

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.
3a. Address		9. API Well No. 30-025-55689
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)		
1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 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).		4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 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)



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: SENW / 1726 FNL / 2445 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.706539 / LONG: -103.789121 (TVD: 0 feet, MD: 0 feet)
PPP: NWNE / 330 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.710373 / LONG: -103.788145 (TVD: 8435 feet, MD: 8832 feet)
PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103545 / LONG: -103.7798872 (TVD: 8450 feet, MD: 11366 feet)
PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7103214 / LONG: -103.7627423 (TVD: 8450 feet, MD: 16639 feet)
PPP: NWNE / 330 FNL / 2637 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103383 / LONG: -103.7713143 (TVD: 8450 feet, MD: 14003 feet)
BHL: NENE / 330 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.710286 / LONG: -103.745598 (TVD: 8450 feet, MD: 21913 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: 02/24/2025

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: 10400103826

Submission Date: 03/17/2025

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 101H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400103826

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: 101H

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:** 101H**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 NORTH**Number:** 1**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:** 1726 FT**Reservoir well spacing assigned acres Measurement:** 800 Acres**Well plat:** 24_041778_BOND_FED_COM_101H_C102_20250403071335.pdf

24_041778_BOND_FED_COM_101H_C102_Add_Pool_20250403071340.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	1726	FNL	2445	FWL	18S	32E	32	Aliquot SENW	32.706539	-103.789121	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	3694			Y
KOP Leg #1	1726	FNL	2445	FWL	18S	32E	32	Aliquot SENW	32.706539	-103.789121	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	-3553	7275	7247	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 101H

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	330	FNL	2540	FEL	18S	32E	32	Aliquot NWNE	32.710373	- 103.788145	LEA	NEW MEXICO	NEW MEXICO	S	STATE	- 4741	8832	8435	Y
PPP Leg #1-2	330	FNL	0	FWL	18S	32E	33	Aliquot NWNW	32.7103545	- 103.7798872	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18232	- 4756	11366	8450	Y
PPP Leg #1-3	330	FNL	2637	FEL	18S	32E	33	Aliquot NWNE	32.7103383	- 103.7713143	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 0556094	- 4756	14003	8450	Y
PPP Leg #1-4	330	FNL	0	FWL	18S	32E	34	Aliquot NWNW	32.7103214	- 103.7627423	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4756	16639	8450	Y
EXIT Leg #1	330	FNL	100	FEL	18S	32E	34	Aliquot NENE	32.710287	- 103.74589	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4756	21823	8450	Y
BHL Leg #1	330	FNL	10	FEL	18S	32E	34	Aliquot NENE	32.710286	- 103.745598	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4756	21913	8450	Y

PLEASE REFER TO AMENDED FORM C-102 and PLAT INCLUDED WITHIN 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 101H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,693.92'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,445' FWL	Latitude 32.706539°	Longitude -103.789121°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

Bottom Hole Location

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 10' FEL	Latitude 32.710286°	Longitude -103.745598°	County LEA
----------------	----------------------	------------------------	---------------------	-----	---------------------------------	--------------------------------	-------------------------------	----------------------------------	----------------------

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 F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,445' FWL	Latitude 32.706539°	Longitude -103.789121°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

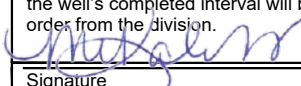
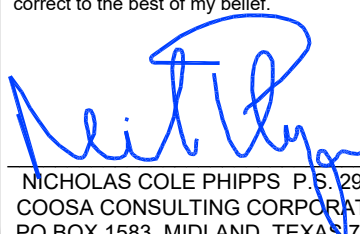
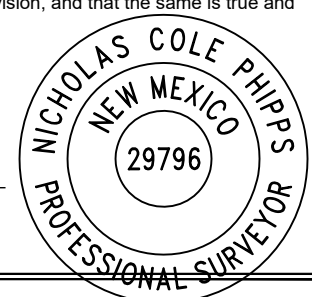
First Take Point (FTP)

UL B	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 2,540' FEL	Latitude 32.710373°	Longitude -103.788145°	County LEA
----------------	----------------------	------------------------	---------------------	-----	---------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

Last Take Point (LTP)

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 100' FEL	Latitude 32.710287°	Longitude -103.745890°	County LEA
----------------	----------------------	------------------------	---------------------	-----	---------------------------------	---------------------------------	-------------------------------	----------------------------------	----------------------

Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,693.92
---	--	--

OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  02/01/2025 Signature Date Mikah Thomas Printed Name mikah@pbex.com Email Address		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  NICHOLAS COLE PHIPPS P.S. 29796 COOSA CONSULTING CORPORATION PO BOX 1583, MIDLAND, TEXAS 79701 Signature and Seal of Professional Surveyor  Certificate Number 29796 Date of Survey 11/14/2024	
--	--	---	--

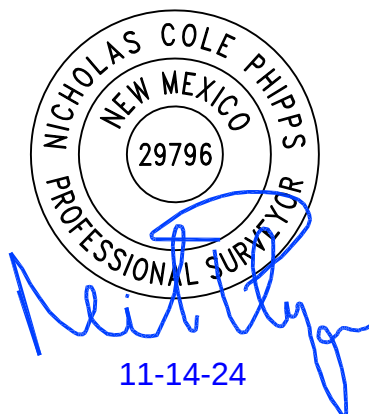
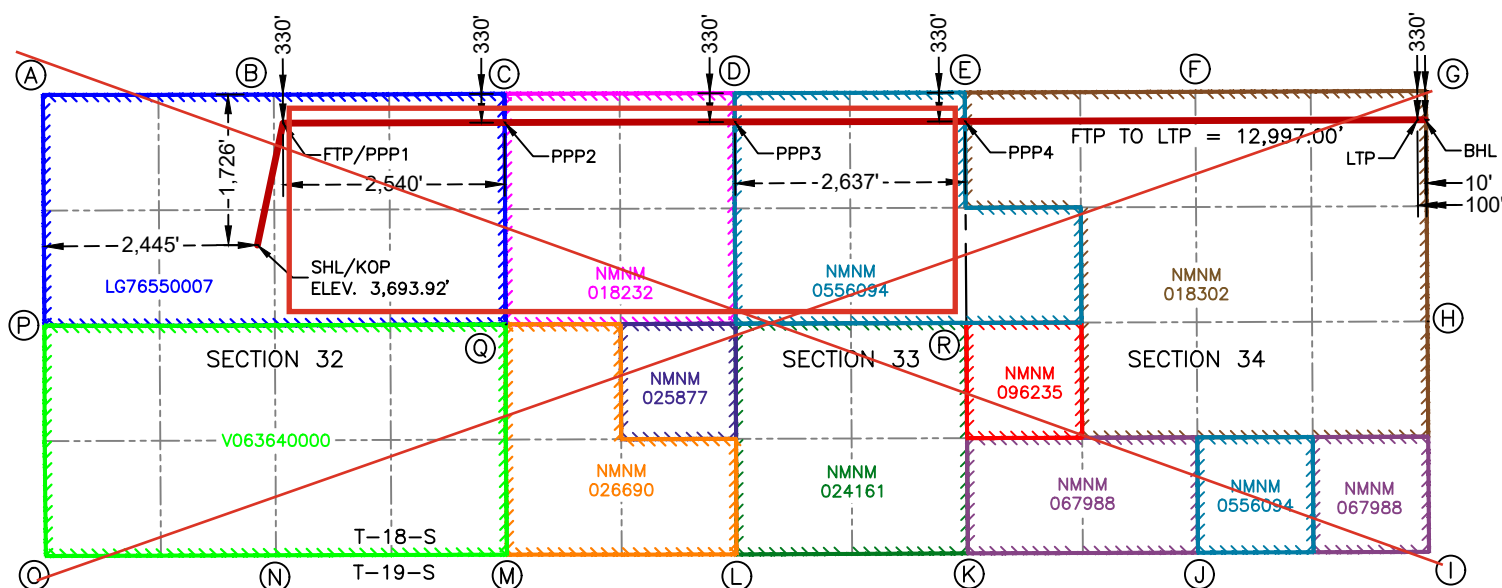
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

PLEASE REFER TO AMENDED FORM C-102 and PLAT INCLUDED WITHIN THIS DOCUMENT



**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,445' FWL
ELEV. = 3,693.92'

NAD 83 X = 708,731.47'
NAD 83 Y = 621,199.63'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789121°

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

NAD 83 X = 709,024.46'
NAD 83 Y = 622,596.23'
NAD 83 LAT = 32.710373°
NAD 83 LONG = -103.788145°

PENETRATION POINT 2
330' FNL & 0' FWL

NAD 83 X = 711,564.45'
NAD 83 Y = 622,603.12'
NAD 83 LAT = 32.710356°
NAD 83 LONG = -103.779887°

PENETRATION POINT 3
330' FNL & 2,637' FEL

NAD 83 X = 714,201.33'
NAD 83 Y = 622,609.93'
NAD 83 LAT = 32.710336°
NAD 83 LONG = -103.771314°

PENETRATION POINT 4
330' FNL & 0' FWL

NAD 83 X = 716,837.95'
NAD 83 Y = 622,616.75'
NAD 83 LAT = 32.710316°
NAD 83 LONG = -103.762742°

LAST TAKE POINT
330' FNL & 100' FEL

NAD 83 X = 722,021.40'
NAD 83 Y = 622,634.22'
NAD 83 LAT = 32.710287°
NAD 83 LONG = -103.745890°

BOTTOM HOLE LOCATION
330' FNL & 10' FEL

NAD 83 X = 722,111.40'
NAD 83 Y = 622,634.53'
NAD 83 LAT = 32.710286°
NAD 83 LONG = -103.745598°

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

PLEASE REFER TO AMENDED FORM C-102 and PLAT INCLUDED WITHIN 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 50600	Pool Name QUERECHO PLAINS; UPPER BS
Property Code	Property Name BOND 32-34 FED COM	Well Number 101H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,693.92'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
F	32	18S	32E		1,726' FNL	2,445' FWL	32.706539°	-103.789121°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	34	18S	32E		330' FNL	10' FEL	32.710286°	-103.745598°	LEA

Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
F	32	18S	32E		1,726' FNL	2,445' FWL	32.706539°	-103.789121°	LEA

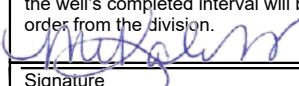
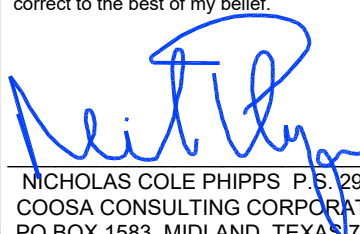
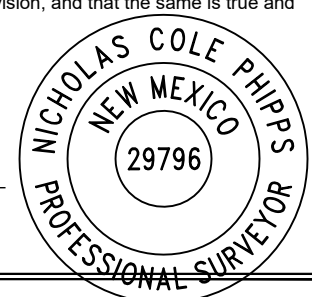
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	32	18S	32E		330' FNL	2,540' FEL	32.710373°	-103.788145°	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	34	18S	32E		330' FNL	100' FEL	32.710287°	-103.745890°	LEA

Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,693.92
---	--	--

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.  Signature Mikah Thomas Printed Name mikah@pbex.com Email Address		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  NICHOLAS COLE PHIPPS P.S. 29796 COOSA CONSULTING CORPORATION PO BOX 1583, MIDLAND, TEXAS 79701 Signature and Seal of Professional Surveyor  Certificate Number 29796 Date of Survey 11/14/2024	
--	--	--	--

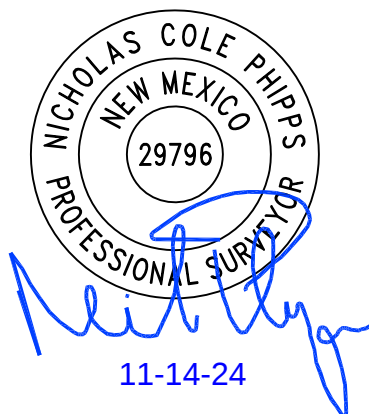
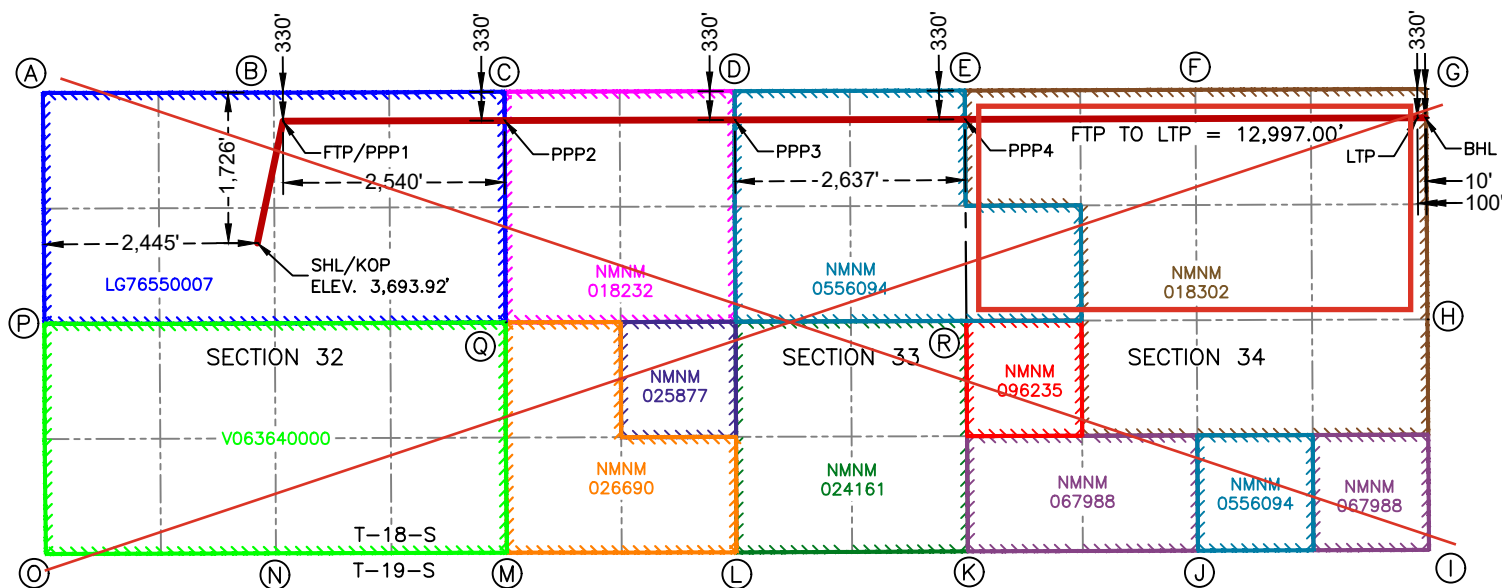
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

PLEASE REFER TO AMENDED FORM C-102 and PLAT INCLUDED WITHIN THIS DOCUMENT



SURFACE HOLE LOCATION
& KICK-OFF POINT
1,726' FNL & 2,445' FWL
ELEV. = 3,693.92'

NAD 83 X = 708,731.47'
NAD 83 Y = 621,199.63'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789121°

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

NAD 83 X = 709,024.46'
NAD 83 Y = 622,596.23'
NAD 83 LAT = 32.710373°
NAD 83 LONG = -103.788145°

PENETRATION POINT 2
330' FNL & 0' FWL

NAD 83 X = 711,564.45'
NAD 83 Y = 622,603.12'
NAD 83 LAT = 32.710356°
NAD 83 LONG = -103.779887°

PENETRATION POINT 3
330' FNL & 2,637' FEL

NAD 83 X = 714,201.33'
NAD 83 Y = 622,609.93'
NAD 83 LAT = 32.710336°
NAD 83 LONG = -103.771314°

PENETRATION POINT 4
330' FNL & 0' FWL
NAD 83 X = 716,837.95'
NAD 83 Y = 622,616.75'
NAD 83 LAT = 32.710316°
NAD 83 LONG = -103.762742°

LAST TAKE POINT
330' FNL & 100' FEL
NAD 83 X = 722,021.40'
NAD 83 Y = 622,634.22'
NAD 83 LAT = 32.710287°
NAD 83 LONG = -103.745890°

BOTTOM HOLE LOCATION
330' FNL & 10' FEL
NAD 83 X = 722,111.40'
NAD 83 Y = 622,634.53'
NAD 83 LAT = 32.710286°
NAD 83 LONG = -103.745598°

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



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

Drilling Plan Data Report

11/30/2025

APD ID: 10400103826

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: 101H

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
16446805	QUATERNARY	3694	0	0	ALLUVIUM	NONE	N
16446807	RUSTLER	2544	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16446808	TOP OF SALT	2264	1430	1430	ANHYDRITE, SALT	NONE	N
16446809	BASE OF SALT	1519	2175	2185	ANHYDRITE, SALT	NONE	N
16446824	YATES	822	2872	2872	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446825	SEVEN RIVERS	499	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446826	QUEEN	-81	3775	3805	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446828	SAN ANDRES	-571	4265	4295	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446813	CHERRY CANYON	-921	4615	4655	LIMESTONE, SANDSTONE, SHALE	NONE	N
16446814	BRUSHY CANYON	-1351	5045	5085	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446815	BONE SPRING LIME	-3275	6969	6999	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446816	AVALON SAND	-3496	7190	7230	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446829	BONE SPRING 1ST	-4626	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16446830	BONE SPRING 2ND	-4931	8625	8685	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446831	BONE SPRING 2ND	-5196	8890	8950	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446832	BONE SPRING 3RD	-5736	9430	9500	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446833	BONE SPRING 3RD	-6141	9835	9915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 101H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16446834	WOLFCAMP	-6491	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	3694	2384	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	-276	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	-160	-811	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:** 101H

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	21913	0	8450	3643	-4756	21913	P- 110	17	OTHER - CDC HTQ	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6

Casing Attachments**Casing ID:** 1 **String** SURFACE**Inspection Document:****Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

13.375_54.5000_0.3800_J55_data_sheet_20250224164513.pdf

Casing_Design_Assmpt_3_string_casing_20250224164520.pdf

Casing ID: 2 **String** INTERMEDIATE**Inspection Document:****Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

Casing_Design_Assmpt_3_string_casing_20250224164627.pdf

Data_Sheet_9.625_Inch_40.00_J55_BTC_SEAH_20250227104733.pdf

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 101H

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_20250224164700.pdf

Casing_Design_Assmpt_3_string_casing_20250224164707.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: 101H

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	21913	2621	1.68	13	4402.6	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	21913	OIL-BASED MUD	9.7	9.7							

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 101H

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:** 3633**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_101H_Plan_1_20250224165347.pdf

Bond_32_34_Fed_Com_101H_Plan_1_AC_20250224165356.pdf

Bond_32_34_Fed_Com_101H_Plan_1_Plot_20250224165402.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

PBEX_NM_Curve_volumes_1BSS_20250224165438.pdf

Bond_32_34_FED_COM__101H_Drill_Plan_v5_20250227105330.pdf

Other Variance request(s)?: N

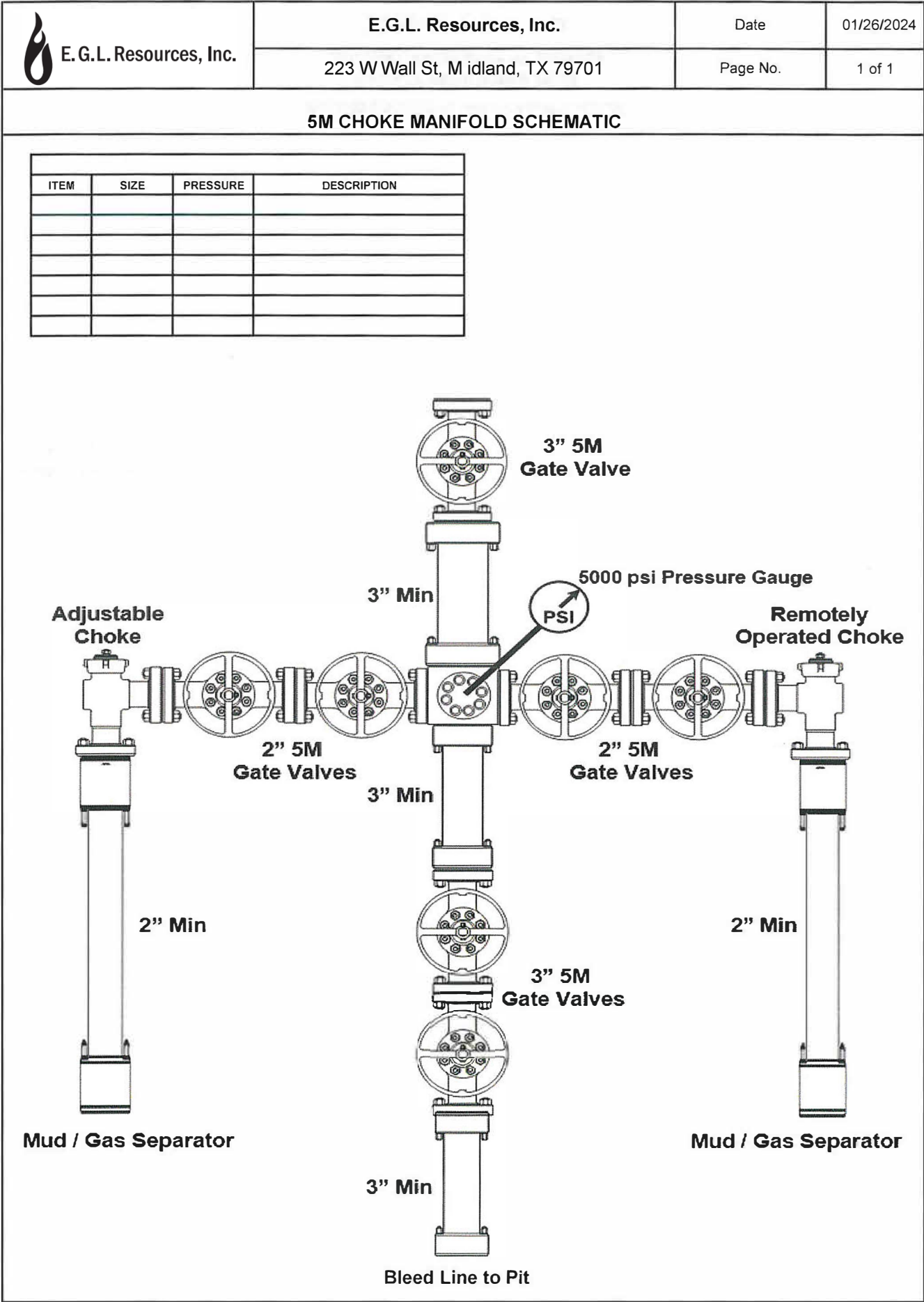
Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 101H

Other Variance attachment:

CONFIDENTIAL





E. G. L. Resources, Inc.

E.G.L. Resources, Inc.

Date

1/26/2024

223 W Wall St, Midland, TX 79701

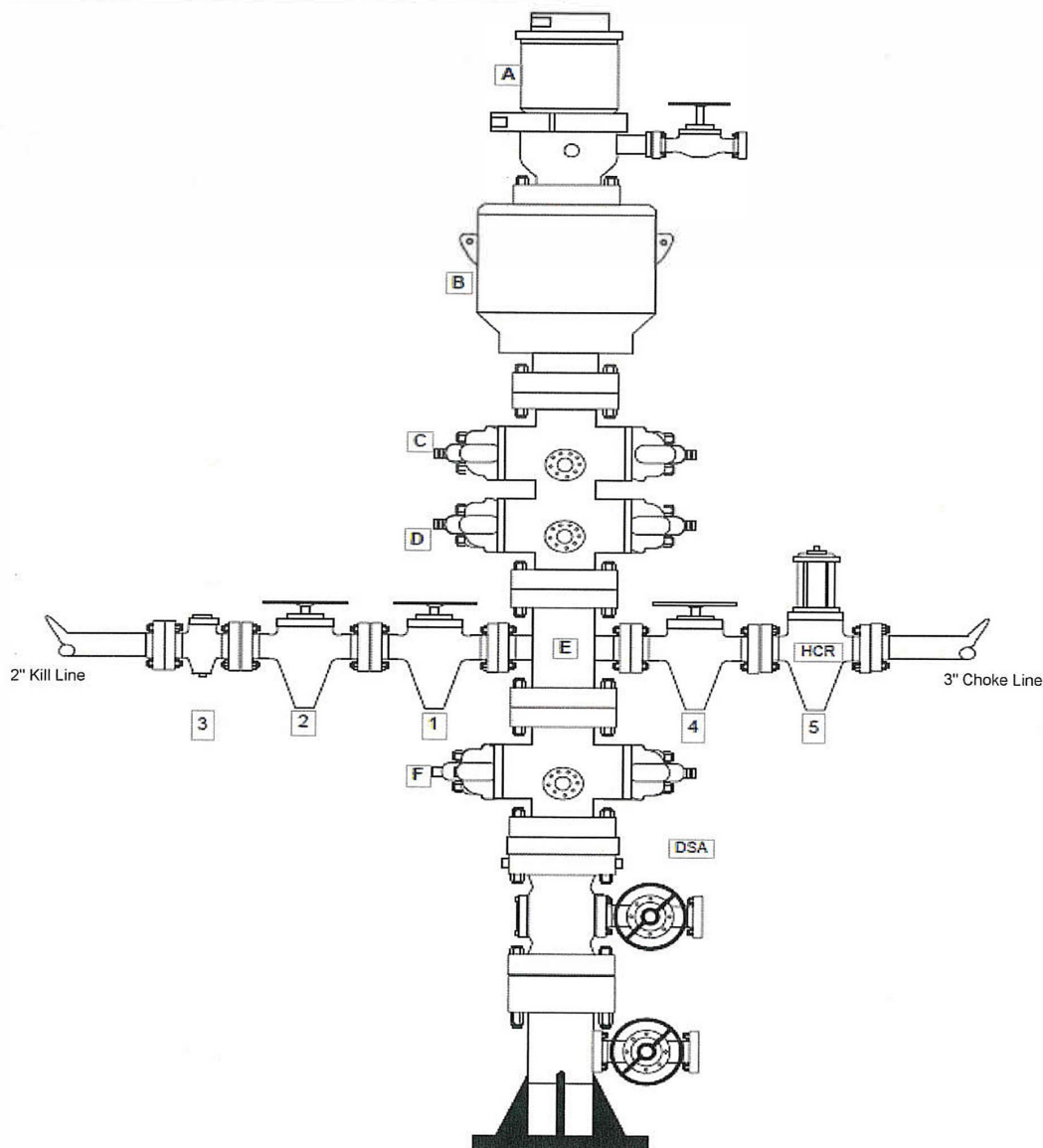
Page No.

1 of 1

5M BLOWOUT PREVENTER SCHEMATIC

BLOWOUT PREVENTER 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



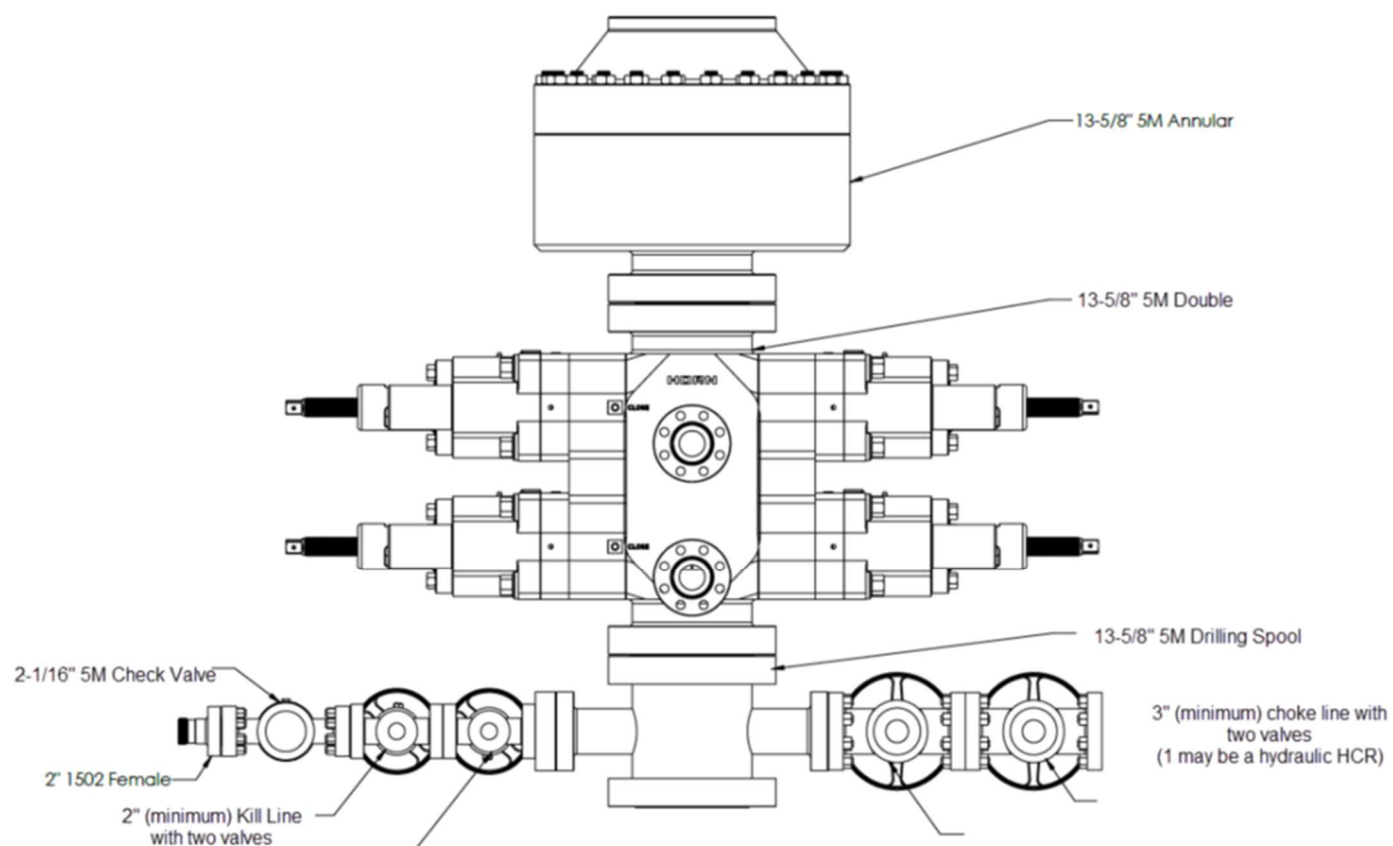
KILL LINE

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

Legal Notice

All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
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.

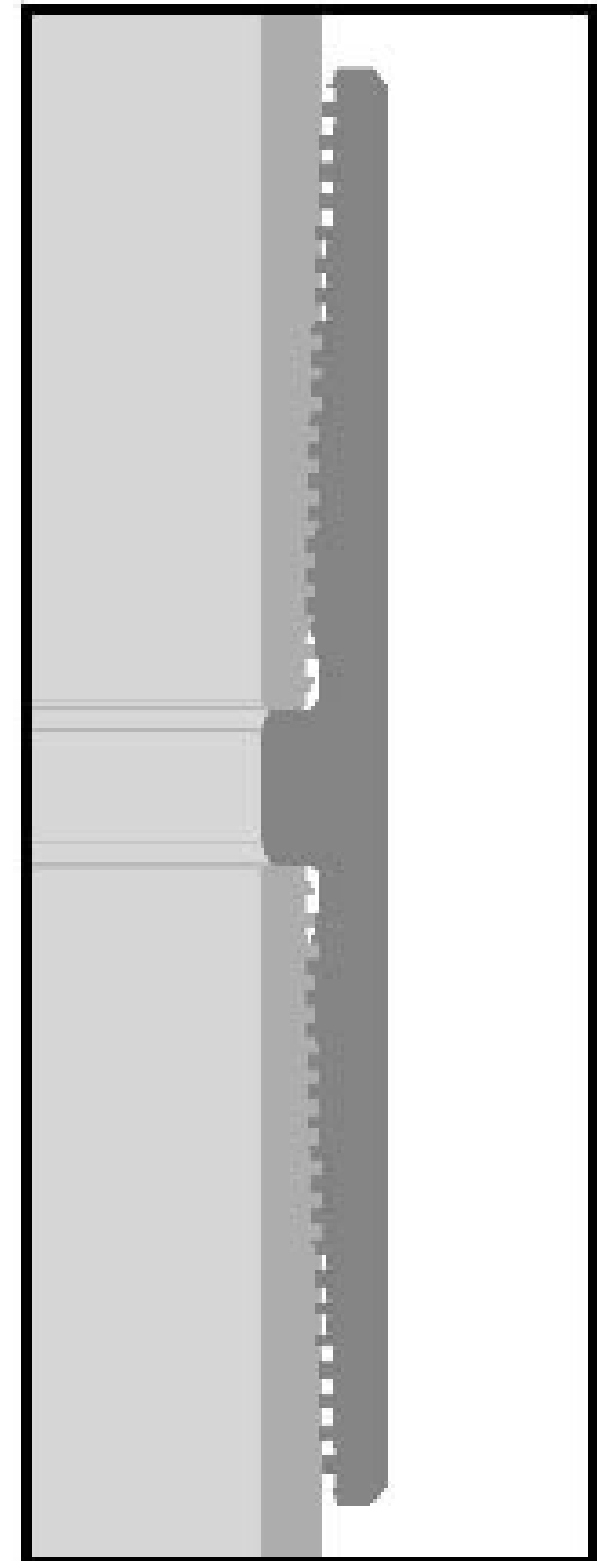
Technical Specifications

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)



VAM USA
4424 W. Sam Houston Pkwy. Suite 150
Houston, TX 77041
Phone: 713-479-3200
Fax: 713-479-3234
E-mail: VAMUSAsales@vam-usa.com



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.

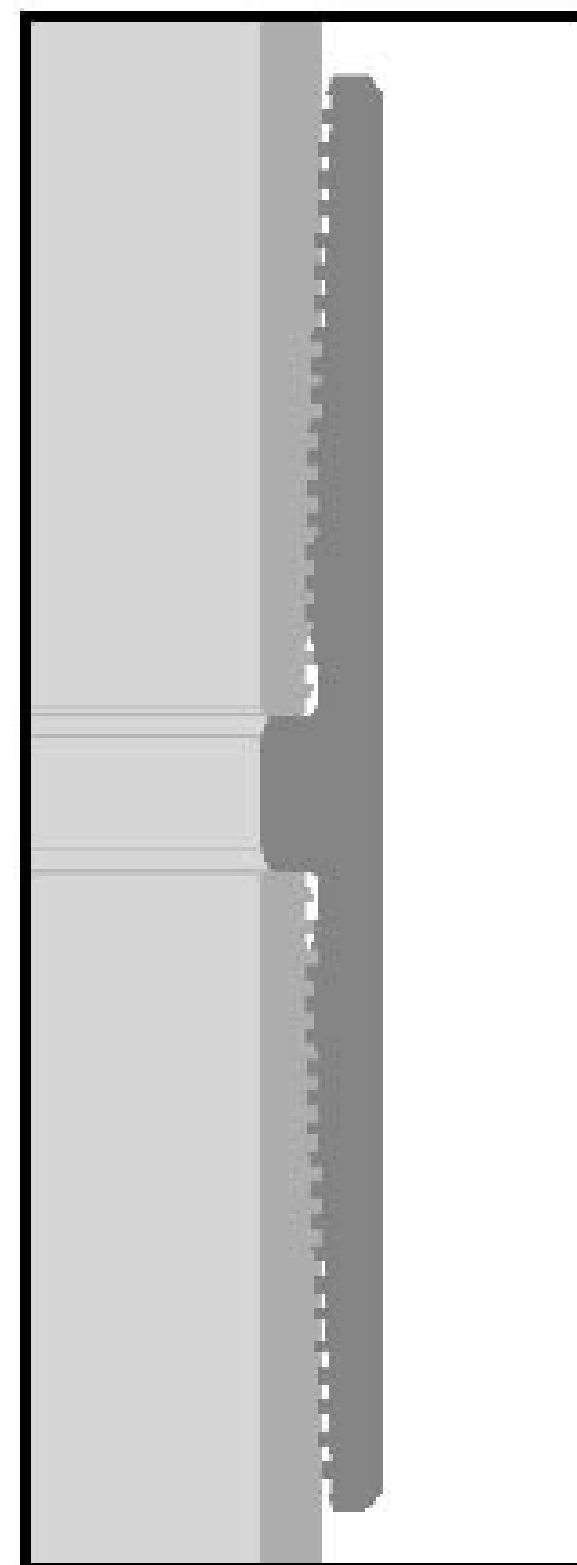
All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

2/6/2015



DWC Connection Data Notes:

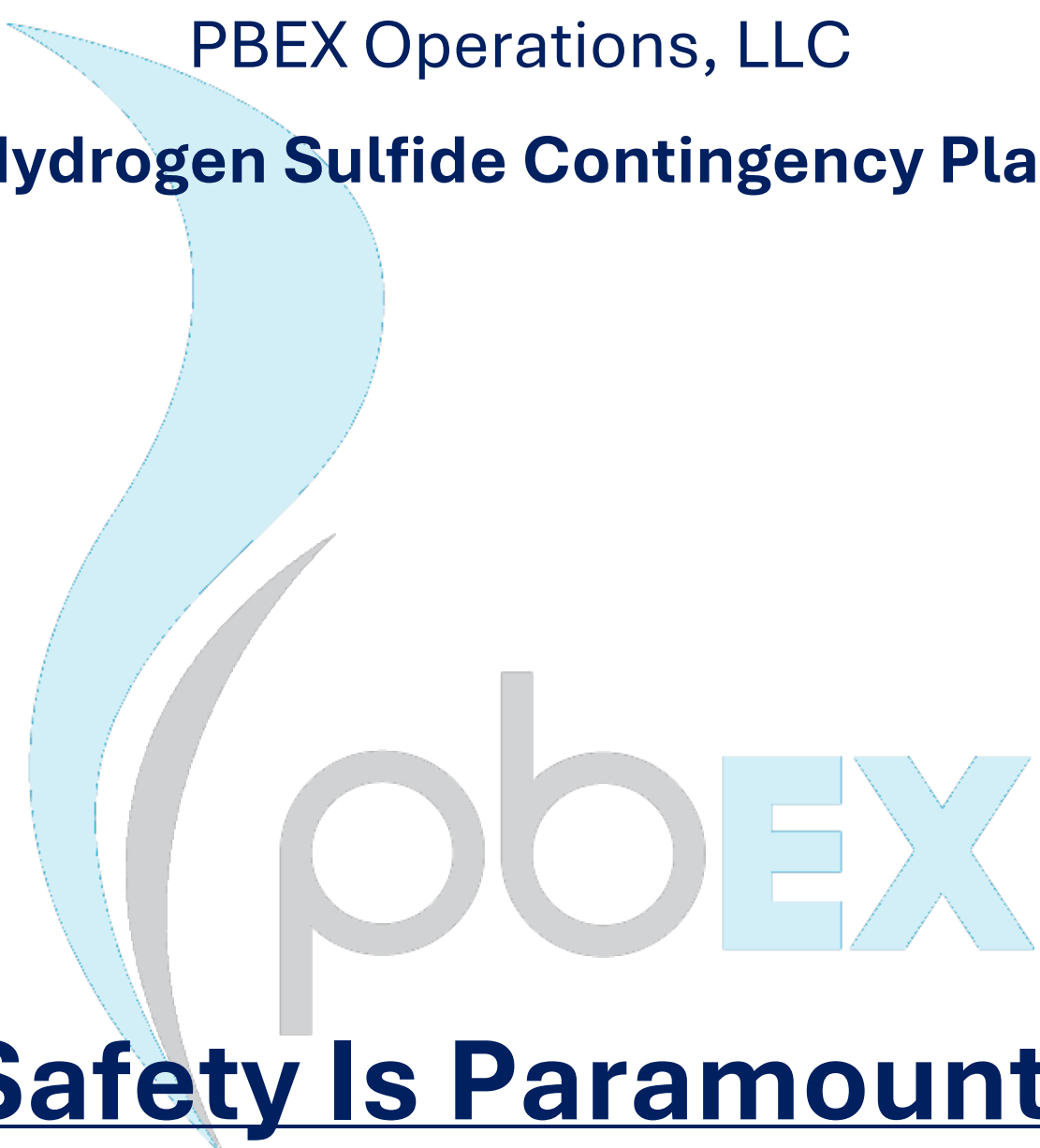
1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection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

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

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.

Table of Contents

1. INTRODUCTION 3

2. PURPOSE 3

 A. Operating Procedures 3

 B. Procedures Initiated Prior To Reaching H2S 4

 H2S Contingency Plan Compliance

 C. Drilling Below Contingency Plan Depth5

 D. Procedures Program 5

 E. General 6

3. EMERGENCY PHONE NUMBERS6

4. CONDITIONS & H2S EMERGENCY PROCEDURES7

 A. Definition of Operational “Conditions” 7

 B. H2S Emergency Procedures; In Scope Personnel 9

5. SAFETY EQUIPMENT 13

6. TOXICITY OF VARIOUS GASES 14

7. PROPERTIES OF GASES 15

8. EVACUATION OF GENERAL PUBLIC 35



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	
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	
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	
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

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

6. TOXICITY OF VARIOUS GASES

Common Name ppm 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

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

2. HYDROGEN SULFIDE

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



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

3. SULPHUR DIOXIDE

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

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 most current directional plan attached to this document as an NOI



PBEX

Lea, County NM (NAD 83)
Sec 33-18S-32E
Bond 32-34 Fed Com 101H

Wellbore #1

Plan: Plan 1

Standard Planning Report

23 January, 2025





Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 101H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 101H	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 101H					
Well Position	+N/-S	0.00 usft	Northing:	621,199.63 usft	Latitude:	32.70653851
	+E/-W	0.00 usft	Easting:	708,731.47 usft	Longitude:	-103.78912088
Position Uncertainty		0.00 usft	Wellhead Elevation:	30.00 usft	Ground Level:	3,694.00 usft
Grid Convergence:		0.29 °				

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	1/21/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	21,912.71	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 101H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 101H	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	
2,378.64	17.57	354.05	2,364.93	132.97	-13.85	2.00	2.00	0.00	354.05	
5,808.86	17.57	354.05	5,635.07	1,163.03	-121.15	0.00	0.00	0.00	0.00	
6,687.49	0.00	0.00	6,500.00	1,296.00	-135.00	2.00	-2.00	0.00	180.00	
8,064.53	0.00	0.00	7,877.04	1,296.00	-135.00	0.00	0.00	0.00	0.00	
8,964.53	90.00	82.40	8,450.00	1,371.78	432.92	10.00	10.00	0.00	82.40	
9,335.89	90.00	89.83	8,450.00	1,396.93	803.17	2.00	0.00	2.00	90.00	
21,822.71	90.00	89.83	8,450.00	1,434.59	13,289.93	0.00	0.00	0.00	0.00	
21,912.71	90.00	89.83	8,450.00	1,434.86	13,379.93	0.00	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 101H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 101H	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	354.05	1,599.98	1.74	-0.18	-0.18	2.00	2.00	0.00
1,700.00	4.00	354.05	1,699.84	6.94	-0.72	-0.72	2.00	2.00	0.00
1,800.00	6.00	354.05	1,799.45	15.61	-1.63	-1.63	2.00	2.00	0.00
1,900.00	8.00	354.05	1,898.70	27.73	-2.89	-2.89	2.00	2.00	0.00
2,000.00	10.00	354.05	1,997.47	43.29	-4.51	-4.51	2.00	2.00	0.00
2,100.00	12.00	354.05	2,095.62	62.27	-6.49	-6.49	2.00	2.00	0.00
2,200.00	14.00	354.05	2,193.06	84.64	-8.82	-8.82	2.00	2.00	0.00
2,300.00	16.00	354.05	2,289.64	110.38	-11.50	-11.50	2.00	2.00	0.00
2,378.64	17.57	354.05	2,364.93	132.97	-13.85	-13.85	2.00	2.00	0.00
Start 3430.22 hold at 2378.64 MD									
2,400.00	17.57	354.05	2,385.29	139.38	-14.52	-14.52	0.00	0.00	0.00
2,500.00	17.57	354.05	2,480.63	169.41	-17.65	-17.65	0.00	0.00	0.00
2,600.00	17.57	354.05	2,575.96	199.44	-20.78	-20.78	0.00	0.00	0.00
2,700.00	17.57	354.05	2,671.29	229.47	-23.90	-23.90	0.00	0.00	0.00
2,800.00	17.57	354.05	2,766.63	259.50	-27.03	-27.03	0.00	0.00	0.00
2,900.00	17.57	354.05	2,861.96	289.53	-30.16	-30.16	0.00	0.00	0.00
3,000.00	17.57	354.05	2,957.29	319.56	-33.29	-33.29	0.00	0.00	0.00
3,100.00	17.57	354.05	3,052.63	349.59	-36.42	-36.42	0.00	0.00	0.00
3,200.00	17.57	354.05	3,147.96	379.62	-39.54	-39.54	0.00	0.00	0.00
3,300.00	17.57	354.05	3,243.29	409.64	-42.67	-42.67	0.00	0.00	0.00
3,400.00	17.57	354.05	3,338.63	439.67	-45.80	-45.80	0.00	0.00	0.00
3,500.00	17.57	354.05	3,433.96	469.70	-48.93	-48.93	0.00	0.00	0.00
3,600.00	17.57	354.05	3,529.29	499.73	-52.06	-52.06	0.00	0.00	0.00
3,700.00	17.57	354.05	3,624.63	529.76	-55.18	-55.18	0.00	0.00	0.00
3,800.00	17.57	354.05	3,719.96	559.79	-58.31	-58.31	0.00	0.00	0.00
3,900.00	17.57	354.05	3,815.29	589.82	-61.44	-61.44	0.00	0.00	0.00
4,000.00	17.57	354.05	3,910.63	619.85	-64.57	-64.57	0.00	0.00	0.00
4,100.00	17.57	354.05	4,005.96	649.88	-67.70	-67.70	0.00	0.00	0.00
4,200.00	17.57	354.05	4,101.29	679.91	-70.82	-70.82	0.00	0.00	0.00
4,300.00	17.57	354.05	4,196.63	709.94	-73.95	-73.95	0.00	0.00	0.00
4,400.00	17.57	354.05	4,291.96	739.97	-77.08	-77.08	0.00	0.00	0.00
4,500.00	17.57	354.05	4,387.30	769.99	-80.21	-80.21	0.00	0.00	0.00
4,600.00	17.57	354.05	4,482.63	800.02	-83.34	-83.34	0.00	0.00	0.00
4,700.00	17.57	354.05	4,577.96	830.05	-86.46	-86.46	0.00	0.00	0.00
4,800.00	17.57	354.05	4,673.30	860.08	-89.59	-89.59	0.00	0.00	0.00
4,900.00	17.57	354.05	4,768.63	890.11	-92.72	-92.72	0.00	0.00	0.00
5,000.00	17.57	354.05	4,863.96	920.14	-95.85	-95.85	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 101H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 101H	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	17.57	354.05	4,959.30	950.17	-98.98	-98.98	0.00	0.00	0.00
5,200.00	17.57	354.05	5,054.63	980.20	-102.10	-102.10	0.00	0.00	0.00
5,300.00	17.57	354.05	5,149.96	1,010.23	-105.23	-105.23	0.00	0.00	0.00
5,400.00	17.57	354.05	5,245.30	1,040.26	-108.36	-108.36	0.00	0.00	0.00
5,500.00	17.57	354.05	5,340.63	1,070.29	-111.49	-111.49	0.00	0.00	0.00
5,600.00	17.57	354.05	5,435.96	1,100.31	-114.62	-114.62	0.00	0.00	0.00
5,700.00	17.57	354.05	5,531.30	1,130.34	-117.74	-117.74	0.00	0.00	0.00
5,808.86	17.57	354.05	5,635.07	1,163.03	-121.15	-121.15	0.00	0.00	0.00
Start Drop -2.00									
5,900.00	15.75	354.05	5,722.39	1,189.02	-123.86	-123.86	2.00	-2.00	0.00
6,000.00	13.75	354.05	5,819.09	1,214.34	-126.49	-126.49	2.00	-2.00	0.00
6,100.00	11.75	354.05	5,916.62	1,236.29	-128.78	-128.78	2.00	-2.00	0.00
6,200.00	9.75	354.05	6,014.86	1,254.84	-130.71	-130.71	2.00	-2.00	0.00
6,300.00	7.75	354.05	6,113.69	1,269.97	-132.29	-132.29	2.00	-2.00	0.00
6,400.00	5.75	354.05	6,212.99	1,281.66	-133.51	-133.51	2.00	-2.00	0.00
6,500.00	3.75	354.05	6,312.64	1,289.90	-134.36	-134.36	2.00	-2.00	0.00
6,600.00	1.75	354.05	6,412.52	1,294.67	-134.86	-134.86	2.00	-2.00	0.00
6,687.49	0.00	0.00	6,500.00	1,296.00	-135.00	-135.00	2.00	-2.00	0.00
Start 1377.04 hold at 6687.49 MD									
6,700.00	0.00	0.00	6,512.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,612.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,712.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,000.00	0.00	0.00	6,812.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,100.00	0.00	0.00	6,912.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,012.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,112.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,212.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,312.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,412.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,512.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,612.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,712.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
8,000.00	0.00	0.00	7,812.51	1,296.00	-135.00	-135.00	0.00	0.00	0.00
8,064.53	0.00	0.00	7,877.04	1,296.00	-135.00	-135.00	0.00	0.00	0.00
Start Build 10.00									
8,100.00	3.55	82.40	7,912.48	1,296.15	-133.91	-133.91	10.00	10.00	0.00
8,150.00	8.55	82.40	7,962.19	1,296.84	-128.69	-128.69	10.00	10.00	0.00
8,200.00	13.55	82.40	8,011.25	1,298.11	-119.20	-119.20	10.00	10.00	0.00
8,250.00	18.55	82.40	8,059.28	1,299.94	-105.50	-105.50	10.00	10.00	0.00
8,300.00	23.55	82.40	8,105.93	1,302.31	-87.71	-87.71	10.00	10.00	0.00
8,350.00	28.55	82.40	8,150.84	1,305.21	-65.96	-65.96	10.00	10.00	0.00
8,400.00	33.55	82.40	8,193.67	1,308.62	-40.40	-40.40	10.00	10.00	0.00
8,450.00	38.55	82.40	8,234.08	1,312.51	-11.25	-11.25	10.00	10.00	0.00
8,500.00	43.55	82.40	8,271.78	1,316.85	21.29	21.29	10.00	10.00	0.00
8,550.00	48.55	82.40	8,306.47	1,321.61	56.95	56.95	10.00	10.00	0.00
8,600.00	53.55	82.40	8,337.89	1,326.75	95.48	95.48	10.00	10.00	0.00
8,650.00	58.55	82.40	8,365.81	1,332.24	136.58	136.58	10.00	10.00	0.00
8,700.00	63.55	82.40	8,390.01	1,338.02	179.93	179.93	10.00	10.00	0.00
8,750.00	68.55	82.40	8,410.30	1,344.06	225.21	225.21	10.00	10.00	0.00
8,800.00	73.55	82.40	8,426.54	1,350.31	272.07	272.07	10.00	10.00	0.00
8,850.00	78.55	82.40	8,438.59	1,356.73	320.15	320.15	10.00	10.00	0.00
8,900.00	83.55	82.40	8,446.37	1,363.26	369.09	369.09	10.00	10.00	0.00
8,950.00	88.55	82.40	8,449.81	1,369.86	418.52	418.52	10.00	10.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 101H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,964.53	90.00	82.40	8,450.00	1,371.78	432.92	432.92	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
9,000.00	90.00	83.11	8,450.00	1,376.25	468.11	468.11	2.00	0.00	2.00
9,100.00	90.00	85.11	8,450.00	1,386.51	567.57	567.57	2.00	0.00	2.00
9,200.00	90.00	87.11	8,450.00	1,393.30	667.34	667.34	2.00	0.00	2.00
9,300.00	90.00	89.11	8,450.00	1,396.60	767.28	767.28	2.00	0.00	2.00
9,335.89	90.00	89.83	8,450.00	1,396.93	803.17	803.17	2.00	0.00	2.00
Start 12486.82 hold at 9335.89 MD									
9,400.00	90.00	89.83	8,450.00	1,397.12	867.28	867.28	0.00	0.00	0.00
9,500.00	90.00	89.83	8,450.00	1,397.42	967.28	967.28	0.00	0.00	0.00
9,600.00	90.00	89.83	8,450.00	1,397.73	1,067.28	1,067.28	0.00	0.00	0.00
9,700.00	90.00	89.83	8,450.00	1,398.03	1,167.28	1,167.28	0.00	0.00	0.00
9,800.00	90.00	89.83	8,450.00	1,398.33	1,267.28	1,267.28	0.00	0.00	0.00
9,900.00	90.00	89.83	8,450.00	1,398.63	1,367.28	1,367.28	0.00	0.00	0.00
10,000.00	90.00	89.83	8,450.00	1,398.93	1,467.27	1,467.27	0.00	0.00	0.00
10,100.00	90.00	89.83	8,450.00	1,399.23	1,567.27	1,567.27	0.00	0.00	0.00
10,200.00	90.00	89.83	8,450.00	1,399.54	1,667.27	1,667.27	0.00	0.00	0.00
10,300.00	90.00	89.83	8,450.00	1,399.84	1,767.27	1,767.27	0.00	0.00	0.00
10,400.00	90.00	89.83	8,450.00	1,400.14	1,867.27	1,867.27	0.00	0.00	0.00
10,500.00	90.00	89.83	8,450.00	1,400.44	1,967.27	1,967.27	0.00	0.00	0.00
10,600.00	90.00	89.83	8,450.00	1,400.74	2,067.27	2,067.27	0.00	0.00	0.00
10,700.00	90.00	89.83	8,450.00	1,401.04	2,167.27	2,167.27	0.00	0.00	0.00
10,800.00	90.00	89.83	8,450.00	1,401.35	2,267.27	2,267.27	0.00	0.00	0.00
10,900.00	90.00	89.83	8,450.00	1,401.65	2,367.27	2,367.27	0.00	0.00	0.00
11,000.00	90.00	89.83	8,450.00	1,401.95	2,467.27	2,467.27	0.00	0.00	0.00
11,100.00	90.00	89.83	8,450.00	1,402.25	2,567.27	2,567.27	0.00	0.00	0.00
11,200.00	90.00	89.83	8,450.00	1,402.55	2,667.27	2,667.27	0.00	0.00	0.00
11,300.00	90.00	89.83	8,450.00	1,402.85	2,767.27	2,767.27	0.00	0.00	0.00
11,400.00	90.00	89.83	8,450.00	1,403.16	2,867.27	2,867.27	0.00	0.00	0.00
11,500.00	90.00	89.83	8,450.00	1,403.46	2,967.27	2,967.27	0.00	0.00	0.00
11,600.00	90.00	89.83	8,450.00	1,403.76	3,067.27	3,067.27	0.00	0.00	0.00
11,700.00	90.00	89.83	8,450.00	1,404.06	3,167.27	3,167.27	0.00	0.00	0.00
11,800.00	90.00	89.83	8,450.00	1,404.36	3,267.27	3,267.27	0.00	0.00	0.00
11,900.00	90.00	89.83	8,450.00	1,404.66	3,367.27	3,367.27	0.00	0.00	0.00
12,000.00	90.00	89.83	8,450.00	1,404.96	3,467.27	3,467.27	0.00	0.00	0.00
12,100.00	90.00	89.83	8,450.00	1,405.27	3,567.27	3,567.27	0.00	0.00	0.00
12,200.00	90.00	89.83	8,450.00	1,405.57	3,667.26	3,667.26	0.00	0.00	0.00
12,300.00	90.00	89.83	8,450.00	1,405.87	3,767.26	3,767.26	0.00	0.00	0.00
12,400.00	90.00	89.83	8,450.00	1,406.17	3,867.26	3,867.26	0.00	0.00	0.00
12,500.00	90.00	89.83	8,450.00	1,406.47	3,967.26	3,967.26	0.00	0.00	0.00
12,600.00	90.00	89.83	8,450.00	1,406.77	4,067.26	4,067.26	0.00	0.00	0.00
12,700.00	90.00	89.83	8,450.00	1,407.08	4,167.26	4,167.26	0.00	0.00	0.00
12,800.00	90.00	89.83	8,450.00	1,407.38	4,267.26	4,267.26	0.00	0.00	0.00
12,900.00	90.00	89.83	8,450.00	1,407.68	4,367.26	4,367.26	0.00	0.00	0.00
13,000.00	90.00	89.83	8,450.00	1,407.98	4,467.26	4,467.26	0.00	0.00	0.00
13,100.00	90.00	89.83	8,450.00	1,408.28	4,567.26	4,567.26	0.00	0.00	0.00
13,200.00	90.00	89.83	8,450.00	1,408.58	4,667.26	4,667.26	0.00	0.00	0.00
13,300.00	90.00	89.83	8,450.00	1,408.89	4,767.26	4,767.26	0.00	0.00	0.00
13,400.00	90.00	89.83	8,450.00	1,409.19	4,867.26	4,867.26	0.00	0.00	0.00
13,500.00	90.00	89.83	8,450.00	1,409.49	4,967.26	4,967.26	0.00	0.00	0.00
13,600.00	90.00	89.83	8,450.00	1,409.79	5,067.26	5,067.26	0.00	0.00	0.00
13,700.00	90.00	89.83	8,450.00	1,410.09	5,167.26	5,167.26	0.00	0.00	0.00
13,800.00	90.00	89.83	8,450.00	1,410.39	5,267.26	5,267.26	0.00	0.00	0.00
13,900.00	90.00	89.83	8,450.00	1,410.70	5,367.26	5,367.26	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 101H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 101H	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	1,411.00	5,467.26	5,467.26	0.00	0.00	0.00
14,100.00	90.00	89.83	8,450.00	1,411.30	5,567.26	5,567.26	0.00	0.00	0.00
14,200.00	90.00	89.83	8,450.00	1,411.60	5,667.26	5,667.26	0.00	0.00	0.00
14,300.00	90.00	89.83	8,450.00	1,411.90	5,767.26	5,767.26	0.00	0.00	0.00
14,400.00	90.00	89.83	8,450.00	1,412.20	5,867.25	5,867.25	0.00	0.00	0.00
14,500.00	90.00	89.83	8,450.00	1,412.50	5,967.25	5,967.25	0.00	0.00	0.00
14,600.00	90.00	89.83	8,450.00	1,412.81	6,067.25	6,067.25	0.00	0.00	0.00
14,700.00	90.00	89.83	8,450.00	1,413.11	6,167.25	6,167.25	0.00	0.00	0.00
14,800.00	90.00	89.83	8,450.00	1,413.41	6,267.25	6,267.25	0.00	0.00	0.00
14,900.00	90.00	89.83	8,450.00	1,413.71	6,367.25	6,367.25	0.00	0.00	0.00
15,000.00	90.00	89.83	8,450.00	1,414.01	6,467.25	6,467.25	0.00	0.00	0.00
15,100.00	90.00	89.83	8,450.00	1,414.31	6,567.25	6,567.25	0.00	0.00	0.00
15,200.00	90.00	89.83	8,450.00	1,414.62	6,667.25	6,667.25	0.00	0.00	0.00
15,300.00	90.00	89.83	8,450.00	1,414.92	6,767.25	6,767.25	0.00	0.00	0.00
15,400.00	90.00	89.83	8,450.00	1,415.22	6,867.25	6,867.25	0.00	0.00	0.00
15,500.00	90.00	89.83	8,450.00	1,415.52	6,967.25	6,967.25	0.00	0.00	0.00
15,600.00	90.00	89.83	8,450.00	1,415.82	7,067.25	7,067.25	0.00	0.00	0.00
15,700.00	90.00	89.83	8,450.00	1,416.12	7,167.25	7,167.25	0.00	0.00	0.00
15,800.00	90.00	89.83	8,450.00	1,416.43	7,267.25	7,267.25	0.00	0.00	0.00
15,900.00	90.00	89.83	8,450.00	1,416.73	7,367.25	7,367.25	0.00	0.00	0.00
16,000.00	90.00	89.83	8,450.00	1,417.03	7,467.25	7,467.25	0.00	0.00	0.00
16,100.00	90.00	89.83	8,450.00	1,417.33	7,567.25	7,567.25	0.00	0.00	0.00
16,200.00	90.00	89.83	8,450.00	1,417.63	7,667.25	7,667.25	0.00	0.00	0.00
16,300.00	90.00	89.83	8,450.00	1,417.93	7,767.25	7,767.25	0.00	0.00	0.00
16,400.00	90.00	89.83	8,450.00	1,418.24	7,867.25	7,867.25	0.00	0.00	0.00
16,500.00	90.00	89.83	8,450.00	1,418.54	7,967.25	7,967.25	0.00	0.00	0.00
16,600.00	90.00	89.83	8,450.00	1,418.84	8,067.24	8,067.24	0.00	0.00	0.00
16,700.00	90.00	89.83	8,450.00	1,419.14	8,167.24	8,167.24	0.00	0.00	0.00
16,800.00	90.00	89.83	8,450.00	1,419.44	8,267.24	8,267.24	0.00	0.00	0.00
16,900.00	90.00	89.83	8,450.00	1,419.74	8,367.24	8,367.24	0.00	0.00	0.00
17,000.00	90.00	89.83	8,450.00	1,420.04	8,467.24	8,467.24	0.00	0.00	0.00
17,100.00	90.00	89.83	8,450.00	1,420.35	8,567.24	8,567.24	0.00	0.00	0.00
17,200.00	90.00	89.83	8,450.00	1,420.65	8,667.24	8,667.24	0.00	0.00	0.00
17,300.00	90.00	89.83	8,450.00	1,420.95	8,767.24	8,767.24	0.00	0.00	0.00
17,400.00	90.00	89.83	8,450.00	1,421.25	8,867.24	8,867.24	0.00	0.00	0.00
17,500.00	90.00	89.83	8,450.00	1,421.55	8,967.24	8,967.24	0.00	0.00	0.00
17,600.00	90.00	89.83	8,450.00	1,421.85	9,067.24	9,067.24	0.00	0.00	0.00
17,700.00	90.00	89.83	8,450.00	1,422.16	9,167.24	9,167.24	0.00	0.00	0.00
17,800.00	90.00	89.83	8,450.00	1,422.46	9,267.24	9,267.24	0.00	0.00	0.00
17,900.00	90.00	89.83	8,450.00	1,422.76	9,367.24	9,367.24	0.00	0.00	0.00
18,000.00	90.00	89.83	8,450.00	1,423.06	9,467.24	9,467.24	0.00	0.00	0.00
18,100.00	90.00	89.83	8,450.00	1,423.36	9,567.24	9,567.24	0.00	0.00	0.00
18,200.00	90.00	89.83	8,450.00	1,423.66	9,667.24	9,667.24	0.00	0.00	0.00
18,300.00	90.00	89.83	8,450.00	1,423.97	9,767.24	9,767.24	0.00	0.00	0.00
18,400.00	90.00	89.83	8,450.00	1,424.27	9,867.24	9,867.24	0.00	0.00	0.00
18,500.00	90.00	89.83	8,450.00	1,424.57	9,967.24	9,967.24	0.00	0.00	0.00
18,600.00	90.00	89.83	8,450.00	1,424.87	10,067.24	10,067.24	0.00	0.00	0.00
18,700.00	90.00	89.83	8,450.00	1,425.17	10,167.24	10,167.24	0.00	0.00	0.00
18,800.00	90.00	89.83	8,450.00	1,425.47	10,267.23	10,267.23	0.00	0.00	0.00
18,900.00	90.00	89.83	8,450.00	1,425.78	10,367.23	10,367.23	0.00	0.00	0.00
19,000.00	90.00	89.83	8,450.00	1,426.08	10,467.23	10,467.23	0.00	0.00	0.00
19,100.00	90.00	89.83	8,450.00	1,426.38	10,567.23	10,567.23	0.00	0.00	0.00
19,200.00	90.00	89.83	8,450.00	1,426.68	10,667.23	10,667.23	0.00	0.00	0.00
19,300.00	90.00	89.83	8,450.00	1,426.98	10,767.23	10,767.23	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 101H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 101H	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	1,427.28	10,867.23	10,867.23	0.00	0.00	0.00	
19,500.00	90.00	89.83	8,450.00	1,427.58	10,967.23	10,967.23	0.00	0.00	0.00	
19,600.00	90.00	89.83	8,450.00	1,427.89	11,067.23	11,067.23	0.00	0.00	0.00	
19,700.00	90.00	89.83	8,450.00	1,428.19	11,167.23	11,167.23	0.00	0.00	0.00	
19,800.00	90.00	89.83	8,450.00	1,428.49	11,267.23	11,267.23	0.00	0.00	0.00	
19,900.00	90.00	89.83	8,450.00	1,428.79	11,367.23	11,367.23	0.00	0.00	0.00	
20,000.00	90.00	89.83	8,450.00	1,429.09	11,467.23	11,467.23	0.00	0.00	0.00	
20,100.00	90.00	89.83	8,450.00	1,429.39	11,567.23	11,567.23	0.00	0.00	0.00	
20,200.00	90.00	89.83	8,450.00	1,429.70	11,667.23	11,667.23	0.00	0.00	0.00	
20,300.00	90.00	89.83	8,450.00	1,430.00	11,767.23	11,767.23	0.00	0.00	0.00	
20,400.00	90.00	89.83	8,450.00	1,430.30	11,867.23	11,867.23	0.00	0.00	0.00	
20,500.00	90.00	89.83	8,450.00	1,430.60	11,967.23	11,967.23	0.00	0.00	0.00	
20,600.00	90.00	89.83	8,450.00	1,430.90	12,067.23	12,067.23	0.00	0.00	0.00	
20,700.00	90.00	89.83	8,450.00	1,431.20	12,167.23	12,167.23	0.00	0.00	0.00	
20,800.00	90.00	89.83	8,450.00	1,431.51	12,267.23	12,267.23	0.00	0.00	0.00	
20,900.00	90.00	89.83	8,450.00	1,431.81	12,367.23	12,367.23	0.00	0.00	0.00	
21,000.00	90.00	89.83	8,450.00	1,432.11	12,467.22	12,467.22	0.00	0.00	0.00	
21,100.00	90.00	89.83	8,450.00	1,432.41	12,567.22	12,567.22	0.00	0.00	0.00	
21,200.00	90.00	89.83	8,450.00	1,432.71	12,667.22	12,667.22	0.00	0.00	0.00	
21,300.00	90.00	89.83	8,450.00	1,433.01	12,767.22	12,767.22	0.00	0.00	0.00	
21,400.00	90.00	89.83	8,450.00	1,433.32	12,867.22	12,867.22	0.00	0.00	0.00	
21,500.00	90.00	89.83	8,450.00	1,433.62	12,967.22	12,967.22	0.00	0.00	0.00	
21,600.00	90.00	89.83	8,450.00	1,433.92	13,067.22	13,067.22	0.00	0.00	0.00	
21,700.00	90.00	89.83	8,450.00	1,434.22	13,167.22	13,167.22	0.00	0.00	0.00	
21,800.00	90.00	89.83	8,450.00	1,434.52	13,267.22	13,267.22	0.00	0.00	0.00	
21,822.71	90.00	89.83	8,450.00	1,434.59	13,289.93	13,289.93	0.00	0.00	0.00	
Start 90.00 hold at 21822.71 MD										
21,900.00	90.00	89.83	8,450.00	1,434.82	13,367.22	13,367.22	0.00	0.00	0.00	
21,912.71	90.00	89.83	8,450.00	1,434.86	13,379.93	13,379.93	0.00	0.00	0.00	
TD at 21912.71										



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 101H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL - Bond 32-34 101H - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	621,199.63	708,731.47	32.70653851	-103.78912088
KOP - Bond 32-34 101H - plan hits target center - Point	0.00	0.00	7,877.04	1,296.00	-135.00	622,495.63	708,596.47	32.71010256	-103.78953815
PP3 - Bond 32-34 101H - plan misses target center by 0.70usft at 14002.60usft MD (8450.00 TVD, 1411.00 N, 5469.86 E) - Point	0.00	0.00	8,450.00	1,410.30	5,469.86	622,609.93	714,201.33	32.71033638	-103.77131431
BHL - Bond 32-34 101H - plan misses target center by 0.04usft at 21912.71usft MD (8450.00 TVD, 1434.86 N, 13379.93 E) - Point	0.00	0.00	8,450.00	1,434.90	13,379.93	622,634.53	722,111.40	32.71028611	-103.74559760
FTP - Bond 32-34 101H - plan misses target center by 45.91usft at 8831.73usft MD (8434.68 TVD, 1354.37 N, 302.47 E) - Point	0.00	0.00	8,450.00	1,396.60	292.99	622,596.23	709,024.46	32.71037302	-103.78814503
PP2 - Bond 32-34 101H - plan misses target center by 0.44usft at 11365.71usft MD (8450.00 TVD, 1403.05 N, 2832.98 E) - Point	0.00	0.00	8,450.00	1,403.49	2,832.98	622,603.12	711,564.45	32.71035579	-103.77988716
LTP - Bond 32-34 101H - plan hits target center - Point	0.00	0.00	8,450.00	1,434.59	13,289.93	622,634.22	722,021.40	32.71028663	-103.74589020
PP4 - Bond 32-34 101H - plan misses target center by 1.84usft at 16639.23usft MD (8450.00 TVD, 1418.96 N, 8106.47 E) - Point	0.00	0.00	8,450.00	1,417.12	8,106.48	622,616.75	716,837.95	32.71031642	-103.76274231

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
21,928.17		20" Casing	20	24

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.00	1,500.00	0.00	0.00	Start Build 2.00
2,378.64	2,364.93	132.97	-13.85	Start 3430.22 hold at 2378.64 MD
5,808.86	5,635.07	1,163.03	-121.15	Start Drop -2.00
6,687.49	6,500.00	1,296.00	-135.00	Start 1377.04 hold at 6687.49 MD
8,064.53	7,877.04	1,296.00	-135.00	Start Build 10.00
8,964.53	8,450.00	1,371.78	432.92	Start DLS 2.00 TFO 90.00
9,335.89	8,450.00	1,396.93	803.17	Start 12486.82 hold at 9335.89 MD
21,822.71	8,450.00	1,434.59	13,289.93	Start 90.00 hold at 21822.71 MD
21,912.71	8,450.00	1,434.86	13,379.93	TD at 21912.71



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

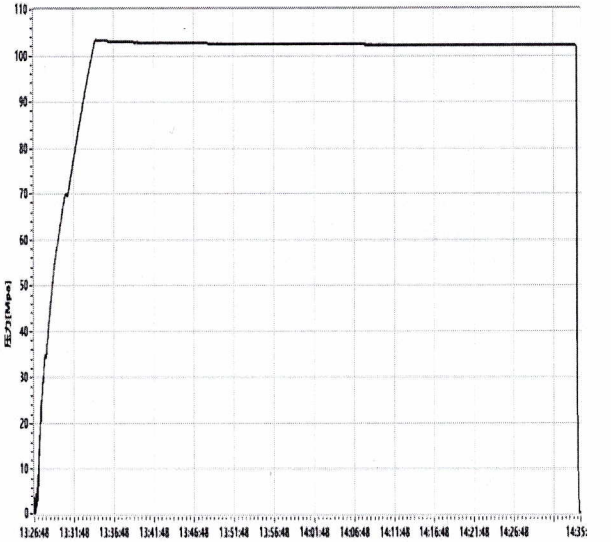
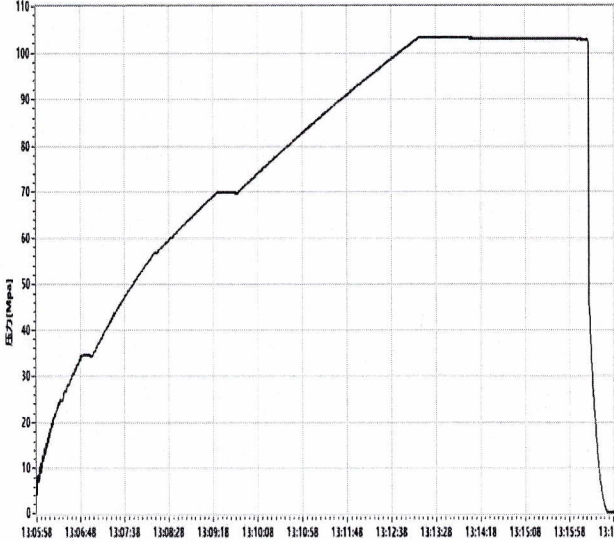


LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

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

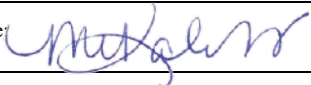
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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.

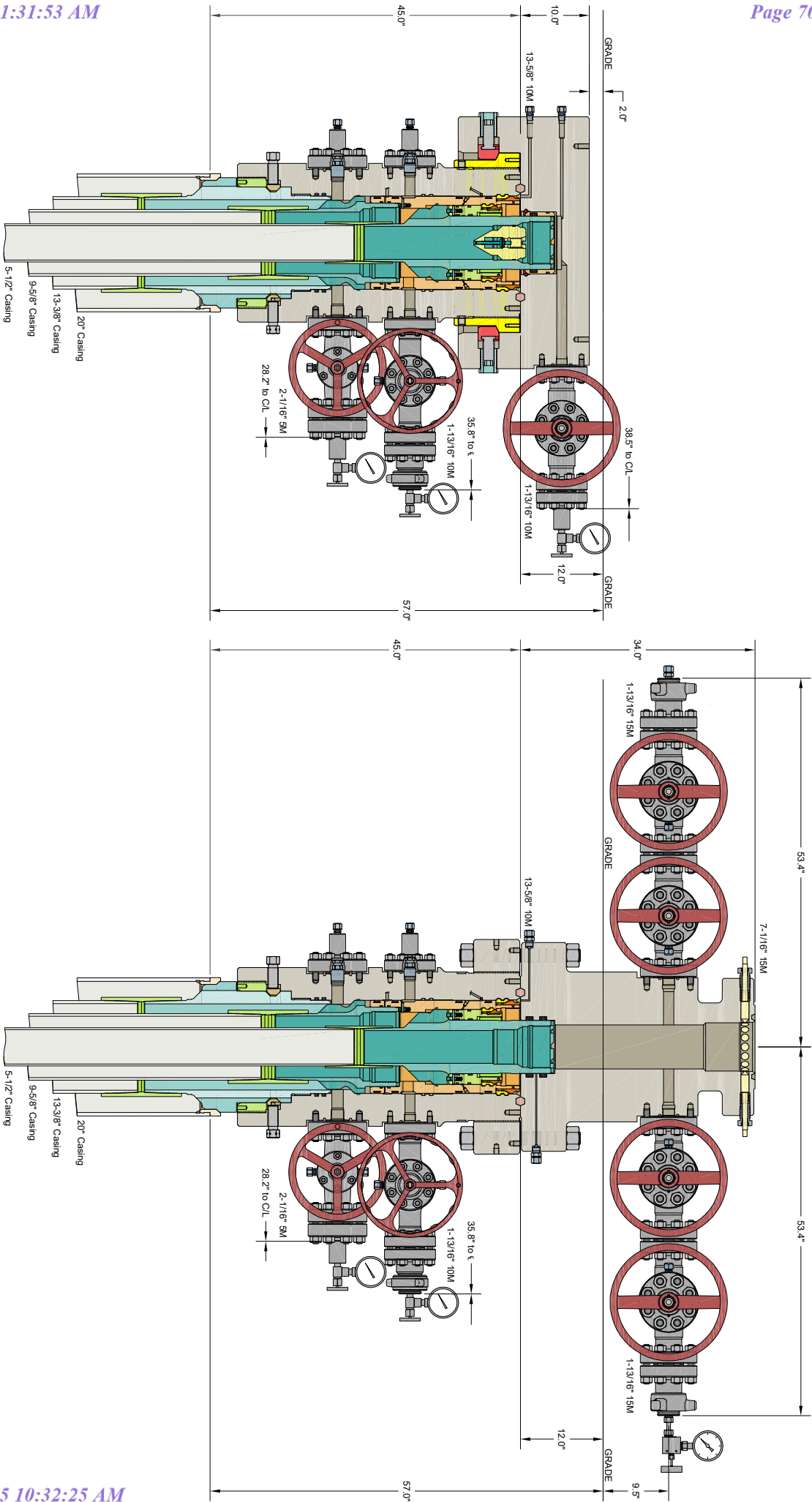
5. Performance Standards

- 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.

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



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

FROM HBE1335

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

PBEX OPERATIONS LLC
NEW MEXICO

20" x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO Wellhead Sys.
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head
And 9-5/8" And 5-1/2" Fluted Mandrel Casing Hangers

DRAWN	DLE	12FEB25
APPRV		
DRAWING NO.	SDT-5235	

AMENDED C-102 and PLAT

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 30-025-55689	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #301H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,694.14'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,445' FWL	Latitude 32.706539°	Longitude -103.789121°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

Bottom Hole Location

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 50' FEL	Latitude 32.707428°	Longitude -103.745724°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	--------------------------------	-------------------------------	----------------------------------	----------------------

Dedicated Acres 320	Infill or Defining Well Defining	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,445' FWL	Latitude 32.706539°	Longitude -103.789121°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

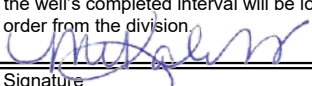
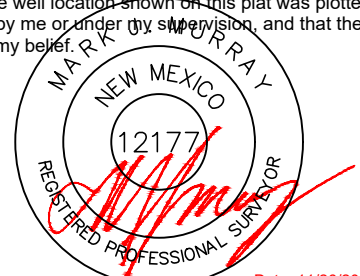
First Take Point (FTP)

UL G	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 2,540' FEL	Latitude 32.707514°	Longitude -103.788146°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

Last Take Point (LTP)

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 100' FEL	Latitude 32.707428°	Longitude -103.745887°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	---------------------------------	-------------------------------	----------------------------------	----------------------

Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,694.14
---	--	--

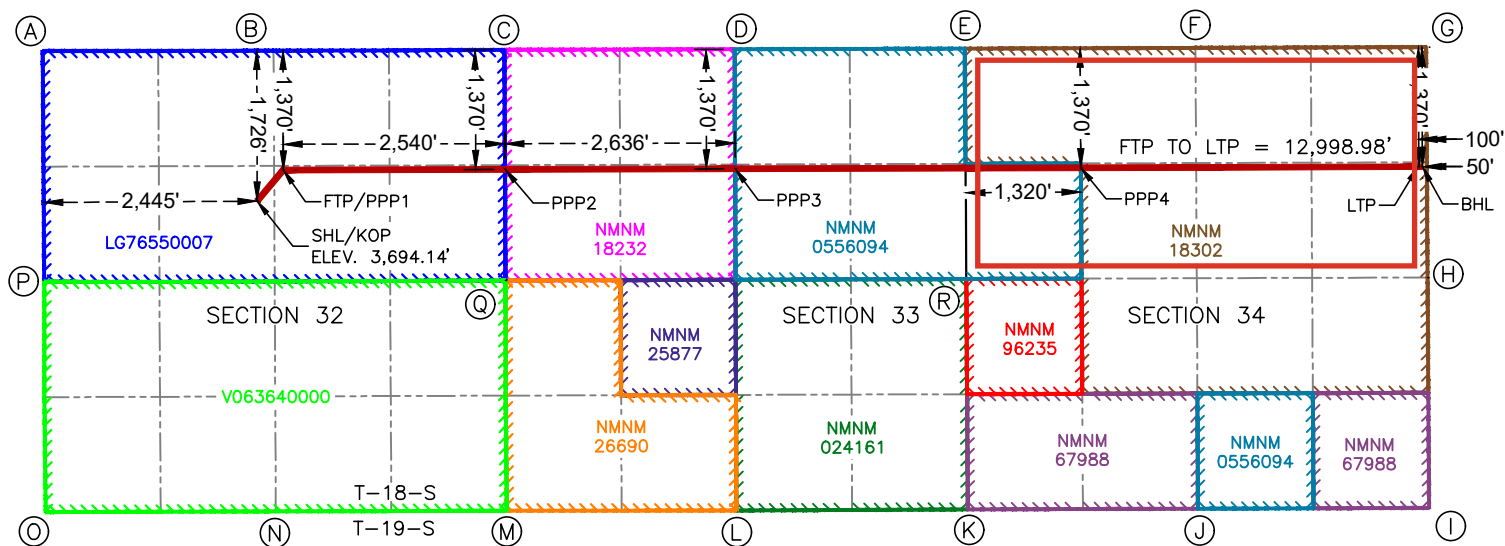
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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.  Signature 11/30/25 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: 11/26/2025 Signature and Seal of Professional Surveyor Certificate Number 12177 Date of Survey 11/26/2025 Revision Number 1	
---	--	--	--

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 32-34 FED COM #301H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,445' FWL
ELEV. = 3,694.14'

NAD 83 X = 708,731.47'
NAD 83 Y = 621,199.63'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789121°

**FIRST TAKE POINT &
PENETRATION POINT 1**
1,370' FNL & 2,540' FEL

NAD 83 X = 709,029.36'
NAD 83 Y = 621,556.24'
NAD 83 LAT = 32.707514°
NAD 83 LONG = -103.788146°

PENETRATION POINT 2
1,370' FNL & 0' FWL

NAD 83 X = 711,569.35'
NAD 83 Y = 621,563.13'
NAD 83 LAT = 32.707497°
NAD 83 LONG = -103.779889°

PENETRATION POINT 3
1,370' FNL & 2,636' FWL

NAD 83 X = 714,205.36'
NAD 83 Y = 621,569.80'
NAD 83 LAT = 32.707477°
NAD 83 LONG = -103.771319°

PENETRATION POINT 4
1,370' FNL & 1,320' FWL
NAD 83 X = 718,165.37'
NAD 83 Y = 621,581.02'
NAD 83 LAT = 32.707450°
NAD 83 LONG = -103.758445°

LAST TAKE POINT
1,370' FNL & 100' FEL
NAD 83 X = 722,028.28'
NAD 83 Y = 621,594.23'
NAD 83 LAT = 32.707428°
NAD 83 LONG = -103.745887°

BOTTOM HOLE LOCATION
1,370' FNL & 50' FEL
NAD 83 X = 722,078.28'
NAD 83 Y = 621,594.41'
NAD 83 LAT = 32.707428°
NAD 83 LONG = -103.745724°

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'

AMENDED C-102 and PLAT

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 30-025-55689	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #301H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,694.14'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,445' FWL	Latitude 32.706539°	Longitude -103.789121°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

Bottom Hole Location

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 50' FEL	Latitude 32.707428°	Longitude -103.745724°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	--------------------------------	-------------------------------	----------------------------------	----------------------

Dedicated Acres 480	Infill or Defining Well Defining	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,445' FWL	Latitude 32.706539°	Longitude -103.789121°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

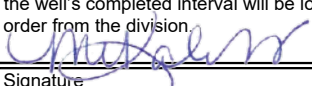
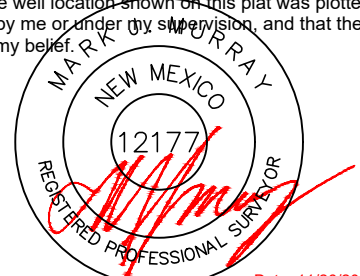
First Take Point (FTP)

UL G	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 2,540' FEL	Latitude 32.707514°	Longitude -103.788146°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

Last Take Point (LTP)

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 100' FEL	Latitude 32.707428°	Longitude -103.745887°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	---------------------------------	-------------------------------	----------------------------------	----------------------

Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,694.14
---	--	--

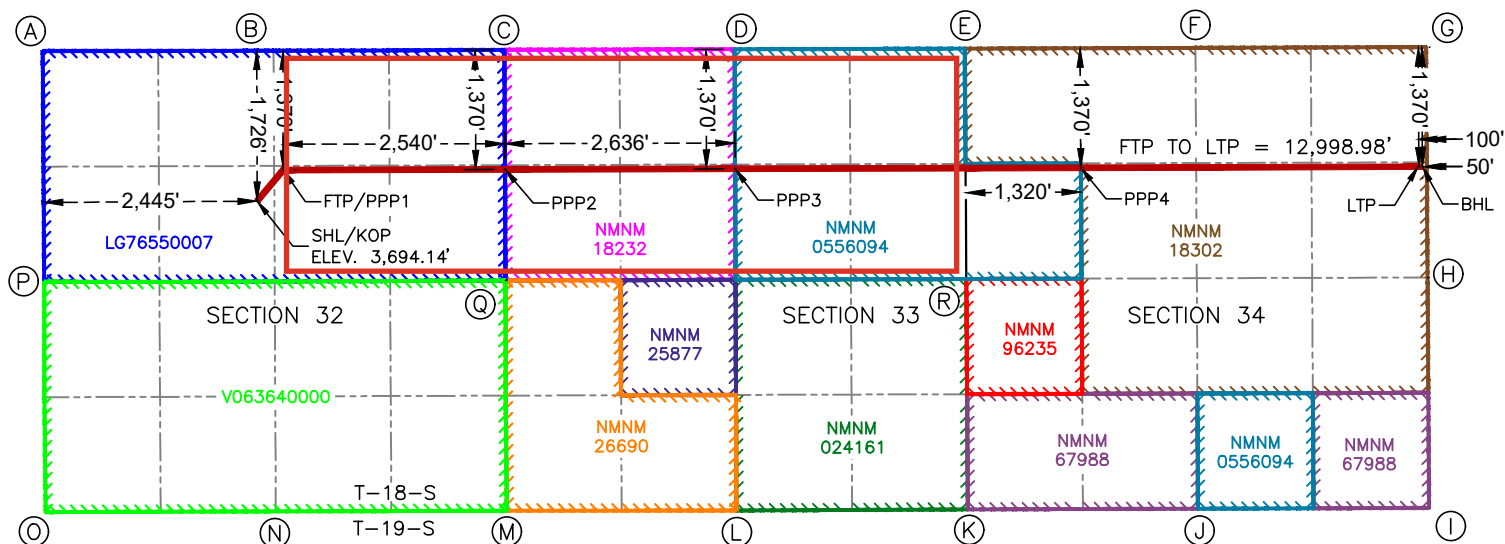
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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.  Signature 11/30/25 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: 11/26/2025 Signature and Seal of Professional Surveyor Certificate Number 12177 Date of Survey 11/26/2025 Revision Number 1	
---	--	--	--

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 32-34 FED COM #301H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,445' FWL
ELEV. = 3,694.14'

NAD 83 X = 708,731.47'
NAD 83 Y = 621,199.63'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789121°

**FIRST TAKE POINT &
PENETRATION POINT 1**
1,370' FNL & 2,540' FEL

NAD 83 X = 709,029.36'
NAD 83 Y = 621,556.24'
NAD 83 LAT = 32.707514°
NAD 83 LONG = -103.788146°

PENETRATION POINT 2
1,370' FNL & 0' FWL

NAD 83 X = 711,569.35'
NAD 83 Y = 621,563.13'
NAD 83 LAT = 32.707497°
NAD 83 LONG = -103.779889°

PENETRATION POINT 3
1,370' FNL & 2,636' FWL

NAD 83 X = 714,205.36'
NAD 83 Y = 621,569.80'
NAD 83 LAT = 32.707477°
NAD 83 LONG = -103.771319°

PENETRATION POINT 4
1,370' FNL & 1,320' FWL
NAD 83 X = 718,165.37'
NAD 83 Y = 621,581.02'
NAD 83 LAT = 32.707450°
NAD 83 LONG = -103.758445°

LAST TAKE POINT
1,370' FNL & 100' FEL
NAD 83 X = 722,028.28'
NAD 83 Y = 621,594.23'
NAD 83 LAT = 32.707428°
NAD 83 LONG = -103.745887°

BOTTOM HOLE LOCATION
1,370' FNL & 50' FEL
NAD 83 X = 722,078.28'
NAD 83 Y = 621,594.41'
NAD 83 LAT = 32.707428°
NAD 83 LONG = -103.745724°

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

Well Name: BOND 32-34 FED COM	Well Location: T18S / R32E / SEC 32 / SENW / 32.706539 / -103.789121	County or Parish/State: LEA / NM
Well Number: 101H	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: 2878972

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/16/2025	Time Sundry Submitted: 12:18
Date proposed operation will begin: 10/16/2025	

Procedure Description: AFMSS APD Number: 10400103826 PBEX Operations, LLC requests the following: Well name change: Original: BOND 23-34 FED COM 101H New: BOND 32-34 FED COM 301H Target zone change: Original: BS1 Avalon New: 3BSS Casing/Cement/Mud change shown on attachment. SHL, BHL, lateral move shown on attachment.

NOI Attachments

Procedure Description

- 24_041778_BOND_32_34_FED_COM__301H_C102_Add_Pool_20251218083354.pdf
- 24_041778_BOND_32_34_FED_COM__301H_C102_20251218083349.pdf
- 5.5_20.00__0.361__P110_RY_92.5_RBW_USS_FREEDOM_HTQ_Data_Sheet_03_14_24_20251211084541.pdf
- Bond_101H__301H_PPP_Changes_20251208105644.pdf
- Bond_101H__New__Bond_301H_Changes_20251208105632.pdf
- Plan_2_WM__02__Bond_32_34_FED_COM_301H_20251208105558.pdf
- Plan_2_AC__02__Bond_32_34_FED_COM_301H_20251208105554.pdf
- Plan_2__02__Bond_32_34_FED_COM_301H_20251208105550.pdf

Well Name: BOND 32-34 FED COM	Well Location: T18S / R32E / SEC 32 / SENW / 32.706539 / -103.789121	County or Parish/State: LEA / NM
Well Number: 101H	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	

Conditions of Approval

Additional

32_18_32_F_Sundry_ID_2878972_Bond_32_34_Fed_Com_301H_Lea_NM18232_PBEX_Operations_LLC_13_22h_11_14_2024_LV_20251218094413.pdf
Bond_32_34_Fed_Com_101H_Dr_COA_20251218094413.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 18, 2025 08:35 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:

BLM Point of Contact

BLM POC Name: LONG VO	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5759885402	BLM POC Email Address: LVO@BLM.GOV
Disposition: Approved	Disposition Date: 12/18/2025
Signature: Long Vo	

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.

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

3a. Address

3b. Phone No. (include area code)

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

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

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

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.)

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

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

Casing/Cement/Mud change shown on attachment.

SHL, BHL, lateral move shown on attachment.

Location of Well

0. SHL: SENW / 1726 FNL / 2445 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.706539 / LONG: -103.789121 (TVD: 0 feet, MD: 0 feet)

PPP: NWNE / 330 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.710373 / LONG: -103.788145 (TVD: 8435 feet, MD: 8832 feet)

PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103545 / LONG: -103.7798872 (TVD: 8450 feet, MD: 11366 feet)

PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7103214 / LONG: -103.7627423 (TVD: 8450 feet, MD: 16639 feet)

PPP: NWNE / 330 FNL / 2637 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103383 / LONG: -103.7713143 (TVD: 8450 feet, MD: 14003 feet)

BHL: NENE / 330 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.710286 / LONG: -103.745598 (TVD: 8450 feet, MD: 21913 feet)

CONFIDENTIAL

32-18-32-F Sundry ID 2878972 Bond 32-34 Fed Com 301H Lea NM18232 PBEX Operations LLC 13-22h 11-14-2024 LV.xlsm

Bond 32-34 Fed Com 301H

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	0.55	1,213	5	0.94	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	2913	3M		1.56			
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.														
Site plot (pipe racks 3 or 4) as per D.O.D. 3.3.30.D.4.1, not found														

9 5/8		casing inside the		13 3/8		Design Factors				Int 1		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00		hcl 80	btc	2.44	0.85	0.87	9,450	1	1.32	1.45	378,000
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: -77								Totals:	9,450			378,000
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	1562	3985	3020	32	10.20	4369	5M	0.81			
D V Tool(s):								sum of sx	Σ CuFt	Σ%excess		
t by stage % :								1562	3985	32		
Class 'H' tail cmt yld > 1.20												
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.61, b, c, d <0.70 a Problem!!												

Tail cmt		casing inside the		9 5/8		Design Factors				Prod 1		
5 1/2												
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00		p 110	freedom	3.15	1.68	2.02	23,573	2	3.06	2.54	471,460
"B"								0				0
"C"								0				0
"D"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,239								Totals:	23,573			471,460
The cement volume(s) are intended to achieve a top of								9250	ft from surface or a	200		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
8 3/4	0.2526	3790	5220	3620	44	12.50						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.											

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 301H
ATS/API ID:	ATS-25-1256
APD ID:	10400103826
Sundry ID:	2878972

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.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

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.

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 **5000 (5M)** 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) 12/18/2025



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.

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

PLEASE REFER TO AMENDED FORM C-102 and PLAT INCLUDED WITHIN 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 #301H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,694.14'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
F	32	18S	32E		1,726' FNL	2,445' FWL	32.706539°	-103.789121°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	34	18S	32E		1,370' FNL	50' FEL	32.707428°	-103.745724°	LEA

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	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
F	32	18S	32E		1,726' FNL	2,445' FWL	32.706539°	-103.789121°	LEA

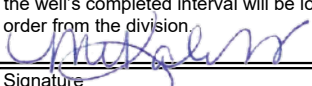
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	32	18S	32E		1,370' FNL	2,540' FEL	32.707514°	-103.788146°	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	34	18S	32E		1,370' FNL	100' FEL	32.707428°	-103.745887°	LEA

Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,694.14
---	--	--

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.  Signature 11/30/25 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.  Date: 11/26/2025 Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com Email Address		Certificate Number 12177	Date of Survey 11/26/2025
		Revision Number 1	

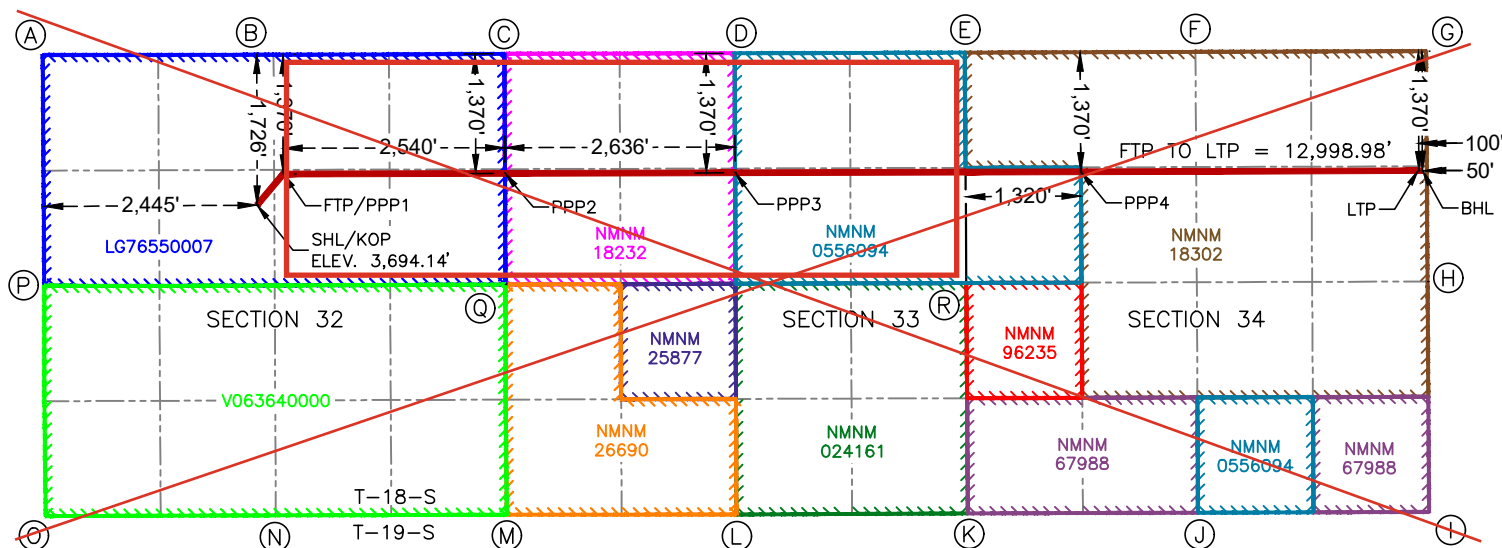
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

PLEASE REFER TO AMENDED FORM C-102 and PLAT INCLUDED WITHIN THIS DOCUMENT

**BOND 32-34 FED COM #301H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,445' FWL
ELEV. = 3,694.14'

NAD 83 X = 708,731.47'
NAD 83 Y = 621,199.63'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789121°

**FIRST TAKE POINT &
PENETRATION POINT 1**
1,370' FNL & 2,540' FEL

NAD 83 X = 709,029.36'
NAD 83 Y = 621,556.24'
NAD 83 LAT = 32.707514°
NAD 83 LONG = -103.788146°

PENETRATION POINT 2
1,370' FNL & 0' FWL

NAD 83 X = 711,569.35'
NAD 83 Y = 621,563.13'
NAD 83 LAT = 32.707497°
NAD 83 LONG = -103.779889°

PENETRATION POINT 3
1,370' FNL & 2,636' FWL

NAD 83 X = 714,205.36'
NAD 83 Y = 621,569.80'
NAD 83 LAT = 32.707477°
NAD 83 LONG = -103.771319°

PENETRATION POINT 4
1,370' FNL & 1,320' FWL
NAD 83 X = 718,165.37'
NAD 83 Y = 621,581.02'
NAD 83 LAT = 32.707450°
NAD 83 LONG = -103.758445°

LAST TAKE POINT
1,370' FNL & 100' FEL
NAD 83 X = 722,028.28'
NAD 83 Y = 621,594.23'
NAD 83 LAT = 32.707428°
NAD 83 LONG = -103.745887°

BOTTOM HOLE LOCATION
1,370' FNL & 50' FEL
NAD 83 X = 722,078.28'
NAD 83 Y = 621,594.41'
NAD 83 LAT = 32.707428°
NAD 83 LONG = -103.745724°

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'

PLEASE REFER TO AMENDED FORM C-102 and PLAT INCLUDED WITHIN 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 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code	Property Name BOND 32-34 FED COM	Well Number #301H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,694.14'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,445' FWL	Latitude 32.706539°	Longitude -103.789121°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

Bottom Hole Location

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 50' FEL	Latitude 32.707428°	Longitude -103.745724°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	--------------------------------	-------------------------------	----------------------------------	----------------------

Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,445' FWL	Latitude 32.706539°	Longitude -103.789121°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

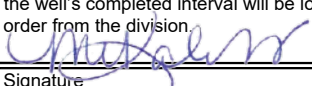
First Take Point (FTP)

UL G	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 2,540' FEL	Latitude 32.707514°	Longitude -103.788146°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	----------------------

Last Take Point (LTP)

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,370' FNL	Ft. from E/W 100' FEL	Latitude 32.707428°	Longitude -103.745887°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	---------------------------------	-------------------------------	----------------------------------	----------------------

Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,694.14
---	--	--

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.  Signature 11/30/25 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: 11/26/2025 Signature and Seal of Professional Surveyor Certificate Number 12177 Date of Survey 11/26/2025 Revision Number 1	
---	--	--	--

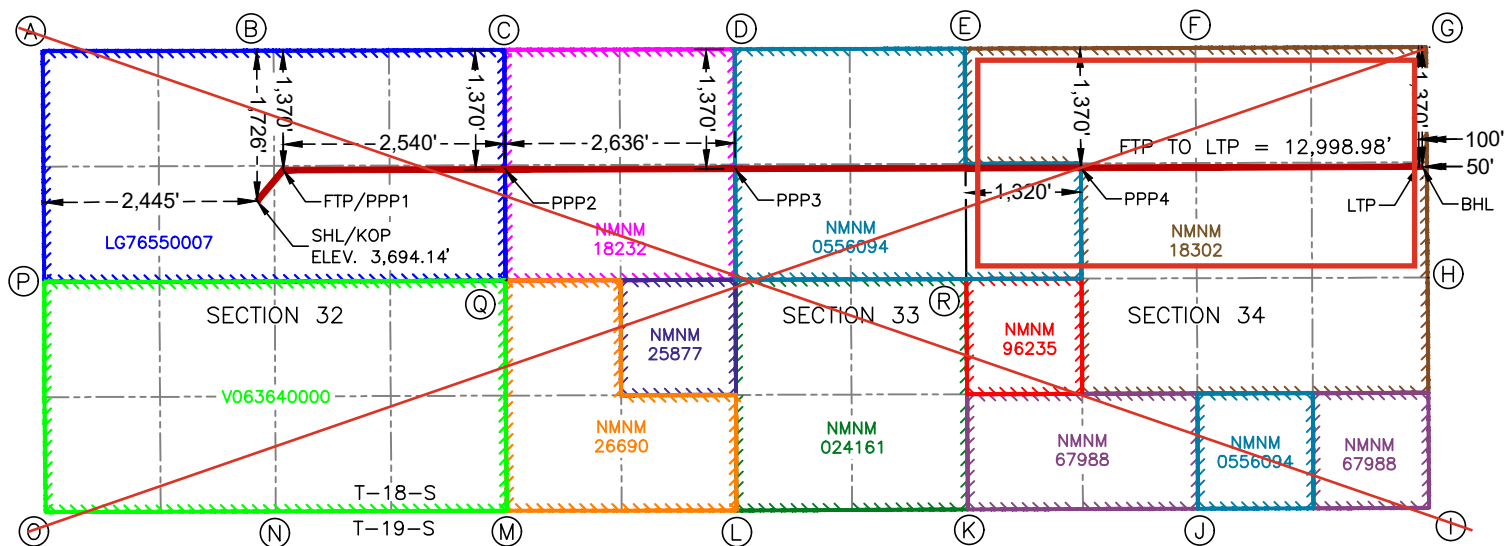
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

PLEASE REFER TO AMENDED FORM C-102 and PLAT INCLUDED WITHIN THIS DOCUMENT

**BOND 32-34 FED COM #301H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,445' FWL
ELEV. = 3,694.14'

NAD 83 X = 708,731.47'
NAD 83 Y = 621,199.63'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789121°

**FIRST TAKE POINT &
PENETRATION POINT 1**
1,370' FNL & 2,540' FEL

NAD 83 X = 709,029.36'
NAD 83 Y = 621,556.24'
NAD 83 LAT = 32.707514°
NAD 83 LONG = -103.788146°

PENETRATION POINT 2
1,370' FNL & 0' FWL

NAD 83 X = 711,569.35'
NAD 83 Y = 621,563.13'
NAD 83 LAT = 32.707497°
NAD 83 LONG = -103.779889°

PENETRATION POINT 3
1,370' FNL & 2,636' FWL

NAD 83 X = 714,205.36'
NAD 83 Y = 621,569.80'
NAD 83 LAT = 32.707477°
NAD 83 LONG = -103.771319°

PENETRATION POINT 4
1,370' FNL & 1,320' FWL
NAD 83 X = 718,165.37'
NAD 83 Y = 621,581.02'
NAD 83 LAT = 32.707450°
NAD 83 LONG = -103.758445°

LAST TAKE POINT
1,370' FNL & 100' FEL
NAD 83 X = 722,028.28'
NAD 83 Y = 621,594.23'
NAD 83 LAT = 32.707428°
NAD 83 LONG = -103.745887°

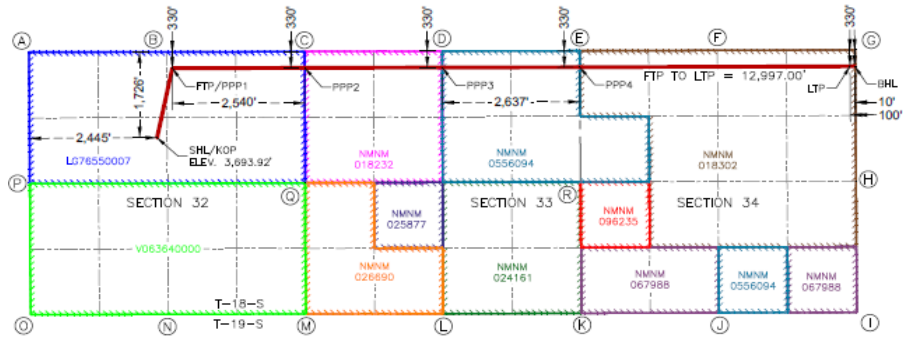
BOTTOM HOLE LOCATION
1,370' FNL & 50' FEL
NAD 83 X = 722,078.28'
NAD 83 Y = 621,594.41'
NAD 83 LAT = 32.707428°
NAD 83 LONG = -103.745724°

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'

PPP Changes

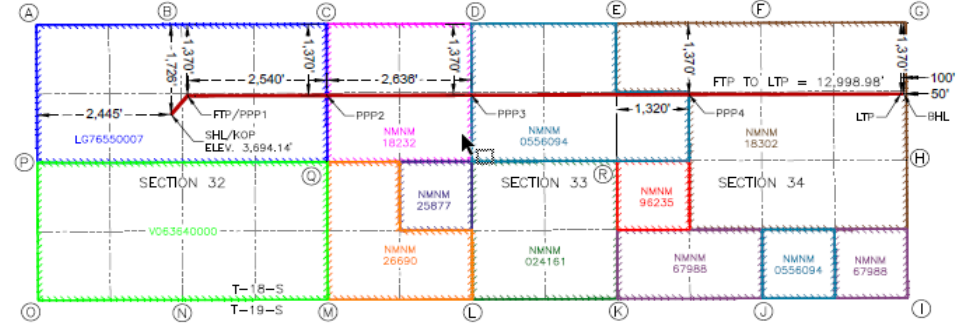
Original- Grey
New- Blue

Original: Bond 33-34 Fed Com 101H



Original- SHL	32-18S-32E	1726 FNL & 2445 FWL	LG76550007
Original- KOP	32-18S-32E	1727 FNL & 2445 FWL	LG76550007
Original- FTP	32-18S-32E	330 FNL & 2540 FEL	LG76550007
Original- PPP2	33-18S-32E	330 FNL & 0 FWL	NMNM018232
Original- PPP3	33-18S-32E	330 FNL & 2637 FEL	NMNM0556094
Original- PPP4	34-18S-32E	330 FNL & 0 FWL	NMNM18302
Original- LTP	34-18S-32E	330 FNL & 100 FEL	NMNM018302
Original- BHL	34-18S-32E	330 FNL & 10 FEL	NMNM018302

New: Bond 33-34 Fed Com 301H



New-SHL	No Changes		
New- KOP	No Changes		
New- FTP	33-18S-32E	1370 FNL & 2540 FEL	LG76550007
New- PPP2	33-18S-32E	1370 FNL & 0 FWL	NMNM18232
New- PPP3	33-18S-32E	1370 FNL & 2636 FWL	NMNM0556094
New- PPP4	34-18S-32E	1370 FNL & 1320 FWL	NMNM18302
New- LTP	34-18S-32E	1370 FNL & 100 FEL	NMNM18302
New- BHL	34-18S-32E	1370 FNL & 50 FEL	NMNM18302

Notice of Intent to Change Drill Plan

Bond 32-34 Fed Com 101H

Bond 32-34 Fed Com 301H

Original Design in Grey
New Design in Blue

Target Zone: BS1 Avalon
New Target Zone: 3BSS

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	21913	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	9450	0	9400	L80HC	40	BTC	1.125	1.125	1.6	
Production	8 3/4	5 1/2	API	no	0	23573	0	10175	P110	20	Freedom	1.125	1.125	1.6	

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

Cement Details- ORIGINAL									
Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	751	2.22	1667.3	12.5	100%	C	Gel, Accleerator, LCM
	Tail	1200	83	1.84	152.8	13.2	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	804	2.65	2129.5	10.5	100%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	240	1.33	319.2	13.2	100%	C or H	Fluid Loss, Retarder, LCM
Produciton	Lead	4035	275	4.3	1184.4	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	2621	1.68	4402.6	13	20%	H	Fluid Loss, Retarder, LCM

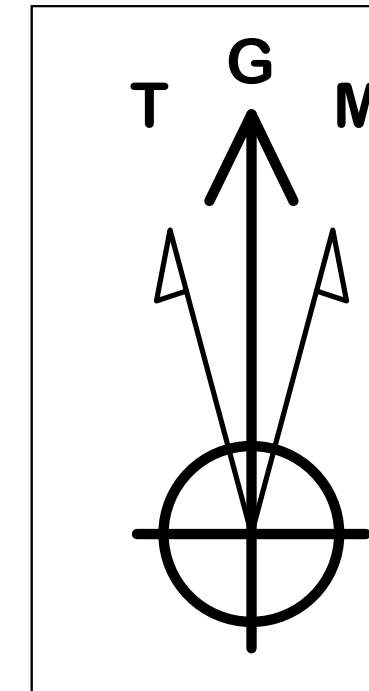
Cement Details- NEW									
Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accleerator, LCM
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	993	3.32	3295.8	10.5	60%	C	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	8350	569	1.21	689	13.2	15%	C	Fluid Loss, Retarder, LCM
Produciton	Lead	5850	310	3.03	938.7	10.5	0%	H	Fluid Loss, Retarder, LCM
	Tail	8850	3,480	1.23	4280.9	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	21913	Oil Based Mud	9.7	35-65	4 to 6

Mud Program- NEW						
Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.0-10.2	34-45	NC
Intermediate	4535	9450	Oil Based Mud	9.6-9.7	35-65	4 to 6
Production	9450	23573	Oil Based Mud	12.0-12.5	35-65	4 to 6



PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (02) Bond 32-34 FED COM 301H
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: RKB - 30.5 @ 3724.64usft
Elevation: 3694.14
To convert a Magnetic Direction to a Grid Direction, Add 6.056°



Azimuths to Grid North
True North: -0.29°
Magnetic North: 6.06°

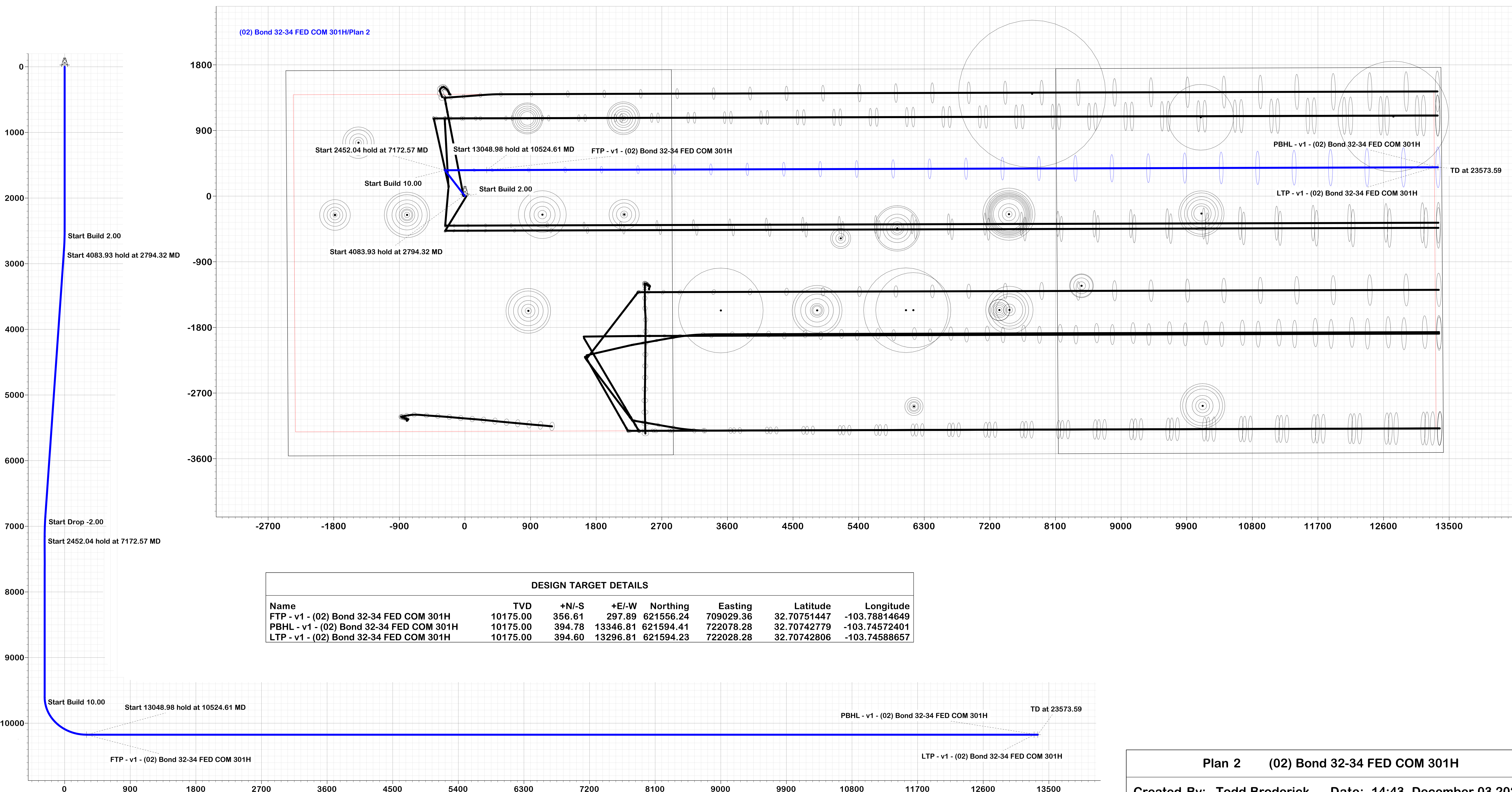
Magnetic Field
Strength: 47228.2nT
Dip Angle: 60.14°
Date: 12/3/2025
Model: IGRF2025



PBEX
Site: Bond North Pad - Phase 1
Well: (02) Bond 32-34 FED COM 301H
Wellbore: 301H
Plan: Plan 2

WELL DETAILS: (02) Bond 32-34 FED COM 301H					
		Northing	Easting	Latitude	Longitude
0.00	0.00	621199.63	708731.47	32.70653851	-103.78912088

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00
2	2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.000	0.00
3	2794.32	5.89	322.23	2793.80	11.94	-9.25	2.00	322.225	-9.22
4	6878.25	5.89	322.23	6856.20	342.99	-265.81	0.00	0.000	-264.79
5	7172.57	0.00	89.83	7150.00	354.93	-275.07	2.00	180.000	-274.01
6	9624.61	0.00	89.83	9602.04	354.93	-275.07	0.00	0.000	-274.01
7	10524.61	90.00	89.83	10175.00	356.61	297.89	10.00	0.000	298.95
8	23573.59	90.00	89.83	10175.00	394.78	13346.81	0.00	0.000	13347.92



Plan 2 (02) Bond 32-34 FED COM 301H
Created By: Todd Broderick Date: 14:43, December 03 2025



PBEX

**Lea County, NM (N83 - NME)
Bond North Pad - Phase 1
(02) Bond 32-34 FED COM 301H**

**301H
Plan 2**

Anticollision Report

03 December, 2025

DIXON



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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	12/3/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	23,573.59	Plan 2 (301H)	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	2,503.17	2,503.72	20.00	7.39	1.586	Level 3, CC, ES
(01) Bond 32-34 FED COM 205H - 205H - Plan 2	2,600.00	2,600.82	20.35	7.45	1.577	Level 3, SF
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	1,916.13	1,917.72	20.00	9.14	1.842	Level 3, CC
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	2,000.00	2,001.59	20.00	8.88	1.799	Level 3, ES
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	2,100.00	2,101.41	20.42	8.99	1.786	Level 3, SF
Bond North Pad - Phase 2						
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	2,000.00	1,998.86	258.55	247.43	23.260	CC
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	23,573.59	23,793.77	710.01	145.57	1.258	Level 3, ES, SF
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	2,000.00	1,998.86	251.85	240.74	22.658	CC, ES
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	23,573.59	21,880.45	1,893.98	1,589.41	6.219	SF
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	3,253.64	3,246.84	209.30	194.75	14.379	CC, ES
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	23,573.59	21,816.02	1,913.28	1,612.31	6.357	SF
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	9,788.64	9,768.76	1,126.10	1,066.74	18.971	CC
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	9,800.00	9,779.37	1,126.11	1,066.69	18.953	ES
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	10,000.00	9,955.74	1,133.05	1,072.56	18.731	SF
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	12,689.24	9,155.00	1,931.77	1,854.65	25.046	CC
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	12,720.74	9,155.00	1,932.03	1,854.37	24.879	ES
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	13,200.00	9,155.00	1,998.16	1,913.70	23.658	SF
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)						Out of range
(W04) FIST FULL OF DOLLARS FEDERAL 001 - 33644						Out of range
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	17,685.88	10,169.74	625.29	167.69	1.366	Level 3, CC
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	17,700.00	10,169.74	625.45	167.62	1.366	Level 3, ES, SF
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	17,689.07	10,155.31	1,937.44	1,524.96	4.697	CC
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	17,700.00	10,155.31	1,937.47	1,524.77	4.695	ES
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	17,800.00	10,155.31	1,940.61	1,526.16	4.682	SF
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)						Out of range
(W08) HULKSTER 001 - 38446 - (Inc Only)	9,600.00	9,565.30	1,245.30	1,017.52	5.467	CC, ES
(W08) HULKSTER 001 - 38446 - (Inc Only)	9,700.00	9,665.08	1,250.02	1,019.80	5.430	SF
(W09) HULKSTER 002 - 38844 - (Inc Only)	8,238.12	8,204.51	1,627.21	1,433.18	8.387	CC
(W09) HULKSTER 002 - 38844 - (Inc Only)	9,400.00	9,357.00	1,628.23	1,402.91	7.226	ES, SF
(W10) HULKSTER 003 - 39570 - (Inc Only)	11,083.92	9,619.00	897.89	699.92	4.536	CC
(W10) HULKSTER 003 - 39570 - (Inc Only)	11,100.00	9,619.00	898.03	699.77	4.529	ES
(W10) HULKSTER 003 - 39570 - (Inc Only)	11,200.00	9,619.00	905.36	704.68	4.512	SF
(W11) HULKSTER 004 - 39571 - (Inc Only)	12,400.00	9,450.00	1,017.56	814.77	5.018	CC

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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						
(W11) HULKSTER 004 - 39571 - (Inc Only)	12,420.20	9,450.00	1,017.71	814.52	5.009	ES
(W11) HULKSTER 004 - 39571 - (Inc Only)	12,600.00	9,450.00	1,036.53	827.78	4.965	SF
(W12) HULKSTER 005 - 39572 - (Inc Only)	12,408.03	9,537.00	882.74	698.33	4.787	CC
(W12) HULKSTER 005 - 39572 - (Inc Only)	12,419.95	9,537.00	882.82	698.21	4.782	ES
(W12) HULKSTER 005 - 39572 - (Inc Only)	12,600.00	9,537.00	903.38	713.37	4.755	SF
(W13) KEELA FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	16,153.86	10,163.09	812.61	445.05	2.211	CC, ES
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	16,200.00	10,163.09	813.92	445.68	2.210	SF
(W15) KEELA FEDERAL 004 - 33499 - (Inc Only)						Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,183.50	2,173.75	1,796.43	1,742.12	33.075	CC
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	11,100.00	10,154.09	1,930.76	1,673.81	7.514	ES
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	11,300.00	10,154.09	1,942.14	1,682.54	7.481	SF
(W17) MAX STATE 001 - 26754 - (Inc Only)	11,286.20	10,149.68	612.46	335.25	2.209	CC, ES
(W17) MAX STATE 001 - 26754 - (Inc Only)	11,300.00	10,149.68	612.62	335.26	2.209	SF
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	20,326.02	10,177.29	624.58	167.77	1.367	Level 3, CC, ES, SF
(W19) SPEAR FEDERAL 001 - 33645 - (Inc Only)						Out of range
(W20) SUPERIOR FEDERAL 001 - 24277 - (Inc Only)						Out of range
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	15,051.28	10,163.22	1,936.27	1,586.88	5.542	CC
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	15,100.00	10,163.22	1,936.88	1,586.57	5.529	ES
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	15,200.00	10,163.22	1,941.97	1,589.96	5.517	SF
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	5,560.83	5,546.01	785.94	655.69	6.034	CC
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	9,600.00	9,579.11	803.70	569.99	3.439	ES
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	9,700.00	9,678.89	806.92	571.00	3.420	SF
(W23) KEELA FEDERAL 001 - 33316 - (Depth Only)						Out of range
(W24) NELLIE 001 - 24439 - (Depth Only)						Out of range
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth)						Out of range
(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 32-34 FED COM 207H - 207H - Plan 2						Out of range
(02) Bond 32-34 FED COM 211H - 211H - Plan 2						Out of range
Bond South Pad - Phase 2						
(01) Bond 33-34 FED COM #306H - #306H - Plan 1						Out of range
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	23,573.59	21,040.55	1,680.03	1,169.78	3.293	CC, ES, SF
(03) Bond 33-34 FED COM #106H - #106H - Plan 1						Out of range
(04) Bond 33-34 FED COM #104H - #104H - Plan 1						Out of range

Offset Design:	Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
	Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		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	0.54	0.54	0.00	0.00	90.029	-0.01	20.00	20.00					
100.00	100.00	100.54	100.54	0.79	0.79	90.029	-0.01	20.00	20.00	18.43	1.57	12.700		
200.00	200.00	200.54	200.54	1.45	1.45	90.029	-0.01	20.00	20.00	17.11	2.89	6.909		
300.00	300.00	300.54	300.54	1.89	1.89	90.029	-0.01	20.00	20.00	16.21	3.79	5.284		
400.00	400.00	400.54	400.54	2.25	2.26	90.029	-0.01	20.00	20.00	15.49	4.51	4.436		

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Database:	EDM 5000.1 Dixon Directional
Reference Wellbore:	301H	Offset TVD Reference:	Offset Datum
Reference Design:	Plan 2		

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		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	
500.00	500.00	500.54	500.54	2.57	2.57	90.029	-0.01	20.00	20.00	14.86	5.14	3.893	
600.00	600.00	600.54	600.54	2.85	2.85	90.029	-0.01	20.00	20.00	14.30	5.70	3.508	
700.00	700.00	700.54	700.54	3.11	3.11	90.029	-0.01	20.00	20.00	13.78	6.22	3.217	
800.00	800.00	800.54	800.54	3.35	3.35	90.029	-0.01	20.00	20.00	13.30	6.70	2.986	
900.00	900.00	900.54	900.54	3.58	3.58	90.029	-0.01	20.00	20.00	12.85	7.15	2.797	
1,000.00	1,000.00	1,000.54	1,000.54	3.79	3.79	90.029	-0.01	20.00	20.00	12.42	7.58	2.638	
1,100.00	1,100.00	1,100.54	1,100.54	3.99	4.00	90.029	-0.01	20.00	20.00	12.01	7.99	2.503	
1,200.00	1,200.00	1,200.54	1,200.54	4.19	4.19	90.029	-0.01	20.00	20.00	11.62	8.38	2.386	
1,300.00	1,300.00	1,300.54	1,300.54	4.38	4.38	90.029	-0.01	20.00	20.00	11.24	8.76	2.283	
1,400.00	1,400.00	1,400.54	1,400.54	4.56	4.56	90.029	-0.01	20.00	20.00	10.87	9.13	2.192	
1,500.00	1,500.00	1,500.54	1,500.54	4.74	4.74	90.029	-0.01	20.00	20.00	10.52	9.48	2.110	
1,600.00	1,600.00	1,600.54	1,600.54	4.91	4.91	90.029	-0.01	20.00	20.00	10.18	9.82	2.036	
1,700.00	1,700.00	1,700.54	1,700.54	5.08	5.08	90.029	-0.01	20.00	20.00	9.84	10.16	1.969 Level 3	
1,800.00	1,800.00	1,800.54	1,800.54	5.24	5.24	90.029	-0.01	20.00	20.00	9.51	10.49	1.907 Level 3	
1,900.00	1,900.00	1,900.54	1,900.54	5.40	5.40	90.029	-0.01	20.00	20.00	9.19	10.81	1.851 Level 3	
2,000.00	2,000.00	2,000.54	2,000.54	5.56	5.56	90.029	-0.01	20.00	20.00	8.88	11.12	1.799 Level 3	
2,100.00	2,100.00	2,100.54	2,100.54	5.71	5.71	90.029	-0.01	20.00	20.00	8.58	11.42	1.751 Level 3	
2,200.00	2,200.00	2,200.54	2,200.54	5.86	5.86	90.029	-0.01	20.00	20.00	8.27	11.73	1.706 Level 3	
2,300.00	2,300.00	2,300.54	2,300.54	6.01	6.01	90.029	-0.01	20.00	20.00	7.98	12.02	1.664 Level 3	
2,400.00	2,400.00	2,400.54	2,400.54	6.16	6.16	90.029	-0.01	20.00	20.00	7.69	12.31	1.625 Level 3	
2,500.00	2,500.00	2,500.54	2,500.54	6.30	6.30	90.029	-0.01	20.00	20.00	7.40	12.60	1.588 Level 3	
2,503.17	2,503.17	2,503.72	2,503.72	6.30	6.30	127.813	-0.01	20.00	20.00	7.39	12.61	1.586 Level 3, CC, ES	
2,600.00	2,599.98	2,600.82	2,600.80	6.51	6.50	135.975	-1.52	19.07	20.35	7.45	12.90	1.577 Level 3, SF	
2,700.00	2,699.84	2,700.61	2,700.44	6.74	6.68	156.920	-6.00	16.33	23.60	10.39	13.22	1.786 Level 3	
2,800.00	2,799.45	2,799.41	2,798.87	6.95	6.87	177.961	-13.34	11.83	33.52	19.95	13.57	2.470	
2,900.00	2,898.93	2,897.44	2,896.21	7.26	6.97	-168.420	-23.24	5.76	48.92	34.97	13.95	3.506	
3,000.00	2,998.40	2,995.69	2,993.69	7.46	7.14	-161.063	-33.67	-0.63	66.11	51.83	14.28	4.628	
3,100.00	3,097.87	3,093.94	3,091.17	7.67	7.33	-156.772	-44.09	-7.02	83.92	69.28	14.64	5.734	
3,200.00	3,197.34	3,192.19	3,188.66	7.90	7.53	-153.990	-54.52	-13.41	102.03	87.02	15.01	6.798	
3,300.00	3,296.82	3,290.43	3,286.14	8.14	7.75	-152.048	-64.94	-19.80	120.29	104.89	15.40	7.809	
3,400.00	3,396.29	3,388.68	3,383.63	8.39	7.99	-150.619	-75.37	-26.19	138.66	122.84	15.82	8.766	
3,500.00	3,495.76	3,486.93	3,481.11	8.66	8.24	-149.525	-85.79	-32.58	157.09	140.84	16.25	9.666	
3,600.00	3,595.23	3,585.18	3,578.59	8.93	8.51	-148.660	-96.22	-38.97	175.57	158.86	16.70	10.512	
3,700.00	3,694.71	3,683.43	3,676.08	9.22	8.78	-147.960	-106.64	-45.36	194.07	176.90	17.17	11.304	
3,800.00	3,794.18	3,781.67	3,773.56	9.51	9.07	-147.382	-117.07	-51.75	212.60	194.95	17.65	12.046	
3,900.00	3,893.65	3,879.92	3,871.04	9.81	9.36	-146.897	-127.49	-58.13	231.15	213.00	18.14	12.740	
4,000.00	3,993.13	3,978.17	3,968.53	10.12	9.67	-146.484	-137.92	-64.52	249.71	231.06	18.65	13.389	
4,100.00	4,092.60	4,076.42	4,066.01	10.44	9.98	-146.128	-148.34	-70.91	268.28	249.11	19.17	13.996	
4,200.00	4,192.07	4,174.66	4,163.50	10.76	10.30	-145.818	-158.77	-77.30	286.86	267.16	19.70	14.563	
4,300.00	4,291.54	4,272.91	4,260.98	11.08	10.63	-145.545	-169.19	-83.69	305.45	285.21	20.24	15.094	
4,400.00	4,391.02	4,371.16	4,358.46	11.41	10.96	-145.304	-179.62	-90.08	324.04	303.26	20.78	15.591	
4,500.00	4,490.49	4,469.41	4,455.95	11.75	11.30	-145.089	-190.05	-96.47	342.64	321.30	21.34	16.057	
4,600.00	4,589.96	4,567.66	4,553.43	12.09	11.64	-144.897	-200.47	-102.86	361.24	339.34	21.90	16.493	
4,700.00	4,689.43	4,665.90	4,650.92	12.43	11.99	-144.723	-210.90	-109.25	379.84	357.37	22.47	16.903	
4,800.00	4,788.91	4,764.15	4,748.40	12.78	12.34	-144.565	-221.32	-115.64	398.45	375.40	23.05	17.287	
4,900.00	4,888.38	4,862.40	4,845.88	13.13	12.70	-144.422	-231.75	-122.03	417.06	393.43	23.63	17.648	
5,000.00	4,987.85	4,960.65	4,943.37	13.48	13.05	-144.290	-242.17	-128.42	435.68	411.46	24.22	17.988	
5,100.00	5,087.33	5,058.89	5,040.85	13.84	13.42	-144.170	-252.60	-134.81	454.29	429.48	24.81	18.308	
5,200.00	5,186.80	5,157.14	5,138.34	14.20	13.78	-144.059	-263.02	-141.20	472.91	447.50	25.41	18.610	
5,300.00	5,286.27	5,255.39	5,235.82	14.56	14.15	-143.956	-273.45	-147.59	491.53	465.51	26.02	18.894	
5,400.00	5,385.74	5,353.64	5,333.30	14.92	14.52	-143.861	-283.87	-153.98	510.15	483.53	26.62	19.163	
5,500.00	5,485.22	5,451.88	5,430.79	15.29	14.89	-143.772	-294.30	-160.37	528.77	501.54	27.23	19.416	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	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)		
5,600.00	5,584.69	5,550.13	5,528.27	15.66	15.27	-143.690	-304.72	-166.76	547.39	519.54	27.85	19.657	
5,700.00	5,684.16	5,648.38	5,625.75	16.02	15.65	-143.613	-315.15	-173.15	566.02	537.55	28.47	19.884	
5,800.00	5,783.63	5,746.63	5,723.24	16.40	16.03	-143.541	-325.57	-179.54	584.64	555.55	29.09	20.100	
5,900.00	5,883.11	5,844.88	5,820.72	16.77	16.41	-143.473	-336.00	-185.93	603.27	573.55	29.71	20.304	
6,000.00	5,982.58	5,943.12	5,918.21	17.14	16.79	-143.410	-346.42	-192.32	621.89	591.55	30.34	20.498	
6,100.00	6,082.05	6,041.37	6,015.69	17.52	17.17	-143.350	-356.85	-198.71	640.52	609.55	30.97	20.683	
6,200.00	6,181.53	6,139.62	6,113.17	17.89	17.56	-143.293	-367.27	-205.10	659.15	627.55	31.60	20.859	
6,300.00	6,281.00	6,237.87	6,210.66	18.27	17.95	-143.240	-377.70	-211.48	677.77	645.54	32.24	21.026	
6,400.00	6,380.47	6,336.11	6,308.14	18.65	18.33	-143.189	-388.12	-217.87	696.40	663.53	32.87	21.185	
6,500.00	6,479.94	6,434.36	6,405.63	19.03	18.72	-143.141	-398.55	-224.26	715.03	681.52	33.51	21.337	
6,600.00	6,579.42	6,532.61	6,503.11	19.41	19.11	-143.096	-408.97	-230.65	733.66	699.51	34.15	21.482	
6,700.00	6,678.89	6,630.86	6,600.59	19.79	19.50	-143.053	-419.40	-237.04	752.29	717.50	34.79	21.621	
6,800.00	6,778.36	6,729.11	6,698.08	20.17	19.90	-143.012	-429.82	-243.43	770.92	735.48	35.44	21.753	
6,900.00	6,877.84	6,827.37	6,795.57	20.54	20.29	-143.017	-440.25	-249.82	789.49	753.42	36.07	21.888	
7,000.00	6,977.54	6,925.94	6,893.38	20.93	20.68	-143.075	-450.71	-256.23	806.15	769.43	36.72	21.955	
7,100.00	7,077.44	7,040.38	7,007.01	21.27	21.13	-142.926	-462.25	-263.31	819.61	782.20	37.41	21.910	
7,200.00	7,177.43	7,172.14	7,138.35	21.38	21.64	179.563	-471.16	-268.77	827.07	789.09	37.98	21.777	
7,300.00	7,277.43	7,304.65	7,270.77	21.43	22.05	179.725	-474.93	-271.08	829.90	791.50	38.41	21.608	
7,400.00	7,377.43	7,411.85	7,377.97	21.48	22.10	179.730	-475.06	-271.16	830.00	791.49	38.51	21.555	
7,500.00	7,477.43	7,511.85	7,477.97	21.54	22.13	179.730	-475.06	-271.16	830.00	791.40	38.60	21.502	
7,600.00	7,577.43	7,611.85	7,577.97	21.59	22.16	179.730	-475.06	-271.16	830.00	791.30	38.70	21.448	
7,700.00	7,677.43	7,711.85	7,677.97	21.65	22.19	179.730	-475.06	-271.16	830.00	791.21	38.79	21.395	
7,800.00	7,777.43	7,811.85	7,777.97	21.70	22.22	179.730	-475.06	-271.16	830.00	791.11	38.89	21.342	
7,900.00	7,877.43	7,911.85	7,877.97	21.75	22.25	179.730	-475.06	-271.16	830.00	791.01	38.99	21.289	
8,000.00	7,977.43	8,011.85	7,977.97	21.81	22.28	179.730	-475.06	-271.16	830.00	790.91	39.09	21.235	
8,100.00	8,077.43	8,111.85	8,077.97	21.86	22.31	179.730	-475.06	-271.16	830.00	790.82	39.18	21.182	
8,200.00	8,177.43	8,211.85	8,177.97	21.92	22.34	179.730	-475.06	-271.16	830.00	790.72	39.28	21.129	
8,300.00	8,277.43	8,311.85	8,277.97	21.97	22.37	179.730	-475.06	-271.16	830.00	790.62	39.38	21.076	
8,400.00	8,377.43	8,411.85	8,377.97	22.03	22.40	179.730	-475.06	-271.16	830.00	790.52	39.48	21.023	
8,500.00	8,477.43	8,511.85	8,477.97	22.08	22.43	179.730	-475.06	-271.16	830.00	790.42	39.58	20.970	
8,600.00	8,577.43	8,611.85	8,577.97	22.14	22.46	179.730	-475.06	-271.16	830.00	790.32	39.68	20.917	
8,700.00	8,677.43	8,711.85	8,677.97	22.20	22.49	179.730	-475.06	-271.16	830.00	790.22	39.78	20.865	
8,800.00	8,777.43	8,811.85	8,777.97	22.25	22.52	179.730	-475.06	-271.16	830.00	790.12	39.88	20.814	
8,808.16	8,785.59	8,820.01	8,786.13	22.26	22.52	179.730	-475.06	-271.16	830.00	790.12	39.88	20.810	
8,900.00	8,877.43	8,910.87	8,876.62	22.31	22.42	179.244	-475.04	-264.11	830.04	790.10	39.95	20.779	
9,000.00	8,977.43	9,004.78	8,967.76	22.36	22.25	177.712	-474.97	-241.91	830.63	790.61	40.02	20.755	
9,100.00	9,077.43	9,089.52	9,045.91	22.42	22.09	175.471	-474.88	-209.34	833.03	792.92	40.10	20.773	
9,200.00	9,177.43	9,163.29	9,109.40	22.48	21.97	172.910	-474.77	-171.87	838.90	798.72	40.18	20.879	
9,300.00	9,277.43	9,226.10	9,159.29	22.53	21.88	170.334	-474.65	-133.76	849.86	809.63	40.24	21.121	
9,400.00	9,377.43	9,279.03	9,197.88	22.59	21.84	167.922	-474.55	-97.57	867.17	826.91	40.26	21.538	
9,500.00	9,477.43	9,323.52	9,227.62	22.65	21.82	165.754	-474.45	-64.49	891.57	851.32	40.25	22.150	
9,600.00	9,577.43	9,361.02	9,250.63	22.70	21.82	163.849	-474.37	-34.90	923.35	883.14	40.20	22.966	
9,700.00	9,677.21	9,400.00	9,272.45	22.62	21.85	69.159	-474.27	-2.60	960.96	920.87	40.09	23.972	
9,800.00	9,774.71	9,430.91	9,288.16	22.45	21.89	64.032	-474.19	24.01	999.53	959.56	39.97	25.008	
9,900.00	9,866.95	9,468.44	9,305.27	22.28	21.97	59.187	-474.09	57.41	1,036.96	997.02	39.94	25.964	
10,000.00	9,951.15	9,500.00	9,317.93	22.13	22.05	55.208	-474.01	86.31	1,071.58	1,031.61	39.97	26.809	
10,100.00	10,024.73	9,550.00	9,334.69	22.05	22.23	51.598	-473.87	133.40	1,101.88	1,061.69	40.19	27.417	
10,200.00	10,085.48	9,600.00	9,347.29	22.07	22.46	48.873	-473.73	181.78	1,127.09	1,086.55	40.54	27.799	
10,300.00	10,131.54	9,627.87	9,352.46	22.26	22.62	47.174	-473.65	209.16	1,145.87	1,104.91	40.95	27.979	
10,400.00	10,161.50	9,668.93	9,357.64	22.65	22.88	46.010	-473.53	249.88	1,158.15	1,116.57	41.58	27.854	
10,420.06	10,165.49	9,677.19	9,358.33	22.76	22.93	45.858	-473.51	258.11	1,159.78	1,118.04	41.73	27.790	
10,500.00	10,174.47	9,710.15	9,359.90	23.24	23.16	45.522	-473.41	291.03	1,163.42	1,121.06	42.36	27.466	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		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)			
10,600.00	10,175.00	9,794.83	9,360.00	24.01	23.85	45.503	-473.16	375.71	1,163.62	1,120.14	43.48	26.762	
10,629.09	10,175.00	9,823.92	9,360.00	24.28	24.13	45.503	-473.08	404.80	1,163.62	1,119.73	43.89	26.515	
10,700.00	10,175.00	9,894.83	9,360.00	24.94	24.81	45.503	-472.87	475.71	1,163.62	1,118.73	44.88	25.925	
10,729.37	10,175.00	9,924.20	9,360.00	25.25	25.12	45.503	-472.79	505.07	1,163.62	1,118.27	45.34	25.663	
10,800.00	10,175.00	9,994.83	9,360.00	26.01	25.90	45.503	-472.58	575.71	1,163.62	1,117.16	46.46	25.047	
10,829.37	10,175.00	10,024.20	9,360.00	26.36	26.25	45.503	-472.49	605.07	1,163.62	1,116.65	46.96	24.778	
10,900.00	10,175.00	10,094.83	9,360.00	27.21	27.11	45.503	-472.29	675.71	1,163.62	1,115.43	48.19	24.149	
10,929.37	10,175.00	10,124.20	9,360.00	27.59	27.49	45.503	-472.20	705.07	1,163.62	1,114.88	48.73	23.878	
11,000.00	10,175.00	10,194.83	9,360.00	28.51	28.43	45.503	-471.99	775.71	1,163.62	1,113.56	50.05	23.248	
11,029.37	10,175.00	10,224.20	9,360.00	28.92	28.83	45.503	-471.91	805.07	1,163.62	1,112.98	50.64	22.980	
11,100.00	10,175.00	10,294.83	9,360.00	29.91	29.83	45.503	-471.70	875.70	1,163.62	1,111.57	52.05	22.358	
11,129.37	10,175.00	10,324.20	9,360.00	30.35	30.26	45.503	-471.62	905.07	1,163.62	1,110.96	52.66	22.097	
11,200.00	10,175.00	10,394.83	9,360.00	31.39	31.32	45.503	-471.41	975.70	1,163.62	1,109.47	54.15	21.489	
11,229.37	10,175.00	10,424.20	9,360.00	31.85	31.77	45.503	-471.32	1,005.07	1,163.62	1,108.82	54.79	21.237	
11,300.00	10,175.00	10,494.83	9,360.00	32.94	32.87	45.503	-471.12	1,075.70	1,163.62	1,107.27	56.35	20.650	
11,329.37	10,175.00	10,524.20	9,360.00	33.42	33.34	45.503	-471.03	1,105.07	1,163.62	1,106.60	57.02	20.407	
11,400.00	10,175.00	10,594.83	9,360.00	34.55	34.48	45.503	-470.82	1,175.70	1,163.62	1,104.98	58.64	19.843	
11,429.37	10,175.00	10,624.20	9,360.00	35.04	34.96	45.503	-470.74	1,205.07	1,163.62	1,104.28	59.33	19.612	
11,500.00	10,175.00	10,694.83	9,360.00	36.21	36.14	45.503	-470.53	1,275.70	1,163.62	1,102.61	61.01	19.074	
11,529.37	10,175.00	10,724.20	9,360.00	36.71	36.63	45.503	-470.44	1,305.07	1,163.62	1,101.90	61.72	18.853	
11,600.00	10,175.00	10,794.83	9,360.00	37.91	37.84	45.503	-470.24	1,375.70	1,163.62	1,100.17	63.44	18.341	
11,629.37	10,175.00	10,824.20	9,360.00	38.42	38.35	45.503	-470.15	1,405.07	1,163.62	1,099.44	64.17	18.132	
11,700.00	10,175.00	10,894.83	9,360.00	39.65	39.58	45.503	-469.95	1,475.70	1,163.62	1,097.68	65.94	17.647	
11,729.37	10,175.00	10,924.20	9,360.00	40.17	40.09	45.503	-469.86	1,505.07	1,163.62	1,096.93	66.69	17.449	
11,800.00	10,175.00	10,994.83	9,360.00	41.42	41.35	45.503	-469.65	1,575.70	1,163.62	1,095.13	68.49	16.989	
11,829.37	10,175.00	11,024.20	9,360.00	41.95	41.87	45.503	-469.57	1,605.07	1,163.62	1,094.36	69.25	16.803	
11,900.00	10,175.00	11,094.83	9,360.00	43.22	43.15	45.503	-469.36	1,675.70	1,163.62	1,092.53	71.09	16.368	
11,929.37	10,175.00	11,124.20	9,360.00	43.76	43.68	45.503	-469.27	1,705.07	1,163.62	1,091.75	71.86	16.192	
12,000.00	10,175.00	11,194.83	9,360.00	45.05	44.97	45.503	-469.07	1,775.70	1,163.62	1,089.88	73.73	15.782	
12,029.37	10,175.00	11,224.20	9,360.00	45.59	45.51	45.503	-468.98	1,805.07	1,163.62	1,089.10	74.52	15.615	
12,100.00	10,175.00	11,294.83	9,360.00	46.89	46.81	45.503	-468.78	1,875.70	1,163.62	1,087.20	76.41	15.228	
12,129.37	10,175.00	11,324.20	9,360.00	47.44	47.36	45.503	-468.69	1,905.07	1,163.62	1,086.41	77.21	15.071	
12,200.00	10,175.00	11,394.83	9,360.00	48.76	48.67	45.503	-468.48	1,975.70	1,163.62	1,084.49	79.13	14.705	
12,229.37	10,175.00	11,424.20	9,360.00	49.31	49.23	45.503	-468.40	2,005.07	1,163.62	1,083.68	79.94	14.557	
12,300.00	10,175.00	11,494.83	9,360.00	50.64	50.55	45.503	-468.19	2,075.70	1,163.62	1,081.74	81.88	14.212	
12,329.37	10,175.00	11,524.20	9,360.00	51.19	51.11	45.503	-468.10	2,105.07	1,163.62	1,080.92	82.69	14.072	
12,400.00	10,175.00	11,594.83	9,360.00	52.53	52.45	45.503	-467.90	2,175.70	1,163.62	1,078.96	84.65	13.746	
12,429.37	10,175.00	11,624.20	9,360.00	53.09	53.01	45.503	-467.81	2,205.07	1,163.62	1,078.14	85.47	13.614	
12,500.00	10,175.00	11,694.83	9,360.00	54.44	54.36	45.503	-467.61	2,275.70	1,163.62	1,076.16	87.45	13.306	
12,529.37	10,175.00	11,724.20	9,360.00	55.00	54.92	45.503	-467.52	2,305.07	1,163.62	1,075.33	88.28	13.181	
12,600.00	10,175.00	11,794.83	9,360.00	56.36	56.27	45.503	-467.31	2,375.70	1,163.62	1,073.34	90.28	12.890	
12,629.37	10,175.00	11,824.20	9,360.00	56.93	56.84	45.503	-467.23	2,405.07	1,163.62	1,072.51	91.11	12.772	
12,700.00	10,175.00	11,894.83	9,360.00	58.29	58.20	45.503	-467.02	2,475.70	1,163.62	1,070.50	93.12	12.496	
12,729.37	10,175.00	11,924.20	9,360.00	58.86	58.77	45.503	-466.93	2,505.07	1,163.62	1,069.66	93.96	12.384	
12,800.00	10,175.00	11,994.83	9,360.00	60.23	60.14	45.503	-466.73	2,575.70	1,163.62	1,067.63	95.98	12.123	
12,829.37	10,175.00	12,024.20	9,360.00	60.80	60.72	45.503	-466.64	2,605.07	1,163.62	1,066.79	96.83	12.017	
12,900.00	10,175.00	12,094.83	9,360.00	62.18	62.09	45.503	-466.44	2,675.70	1,163.62	1,064.75	98.86	11.770	
12,929.37	10,175.00	12,124.20	9,360.00	62.75	62.67	45.503	-466.35	2,705.06	1,163.62	1,063.90	99.71	11.670	
13,000.00	10,175.00	12,194.83	9,360.00	64.13	64.05	45.503	-466.14	2,775.70	1,163.62	1,061.86	101.76	11.435	
13,029.37	10,175.00	12,224.20	9,360.00	64.71	64.62	45.503	-466.06	2,805.06	1,163.62	1,061.00	102.61	11.340	
13,100.00	10,175.00	12,294.83	9,360.00	66.10	66.01	45.503	-465.85	2,875.70	1,163.62	1,058.95	104.67	11.117	
13,129.37	10,175.00	12,324.20	9,360.00	66.68	66.59	45.503	-465.76	2,905.06	1,163.62	1,058.09	105.53	11.027	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		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)			
13,200.00	10,175.00	12,394.83	9,360.00	68.07	67.98	45.503	-465.56	2,975.70	1,163.62	1,056.02	107.59	10.815	
13,229.37	10,175.00	12,424.20	9,360.00	68.65	68.56	45.503	-465.47	3,005.06	1,163.62	1,055.16	108.46	10.729	
13,300.00	10,175.00	12,494.83	9,360.00	70.04	69.95	45.503	-465.26	3,075.70	1,163.62	1,053.09	110.53	10.528	
13,329.37	10,175.00	12,524.20	9,360.00	70.63	70.54	45.503	-465.18	3,105.06	1,163.62	1,052.22	111.39	10.446	
13,400.00	10,175.00	12,594.83	9,360.00	72.03	71.94	45.503	-464.97	3,175.70	1,163.62	1,050.14	113.48	10.254	
13,429.37	10,175.00	12,624.20	9,360.00	72.61	72.52	45.503	-464.89	3,205.06	1,163.62	1,049.27	114.35	10.176	
13,500.00	10,175.00	12,694.83	9,360.00	74.01	73.92	45.503	-464.68	3,275.69	1,163.62	1,047.18	116.43	9.994	
13,529.37	10,175.00	12,724.20	9,360.00	74.60	74.51	45.503	-464.59	3,305.06	1,163.62	1,046.31	117.31	9.920	
13,600.00	10,175.00	12,794.83	9,360.00	76.00	75.91	45.503	-464.39	3,375.69	1,163.62	1,044.21	119.40	9.745	
13,629.37	10,175.00	12,824.20	9,360.00	76.59	76.50	45.503	-464.30	3,405.06	1,163.62	1,043.34	120.28	9.675	
13,700.00	10,175.00	12,894.83	9,360.00	78.00	77.91	45.503	-464.09	3,475.69	1,163.61	1,041.24	122.38	9.508	
13,729.37	10,175.00	12,924.20	9,360.00	78.58	78.49	45.503	-464.01	3,505.06	1,163.61	1,040.36	123.25	9.441	
13,800.00	10,175.00	12,994.83	9,360.00	80.00	79.90	45.503	-463.80	3,575.69	1,163.61	1,038.25	125.36	9.282	
13,829.37	10,175.00	13,024.20	9,360.00	80.58	80.49	45.503	-463.72	3,605.06	1,163.61	1,037.37	126.24	9.217	
13,900.00	10,175.00	13,094.83	9,360.00	82.00	81.91	45.503	-463.51	3,675.69	1,163.61	1,035.26	128.35	9.066	
13,929.37	10,175.00	13,124.20	9,360.00	82.59	82.49	45.503	-463.42	3,705.06	1,163.61	1,034.38	129.24	9.004	
14,000.00	10,175.00	13,194.83	9,360.00	84.00	83.91	45.503	-463.22	3,775.69	1,163.61	1,032.26	131.35	8.859	
14,029.37	10,175.00	13,224.20	9,360.00	84.59	84.50	45.503	-463.13	3,805.06	1,163.61	1,031.38	132.24	8.800	
14,100.00	10,175.00	13,294.83	9,360.00	86.01	85.92	45.503	-462.92	3,875.69	1,163.61	1,029.26	134.36	8.660	
14,129.37	10,175.00	13,324.20	9,360.00	86.60	86.51	45.503	-462.84	3,905.06	1,163.61	1,028.37	135.24	8.604	
14,200.00	10,175.00	13,394.83	9,360.00	88.02	87.93	45.503	-462.63	3,975.69	1,163.61	1,026.24	137.37	8.471	
14,229.37	10,175.00	13,424.20	9,360.00	88.61	88.52	45.503	-462.55	4,005.06	1,163.61	1,025.36	138.26	8.416	
14,300.00	10,175.00	13,494.83	9,360.00	90.04	89.95	45.503	-462.34	4,075.69	1,163.61	1,023.23	140.39	8.288	
14,329.37	10,175.00	13,524.20	9,360.00	90.63	90.54	45.503	-462.25	4,105.06	1,163.61	1,022.34	141.28	8.236	
14,400.00	10,175.00	13,594.83	9,360.00	92.05	91.96	45.503	-462.05	4,175.69	1,163.61	1,020.20	143.41	8.114	
14,429.37	10,175.00	13,624.20	9,360.00	92.65	92.55	45.503	-461.96	4,205.06	1,163.61	1,019.31	144.30	8.064	
14,500.00	10,175.00	13,694.83	9,360.00	94.07	93.98	45.503	-461.75	4,275.69	1,163.61	1,017.17	146.44	7.946	
14,529.37	10,175.00	13,724.20	9,360.00	94.67	94.57	45.503	-461.67	4,305.06	1,163.61	1,016.28	147.33	7.898	
14,600.00	10,175.00	13,794.83	9,360.00	96.09	96.00	45.503	-461.46	4,375.69	1,163.61	1,014.14	149.47	7.785	
14,629.37	10,175.00	13,824.20	9,360.00	96.69	96.60	45.503	-461.38	4,405.06	1,163.61	1,013.25	150.37	7.739	
14,700.00	10,175.00	13,894.83	9,360.00	98.12	98.02	45.503	-461.17	4,475.69	1,163.61	1,011.10	152.51	7.630	
14,729.37	10,175.00	13,924.20	9,360.00	98.71	98.62	45.503	-461.08	4,505.06	1,163.61	1,010.21	153.41	7.585	
14,800.00	10,175.00	13,994.83	9,360.00	100.14	100.05	45.503	-460.88	4,575.69	1,163.61	1,008.06	155.55	7.480	
14,829.37	10,175.00	14,024.20	9,360.00	100.74	100.64	45.503	-460.79	4,605.06	1,163.61	1,007.17	156.45	7.438	
14,900.00	10,175.00	14,094.83	9,360.00	102.17	102.08	45.503	-460.58	4,675.69	1,163.61	1,005.01	158.60	7.337	
14,929.37	10,175.00	14,124.20	9,360.00	102.77	102.67	45.503	-460.50	4,705.06	1,163.61	1,004.12	159.50	7.296	
15,000.00	10,175.00	14,194.83	9,360.00	104.20	104.10	45.503	-460.29	4,775.69	1,163.61	1,001.96	161.65	7.198	
15,029.37	10,175.00	14,224.20	9,360.00	104.79	104.70	45.503	-460.21	4,805.06	1,163.61	1,001.07	162.55	7.159	
15,100.00	10,175.00	14,294.83	9,360.00	106.23	106.14	45.503	-460.00	4,875.69	1,163.61	998.91	164.70	7.065	
15,129.37	10,175.00	14,324.20	9,360.00	106.83	106.73	45.503	-459.91	4,905.06	1,163.61	998.01	165.60	7.027	
15,200.00	10,175.00	14,394.83	9,360.00	108.26	108.17	45.503	-459.71	4,975.69	1,163.61	995.85	167.76	6.936	
15,229.37	10,175.00	14,424.20	9,360.00	108.86	108.76	45.503	-459.62	5,005.05	1,163.61	994.96	168.66	6.899	
15,300.00	10,175.00	14,494.83	9,360.00	110.29	110.20	45.503	-459.41	5,075.69	1,163.61	992.79	170.82	6.812	
15,329.37	10,175.00	14,524.20	9,360.00	110.89	110.80	45.503	-459.33	5,105.05	1,163.61	991.89	171.72	6.776	
15,400.00	10,175.00	14,594.83	9,360.00	112.33	112.23	45.503	-459.12	5,175.69	1,163.61	989.73	173.88	6.692	
15,429.37	10,175.00	14,624.20	9,360.00	112.93	112.83	45.503	-459.04	5,205.05	1,163.61	988.83	174.78	6.657	
15,500.00	10,175.00	14,694.83	9,360.00	114.36	114.27	45.503	-458.83	5,275.69	1,163.61	986.67	176.95	6.576	
15,529.37	10,175.00	14,724.20	9,360.00	114.96	114.87	45.503	-458.74	5,305.05	1,163.61	985.76	177.85	6.543	
15,600.00	10,175.00	14,794.83	9,360.00	116.40	116.31	45.503	-458.54	5,375.69	1,163.61	983.60	180.02	6.464	
15,629.37	10,175.00	14,824.20	9,360.00	117.00	116.91	45.503	-458.45	5,405.05	1,163.61	982.70	180.92	6.432	
15,700.00	10,175.00	14,894.83	9,360.00	118.44	118.35	45.503	-458.24	5,475.69	1,163.61	980.53	183.09	6.355	
15,729.37	10,175.00	14,924.20	9,360.00	119.04	118.94	45.503	-458.16	5,505.05	1,163.61	979.62	183.99	6.324	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		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)			
15,800.00	10,175.00	14,994.83	9,360.00	120.48	120.38	45.503	-457.95	5,575.68	1,163.61	977.45	186.16	6.251	
15,829.37	10,175.00	15,024.20	9,360.00	121.08	120.98	45.503	-457.87	5,605.05	1,163.61	976.55	187.07	6.220	
15,900.00	10,175.00	15,094.83	9,360.00	122.52	122.42	45.503	-457.66	5,675.68	1,163.61	974.38	189.24	6.149	
15,929.37	10,175.00	15,124.20	9,360.00	123.12	123.02	45.503	-457.57	5,705.05	1,163.61	973.47	190.14	6.120	
16,000.00	10,175.00	15,194.83	9,360.00	124.56	124.47	45.503	-457.37	5,775.68	1,163.61	971.30	192.32	6.051	
16,029.37	10,175.00	15,224.20	9,360.00	125.16	125.07	45.503	-457.28	5,805.05	1,163.61	970.39	193.22	6.022	
16,100.00	10,175.00	15,294.83	9,360.00	126.60	126.51	45.503	-457.07	5,875.68	1,163.61	968.22	195.40	5.955	
16,129.37	10,175.00	15,324.20	9,360.00	127.20	127.11	45.503	-456.99	5,905.05	1,163.61	967.31	196.30	5.928	
16,200.00	10,175.00	15,394.83	9,360.00	128.65	128.55	45.503	-456.78	5,975.68	1,163.61	965.14	198.48	5.863	
16,229.37	10,175.00	15,424.20	9,360.00	129.25	129.15	45.503	-456.69	6,005.05	1,163.61	964.23	199.38	5.836	
16,300.00	10,175.00	15,494.83	9,360.00	130.69	130.60	45.503	-456.49	6,075.68	1,163.61	962.05	201.56	5.773	
16,329.37	10,175.00	15,524.20	9,360.00	131.29	131.20	45.503	-456.40	6,105.05	1,163.61	961.15	202.47	5.747	
16,400.00	10,175.00	15,594.83	9,360.00	132.74	132.64	45.503	-456.20	6,175.68	1,163.61	958.97	204.65	5.686	
16,429.37	10,175.00	15,624.20	9,360.00	133.34	133.24	45.503	-456.11	6,205.05	1,163.61	958.06	205.55	5.661	
16,500.00	10,175.00	15,694.83	9,360.00	134.78	134.69	45.503	-455.90	6,275.68	1,163.61	955.88	207.74	5.601	
16,529.37	10,175.00	15,724.20	9,360.00	135.38	135.29	45.503	-455.82	6,305.05	1,163.61	954.97	208.64	5.577	
16,600.00	10,175.00	15,794.83	9,360.00	136.83	136.73	45.503	-455.61	6,375.68	1,163.61	952.79	210.82	5.519	
16,629.37	10,175.00	15,824.20	9,360.00	137.43	137.33	45.503	-455.52	6,405.05	1,163.61	951.88	211.73	5.496	
16,700.00	10,175.00	15,894.83	9,360.00	138.87	138.78	45.503	-455.32	6,475.68	1,163.61	949.70	213.92	5.440	
16,729.37	10,175.00	15,924.20	9,360.00	139.48	139.38	45.503	-455.23	6,505.05	1,163.61	948.79	214.82	5.417	
16,800.00	10,175.00	15,994.83	9,360.00	140.92	140.83	45.503	-455.03	6,575.68	1,163.61	946.61	217.01	5.362	
16,829.37	10,175.00	16,024.20	9,360.00	141.52	141.43	45.503	-454.94	6,605.05	1,163.61	945.70	217.92	5.340	
16,900.00	10,175.00	16,094.83	9,360.00	142.97	142.87	45.503	-454.73	6,675.68	1,163.61	943.51	220.10	5.287	
16,929.37	10,175.00	16,124.20	9,360.00	143.57	143.48	45.503	-454.65	6,705.05	1,163.61	942.60	221.01	5.265	
17,000.00	10,175.00	16,194.83	9,360.00	145.02	144.92	45.503	-454.44	6,775.68	1,163.61	940.42	223.20	5.213	
17,029.37	10,175.00	16,224.20	9,360.00	145.62	145.53	45.503	-454.35	6,805.05	1,163.61	939.51	224.11	5.192	
17,100.00	10,175.00	16,294.83	9,360.00	147.07	146.97	45.503	-454.15	6,875.68	1,163.61	937.32	226.29	5.142	
17,129.37	10,175.00	16,324.20	9,360.00	147.67	147.57	45.503	-454.06	6,905.05	1,163.61	936.41	227.20	5.121	
17,200.00	10,175.00	16,394.83	9,360.00	149.12	149.02	45.503	-453.86	6,975.68	1,163.61	934.22	229.39	5.073	
17,229.37	10,175.00	16,424.20	9,360.00	149.72	149.63	45.503	-453.77	7,005.05	1,163.61	933.31	230.30	5.053	
17,300.00	10,175.00	16,494.83	9,360.00	151.17	151.07	45.503	-453.56	7,075.68	1,163.61	931.12	232.49	5.005	
17,329.37	10,175.00	16,524.20	9,360.00	151.77	151.68	45.503	-453.48	7,105.05	1,163.61	930.21	233.40	4.985	
17,400.00	10,175.00	16,594.83	9,360.00	153.22	153.12	45.503	-453.27	7,175.68	1,163.61	928.02	235.59	4.939	
17,429.37	10,175.00	16,624.20	9,360.00	153.82	153.73	45.503	-453.18	7,205.05	1,163.61	927.11	236.50	4.920	
17,500.00	10,175.00	16,694.83	9,360.00	155.27	155.18	45.503	-452.98	7,275.68	1,163.61	924.92	238.69	4.875	
17,529.37	10,175.00	16,724.20	9,360.00	155.88	155.78	45.503	-452.89	7,305.05	1,163.61	924.01	239.60	4.856	
17,600.00	10,175.00	16,794.83	9,360.00	157.32	157.23	45.503	-452.68	7,375.68	1,163.61	921.82	241.79	4.812	
17,629.37	10,175.00	16,824.20	9,360.00	157.93	157.83	45.503	-452.60	7,405.04	1,163.61	920.91	242.71	4.794	
17,700.00	10,175.00	16,894.83	9,360.00	159.38	159.28	45.503	-452.39	7,475.68	1,163.61	918.72	244.90	4.751	
17,729.37	10,175.00	16,924.20	9,360.00	159.98	159.88	45.503	-452.31	7,505.04	1,163.61	917.80	245.81	4.734	
17,800.00	10,175.00	16,994.83	9,360.00	161.43	161.33	45.503	-452.10	7,575.68	1,163.61	915.61	248.00	4.692	
17,829.37	10,175.00	17,024.20	9,360.00	162.03	161.94	45.503	-452.01	7,605.04	1,163.61	914.70	248.91	4.675	
17,900.00	10,175.00	17,094.83	9,360.00	163.48	163.39	45.503	-451.81	7,675.68	1,163.61	912.51	251.11	4.634	
17,929.37	10,175.00	17,124.20	9,360.00	164.09	163.99	45.503	-451.72	7,705.04	1,163.61	911.59	252.02	4.617	
18,000.00	10,175.00	17,194.83	9,360.00	165.54	165.44	45.503	-451.51	7,775.68	1,163.61	909.40	254.21	4.577	
18,029.37	10,175.00	17,224.20	9,360.00	166.14	166.04	45.503	-451.43	7,805.04	1,163.61	908.49	255.13	4.561	
18,100.00	10,175.00	17,294.83	9,360.00	167.59	167.50	45.503	-451.22	7,875.68	1,163.61	906.29	257.32	4.522	
18,129.37	10,175.00	17,324.20	9,360.00	168.20	168.10	45.503	-451.14	7,905.04	1,163.61	905.38	258.24	4.506	
18,200.00	10,175.00	17,394.83	9,360.00	169.65	169.55	45.503	-450.93	7,975.67	1,163.61	903.18	260.43	4.468	
18,229.37	10,175.00	17,424.20	9,360.00	170.25	170.15	45.503	-450.84	8,005.04	1,163.61	902.27	261.34	4.452	
18,300.00	10,175.00	17,494.83	9,360.00	171.70	171.61	45.503	-450.64	8,075.67	1,163.61	900.07	263.54	4.415	
18,329.37	10,175.00	17,524.20	9,360.00	172.31	172.21	45.503	-450.55	8,105.04	1,163.61	899.16	264.45	4.400	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		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)			
18,400.00	10,175.00	17,594.83	9,360.00	173.76	173.66	45.503	-450.34	8,175.67	1,163.61	896.96	266.65	4.364	
18,429.37	10,175.00	17,624.20	9,360.00	174.36	174.26	45.503	-450.26	8,205.04	1,163.61	896.05	267.56	4.349	
18,500.00	10,175.00	17,694.83	9,360.00	175.81	175.72	45.503	-450.05	8,275.67	1,163.61	893.85	269.76	4.314	
18,529.37	10,175.00	17,724.20	9,360.00	176.42	176.32	45.503	-449.97	8,305.04	1,163.61	892.94	270.67	4.299	
18,600.00	10,175.00	17,794.83	9,360.00	177.87	177.77	45.503	-449.76	8,375.67	1,163.61	890.74	272.87	4.264	
18,629.37	10,175.00	17,824.20	9,360.00	178.47	178.38	45.503	-449.67	8,405.04	1,163.61	889.83	273.79	4.250	
18,700.00	10,175.00	17,894.83	9,360.00	179.93	179.83	45.503	-449.47	8,475.67	1,163.61	887.63	275.98	4.216	
18,729.37	10,175.00	17,924.20	9,360.00	180.53	180.43	45.503	-449.38	8,505.04	1,163.61	886.71	276.90	4.202	
18,800.00	10,175.00	17,994.83	9,360.00	181.98	181.89	45.503	-449.17	8,575.67	1,163.61	884.52	279.10	4.169	
18,829.37	10,175.00	18,024.20	9,360.00	182.59	182.49	45.503	-449.09	8,605.04	1,163.61	883.60	280.01	4.156	
18,900.00	10,175.00	18,094.83	9,360.00	184.04	183.94	45.503	-448.88	8,675.67	1,163.61	881.40	282.21	4.123	
18,929.37	10,175.00	18,124.20	9,360.00	184.64	184.55	45.503	-448.80	8,705.04	1,163.61	880.49	283.13	4.110	
19,000.00	10,175.00	18,194.83	9,360.00	186.10	186.00	45.503	-448.59	8,775.67	1,163.61	878.29	285.33	4.078	
19,029.37	10,175.00	18,224.20	9,360.00	186.70	186.60	45.503	-448.50	8,805.04	1,163.61	877.37	286.24	4.065	
19,100.00	10,175.00	18,294.83	9,360.00	188.15	188.06	45.503	-448.30	8,875.67	1,163.61	875.17	288.44	4.034	
19,129.37	10,175.00	18,324.20	9,360.00	188.76	188.66	45.503	-448.21	8,905.04	1,163.61	874.26	289.36	4.021	
19,200.00	10,175.00	18,394.83	9,360.00	190.21	190.11	45.503	-448.00	8,975.67	1,163.61	872.06	291.56	3.991	
19,229.37	10,175.00	18,424.20	9,360.00	190.82	190.72	45.503	-447.92	9,005.04	1,163.61	871.14	292.47	3.979	
19,300.00	10,175.00	18,494.83	9,360.00	192.27	192.17	45.503	-447.71	9,075.67	1,163.61	868.94	294.67	3.949	
19,329.37	10,175.00	18,524.20	9,360.00	192.87	192.78	45.503	-447.63	9,105.04	1,163.61	868.03	295.59	3.937	
19,400.00	10,175.00	18,594.83	9,360.00	194.33	194.23	45.503	-447.42	9,175.67	1,163.61	865.82	297.79	3.908	
19,429.37	10,175.00	18,624.20	9,360.00	194.93	194.84	45.503	-447.33	9,205.04	1,163.61	864.91	298.70	3.896	
19,500.00	10,175.00	18,694.83	9,360.00	196.39	196.29	45.503	-447.13	9,275.67	1,163.61	862.71	300.91	3.867	
19,529.37	10,175.00	18,724.20	9,360.00	196.99	196.89	45.503	-447.04	9,305.04	1,163.61	861.79	301.82	3.855	
19,600.00	10,175.00	18,794.83	9,360.00	198.45	198.35	45.503	-446.83	9,375.67	1,163.61	859.59	304.02	3.827	
19,629.37	10,175.00	18,824.20	9,360.00	199.05	198.95	45.503	-446.75	9,405.04	1,163.61	858.67	304.94	3.816	
19,700.00	10,175.00	18,894.83	9,360.00	200.50	200.41	45.503	-446.54	9,475.67	1,163.61	856.47	307.14	3.789	
19,729.37	10,175.00	18,924.20	9,360.00	201.11	201.01	45.503	-446.46	9,505.04	1,163.61	855.55	308.06	3.777	
19,800.00	10,175.00	18,994.83	9,360.00	202.56	202.47	45.503	-446.25	9,575.67	1,163.61	853.35	310.26	3.750	
19,829.37	10,175.00	19,024.20	9,360.00	203.17	203.07	45.503	-446.16	9,605.04	1,163.61	852.44	311.18	3.739	
19,900.00	10,175.00	19,094.83	9,360.00	204.62	204.53	45.503	-445.96	9,675.67	1,163.61	850.23	313.38	3.713	
19,929.37	10,175.00	19,124.20	9,360.00	205.23	205.13	45.503	-445.87	9,705.03	1,163.61	849.32	314.30	3.702	
20,000.00	10,175.00	19,194.83	9,360.00	206.68	206.59	45.503	-445.66	9,775.67	1,163.61	847.11	316.50	3.676	
20,029.37	10,175.00	19,224.20	9,360.00	207.29	207.19	45.503	-445.58	9,805.03	1,163.61	846.20	317.42	3.666	
20,100.00	10,175.00	19,294.83	9,360.00	208.74	208.65	45.503	-445.37	9,875.67	1,163.61	843.99	319.62	3.641	
20,129.37	10,175.00	19,324.20	9,360.00	209.35	209.25	45.503	-445.29	9,905.03	1,163.61	843.08	320.54	3.630	
20,200.00	10,175.00	19,394.83	9,360.00	210.80	210.71	45.503	-445.08	9,975.67	1,163.61	840.87	322.74	3.605	
20,229.37	10,175.00	19,424.20	9,360.00	211.41	211.31	45.503	-444.99	10,005.03	1,163.61	839.95	323.66	3.595	
20,300.00	10,175.00	19,494.83	9,360.00	212.86	212.77	45.503	-444.79	10,075.67	1,163.61	837.75	325.86	3.571	
20,329.37	10,175.00	19,524.20	9,360.00	213.47	213.37	45.503	-444.70	10,105.03	1,163.61	836.83	326.78	3.561	
20,400.00	10,175.00	19,594.83	9,360.00	214.92	214.83	45.503	-444.49	10,175.67	1,163.61	834.63	328.98	3.537	
20,429.37	10,175.00	19,624.20	9,360.00	215.53	215.43	45.503	-444.41	10,205.03	1,163.61	833.71	329.90	3.527	
20,500.00	10,175.00	19,694.83	9,360.00	216.98	216.89	45.503	-444.20	10,275.66	1,163.61	831.51	332.11	3.504	
20,529.37	10,175.00	19,724.20	9,360.00	217.59	217.49	45.503	-444.11	10,305.03	1,163.61	830.59	333.02	3.494	
20,600.00	10,175.00	19,794.83	9,360.00	219.05	218.95	45.503	-443.91	10,375.66	1,163.61	828.38	335.23	3.471	
20,629.37	10,175.00	19,824.20	9,360.00	219.65	219.55	45.503	-443.82	10,405.03	1,163.61	827.47	336.15	3.462	
20,700.00	10,175.00	19,894.83	9,360.00	221.11	221.01	45.503	-443.62	10,475.66	1,163.61	825.26	338.35	3.439	
20,729.37	10,175.00	19,924.20	9,360.00	221.71	221.61	45.503	-443.53	10,505.03	1,163.61	824.34	339.27	3.430	
20,800.00	10,175.00	19,994.83	9,360.00	223.17	223.07	45.503	-443.32	10,575.66	1,163.61	822.14	341.48	3.408	
20,829.37	10,175.00	20,024.20	9,360.00	223.77	223.68	45.503	-443.24	10,605.03	1,163.61	821.22	342.39	3.398	
20,900.00	10,175.00	20,094.83	9,360.00	225.23	225.13	45.503	-443.03	10,675.66	1,163.61	819.01	344.60	3.377	
20,929.37	10,175.00	20,124.20	9,360.00	225.83	225.74	45.503	-442.94	10,705.03	1,163.61	818.10	345.52	3.368	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		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)			
21,000.00	10,175.00	20,194.83	9,360.00	227.29	227.19	45.503	-442.74	10,775.66	1,163.61	815.89	347.72	3.346	
21,029.37	10,175.00	20,224.20	9,360.00	227.90	227.80	45.503	-442.65	10,805.03	1,163.61	814.97	348.64	3.338	
21,100.00	10,175.00	20,294.83	9,360.00	229.35	229.25	45.503	-442.45	10,875.66	1,163.61	812.77	350.85	3.317	
21,129.37	10,175.00	20,324.20	9,360.00	229.96	229.86	45.503	-442.36	10,905.03	1,163.61	811.85	351.77	3.308	
21,200.00	10,175.00	20,394.83	9,360.00	231.41	231.32	45.503	-442.15	10,975.66	1,163.61	809.64	353.97	3.287	
21,229.37	10,175.00	20,424.20	9,360.00	232.02	231.92	45.503	-442.07	11,005.03	1,163.61	808.72	354.89	3.279	
21,300.00	10,175.00	20,494.83	9,360.00	233.48	233.38	45.503	-441.86	11,075.66	1,163.61	806.52	357.10	3.259	
21,329.37	10,175.00	20,524.20	9,360.00	234.08	233.98	45.503	-441.77	11,105.03	1,163.61	805.60	358.02	3.250	
21,400.00	10,175.00	20,594.83	9,360.00	235.54	235.44	45.503	-441.57	11,175.66	1,163.61	803.39	360.22	3.230	
21,429.37	10,175.00	20,624.20	9,360.00	236.14	236.05	45.503	-441.48	11,205.03	1,163.61	802.47	361.14	3.222	
21,500.00	10,175.00	20,694.83	9,360.00	237.60	237.50	45.503	-441.28	11,275.66	1,163.61	800.26	363.35	3.202	
21,529.37	10,175.00	20,724.20	9,360.00	238.21	238.11	45.503	-441.19	11,305.03	1,163.61	799.35	364.27	3.194	
21,600.00	10,175.00	20,794.83	9,360.00	239.66	239.57	45.503	-440.98	11,375.66	1,163.61	797.14	366.47	3.175	
21,629.37	10,175.00	20,824.20	9,360.00	240.27	240.17	45.503	-440.90	11,405.03	1,163.61	796.22	367.39	3.167	
21,700.00	10,175.00	20,894.83	9,360.00	241.73	241.63	45.503	-440.69	11,475.66	1,163.61	794.01	369.60	3.148	
21,729.37	10,175.00	20,924.20	9,360.00	242.33	242.23	45.503	-440.60	11,505.03	1,163.61	793.09	370.52	3.140	
21,800.00	10,175.00	20,994.83	9,360.00	243.79	243.69	45.503	-440.40	11,575.66	1,163.61	790.88	372.73	3.122	
21,829.37	10,175.00	21,024.20	9,360.00	244.39	244.30	45.503	-440.31	11,605.03	1,163.61	789.97	373.65	3.114	
21,900.00	10,175.00	21,094.83	9,360.00	245.85	245.75	45.503	-440.11	11,675.66	1,163.61	787.76	375.85	3.096	
21,929.37	10,175.00	21,124.20	9,360.00	246.46	246.36	45.503	-440.02	11,705.03	1,163.61	786.84	376.77	3.088	
22,000.00	10,175.00	21,194.83	9,360.00	247.91	247.82	45.503	-439.81	11,775.66	1,163.61	784.63	378.98	3.070	
22,029.37	10,175.00	21,224.20	9,360.00	248.52	248.42	45.503	-439.73	11,805.03	1,163.61	783.71	379.90	3.063	
22,100.00	10,175.00	21,294.83	9,360.00	249.98	249.88	45.503	-439.52	11,875.66	1,163.61	781.50	382.11	3.045	
22,129.37	10,175.00	21,324.20	9,360.00	250.58	250.48	45.503	-439.43	11,905.03	1,163.61	780.58	383.03	3.038	
22,200.00	10,175.00	21,394.83	9,360.00	252.04	251.94	45.503	-439.23	11,975.66	1,163.61	778.38	385.24	3.021	
22,229.37	10,175.00	21,424.20	9,360.00	252.65	252.55	45.503	-439.14	12,005.03	1,163.61	777.46	386.16	3.013	
22,300.00	10,175.00	21,494.83	9,360.00	254.10	254.00	45.503	-438.93	12,075.66	1,163.61	775.25	388.37	2.996	
22,329.37	10,175.00	21,524.20	9,360.00	254.71	254.61	45.503	-438.85	12,105.02	1,163.61	774.33	389.28	2.989	
22,400.00	10,175.00	21,594.83	9,360.00	256.17	256.07	45.503	-438.64	12,175.66	1,163.61	772.12	391.49	2.972	
22,429.37	10,175.00	21,624.20	9,360.00	256.77	256.67	45.503	-438.56	12,205.02	1,163.61	771.20	392.41	2.965	
22,500.00	10,175.00	21,694.83	9,360.00	258.23	258.13	45.503	-438.35	12,275.66	1,163.61	768.99	394.62	2.949	
22,529.37	10,175.00	21,724.20	9,360.00	258.84	258.74	45.503	-438.26	12,305.02	1,163.61	768.07	395.54	2.942	
22,600.00	10,175.00	21,794.83	9,360.00	260.29	260.20	45.503	-438.06	12,375.66	1,163.61	765.86	397.75	2.925	
22,629.37	10,175.00	21,824.20	9,360.00	260.90	260.80	45.503	-437.97	12,405.02	1,163.61	764.94	398.67	2.919	
22,700.00	10,175.00	21,894.83	9,360.00	262.36	262.26	45.503	-437.76	12,475.66	1,163.61	762.73	400.88	2.903	
22,729.37	10,175.00	21,924.20	9,360.00	262.96	262.86	45.503	-437.68	12,505.02	1,163.61	761.81	401.80	2.896	
22,800.00	10,175.00	21,994.83	9,360.00	264.42	264.32	45.503	-437.47	12,575.66	1,163.61	759.60	404.01	2.880	
22,829.37	10,175.00	22,024.20	9,360.00	265.03	264.93	45.503	-437.39	12,605.02	1,163.61	758.68	404.93	2.874	
22,900.00	10,175.00	22,094.83	9,360.00	266.48	266.39	45.503	-437.18	12,675.65	1,163.61	756.47	407.14	2.858	
22,929.37	10,175.00	22,124.20	9,360.00	267.09	266.99	45.503	-437.09	12,705.02	1,163.61	755.55	408.06	2.852	
23,000.00	10,175.00	22,194.83	9,360.00	268.55	268.45	45.503	-436.89	12,775.65	1,163.61	753.34	410.27	2.836	
23,029.37	10,175.00	22,224.20	9,360.00	269.15	269.06	45.503	-436.80	12,805.02	1,163.61	752.43	411.19	2.830	
23,100.00	10,175.00	22,294.83	9,360.00	270.61	270.51	45.503	-436.59	12,875.65	1,163.61	750.21	413.40	2.815	
23,129.37	10,175.00	22,324.20	9,360.00	271.22	271.12	45.503	-436.51	12,905.02	1,163.61	749.30	414.32	2.809	
23,200.00	10,175.00	22,394.83	9,360.00	272.68	272.58	45.503	-436.30	12,975.65	1,163.61	747.08	416.53	2.794	
23,229.37	10,175.00	22,424.20	9,360.00	273.28	273.18	45.503	-436.22	13,005.02	1,163.61	746.17	417.45	2.787	
23,300.00	10,175.00	22,494.83	9,360.00	274.74	274.64	45.503	-436.01	13,075.65	1,163.61	743.95	419.66	2.773	
23,329.37	10,175.00	22,524.20	9,360.00	275.35	275.25	45.503	-435.92	13,105.02	1,163.61	743.03	420.58	2.767	
23,400.00	10,175.00	22,594.83	9,360.00	276.80	276.71	45.503	-435.72	13,175.65	1,163.61	740.82	422.79	2.752	
23,429.37	10,175.00	22,624.20	9,360.00	277.41	277.31	45.503	-435.63	13,205.02	1,163.61	739.90	423.71	2.746	
23,500.00	10,175.00	22,694.83	9,360.00	278.87	278.77	45.503	-435.42	13,275.65	1,163.61	737.69	425.92	2.732	
23,529.37	10,175.00	22,724.20	9,360.00	279.48	279.38	45.503	-435.34	13,305.02	1,163.61	736.77	426.84	2.726	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		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	
23,558.04	10,175.00	22,752.86	9,360.00	280.07	279.97	45.503	-435.25	13,333.69	1,163.61	735.88	427.74	2.720	
23,573.59	10,175.00	22,768.41	9,360.00	280.39	280.29	45.503	-435.21	13,349.24	1,163.61	735.39	428.22	2.717	



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - 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	Rule Assigned:							
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	Warning
0.00	0.00	1.59	1.59	0.00	0.01	-89.943	0.02	-20.00	20.00				
100.00	100.00	101.59	101.59	0.79	0.80	-89.943	0.02	-20.00	20.00	18.42	1.58	12.644	
200.00	200.00	201.59	201.59	1.45	1.45	-89.943	0.02	-20.00	20.00	17.10	2.90	6.898	
300.00	300.00	301.59	301.59	1.89	1.90	-89.943	0.02	-20.00	20.00	16.21	3.79	5.278	
400.00	400.00	401.59	401.59	2.25	2.26	-89.943	0.02	-20.00	20.00	15.49	4.51	4.432	
500.00	500.00	501.59	501.59	2.57	2.57	-89.943	0.02	-20.00	20.00	14.86	5.14	3.891	
600.00	600.00	601.59	601.59	2.85	2.85	-89.943	0.02	-20.00	20.00	14.30	5.70	3.507	
700.00	700.00	701.59	701.59	3.11	3.11	-89.943	0.02	-20.00	20.00	13.78	6.22	3.215	
800.00	800.00	801.59	801.59	3.35	3.35	-89.943	0.02	-20.00	20.00	13.30	6.70	2.985	
900.00	900.00	901.59	901.59	3.58	3.58	-89.943	0.02	-20.00	20.00	12.85	7.15	2.796	
1,000.00	1,000.00	1,001.59	1,001.59	3.79	3.79	-89.943	0.02	-20.00	20.00	12.42	7.58	2.638	
1,100.00	1,100.00	1,101.59	1,101.59	3.99	4.00	-89.943	0.02	-20.00	20.00	12.01	7.99	2.502	
1,200.00	1,200.00	1,201.59	1,201.59	4.19	4.19	-89.943	0.02	-20.00	20.00	11.62	8.38	2.385	
1,300.00	1,300.00	1,301.59	1,301.59	4.38	4.38	-89.943	0.02	-20.00	20.00	11.24	8.76	2.282	
1,400.00	1,400.00	1,401.59	1,401.59	4.56	4.57	-89.943	0.02	-20.00	20.00	10.87	9.13	2.191	
1,500.00	1,500.00	1,501.59	1,501.59	4.74	4.74	-89.943	0.02	-20.00	20.00	10.52	9.48	2.109	
1,600.00	1,600.00	1,601.59	1,601.59	4.91	4.91	-89.943	0.02	-20.00	20.00	10.17	9.83	2.035	
1,700.00	1,700.00	1,701.59	1,701.59	5.08	5.08	-89.943	0.02	-20.00	20.00	9.84	10.16	1.968 Level 3	
1,800.00	1,800.00	1,801.59	1,801.59	5.24	5.25	-89.943	0.02	-20.00	20.00	9.51	10.49	1.907 Level 3	
1,900.00	1,900.00	1,901.59	1,901.59	5.40	5.40	-89.943	0.02	-20.00	20.00	9.19	10.81	1.851 Level 3	
1,916.13	1,916.13	1,917.72	1,917.72	5.43	5.43	-89.943	0.02	-20.00	20.00	9.14	10.86	1.842 Level 3, CC	
2,000.00	2,000.00	2,001.59	2,001.59	5.56	5.56	-89.941	0.02	-20.00	20.00	8.88	11.12	1.799 Level 3, ES	
2,100.00	2,100.00	2,101.41	2,101.39	5.71	5.80	-84.990	1.78	-20.34	20.42	8.99	11.43	1.786 Level 3, SF	
2,200.00	2,200.00	2,200.99	2,200.83	5.86	6.05	-71.970	6.94	-21.33	22.44	10.68	11.76	1.908 Level 3	
2,300.00	2,300.00	2,300.00	2,299.45	6.01	6.31	-56.086	15.43	-22.95	27.74	15.60	12.14	2.285	
2,400.00	2,400.00	2,398.47	2,397.19	6.16	6.59	-42.832	27.19	-25.21	37.34	24.78	12.56	2.972	
2,500.00	2,500.00	2,495.91	2,493.44	6.30	6.88	-33.703	42.07	-28.06	51.22	38.24	12.99	3.944	
2,600.00	2,599.98	2,592.51	2,588.29	6.51	7.18	10.272	59.98	-31.49	67.35	53.87	13.48	4.996	
2,700.00	2,699.84	2,688.46	2,681.85	6.74	7.51	15.054	80.87	-35.50	83.89	69.91	13.98	6.003	
2,800.00	2,799.45	2,783.75	2,774.01	6.95	7.84	19.069	104.66	-40.06	100.84	86.39	14.45	6.977	
2,900.00	2,898.93	2,878.82	2,865.12	7.26	8.12	22.390	131.31	-45.17	119.95	104.97	14.98	8.005	
3,000.00	2,998.40	2,976.55	2,958.48	7.46	8.43	24.885	159.70	-50.61	140.41	124.91	15.50	9.059	
3,100.00	3,097.87	3,074.28	3,051.83	7.67	8.77	26.745	188.08	-56.05	161.06	145.01	16.05	10.033	
3,200.00	3,197.34	3,172.00	3,145.19	7.90	9.12	28.182	216.46	-61.49	181.84	165.21	16.63	10.935	
3,300.00	3,296.82	3,269.73	3,238.55	8.14	9.48	29.324	244.85	-66.93	202.70	185.47	17.23	11.766	
3,400.00	3,396.29	3,367.46	3,331.90	8.39	9.85	30.253	273.23	-72.37	223.63	205.78	17.84	12.532	
3,500.00	3,495.76	3,465.19	3,425.26	8.66	10.24	31.023	301.62	-77.82	244.60	226.12	18.48	13.238	
3,600.00	3,595.23	3,562.91	3,518.62	8.93	10.64	31.671	330.00	-83.26	265.61	246.48	19.13	13.887	
3,700.00	3,694.71	3,660.64	3,611.97	9.22	11.04	32.224	358.38	-88.70	286.64	266.85	19.79	14.485	
3,800.00	3,794.18	3,758.37	3,705.33	9.51	11.45	32.702	386.77	-94.14	307.70	287.24	20.46	15.037	
3,900.00	3,893.65	3,856.10	3,798.69	9.81	11.87	33.118	415.15	-99.58	328.78	307.63	21.15	15.546	
4,000.00	3,993.13	3,953.82	3,892.04	10.12	12.29	33.485	443.54	-105.02	349.87	328.02	21.84	16.016	
4,100.00	4,092.60	4,051.55	3,985.40	10.44	12.72	33.809	471.92	-110.46	370.97	348.42	22.55	16.451	
4,200.00	4,192.07	4,149.28	4,078.75	10.76	13.16	34.099	500.30	-115.90	392.08	368.82	23.26	16.854	
4,300.00	4,291.54	4,247.01	4,172.11	11.08	13.60	34.359	528.69	-121.34	413.20	389.22	23.98	17.229	
4,400.00	4,391.02	4,344.74	4,265.47	11.41	14.04	34.594	557.07	-126.78	434.33	409.62	24.71	17.576	
4,500.00	4,490.49	4,442.46	4,358.82	11.75	14.49	34.807	585.46	-132.23	455.47	430.02	25.45	17.900	
4,600.00	4,589.96	4,540.19	4,452.18	12.09	14.94	35.001	613.84	-137.67	476.61	450.42	26.18	18.202	
4,700.00	4,689.43	4,637.92	4,545.54	12.43	15.39	35.179	642.22	-143.11	497.75	470.82	26.93	18.483	
4,800.00	4,788.91	4,735.65	4,638.89	12.78	15.85	35.342	670.61	-148.55	518.90	491.22	27.68	18.747	
4,900.00	4,888.38	4,833.37	4,732.25	13.13	16.31	35.492	698.99	-153.99	540.05	511.62	28.43	18.993	
5,000.00	4,987.85	4,931.10	4,825.61	13.48	16.77	35.632	727.38	-159.43	561.21	532.02	29.19	19.225	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - 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 Toolface	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor	Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset		+N/-S	+E/-W	Between Centres	Between Ellipses			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
5,100.00	5,087.33	5,028.83	4,918.96	13.84	17.23	35.761	755.76	-164.87	582.37	552.42	29.95	19.442	
5,200.00	5,186.80	5,126.56	5,012.32	14.20	17.70	35.880	784.14	-170.31	603.53	572.81	30.72	19.646	
5,300.00	5,286.27	5,224.28	5,105.68	14.56	18.16	35.992	812.53	-175.75	624.70	593.21	31.49	19.838	
5,400.00	5,385.74	5,322.01	5,199.03	14.92	18.63	36.097	840.91	-181.20	645.86	613.60	32.26	20.019	
5,500.00	5,485.22	5,419.74	5,292.39	15.29	19.10	36.195	869.30	-186.64	667.03	633.99	33.04	20.190	
5,600.00	5,584.69	5,517.47	5,385.75	15.66	19.58	36.286	897.68	-192.08	688.20	654.39	33.81	20.352	
5,700.00	5,684.16	5,615.20	5,479.10	16.02	20.05	36.373	926.06	-197.52	709.37	674.78	34.60	20.505	
5,800.00	5,783.63	5,712.92	5,572.46	16.40	20.53	36.454	954.45	-202.96	730.55	695.17	35.38	20.650	
5,900.00	5,883.11	5,810.65	5,665.82	16.77	21.00	36.531	982.83	-208.40	751.72	715.56	36.16	20.787	
6,000.00	5,982.58	5,908.38	5,759.17	17.14	21.48	36.603	1,011.22	-213.84	772.90	735.95	36.95	20.917	
6,100.00	6,082.05	6,006.11	5,852.53	17.52	21.96	36.672	1,039.60	-219.28	794.07	756.33	37.74	21.041	
6,200.00	6,181.53	6,103.83	5,945.89	17.89	22.44	36.737	1,067.98	-224.72	815.25	776.72	38.53	21.159	
6,300.00	6,281.00	6,201.56	6,039.24	18.27	22.92	36.799	1,096.37	-230.17	836.43	797.11	39.32	21.271	
6,400.00	6,380.47	6,299.29	6,132.60	18.65	23.40	36.858	1,124.75	-235.61	857.61	817.49	40.12	21.378	
6,500.00	6,479.94	6,397.02	6,225.96	19.03	23.88	36.914	1,153.14	-241.05	878.79	837.88	40.91	21.480	
6,600.00	6,579.42	6,494.74	6,319.31	19.41	24.37	36.967	1,181.52	-246.49	899.97	858.26	41.71	21.577	
6,700.00	6,678.89	6,592.47	6,412.67	19.79	24.85	37.018	1,209.90	-251.93	921.15	878.64	42.51	21.670	
6,800.00	6,778.36	6,716.80	6,531.77	20.17	25.45	37.093	1,244.90	-258.64	941.55	898.05	43.50	21.644	
6,900.00	6,877.84	6,863.19	6,673.75	20.54	26.18	37.283	1,279.90	-265.35	957.56	912.99	44.57	21.482	
7,000.00	6,977.54	7,011.33	6,819.08	20.93	26.89	37.542	1,308.02	-270.74	970.48	924.93	45.55	21.304	
7,100.00	7,077.44	7,160.78	6,966.99	21.27	27.55	37.668	1,328.88	-274.74	981.09	934.73	46.36	21.164	
7,200.00	7,177.43	7,311.31	7,116.89	21.38	28.16	-0.129	1,342.20	-277.29	989.22	942.38	46.84	21.120	
7,300.00	7,277.43	7,462.73	7,268.19	21.43	28.57	-0.190	1,347.78	-278.36	992.91	945.92	46.99	21.132	
7,400.00	7,377.43	7,573.57	7,379.02	21.48	28.68	-0.192	1,347.95	-278.39	993.02	945.94	47.08	21.093	
7,500.00	7,477.43	7,673.57	7,479.02	21.54	28.73	-0.192	1,347.95	-278.39	993.02	945.83	47.19	21.042	
7,600.00	7,577.43	7,773.57	7,579.02	21.59	28.77	-0.192	1,347.95	-278.39	993.02	945.72	47.30	20.995	
7,700.00	7,677.43	7,873.57	7,679.02	21.65	28.81	-0.192	1,347.95	-278.39	993.02	945.62	47.40	20.948	
7,800.00	7,777.43	7,973.57	7,779.02	21.70	28.86	-0.192	1,347.95	-278.39	993.02	945.51	47.51	20.901	
7,900.00	7,877.43	8,073.57	7,879.02	21.75	28.90	-0.192	1,347.95	-278.39	993.02	945.41	47.62	20.855	
8,000.00	7,977.43	8,173.57	7,979.02	21.81	28.94	-0.192	1,347.95	-278.39	993.02	945.30	47.72	20.808	
8,100.00	8,077.43	8,273.57	8,079.02	21.86	28.98	-0.192	1,347.95	-278.39	993.02	945.19	47.83	20.761	
8,200.00	8,177.43	8,373.57	8,179.02	21.92	29.03	-0.192	1,347.95	-278.39	993.02	945.08	47.94	20.715	
8,300.00	8,277.43	8,473.57	8,279.02	21.97	29.07	-0.192	1,347.95	-278.39	993.02	944.98	48.05	20.668	
8,400.00	8,377.43	8,573.57	8,379.02	22.03	29.11	-0.192	1,347.95	-278.39	993.02	944.87	48.15	20.622	
8,500.00	8,477.43	8,673.57	8,479.02	22.08	29.16	-0.192	1,347.95	-278.39	993.02	944.76	48.26	20.576	
8,600.00	8,577.43	8,773.57	8,579.02	22.14	29.20	-0.192	1,347.95	-278.39	993.02	944.65	48.37	20.530	
8,700.00	8,677.43	8,873.57	8,679.02	22.20	29.24	-0.192	1,347.95	-278.39	993.02	944.54	48.48	20.483	
8,800.00	8,777.43	8,973.57	8,779.02	22.25	29.29	-0.192	1,347.95	-278.39	993.02	944.44	48.59	20.438	
8,900.00	8,877.43	9,063.14	8,868.32	22.31	29.28	0.141	1,348.37	-272.61	993.50	944.81	48.69	20.404	
9,000.00	8,977.43	9,150.00	8,953.04	22.36	29.26	1.220	1,349.74	-253.88	995.37	946.67	48.70	20.440	
9,100.00	9,077.43	9,226.20	9,024.29	22.42	29.26	2.755	1,351.69	-227.10	999.41	950.71	48.70	20.522	
9,200.00	9,177.43	9,300.00	9,089.32	22.48	29.27	4.729	1,354.22	-192.40	1,006.70	958.06	48.64	20.695	
9,300.00	9,277.43	9,350.00	9,130.59	22.53	29.29	6.314	1,356.27	-164.28	1,018.32	969.60	48.73	20.899	
9,400.00	9,377.43	9,400.00	9,169.25	22.59	29.32	8.075	1,358.57	-132.67	1,035.17	986.44	48.73	21.242	
9,500.00	9,477.43	9,450.00	9,204.99	22.65	29.37	9.990	1,361.11	-97.83	1,057.78	1,009.11	48.67	21.732	
9,600.00	9,577.43	9,500.00	9,237.56	22.70	29.44	12.032	1,363.87	-60.01	1,086.65	1,038.07	48.57	22.372	
9,700.00	9,677.21	9,526.24	9,253.29	22.62	29.49	-74.092	1,365.40	-39.07	1,120.47	1,071.86	48.60	23.053	
9,800.00	9,774.71	9,562.79	9,273.57	22.45	29.56	-69.276	1,367.61	-8.75	1,155.65	1,106.86	48.79	23.686	
9,900.00	9,866.95	9,600.00	9,292.19	22.28	29.66	-64.848	1,369.95	23.38	1,190.21	1,141.04	49.17	24.206	
10,000.00	9,951.15	9,650.00	9,313.83	22.13	29.81	-60.744	1,373.23	68.31	1,222.67	1,172.96	49.71	24.594	
10,100.00	10,024.73	9,679.52	9,324.73	22.05	29.92	-57.704	1,375.22	95.66	1,251.47	1,201.00	50.47	24.798	
10,200.00	10,085.48	9,719.84	9,337.32	22.07	30.08	-55.162	1,378.01	133.87	1,275.85	1,224.48	51.37	24.837	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	10,131.54	9,750.00	9,344.96	22.26	30.22	-53.357	1,380.13	162.96	1,295.05	1,242.64	52.41	24.710	
10,400.00	10,161.50	9,800.00	9,354.20	22.65	30.47	-52.140	1,383.70	211.95	1,308.20	1,254.56	53.64	24.389	
10,418.85	10,165.27	9,800.00	9,354.20	22.76	30.47	-51.990	1,383.70	211.95	1,310.09	1,256.22	53.86	24.323	
10,500.00	10,174.47	9,850.00	9,359.13	23.24	30.75	-51.641	1,387.32	261.56	1,315.30	1,260.30	55.01	23.912	
10,520.95	10,175.28	9,850.00	9,359.13	23.40	30.75	-51.626	1,387.32	261.56	1,316.11	1,260.85	55.26	23.816	
10,600.00	10,175.00	9,889.29	9,360.00	24.01	31.00	-51.688	1,390.16	300.73	1,319.04	1,262.66	56.38	23.397	
10,622.68	10,175.00	9,924.76	9,360.00	24.22	31.25	-51.746	1,392.43	336.13	1,320.12	1,263.28	56.84	23.225	
10,700.00	10,175.00	10,046.00	9,360.00	24.94	32.19	-51.856	1,396.86	457.28	1,322.17	1,263.73	58.44	22.626	
10,731.48	10,175.00	10,095.41	9,360.00	25.28	32.60	-51.861	1,397.19	506.69	1,322.26	1,263.16	59.10	22.372	
10,800.00	10,175.00	10,158.96	9,360.00	26.01	33.20	-51.862	1,397.41	570.24	1,322.28	1,261.86	60.42	21.884	
10,900.00	10,175.00	10,258.96	9,360.00	27.21	34.20	-51.862	1,397.70	670.24	1,322.28	1,259.80	62.48	21.163	
10,929.37	10,175.00	10,288.33	9,360.00	27.59	34.51	-51.862	1,397.79	699.60	1,322.28	1,259.17	63.11	20.953	
11,000.00	10,175.00	10,358.96	9,360.00	28.51	35.30	-51.862	1,398.00	770.24	1,322.28	1,257.63	64.65	20.452	
11,029.37	10,175.00	10,388.33	9,360.00	28.92	35.63	-51.862	1,398.08	799.60	1,322.28	1,256.97	65.31	20.246	
11,100.00	10,175.00	10,458.96	9,360.00	29.91	36.48	-51.862	1,398.29	870.23	1,322.28	1,255.35	66.93	19.757	
11,129.37	10,175.00	10,488.33	9,360.00	30.35	36.84	-51.862	1,398.37	899.60	1,322.28	1,254.66	67.61	19.556	
11,200.00	10,175.00	10,558.96	9,360.00	31.39	37.74	-51.862	1,398.58	970.23	1,322.28	1,252.98	69.29	19.082	
11,229.37	10,175.00	10,588.33	9,360.00	31.85	38.12	-51.862	1,398.67	999.60	1,322.28	1,252.27	70.01	18.888	
11,300.00	10,175.00	10,658.96	9,360.00	32.94	39.06	-51.862	1,398.87	1,070.23	1,322.28	1,250.53	71.75	18.430	
11,329.37	10,175.00	10,688.33	9,360.00	33.42	39.46	-51.862	1,398.96	1,099.60	1,322.28	1,249.80	72.48	18.243	
11,400.00	10,175.00	10,758.96	9,360.00	34.55	40.45	-51.862	1,399.17	1,170.23	1,322.28	1,248.00	74.27	17.803	
11,429.37	10,175.00	10,788.33	9,360.00	35.04	40.87	-51.862	1,399.25	1,199.60	1,322.28	1,247.25	75.03	17.624	
11,500.00	10,175.00	10,858.96	9,360.00	36.21	41.90	-51.862	1,399.46	1,270.23	1,322.28	1,245.41	76.87	17.202	
11,529.37	10,175.00	10,888.33	9,360.00	36.71	42.33	-51.862	1,399.54	1,299.60	1,322.28	1,244.64	77.64	17.031	
11,600.00	10,175.00	10,958.96	9,360.00	37.91	43.39	-51.862	1,399.75	1,370.23	1,322.28	1,242.76	79.52	16.628	
11,629.37	10,175.00	10,988.33	9,360.00	38.42	43.84	-51.862	1,399.84	1,399.60	1,322.28	1,241.96	80.31	16.464	
11,700.00	10,175.00	11,058.96	9,360.00	39.65	44.93	-51.862	1,400.04	1,470.23	1,322.28	1,240.05	82.23	16.080	
11,729.37	10,175.00	11,088.33	9,360.00	40.17	45.39	-51.862	1,400.13	1,499.60	1,322.28	1,239.24	83.04	15.924	
11,800.00	10,175.00	11,158.96	9,360.00	41.42	46.51	-51.862	1,400.34	1,570.23	1,322.28	1,237.29	84.99	15.558	
11,829.37	10,175.00	11,188.33	9,360.00	41.95	46.98	-51.862	1,400.42	1,599.60	1,322.28	1,236.47	85.81	15.409	
11,900.00	10,175.00	11,258.96	9,360.00	43.22	48.13	-51.862	1,400.63	1,670.23	1,322.28	1,234.48	87.80	15.061	
11,929.37	10,175.00	11,288.33	9,360.00	43.76	48.61	-51.862	1,400.71	1,699.60	1,322.28	1,233.65	88.63	14.919	
12,000.00	10,175.00	11,358.96	9,360.00	45.05	49.78	-51.862	1,400.92	1,770.23	1,322.28	1,231.64	90.64	14.588	
12,029.37	10,175.00	11,388.33	9,360.00	45.59	50.27	-51.862	1,401.01	1,799.60	1,322.28	1,230.79	91.48	14.454	
12,100.00	10,175.00	11,458.96	9,360.00	46.89	51.47	-51.862	1,401.21	1,870.23	1,322.28	1,228.75	93.52	14.138	
12,129.37	10,175.00	11,488.33	9,360.00	47.44	51.96	-51.862	1,401.30	1,899.60	1,322.28	1,227.90	94.38	14.011	
12,200.00	10,175.00	11,558.96	9,360.00	48.76	53.18	-51.862	1,401.51	1,970.23	1,322.28	1,225.84	96.44	13.711	
12,229.37	10,175.00	11,588.33	9,360.00	49.31	53.68	-51.862	1,401.59	1,999.60	1,322.28	1,224.98	97.30	13.589	
12,300.00	10,175.00	11,658.96	9,360.00	50.64	54.91	-51.862	1,401.80	2,070.23	1,322.28	1,222.89	99.39	13.304	
12,329.37	10,175.00	11,688.33	9,360.00	51.19	55.42	-51.862	1,401.88	2,099.60	1,322.28	1,222.02	100.26	13.189	
12,400.00	10,175.00	11,758.96	9,360.00	52.53	56.67	-51.862	1,402.09	2,170.23	1,322.28	1,219.92	102.36	12.918	
12,429.37	10,175.00	11,788.33	9,360.00	53.09	57.19	-51.862	1,402.18	2,199.60	1,322.28	1,219.04	103.24	12.808	
12,500.00	10,175.00	11,858.96	9,360.00	54.44	58.44	-51.862	1,402.38	2,270.23	1,322.28	1,216.92	105.36	12.550	
12,529.37	10,175.00	11,888.33	9,360.00	55.00	58.97	-51.862	1,402.47	2,299.60	1,322.28	1,216.03	106.25	12.445	
12,600.00	10,175.00	11,958.96	9,360.00	56.36	60.24	-51.862	1,402.68	2,370.23	1,322.28	1,213.89	108.39	12.200	
12,629.37	10,175.00	11,988.33	9,360.00	56.93	60.77	-51.862	1,402.76	2,399.60	1,322.28	1,213.00	109.28	12.100	
12,700.00	10,175.00	12,058.96	9,360.00	58.29	62.05	-51.862	1,402.97	2,470.23	1,322.28	1,210.85	111.43	11.866	
12,729.37	10,175.00	12,088.33	9,360.00	58.86	62.59	-51.862	1,403.05	2,499.60	1,322.28	1,209.95	112.33	11.771	
12,800.00	10,175.00	12,158.96	9,360.00	60.23	63.88	-51.862	1,403.26	2,570.23	1,322.28	1,207.78	114.50	11.548	
12,829.37	10,175.00	12,188.33	9,360.00	60.80	64.42	-51.862	1,403.35	2,599.60	1,322.28	1,206.88	115.40	11.458	
12,900.00	10,175.00	12,258.96	9,360.00	62.18	65.73	-51.862	1,403.55	2,670.23	1,322.28	1,204.70	117.58	11.246	
12,929.37	10,175.00	12,288.33	9,360.00	62.75	66.27	-51.862	1,403.64	2,699.59	1,322.28	1,203.79	118.49	11.159	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - 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)		
13,000.00	10,175.00	12,358.96	9,360.00	64.13	67.58	-51.862	1,403.85	2,770.23	1,322.28	1,201.59	120.68	10.957	
13,029.37	10,175.00	12,388.33	9,360.00	64.71	68.13	-51.862	1,403.93	2,799.59	1,322.28	1,200.68	121.60	10.874	
13,100.00	10,175.00	12,458.96	9,360.00	66.10	69.45	-51.862	1,404.14	2,870.23	1,322.28	1,198.48	123.80	10.681	
13,129.37	10,175.00	12,488.33	9,360.00	66.68	70.00	-51.862	1,404.22	2,899.59	1,322.28	1,197.56	124.72	10.602	
13,200.00	10,175.00	12,558.96	9,360.00	68.07	71.33	-51.862	1,404.43	2,970.23	1,322.28	1,195.35	126.93	10.417	
13,229.37	10,175.00	12,588.33	9,360.00	68.65	71.88	-51.862	1,404.52	2,999.59	1,322.28	1,194.42	127.85	10.342	
13,300.00	10,175.00	12,658.96	9,360.00	70.04	73.22	-51.862	1,404.72	3,070.23	1,322.28	1,192.20	130.08	10.165	
13,329.37	10,175.00	12,688.33	9,360.00	70.63	73.78	-51.862	1,404.81	3,099.59	1,322.28	1,191.27	131.00	10.093	
13,400.00	10,175.00	12,758.96	9,360.00	72.03	75.12	-51.862	1,405.02	3,170.23	1,322.28	1,189.04	133.24	9.924	
13,429.37	10,175.00	12,788.33	9,360.00	72.61	75.68	-51.862	1,405.10	3,199.59	1,322.28	1,188.11	134.16	9.856	
13,500.00	10,175.00	12,858.96	9,360.00	74.01	77.03	-51.862	1,405.31	3,270.22	1,322.28	1,185.87	136.40	9.694	
13,529.37	10,175.00	12,888.33	9,360.00	74.60	77.59	-51.862	1,405.39	3,299.59	1,322.28	1,184.94	137.34	9.628	
13,600.00	10,175.00	12,958.96	9,360.00	76.00	78.94	-51.862	1,405.60	3,370.22	1,322.28	1,182.69	139.58	9.473	
13,629.37	10,175.00	12,988.33	9,360.00	76.59	79.51	-51.862	1,405.69	3,399.59	1,322.28	1,181.76	140.52	9.410	
13,700.00	10,175.00	13,058.96	9,360.00	78.00	80.87	-51.862	1,405.89	3,470.22	1,322.28	1,179.50	142.78	9.261	
13,729.37	10,175.00	13,088.33	9,360.00	78.58	81.43	-51.862	1,405.98	3,499.59	1,322.28	1,178.56	143.71	9.201	
13,800.00	10,175.00	13,158.96	9,360.00	80.00	82.80	-51.862	1,406.19	3,570.22	1,322.28	1,176.30	145.98	9.058	
13,829.37	10,175.00	13,188.33	9,360.00	80.58	83.36	-51.862	1,406.27	3,599.59	1,322.28	1,175.36	146.92	9.000	
13,900.00	10,175.00	13,258.96	9,360.00	82.00	84.73	-51.862	1,406.48	3,670.22	1,322.28	1,173.09	149.18	8.863	
13,929.37	10,175.00	13,288.33	9,360.00	82.59	85.30	-51.862	1,406.56	3,699.59	1,322.28	1,172.15	150.13	8.808	
14,000.00	10,175.00	13,358.96	9,360.00	84.00	86.68	-51.862	1,406.77	3,770.22	1,322.28	1,169.87	152.40	8.676	
14,029.37	10,175.00	13,388.33	9,360.00	84.59	87.25	-51.862	1,406.86	3,799.59	1,322.28	1,168.93	153.35	8.623	
14,100.00	10,175.00	13,458.96	9,360.00	86.01	88.63	-51.862	1,407.06	3,870.22	1,322.28	1,166.65	155.63	8.496	
14,129.37	10,175.00	13,488.33	9,360.00	86.60	89.20	-51.862	1,407.15	3,899.59	1,322.28	1,165.70	156.58	8.445	
14,200.00	10,175.00	13,558.96	9,360.00	88.02	90.58	-51.862	1,407.36	3,970.22	1,322.28	1,163.42	158.86	8.324	
14,229.37	10,175.00	13,588.33	9,360.00	88.61	91.16	-51.862	1,407.44	3,999.59	1,322.28	1,162.47	159.81	8.274	
14,300.00	10,175.00	13,658.96	9,360.00	90.04	92.54	-51.862	1,407.65	4,070.22	1,322.28	1,160.18	162.10	8.157	
14,329.37	10,175.00	13,688.33	9,360.00	90.63	93.12	-51.862	1,407.73	4,099.59	1,322.28	1,159.22	163.05	8.110	
14,400.00	10,175.00	13,758.96	9,360.00	92.05	94.51	-51.862	1,407.94	4,170.22	1,322.28	1,156.93	165.35	7.997	
14,429.37	10,175.00	13,788.33	9,360.00	92.65	95.08	-51.862	1,408.03	4,199.59	1,322.28	1,155.98	166.30	7.951	
14,500.00	10,175.00	13,858.96	9,360.00	94.07	96.47	-51.862	1,408.23	4,270.22	1,322.28	1,153.68	168.60	7.843	
14,529.37	10,175.00	13,888.33	9,360.00	94.67	97.05	-51.862	1,408.32	4,299.59	1,322.28	1,152.72	169.55	7.799	
14,600.00	10,175.00	13,958.96	9,360.00	96.09	98.45	-51.862	1,408.53	4,370.22	1,322.28	1,150.42	171.86	7.694	
14,629.37	10,175.00	13,988.33	9,360.00	96.69	99.03	-51.862	1,408.61	4,399.59	1,322.28	1,149.46	172.81	7.651	
14,700.00	10,175.00	14,058.96	9,360.00	98.12	100.42	-51.862	1,408.82	4,470.22	1,322.28	1,147.16	175.12	7.551	
14,729.37	10,175.00	14,088.33	9,360.00	98.71	101.00	-51.862	1,408.90	4,499.59	1,322.28	1,146.20	176.08	7.510	
14,800.00	10,175.00	14,158.96	9,360.00	100.14	102.40	-51.862	1,409.11	4,570.22	1,322.28	1,143.89	178.39	7.412	
14,829.37	10,175.00	14,188.33	9,360.00	100.74	102.99	-51.862	1,409.20	4,599.59	1,322.28	1,142.93	179.35	7.373	
14,900.00	10,175.00	14,258.96	9,360.00	102.17	104.39	-51.862	1,409.40	4,670.22	1,322.28	1,140.61	181.66	7.279	
14,929.37	10,175.00	14,288.33	9,360.00	102.77	104.97	-51.862	1,409.49	4,699.59	1,322.28	1,139.65	182.63	7.240	
15,000.00	10,175.00	14,358.96	9,360.00	104.20	106.38	-51.862	1,409.70	4,770.22	1,322.28	1,137.34	184.94	7.150	
15,029.37	10,175.00	14,388.33	9,360.00	104.79	106.96	-51.862	1,409.78	4,799.59	1,322.28	1,136.37	185.91	7.113	
15,100.00	10,175.00	14,458.96	9,360.00	106.23	108.37	-51.862	1,409.99	4,870.22	1,322.28	1,134.05	188.22	7.025	
15,129.37	10,175.00	14,488.33	9,360.00	106.83	108.95	-51.862	1,410.07	4,899.59	1,322.28	1,133.09	189.19	6.989	
15,200.00	10,175.00	14,558.96	9,360.00	108.26	110.36	-51.862	1,410.28	4,970.22	1,322.28	1,130.77	191.51	6.904	
15,229.37	10,175.00	14,588.33	9,360.00	108.86	110.94	-51.862	1,410.37	4,999.58	1,322.28	1,129.80	192.48	6.870	
15,300.00	10,175.00	14,658.96	9,360.00	110.29	112.36	-51.862	1,410.57	5,070.22	1,322.28	1,127.47	194.80	6.788	
15,329.37	10,175.00	14,688.33	9,360.00	110.89	112.94	-51.862	1,410.66	5,099.58	1,322.28	1,126.51	195.77	6.754	
15,400.00	10,175.00	14,758.96	9,360.00	112.33	114.35	-51.862	1,410.87	5,170.22	1,322.28	1,124.18	198.10	6.675	
15,429.37	10,175.00	14,788.33	9,360.00	112.93	114.94	-51.862	1,410.95	5,199.58	1,322.28	1,123.21	199.07	6.642	
15,500.00	10,175.00	14,858.96	9,360.00	114.36	116.36	-51.862	1,411.16	5,270.22	1,322.28	1,120.88	201.40	6.566	
15,529.37	10,175.00	14,888.33	9,360.00	114.96	116.94	-51.862	1,411.24	5,299.58	1,322.28	1,119.91	202.37	6.534	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - 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)		
15,600.00	10,175.00	14,958.96	9,360.00	116.40	118.36	-51.862	1,411.45	5,370.22	1,322.28	1,117.58	204.70	6.460	
15,629.37	10,175.00	14,988.33	9,360.00	117.00	118.95	-51.862	1,411.54	5,399.58	1,322.28	1,116.61	205.67	6.429	
15,700.00	10,175.00	15,058.96	9,360.00	118.44	120.36	-51.862	1,411.74	5,470.22	1,322.28	1,114.27	208.00	6.357	
15,729.37	10,175.00	15,088.33	9,360.00	119.04	120.95	-51.862	1,411.83	5,499.58	1,322.28	1,113.30	208.97	6.327	
15,800.00	10,175.00	15,158.96	9,360.00	120.48	122.37	-51.862	1,412.03	5,570.21	1,322.28	1,110.97	211.31	6.257	
15,829.37	10,175.00	15,188.33	9,360.00	121.08	122.96	-51.862	1,412.12	5,599.58	1,322.28	1,109.99	212.28	6.229	
15,900.00	10,175.00	15,258.96	9,360.00	122.52	124.38	-51.862	1,412.33	5,670.21	1,322.28	1,107.65	214.62	6.161	
15,929.37	10,175.00	15,288.33	9,360.00	123.12	124.97	-51.862	1,412.41	5,699.58	1,322.28	1,106.68	215.60	6.133	
16,000.00	10,175.00	15,358.96	9,360.00	124.56	126.39	-51.862	1,412.62	5,770.21	1,322.28	1,104.34	217.94	6.067	
16,029.37	10,175.00	15,388.33	9,360.00	125.16	126.99	-51.862	1,412.71	5,799.58	1,322.28	1,103.37	218.91	6.040	
16,100.00	10,175.00	15,458.96	9,360.00	126.60	128.41	-51.862	1,412.91	5,870.21	1,322.28	1,101.02	221.25	5.976	
16,129.37	10,175.00	15,488.33	9,360.00	127.20	129.00	-51.862	1,413.00	5,899.58	1,322.28	1,100.05	222.23	5.950	
16,200.00	10,175.00	15,558.96	9,360.00	128.65	130.42	-51.862	1,413.20	5,970.21	1,322.28	1,097.70	224.57	5.888	
16,229.37	10,175.00	15,588.33	9,360.00	129.25	131.02	-51.862	1,413.29	5,999.58	1,322.28	1,096.73	225.55	5.862	
16,300.00	10,175.00	15,658.96	9,360.00	130.69	132.44	-51.862	1,413.50	6,070.21	1,322.28	1,094.38	227.89	5.802	
16,329.37	10,175.00	15,688.33	9,360.00	131.29	133.03	-51.862	1,413.58	6,099.58	1,322.28	1,093.41	228.87	5.777	
16,400.00	10,175.00	15,758.96	9,360.00	132.74	134.46	-51.862	1,413.79	6,170.21	1,322.28	1,091.06	231.22	5.719	
16,429.37	10,175.00	15,788.33	9,360.00	133.34	135.05	-51.862	1,413.88	6,199.58	1,322.28	1,090.08	232.20	5.695	
16,500.00	10,175.00	15,858.96	9,360.00	134.78	136.48	-51.862	1,414.08	6,270.21	1,322.28	1,087.73	234.55	5.638	
16,529.37	10,175.00	15,888.33	9,360.00	135.38	137.07	-51.862	1,414.17	6,299.58	1,322.28	1,086.75	235.52	5.614	
16,600.00	10,175.00	15,958.96	9,360.00	136.83	138.50	-51.862	1,414.37	6,370.21	1,322.28	1,084.40	237.87	5.559	
16,629.37	10,175.00	15,988.33	9,360.00	137.43	139.10	-51.862	1,414.46	6,399.58	1,322.28	1,083.42	238.85	5.536	
16,700.00	10,175.00	16,058.96	9,360.00	138.87	140.52	-51.862	1,414.67	6,470.21	1,322.28	1,081.07	241.21	5.482	
16,729.37	10,175.00	16,088.33	9,360.00	139.48	141.12	-51.862	1,414.75	6,499.58	1,322.28	1,080.09	242.18	5.460	
16,800.00	10,175.00	16,158.96	9,360.00	140.92	142.55	-51.862	1,414.96	6,570.21	1,322.28	1,077.74	244.54	5.407	
16,829.37	10,175.00	16,188.33	9,360.00	141.52	143.14	-51.862	1,415.05	6,599.58	1,322.28	1,076.76	245.52	5.386	
16,900.00	10,175.00	16,258.96	9,360.00	142.97	144.57	-51.862	1,415.25	6,670.21	1,322.28	1,074.40	247.87	5.335	
16,929.37	10,175.00	16,288.33	9,360.00	143.57	145.17	-51.862	1,415.34	6,699.58	1,322.28	1,073.42	248.85	5.314	
17,000.00	10,175.00	16,358.96	9,360.00	145.02	146.60	-51.862	1,415.54	6,770.21	1,322.28	1,071.07	251.21	5.264	
17,029.37	10,175.00	16,388.33	9,360.00	145.62	147.20	-51.862	1,415.63	6,799.58	1,322.28	1,070.09	252.19	5.243	
17,100.00	10,175.00	16,458.96	9,360.00	147.07	148.63	-51.862	1,415.84	6,870.21	1,322.28	1,067.73	254.55	5.195	
17,129.37	10,175.00	16,488.33	9,360.00	147.67	149.23	-51.862	1,415.92	6,899.58	1,322.28	1,066.75	255.53	5.175	
17,200.00	10,175.00	16,558.96	9,360.00	149.12	150.66	-51.862	1,416.13	6,970.21	1,322.28	1,064.39	257.89	5.127	
17,229.37	10,175.00	16,588.33	9,360.00	149.72	151.26	-51.862	1,416.22	6,999.58	1,322.28	1,063.41	258.87	5.108	
17,300.00	10,175.00	16,658.96	9,360.00	151.17	152.69	-51.862	1,416.42	7,070.21	1,322.28	1,061.05	261.23	5.062	
17,329.37	10,175.00	16,688.33	9,360.00	151.77	153.29	-51.862	1,416.51	7,099.58	1,322.28	1,060.07	262.21	5.043	
17,400.00	10,175.00	16,758.96	9,360.00	153.22	154.72	-51.862	1,416.71	7,170.21	1,322.28	1,057.70	264.57	4.998	
17,429.37	10,175.00	16,788.33	9,360.00	153.82	155.32	-51.862	1,416.80	7,199.58	1,322.28	1,056.72	265.55	4.979	
17,500.00	10,175.00	16,858.96	9,360.00	155.27	156.75	-51.862	1,417.01	7,270.21	1,322.28	1,054.36	267.92	4.935	
17,529.37	10,175.00	16,888.33	9,360.00	155.88	157.35	-51.862	1,417.09	7,299.58	1,322.28	1,053.38	268.90	4.917	
17,600.00	10,175.00	16,958.96	9,360.00	157.32	158.79	-51.862	1,417.30	7,370.21	1,322.28	1,051.01	271.26	4.875	
17,629.37	10,175.00	16,988.33	9,360.00	157.93	159.38	-51.862	1,417.39	7,399.57	1,322.28	1,050.03	272.25	4.857	
17,700.00	10,175.00	17,058.96	9,360.00	159.38	160.82	-51.862	1,417.59	7,470.21	1,322.28	1,047.67	274.61	4.815	
17,729.37	10,175.00	17,088.33	9,360.00	159.98	161.42	-51.862	1,417.68	7,499.57	1,322.28	1,046.68	275.59	4.798	
17,800.00	10,175.00	17,158.96	9,360.00	161.43	162.86	-51.862	1,417.88	7,570.21	1,322.28	1,044.32	277.96	4.757	
17,829.37	10,175.00	17,188.33	9,360.00	162.03	163.45	-51.862	1,417.97	7,599.57	1,322.28	1,043.33	278.94	4.740	
17,900.00	10,175.00	17,258.96	9,360.00	163.48	164.89	-51.862	1,418.18	7,670.21	1,322.28	1,040.97	281.31	4.700	
17,929.37	10,175.00	17,288.33	9,360.00	164.09	165.49	-51.862	1,418.26	7,699.57	1,322.28	1,039.98	282.29	4.684	
18,000.00	10,175.00	17,358.96	9,360.00	165.54	166.93	-51.862	1,418.47	7,770.21	1,322.28	1,037.61	284.66	4.645	
18,029.37	10,175.00	17,388.33	9,360.00	166.14	167.53	-51.862	1,418.56	7,799.57	1,322.28	1,036.63	285.65	4.629	
18,100.00	10,175.00	17,458.96	9,360.00	167.59	168.97	-51.862	1,418.76	7,870.21	1,322.28	1,034.26	288.01	4.591	
18,129.37	10,175.00	17,488.33	9,360.00	168.20	169.57	-51.862	1,418.85	7,899.57	1,322.28	1,033.28	289.00	4.575	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - 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)		
18,200.00	10,175.00	17,558.96	9,360.00	169.65	171.01	-51.862	1,419.05	7,970.20	1,322.28	1,030.91	291.37	4.538	
18,229.37	10,175.00	17,588.33	9,360.00	170.25	171.61	-51.862	1,419.14	7,999.57	1,322.28	1,029.92	292.35	4.523	
18,300.00	10,175.00	17,658.96	9,360.00	171.70	173.05	-51.862	1,419.35	8,070.20	1,322.28	1,027.55	294.72	4.486	
18,329.37	10,175.00	17,688.33	9,360.00	172.31	173.64	-51.862	1,419.43	8,099.57	1,322.28	1,026.57	295.71	4.472	
18,400.00	10,175.00	17,758.96	9,360.00	173.76	175.09	-51.862	1,419.64	8,170.20	1,322.28	1,024.20	298.08	4.436	
18,429.37	10,175.00	17,788.33	9,360.00	174.36	175.68	-51.862	1,419.73	8,199.57	1,322.28	1,023.21	299.07	4.421	
18,500.00	10,175.00	17,858.96	9,360.00	175.81	177.13	-51.862	1,419.93	8,270.20	1,322.28	1,020.84	301.44	4.387	
18,529.37	10,175.00	17,888.33	9,360.00	176.42	177.73	-51.862	1,420.02	8,299.57	1,322.28	1,019.85	302.42	4.372	
18,600.00	10,175.00	17,958.96	9,360.00	177.87	179.17	-51.862	1,420.22	8,370.20	1,322.28	1,017.48	304.80	4.338	
18,629.37	10,175.00	17,988.33	9,360.00	178.47	179.77	-51.862	1,420.31	8,399.57	1,322.28	1,016.49	305.78	4.324	
18,700.00	10,175.00	18,058.96	9,360.00	179.93	181.21	-51.862	1,420.52	8,470.20	1,322.28	1,014.12	308.15	4.291	
18,729.37	10,175.00	18,088.33	9,360.00	180.53	181.81	-51.862	1,420.60	8,499.57	1,322.28	1,013.13	309.14	4.277	
18,800.00	10,175.00	18,158.96	9,360.00	181.98	183.25	-51.862	1,420.81	8,570.20	1,322.28	1,010.76	311.51	4.245	
18,829.37	10,175.00	18,188.33	9,360.00	182.59	183.85	-51.862	1,420.90	8,599.57	1,322.28	1,009.77	312.50	4.231	
18,900.00	10,175.00	18,258.96	9,360.00	184.04	185.30	-51.862	1,421.10	8,670.20	1,322.28	1,007.40	314.88	4.199	
18,929.37	10,175.00	18,288.33	9,360.00	184.64	185.90	-51.862	1,421.19	8,699.57	1,322.28	1,006.41	315.86	4.186	
19,000.00	10,175.00	18,358.96	9,360.00	186.10	187.34	-51.862	1,421.39	8,770.20	1,322.28	1,004.04	318.24	4.155	
19,029.37	10,175.00	18,388.33	9,360.00	186.70	187.94	-51.862	1,421.48	8,799.57	1,322.28	1,003.05	319.23	4.142	
19,100.00	10,175.00	18,458.96	9,360.00	188.15	189.38	-51.862	1,421.69	8,870.20	1,322.28	1,000.67	321.60	4.112	
19,129.37	10,175.00	18,488.33	9,360.00	188.76	189.98	-51.862	1,421.77	8,899.57	1,322.28	999.69	322.59	4.099	
19,200.00	10,175.00	18,558.96	9,360.00	190.21	191.43	-51.862	1,421.98	8,970.20	1,322.28	997.31	324.97	4.069	
19,229.37	10,175.00	18,588.33	9,360.00	190.82	192.03	-51.862	1,422.07	8,999.57	1,322.28	996.32	325.95	4.057	
19,300.00	10,175.00	18,658.96	9,360.00	192.27	193.47	-51.862	1,422.27	9,070.20	1,322.28	993.95	328.33	4.027	
19,329.37	10,175.00	18,688.33	9,360.00	192.87	194.08	-51.862	1,422.36	9,099.57	1,322.28	992.96	329.32	4.015	
19,400.00	10,175.00	18,758.96	9,360.00	194.33	195.52	-51.862	1,422.56	9,170.20	1,322.28	990.58	331.70	3.986	
19,429.37	10,175.00	18,788.33	9,360.00	194.93	196.12	-51.862	1,422.65	9,199.57	1,322.28	989.59	332.68	3.975	
19,500.00	10,175.00	18,858.96	9,360.00	196.39	197.57	-51.862	1,422.86	9,270.20	1,322.28	987.21	335.06	3.946	
19,529.37	10,175.00	18,888.33	9,360.00	196.99	198.17	-51.862	1,422.94	9,299.57	1,322.28	986.23	336.05	3.935	
19,600.00	10,175.00	18,958.96	9,360.00	198.45	199.61	-51.862	1,423.15	9,370.20	1,322.28	983.85	338.43	3.907	
19,629.37	10,175.00	18,988.33	9,360.00	199.05	200.22	-51.862	1,423.24	9,399.57	1,322.28	982.86	339.42	3.896	
19,700.00	10,175.00	19,058.96	9,360.00	200.50	201.66	-51.862	1,423.44	9,470.20	1,322.28	980.48	341.80	3.869	
19,729.37	10,175.00	19,088.33	9,360.00	201.11	202.26	-51.862	1,423.53	9,499.57	1,322.28	979.49	342.79	3.857	
19,800.00	10,175.00	19,158.96	9,360.00	202.56	203.71	-51.862	1,423.73	9,570.20	1,322.28	977.11	345.16	3.831	
19,829.37	10,175.00	19,188.33	9,360.00	203.17	204.31	-51.862	1,423.82	9,599.57	1,322.28	976.12	346.15	3.820	
19,900.00	10,175.00	19,258.96	9,360.00	204.62	205.76	-51.862	1,424.03	9,670.20	1,322.28	973.74	348.53	3.794	
19,929.37	10,175.00	19,288.33	9,360.00	205.23	206.36	-51.862	1,424.11	9,699.56	1,322.28	972.75	349.52	3.783	
20,000.00	10,175.00	19,358.96	9,360.00	206.68	207.81	-51.862	1,424.32	9,770.20	1,322.28	970.37	351.90	3.757	
20,029.37	10,175.00	19,388.33	9,360.00	207.29	208.41	-51.862	1,424.41	9,799.56	1,322.28	969.38	352.89	3.747	
20,100.00	10,175.00	19,458.96	9,360.00	208.74	209.86	-51.862	1,424.61	9,870.20	1,322.28	967.00	355.27	3.722	
20,129.37	10,175.00	19,488.33	9,360.00	209.35	210.46	-51.862	1,424.70	9,899.56	1,322.28	966.01	356.26	3.712	
20,200.00	10,175.00	19,558.96	9,360.00	210.80	211.91	-51.862	1,424.90	9,970.20	1,322.28	963.63	358.64	3.687	
20,229.37	10,175.00	19,588.33	9,360.00	211.41	212.51	-51.862	1,424.99	9,999.56	1,322.28	962.64	359.63	3.677	
20,300.00	10,175.00	19,658.96	9,360.00	212.86	213.96	-51.862	1,425.20	10,070.20	1,322.28	960.26	362.02	3.653	
20,329.37	10,175.00	19,688.33	9,360.00	213.47	214.56	-51.862	1,425.28	10,099.56	1,322.28	959.27	363.01	3.643	
20,400.00	10,175.00	19,758.96	9,360.00	214.92	216.01	-51.862	1,425.49	10,170.20	1,322.28	956.89	365.39	3.619	
20,429.37	10,175.00	19,788.33	9,360.00	215.53	216.61	-51.862	1,425.58	10,199.56	1,322.28	955.90	366.38	3.609	
20,500.00	10,175.00	19,858.96	9,360.00	216.98	218.06	-51.862	1,425.78	10,270.19	1,322.28	953.51	368.76	3.586	
20,529.37	10,175.00	19,888.33	9,360.00	217.59	218.66	-51.862	1,425.87	10,299.56	1,322.28	952.52	369.75	3.576	
20,600.00	10,175.00	19,958.96	9,360.00	219.05	220.11	-51.862	1,426.07	10,370.19	1,322.28	950.14	372.13	3.553	
20,629.37	10,175.00	19,988.33	9,360.00	219.65	220.71	-51.862	1,426.16	10,399.56	1,322.28	949.15	373.13	3.544	
20,700.00	10,175.00	20,058.96	9,360.00	221.11	222.16	-51.862	1,426.37	10,470.19	1,322.28	946.77	375.51	3.521	
20,729.37	10,175.00	20,088.33	9,360.00	221.71	222.76	-51.862	1,426.45	10,499.56	1,322.28	945.78	376.50	3.512	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - 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)		
20,800.00	10,175.00	20,158.96	9,360.00	223.17	224.21	-51.862	1,426.66	10,570.19	1,322.28	943.39	378.88	3.490	
20,829.37	10,175.00	20,188.33	9,360.00	223.77	224.81	-51.862	1,426.74	10,599.56	1,322.28	942.40	379.87	3.481	
20,900.00	10,175.00	20,258.96	9,360.00	225.23	226.26	-51.862	1,426.95	10,670.19	1,322.28	940.02	382.26	3.459	
20,929.37	10,175.00	20,288.33	9,360.00	225.83	226.87	-51.862	1,427.04	10,699.56	1,322.28	939.03	383.25	3.450	
21,000.00	10,175.00	20,358.96	9,360.00	227.29	228.32	-51.862	1,427.24	10,770.19	1,322.28	936.64	385.63	3.429	
21,029.37	10,175.00	20,388.33	9,360.00	227.90	228.92	-51.862	1,427.33	10,799.56	1,322.28	935.65	386.63	3.420	
21,100.00	10,175.00	20,458.96	9,360.00	229.35	230.37	-51.862	1,427.54	10,870.19	1,322.28	933.27	389.01	3.399	
21,129.37	10,175.00	20,488.33	9,360.00	229.96	230.97	-51.862	1,427.62	10,899.56	1,322.28	932.27	390.00	3.390	
21,200.00	10,175.00	20,558.96	9,360.00	231.41	232.42	-51.862	1,427.83	10,970.19	1,322.28	929.89	392.39	3.370	
21,229.37	10,175.00	20,588.33	9,360.00	232.02	233.02	-51.862	1,427.91	10,999.56	1,322.28	928.90	393.38	3.361	
21,300.00	10,175.00	20,658.96	9,360.00	233.48	234.47	-51.862	1,428.12	11,070.19	1,322.28	926.51	395.76	3.341	
21,329.37	10,175.00	20,688.33	9,360.00	234.08	235.08	-51.862	1,428.21	11,099.56	1,322.28	925.52	396.75	3.333	
21,400.00	10,175.00	20,758.96	9,360.00	235.54	236.53	-51.862	1,428.41	11,170.19	1,322.28	923.13	399.14	3.313	
21,429.37	10,175.00	20,788.33	9,360.00	236.14	237.13	-51.862	1,428.50	11,199.56	1,322.28	922.14	400.13	3.305	
21,500.00	10,175.00	20,858.96	9,360.00	237.60	238.58	-51.862	1,428.71	11,270.19	1,322.28	919.76	402.52	3.285	
21,529.37	10,175.00	20,888.33	9,360.00	238.21	239.19	-51.862	1,428.79	11,299.56	1,322.28	918.76	403.51	3.277	
21,600.00	10,175.00	20,958.96	9,360.00	239.66	240.64	-51.862	1,429.00	11,370.19	1,322.28	916.38	405.90	3.258	
21,629.37	10,175.00	20,988.33	9,360.00	240.27	241.24	-51.862	1,429.08	11,399.56	1,322.28	915.39	406.89	3.250	
21,700.00	10,175.00	21,058.96	9,360.00	241.73	242.69	-51.862	1,429.29	11,470.19	1,322.28	913.00	409.28	3.231	
21,729.37	10,175.00	21,088.33	9,360.00	242.33	243.29	-51.862	1,429.38	11,499.56	1,322.28	912.01	410.27	3.223	
21,800.00	10,175.00	21,158.96	9,360.00	243.79	244.75	-51.862	1,429.58	11,570.19	1,322.28	909.62	412.65	3.204	
21,829.37	10,175.00	21,188.33	9,360.00	244.39	245.35	-51.862	1,429.67	11,599.56	1,322.28	908.63	413.65	3.197	
21,900.00	10,175.00	21,258.96	9,360.00	245.85	246.80	-51.862	1,429.88	11,670.19	1,322.28	906.24	416.03	3.178	
21,929.37	10,175.00	21,288.33	9,360.00	246.46	247.40	-51.862	1,429.96	11,699.56	1,322.28	905.25	417.03	3.171	
22,000.00	10,175.00	21,358.96	9,360.00	247.91	248.86	-51.862	1,430.17	11,770.19	1,322.28	902.86	419.41	3.153	
22,029.37	10,175.00	21,388.33	9,360.00	248.52	249.46	-51.862	1,430.25	11,799.56	1,322.28	901.87	420.41	3.145	
22,100.00	10,175.00	21,458.96	9,360.00	249.98	250.91	-51.862	1,430.46	11,870.19	1,322.28	899.48	422.79	3.127	
22,129.37	10,175.00	21,488.33	9,360.00	250.58	251.52	-51.862	1,430.55	11,899.56	1,322.28	898.49	423.79	3.120	
22,200.00	10,175.00	21,558.96	9,360.00	252.04	252.97	-51.862	1,430.75	11,970.19	1,322.28	896.10	426.17	3.103	
22,229.37	10,175.00	21,588.33	9,360.00	252.65	253.57	-51.862	1,430.84	11,999.56	1,322.28	895.11	427.17	3.095	
22,300.00	10,175.00	21,658.96	9,360.00	254.10	255.02	-51.862	1,431.05	12,070.19	1,322.27	892.72	429.56	3.078	
22,329.37	10,175.00	21,688.33	9,360.00	254.71	255.63	-51.862	1,431.13	12,099.55	1,322.27	891.73	430.55	3.071	
22,400.00	10,175.00	21,758.96	9,360.00	256.17	257.08	-51.862	1,431.34	12,170.19	1,322.27	889.34	432.94	3.054	
22,429.37	10,175.00	21,788.33	9,360.00	256.77	257.68	-51.862	1,431.42	12,199.55	1,322.27	888.34	433.93	3.047	
22,500.00	10,175.00	21,858.96	9,360.00	258.23	259.14	-51.862	1,431.63	12,270.19	1,322.27	885.96	436.32	3.031	
22,529.37	10,175.00	21,888.33	9,360.00	258.84	259.74	-51.862	1,431.72	12,299.55	1,322.27	884.96	437.31	3.024	
22,600.00	10,175.00	21,958.96	9,360.00	260.29	261.19	-51.862	1,431.92	12,370.19	1,322.27	882.57	439.70	3.007	
22,629.37	10,175.00	21,988.33	9,360.00	260.90	261.80	-51.862	1,432.01	12,399.55	1,322.27	881.58	440.69	3.000	
22,700.00	10,175.00	22,058.96	9,360.00	262.36	263.25	-51.861	1,432.22	12,470.19	1,322.27	879.19	443.08	2.984	
22,729.37	10,175.00	22,088.33	9,360.00	262.96	263.85	-51.861	1,432.30	12,499.55	1,322.27	878.20	444.08	2.978	
22,800.00	10,175.00	22,158.96	9,360.00	264.42	265.31	-51.861	1,432.51	12,570.19	1,322.27	875.81	446.47	2.962	
22,829.37	10,175.00	22,188.33	9,360.00	265.03	265.91	-51.861	1,432.59	12,599.55	1,322.27	874.82	447.46	2.955	
22,900.00	10,175.00	22,258.96	9,360.00	266.48	267.36	-51.861	1,432.80	12,670.18	1,322.27	872.43	449.85	2.939	
22,929.37	10,175.00	22,288.33	9,360.00	267.09	267.97	-51.861	1,432.89	12,699.55	1,322.27	871.43	450.84	2.933	
23,000.00	10,175.00	22,358.96	9,360.00	268.55	269.42	-51.861	1,433.09	12,770.18	1,322.27	869.04	453.23	2.917	
23,029.37	10,175.00	22,388.33	9,360.00	269.15	270.03	-51.861	1,433.18	12,799.55	1,322.27	868.05	454.23	2.911	
23,100.00	10,175.00	22,458.96	9,360.00	270.61	271.48	-51.861	1,433.39	12,870.18	1,322.27	865.66	456.62	2.896	
23,129.37	10,175.00	22,488.33	9,360.00	271.22	272.08	-51.861	1,433.47	12,899.55	1,322.27	864.66	457.61	2.890	
23,200.00	10,175.00	22,558.96	9,360.00	272.68	273.54	-51.861	1,433.68	12,970.18	1,322.27	862.27	460.00	2.875	
23,229.37	10,175.00	22,588.33	9,360.00	273.28	274.14	-51.861	1,433.76	12,999.55	1,322.27	861.28	460.99	2.868	
23,300.00	10,175.00	22,658.96	9,360.00	274.74	275.59	-51.861	1,433.97	13,070.18	1,322.27	858.89	463.38	2.854	
23,329.37	10,175.00	22,688.33	9,360.00	275.35	276.20	-51.861	1,434.06	13,099.55	1,322.27	857.90	464.38	2.847	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design:	Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - 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 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)	Minimum Separation (usft)			
23,400.00	10,175.00	22,758.96	9,360.00	276.80	277.65	-51.861	1,434.26	13,170.18	1,322.27	855.51	466.77	2.833		
23,429.37	10,175.00	22,788.33	9,360.00	277.41	278.26	-51.861	1,434.35	13,199.55	1,322.27	854.51	467.76	2.827		
23,500.00	10,175.00	22,858.96	9,360.00	278.87	279.71	-51.861	1,434.56	13,270.18	1,322.27	852.12	470.15	2.812		
23,529.37	10,175.00	22,888.33	9,360.00	279.48	280.32	-51.861	1,434.64	13,299.55	1,322.27	851.13	471.15	2.806		
23,569.04	10,175.00	22,928.00	9,360.00	280.29	281.13	-51.861	1,434.76	13,339.22	1,322.27	849.78	472.49	2.799		
23,573.59	10,175.00	22,928.71	9,360.00	280.39	281.15	-51.861	1,434.76	13,339.93	1,322.28	849.68	472.60	2.798		

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - 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	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	-59.259	132.16	-222.22	258.55				
100.00	100.00	98.86	98.86	0.79	0.78	-59.259	132.16	-222.22	258.55	256.99	1.56	165.489	
200.00	200.00	198.86	198.86	1.45	1.44	-59.259	132.16	-222.22	258.55	255.67	2.88	89.629	
300.00	300.00	298.86	298.86	1.89	1.89	-59.259	132.16	-222.22	258.55	254.77	3.78	68.430	
400.00	400.00	398.86	398.86	2.25	2.25	-59.259	132.16	-222.22	258.55	254.05	4.50	57.414	
500.00	500.00	498.86	498.86	2.57	2.56	-59.259	132.16	-222.22	258.55	253.42	5.13	50.382	
600.00	600.00	598.86	598.86	2.85	2.85	-59.259	132.16	-222.22	258.55	252.85	5.70	45.392	
700.00	700.00	698.86	698.86	3.11	3.11	-59.259	132.16	-222.22	258.55	252.34	6.21	41.612	
800.00	800.00	798.86	798.86	3.35	3.35	-59.259	132.16	-222.22	258.55	251.85	6.69	38.619	
900.00	900.00	898.86	898.86	3.58	3.57	-59.259	132.16	-222.22	258.55	251.40	7.15	36.172	
1,000.00	1,000.00	998.86	998.86	3.79	3.79	-59.259	132.16	-222.22	258.55	250.97	7.58	34.123	
1,100.00	1,100.00	1,098.86	1,098.86	3.99	3.99	-59.259	132.16	-222.22	258.55	250.56	7.99	32.373	
1,200.00	1,200.00	1,198.86	1,198.86	4.19	4.19	-59.259	132.16	-222.22	258.55	250.17	8.38	30.855	
1,300.00	1,300.00	1,298.86	1,298.86	4.38	4.38	-59.259	132.16	-222.22	258.55	249.79	8.76	29.523	
1,400.00	1,400.00	1,398.86	1,398.86	4.56	4.56	-59.259	132.16	-222.22	258.55	249.43	9.12	28.340	
1,500.00	1,500.00	1,498.86	1,498.86	4.74	4.74	-59.259	132.16	-222.22	258.55	249.07	9.48	27.281	
1,600.00	1,600.00	1,598.86	1,598.86	4.91	4.91	-59.259	132.16	-222.22	258.55	248.73	9.82	26.325	
1,700.00	1,700.00	1,698.86	1,698.86	5.08	5.08	-59.259	132.16	-222.22	258.55	248.39	10.16	25.457	
1,800.00	1,800.00	1,798.86	1,798.86	5.24	5.24	-59.259	132.16	-222.22	258.55	248.07	10.48	24.663	
1,900.00	1,900.00	1,898.86	1,898.86	5.40	5.40	-59.259	132.16	-222.22	258.55	247.75	10.80	23.934	
2,000.00	2,000.00	1,998.86	1,998.86	5.56	5.56	-59.259	132.16	-222.22	258.55	247.43	11.12	23.260 CC	
2,100.00	2,100.00	2,093.08	2,093.06	5.71	5.78	-59.016	133.64	-222.55	259.65	248.20	11.45	22.680	
2,200.00	2,200.00	2,187.03	2,186.90	5.86	6.02	-58.288	138.12	-223.53	263.04	251.26	11.78	22.331	
2,300.00	2,300.00	2,280.58	2,280.13	6.01	6.26	-57.119	145.57	-225.18	268.78	256.67	12.11	22.195	
2,400.00	2,400.00	2,373.53	2,372.47	6.16	6.52	-55.572	155.91	-227.46	277.02	264.57	12.45	22.258	
2,500.00	2,500.00	2,465.70	2,463.65	6.30	6.79	-53.727	169.04	-230.35	287.88	275.09	12.79	22.508	
2,600.00	2,599.98	2,557.17	2,553.66	6.51	7.06	-13.908	184.90	-233.85	299.85	286.65	13.20	22.712	
2,700.00	2,699.84	2,653.06	2,647.55	6.74	7.36	-11.796	203.91	-238.04	310.84	297.16	13.68	22.715	
2,800.00	2,799.45	2,752.17	2,744.56	6.95	7.67	-9.869	223.76	-242.42	319.00	304.81	14.19	22.481	
2,900.00	2,898.93	2,851.43	2,841.71	7.26	7.96	-8.104	243.64	-246.80	325.96	311.17	14.79	22.043	
3,000.00	2,998.40	2,950.69	2,938.86	7.46	8.27	-6.414	263.52	-251.18	333.22	317.93	15.29	21.795	
3,100.00	3,097.87	3,049.94	3,036.01	7.67	8.59	-4.796	283.40	-255.57	340.76	324.93	15.83	21.531	
3,200.00	3,197.34	3,149.20	3,133.15	7.90	8.92	-3.249	303.28	-259.95	348.56	332.16	16.40	21.259	
3,300.00	3,296.82	3,248.46	3,230.30	8.14	9.27	-1.771	323.16	-264.33	356.60	339.61	16.99	20.983	
3,400.00	3,396.29	3,347.72	3,327.45	8.39	9.63	-0.358	343.04	-268.72	364.87	347.25	17.62	20.708	
3,500.00	3,495.76	3,446.98	3,424.60	8.66	10.00	0.993	362.92	-273.10	373.35	355.08	18.27	20.437	
3,600.00	3,595.23	3,546.24	3,521.75	8.93	10.37	2.283	382.80	-277.48	382.03	363.09	18.94	20.173	
3,700.00	3,694.71	3,645.50	3,618.90	9.22	10.76	3.515	402.68	-281.87	390.90	371.27	19.62	19.918	
3,800.00	3,794.18	3,744.76	3,716.05	9.51	11.15	4.693	422.56	-286.25	399.93	379.61	20.33	19.674	
3,900.00	3,893.65	3,844.02	3,813.20	9.81	11.54	5.818	442.44	-290.63	409.13	388.09	21.04	19.441	
4,000.00	3,993.13	3,943.28	3,910.35	10.12	11.94	6.894	462.32	-295.02	418.48	396.71	21.77	19.220	
4,100.00	4,092.60	4,042.54	4,007.50	10.44	12.35	7.923	482.20	-299.40	427.97	405.46	22.51	19.011	
4,200.00	4,192.07	4,141.80	4,104.65	10.76	12.76	8.907	502.07	-303.78	437.59	414.33	23.26	18.813	
4,300.00	4,291.54	4,241.05	4,201.80	11.08	13.18	9.849	521.95	-308.17	447.34	423.32	24.01	18.628	
4,400.00	4,391.02	4,340.31	4,298.95	11.41	13.59	10.750	541.83	-312.55	457.20	432.42	24.78	18.453	
4,500.00	4,490.49	4,439.57	4,396.09	11.75	14.02	11.614	561.71	-316.93	467.17	441.62	25.54	18.290	
4,600.00	4,589.96	4,538.83	4,493.24	12.09	14.44	12.441	581.59	-321.32	477.24	450.92	26.31	18.136	
4,700.00	4,689.43	4,638.09	4,590.39	12.43	14.87	13.234	601.47	-325.70	487.40	460.31	27.09	17.992	
4,800.00	4,788.91	4,737.35	4,687.54	12.78	15.30	13.995	621.35	-330.08	497.65	469.79	27.87	17.858	
4,900.00	4,888.38	4,836.61	4,784.69	13.13	15.73	14.725	641.23	-334.47	507.99	479.34	28.65	17.732	
5,000.00	4,987.85	4,935.87	4,881.84	13.48	16.17	15.426	661.11	-338.85	518.40	488.97	29.43	17.614	
5,100.00	5,087.33	5,035.13	4,978.99	13.84	16.60	16.099	680.99	-343.23	528.89	498.68	30.22	17.504	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - 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	5,186.80	5,134.39	5,076.14	14.20	17.04	16.747	700.87	-347.62	539.45	508.45	31.00	17.401	
5,300.00	5,286.27	5,233.65	5,173.29	14.56	17.48	17.369	720.75	-352.00	550.08	518.29	31.79	17.305	
5,400.00	5,385.74	5,332.91	5,270.44	14.92	17.92	17.968	740.63	-356.38	560.76	528.19	32.58	17.214	
5,500.00	5,485.22	5,432.16	5,367.59	15.29	18.37	18.544	760.51	-360.77	571.51	538.14	33.36	17.130	
5,600.00	5,584.69	5,531.42	5,464.74	15.66	18.81	19.099	780.39	-365.15	582.31	548.16	34.15	17.050	
5,700.00	5,684.16	5,630.68	5,561.88	16.02	19.26	19.634	800.27	-369.53	593.16	558.22	34.94	16.976	
5,800.00	5,783.63	5,729.94	5,659.03	16.40	19.70	20.150	820.15	-373.92	604.06	568.33	35.73	16.906	
5,900.00	5,883.11	5,829.20	5,756.18	16.77	20.15	20.647	840.03	-378.30	615.01	578.49	36.52	16.841	
6,000.00	5,982.58	5,928.46	5,853.33	17.14	20.60	21.127	859.91	-382.68	626.00	588.70	37.31	16.780	
6,100.00	6,082.05	6,027.72	5,950.48	17.52	21.05	21.591	879.79	-387.06	637.04	598.94	38.10	16.722	
6,200.00	6,181.53	6,126.98	6,047.63	17.89	21.50	22.039	899.67	-391.45	648.11	609.23	38.88	16.668	
6,300.00	6,281.00	6,226.24	6,144.78	18.27	21.95	22.471	919.55	-395.83	659.23	619.56	39.67	16.618	
6,400.00	6,380.47	6,325.50	6,241.93	18.65	22.41	22.890	939.43	-400.21	670.38	629.92	40.46	16.570	
6,500.00	6,479.94	6,424.76	6,339.08	19.03	22.86	23.294	959.31	-404.60	681.56	640.31	41.24	16.525	
6,600.00	6,579.42	6,524.02	6,436.23	19.41	23.31	23.686	979.19	-408.98	692.77	650.74	42.03	16.483	
6,700.00	6,678.89	6,623.27	6,533.38	19.79	23.76	24.065	999.07	-413.36	704.02	661.21	42.81	16.445	
6,800.00	6,778.36	6,745.64	6,653.44	20.17	24.31	24.515	1,022.14	-418.45	714.17	670.44	43.73	16.332	
6,900.00	6,877.84	6,878.69	6,784.95	20.54	24.91	24.991	1,041.68	-422.76	720.02	675.39	44.63	16.133	
7,000.00	6,977.54	7,012.22	6,917.74	20.93	25.47	25.373	1,055.28	-425.76	723.44	678.01	45.44	15.922	
7,100.00	7,077.44	7,146.02	7,051.31	21.27	25.95	25.583	1,062.83	-427.42	725.36	679.31	46.05	15.751	
7,200.00	7,177.43	7,271.02	7,176.29	21.38	26.18	-12.147	1,064.49	-427.79	725.80	679.59	46.22	15.704	
7,300.00	7,277.43	7,371.02	7,276.29	21.43	26.22	-12.147	1,064.49	-427.79	725.80	679.49	46.31	15.671	
7,400.00	7,377.43	7,471.02	7,376.29	21.48	26.27	-12.147	1,064.49	-427.79	725.80	679.39	46.42	15.637	
7,500.00	7,477.43	7,571.02	7,476.29	21.54	26.31	-12.147	1,064.49	-427.79	725.80	679.28	46.52	15.602	
7,600.00	7,577.43	7,671.02	7,576.29	21.59	26.36	-12.147	1,064.49	-427.79	725.80	679.18	46.63	15.567	
7,700.00	7,677.43	7,771.02	7,676.29	21.65	26.40	-12.147	1,064.49	-427.79	725.80	679.07	46.73	15.532	
7,800.00	7,777.43	7,871.02	7,776.29	21.70	26.45	-12.147	1,064.49	-427.79	725.80	678.97	46.83	15.497	
7,900.00	7,877.43	7,971.02	7,876.29	21.75	26.50	-12.147	1,064.49	-427.79	725.80	678.86	46.94	15.462	
8,000.00	7,977.43	8,071.02	7,976.29	21.81	26.54	-12.147	1,064.49	-427.79	725.80	678.76	47.05	15.428	
8,100.00	8,077.43	8,171.02	8,076.29	21.86	26.59	-12.147	1,064.49	-427.79	725.80	678.65	47.15	15.393	
8,200.00	8,177.43	8,271.02	8,176.29	21.92	26.64	-12.147	1,064.49	-427.79	725.80	678.55	47.26	15.359	
8,300.00	8,277.43	8,371.02	8,276.29	21.97	26.68	-12.147	1,064.49	-427.79	725.80	678.44	47.36	15.324	
8,400.00	8,377.43	8,471.02	8,376.29	22.03	26.73	-12.147	1,064.49	-427.79	725.80	678.33	47.47	15.290	
8,500.00	8,477.43	8,571.02	8,476.29	22.08	26.78	-12.147	1,064.49	-427.79	725.80	678.23	47.58	15.255	
8,600.00	8,577.43	8,671.02	8,576.29	22.14	26.83	-12.147	1,064.49	-427.79	725.80	678.12	47.69	15.221	
8,700.00	8,677.43	8,771.02	8,676.29	22.20	26.87	-12.147	1,064.49	-427.79	725.80	678.01	47.79	15.186	
8,800.00	8,777.43	8,871.02	8,776.29	22.25	26.92	-12.147	1,064.49	-427.79	725.80	677.90	47.90	15.152	
8,900.00	8,877.43	8,971.02	8,876.29	22.31	26.97	-12.147	1,064.49	-427.79	725.80	677.79	48.01	15.118	
9,000.00	8,977.43	9,071.02	8,976.29	22.36	27.02	-12.147	1,064.49	-427.79	725.80	677.68	48.12	15.084	
9,100.00	9,077.43	9,171.02	9,076.29	22.42	27.07	-12.147	1,064.49	-427.79	725.80	677.58	48.23	15.050	
9,200.00	9,177.43	9,271.02	9,176.29	22.48	27.12	-12.147	1,064.49	-427.79	725.80	677.47	48.34	15.016	
9,300.00	9,277.43	9,371.02	9,276.29	22.53	27.16	-12.147	1,064.49	-427.79	725.80	677.36	48.45	14.982	
9,400.00	9,377.43	9,471.02	9,376.29	22.59	27.21	-12.147	1,064.49	-427.79	725.80	677.25	48.56	14.948	
9,500.00	9,477.43	9,571.02	9,476.29	22.65	27.26	-12.147	1,064.49	-427.79	725.80	677.14	48.67	14.914	
9,600.00	9,577.43	9,671.02	9,576.29	22.70	27.32	-12.147	1,064.49	-427.79	725.80	677.02	48.78	14.879	
9,700.00	9,677.21	9,797.36	9,702.11	22.62	27.30	-101.848	1,064.51	-418.98	725.48	676.95	48.53	14.948	
9,800.00	9,774.71	9,931.14	9,829.93	22.45	27.24	-101.229	1,064.63	-380.52	724.00	675.96	48.04	15.070	
9,900.00	9,866.95	10,061.06	9,942.28	22.28	27.21	-100.159	1,064.81	-315.83	721.58	674.01	47.57	15.168	
10,000.00	9,951.15	10,185.65	10,033.72	22.13	27.28	-98.724	1,065.06	-231.57	718.64	671.35	47.29	15.197	
10,100.00	10,024.73	10,304.20	10,101.91	22.05	27.49	-97.017	1,065.34	-134.86	715.65	668.31	47.34	15.116	
10,200.00	10,085.48	10,416.59	10,146.90	22.07	27.87	-95.128	1,065.64	-32.06	713.04	665.17	47.87	14.896	
10,300.00	10,131.54	10,523.16	10,170.28	22.26	28.41	-93.130	1,065.95	71.76	711.13	662.24	48.90	14.544	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - 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		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)		
10,400.00	10,161.50	10,623.79	10,175.00	22.65	29.08	-91.153	1,066.24	172.18	710.15	659.75	50.40	14.091	
10,436.65	10,168.26	10,659.80	10,175.00	22.86	29.35	-90.628	1,066.35	208.20	710.04	659.00	51.04	13.912	
10,500.00	10,174.47	10,722.81	10,175.00	23.24	29.85	-90.135	1,066.53	271.21	710.00	657.90	52.10	13.627	
10,552.26	10,176.13	10,775.05	10,175.00	23.64	30.31	-90.001	1,066.68	323.44	710.00	656.94	53.06	13.381	
10,600.00	10,175.00	10,822.81	10,175.00	24.01	30.76	-90.092	1,066.82	371.20	710.00	656.08	53.92	13.167	
10,600.01	10,175.00	10,822.81	10,175.00	24.01	30.76	-90.092	1,066.82	371.21	710.00	656.08	53.92	13.167	
10,700.00	10,175.00	10,922.81	10,175.00	24.94	31.77	-90.092	1,067.12	471.20	710.00	654.00	55.99	12.680	
10,700.01	10,175.00	10,922.81	10,175.00	24.94	31.77	-90.092	1,067.12	471.21	710.00	654.00	55.99	12.680	
10,800.00	10,175.00	11,022.81	10,175.00	26.01	32.88	-90.092	1,067.41	571.20	710.00	651.71	58.29	12.181	
10,800.01	10,175.00	11,022.81	10,175.00	26.01	32.88	-90.092	1,067.41	571.21	710.00	651.71	58.29	12.181	
10,900.00	10,175.00	11,122.81	10,175.00	27.21	34.08	-90.092	1,067.70	671.20	710.00	649.22	60.78	11.681	
10,900.01	10,175.00	11,122.81	10,175.00	27.21	34.08	-90.092	1,067.70	671.21	710.00	649.22	60.78	11.681	
11,000.00	10,175.00	11,222.81	10,175.00	28.51	35.37	-90.092	1,067.99	771.20	710.00	646.55	63.45	11.190	
11,000.01	10,175.00	11,222.81	10,175.00	28.51	35.37	-90.092	1,067.99	771.21	710.00	646.55	63.45	11.190	
11,100.00	10,175.00	11,322.81	10,175.00	29.91	36.72	-90.092	1,068.29	871.20	710.00	643.73	66.27	10.714	
11,100.01	10,175.00	11,322.81	10,175.00	29.91	36.72	-90.092	1,068.29	871.21	710.00	643.73	66.27	10.714	
11,200.00	10,175.00	11,422.81	10,175.00	31.39	38.14	-90.092	1,068.58	971.20	710.00	640.78	69.22	10.257	
11,200.01	10,175.00	11,422.81	10,175.00	31.39	38.14	-90.092	1,068.58	971.21	710.00	640.78	69.22	10.257	
11,300.00	10,175.00	11,522.81	10,175.00	32.94	39.61	-90.092	1,068.87	1,071.20	710.00	637.71	72.29	9.822	
11,300.01	10,175.00	11,522.81	10,175.00	32.94	39.61	-90.092	1,068.87	1,071.21	710.00	637.71	72.29	9.822	
11,400.00	10,175.00	11,622.81	10,175.00	34.55	41.14	-90.092	1,069.16	1,171.20	710.00	634.54	75.46	9.409	
11,400.01	10,175.00	11,622.81	10,175.00	34.55	41.14	-90.092	1,069.16	1,171.21	710.00	634.54	75.46	9.409	
11,500.00	10,175.00	11,722.81	10,175.00	36.21	42.71	-90.092	1,069.46	1,271.20	710.00	631.28	78.72	9.019	
11,500.01	10,175.00	11,722.81	10,175.00	36.21	42.71	-90.092	1,069.46	1,271.21	710.00	631.28	78.72	9.019	
11,600.00	10,175.00	11,822.81	10,175.00	37.91	44.33	-90.092	1,069.75	1,371.20	710.00	627.94	82.06	8.652	
11,600.01	10,175.00	11,822.81	10,175.00	37.91	44.33	-90.092	1,069.75	1,371.20	710.00	627.94	82.06	8.652	
11,700.00	10,175.00	11,922.81	10,175.00	39.65	45.98	-90.092	1,070.04	1,471.20	710.00	624.53	85.47	8.307	
11,700.01	10,175.00	11,922.81	10,175.00	39.65	45.98	-90.092	1,070.04	1,471.21	710.00	624.53	85.47	8.307	
11,800.00	10,175.00	12,022.81	10,175.00	41.42	47.66	-90.092	1,070.33	1,571.20	710.00	621.06	88.94	7.983	
11,800.01	10,175.00	12,022.81	10,175.00	41.42	47.66	-90.092	1,070.33	1,571.20	710.00	621.06	88.94	7.983	
11,900.00	10,175.00	12,122.81	10,175.00	43.22	49.37	-90.092	1,070.63	1,671.20	710.00	617.53	92.46	7.679	
11,900.01	10,175.00	12,122.81	10,175.00	43.22	49.37	-90.092	1,070.63	1,671.20	710.00	617.53	92.46	7.679	
12,000.00	10,175.00	12,222.81	10,175.00	45.05	51.11	-90.092	1,070.92	1,771.20	710.00	613.96	96.04	7.393	
12,000.01	10,175.00	12,222.81	10,175.00	45.05	51.11	-90.092	1,070.92	1,771.20	710.00	613.96	96.04	7.393	
12,100.00	10,175.00	12,322.81	10,175.00	46.89	52.87	-90.092	1,071.21	1,871.20	710.00	610.34	99.66	7.124	
12,100.01	10,175.00	12,322.81	10,175.00	46.89	52.87	-90.092	1,071.21	1,871.20	710.00	610.34	99.66	7.124	
12,200.00	10,175.00	12,422.81	10,175.00	48.76	54.66	-90.092	1,071.50	1,971.19	710.00	606.69	103.31	6.872	
12,200.01	10,175.00	12,422.81	10,175.00	48.76	54.66	-90.092	1,071.51	1,971.20	710.00	606.69	103.31	6.872	
12,300.00	10,175.00	12,522.81	10,175.00	50.64	56.46	-90.092	1,071.80	2,071.19	710.00	602.99	107.00	6.635	
12,300.01	10,175.00	12,522.81	10,175.00	50.64	56.46	-90.092	1,071.80	2,071.20	710.00	602.99	107.00	6.635	
12,400.00	10,175.00	12,622.81	10,175.00	52.53	58.28	-90.092	1,072.09	2,171.19	710.00	599.27	110.73	6.412	
12,400.01	10,175.00	12,622.81	10,175.00	52.53	58.28	-90.092	1,072.09	2,171.20	710.00	599.27	110.73	6.412	
12,500.00	10,175.00	12,722.81	10,175.00	54.44	60.12	-90.092	1,072.38	2,271.19	710.00	595.52	114.48	6.202	
12,500.01	10,175.00	12,722.81	10,175.00	54.44	60.12	-90.092	1,072.38	2,271.20	710.00	595.52	114.48	6.202	
12,600.00	10,175.00	12,822.81	10,175.00	56.36	61.97	-90.092	1,072.68	2,371.19	710.00	591.74	118.26	6.004	
12,600.01	10,175.00	12,822.81	10,175.00	56.36	61.97	-90.092	1,072.68	2,371.20	710.00	591.74	118.26	6.004	
12,700.00	10,175.00	12,922.81	10,175.00	58.29	63.84	-90.092	1,072.97	2,471.19	710.00	587.94	122.06	5.817	
12,700.01	10,175.00	12,922.81	10,175.00	58.29	63.84	-90.092	1,072.97	2,471.20	710.00	587.94	122.06	5.817	
12,800.00	10,175.00	13,022.81	10,175.00	60.23	65.72	-90.092	1,073.26	2,571.19	710.00	584.12	125.88	5.640	
12,800.01	10,175.00	13,022.81	10,175.00	60.23	65.72	-90.092	1,073.26	2,571.20	710.00	584.12	125.88	5.640	
12,900.00	10,175.00	13,122.81	10,175.00	62.18	67.61	-90.092	1,073.55	2,671.19	710.00	580.28	129.72	5.473	
12,900.01	10,175.00	13,122.81	10,175.00	62.18	67.61	-90.092	1,073.55	2,671.20	710.00	580.28	129.72	5.473	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - 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		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)	
13,000.00	10,175.00	13,222.81	10,175.00	64.13	69.50	-90.092	1,073.85	2,771.19	710.00	576.42	133.58	5.315
13,000.01	10,175.00	13,222.81	10,175.00	64.14	69.50	-90.092	1,073.85	2,771.20	710.00	576.42	133.58	5.315
13,100.00	10,175.00	13,322.81	10,175.00	66.10	71.41	-90.092	1,074.14	2,871.19	710.00	572.54	137.45	5.165
13,100.01	10,175.00	13,322.81	10,175.00	66.10	71.41	-90.092	1,074.14	2,871.20	710.00	572.54	137.45	5.165
13,200.00	10,175.00	13,422.81	10,175.00	68.07	73.33	-90.092	1,074.43	2,971.19	710.00	568.65	141.34	5.023
13,200.01	10,175.00	13,422.81	10,175.00	68.07	73.33	-90.092	1,074.43	2,971.20	710.00	568.65	141.34	5.023
13,300.00	10,175.00	13,522.81	10,175.00	70.04	75.26	-90.092	1,074.72	3,071.19	710.00	564.75	145.25	4.888
13,300.01	10,175.00	13,522.81	10,175.00	70.04	75.26	-90.092	1,074.72	3,071.20	710.00	564.75	145.25	4.888
13,400.00	10,175.00	13,622.81	10,175.00	72.03	77.19	-90.092	1,075.02	3,171.19	710.00	560.84	149.16	4.760
13,400.01	10,175.00	13,622.81	10,175.00	72.03	77.19	-90.092	1,075.02	3,171.20	710.00	560.83	149.16	4.760
13,500.00	10,175.00	13,722.81	10,175.00	74.01	79.13	-90.092	1,075.31	3,271.19	710.00	556.91	153.09	4.638
13,500.01	10,175.00	13,722.81	10,175.00	74.01	79.13	-90.092	1,075.31	3,271.20	710.00	556.91	153.09	4.638
13,600.00	10,175.00	13,822.81	10,175.00	76.00	81.08	-90.092	1,075.60	3,371.19	710.00	552.97	157.03	4.521
13,600.01	10,175.00	13,822.81	10,175.00	76.00	81.08	-90.092	1,075.60	3,371.20	710.00	552.97	157.03	4.521
13,700.00	10,175.00	13,922.81	10,175.00	78.00	83.03	-90.092	1,075.89	3,471.19	710.00	549.02	160.98	4.410
13,700.01	10,175.00	13,922.81	10,175.00	78.00	83.03	-90.092	1,075.89	3,471.20	710.00	549.02	160.98	4.410
13,800.00	10,175.00	14,022.81	10,175.00	80.00	84.99	-90.092	1,076.19	3,571.19	710.00	545.06	164.94	4.305
13,800.01	10,175.00	14,022.81	10,175.00	80.00	84.99	-90.092	1,076.19	3,571.20	710.00	545.06	164.94	4.305
13,900.00	10,175.00	14,122.81	10,175.00	82.00	86.95	-90.092	1,076.48	3,671.19	710.00	541.09	168.90	4.204
13,900.01	10,175.00	14,122.81	10,175.00	82.00	86.95	-90.092	1,076.48	3,671.19	710.00	541.09	168.90	4.204
14,000.00	10,175.00	14,222.81	10,175.00	84.00	88.92	-90.092	1,076.77	3,771.19	710.00	537.12	172.88	4.107
14,000.01	10,175.00	14,222.81	10,175.00	84.00	88.92	-90.092	1,076.77	3,771.19	710.00	537.12	172.88	4.107
14,100.00	10,175.00	14,322.81	10,175.00	86.01	90.89	-90.092	1,077.06	3,871.19	710.00	533.14	176.86	4.014
14,100.01	10,175.00	14,322.81	10,175.00	86.01	90.89	-90.092	1,077.06	3,871.19	710.00	533.14	176.86	4.014
14,200.00	10,175.00	14,422.81	10,175.00	88.02	92.87	-90.092	1,077.36	3,971.19	710.00	529.15	180.85	3.926
14,200.01	10,175.00	14,422.81	10,175.00	88.02	92.87	-90.092	1,077.36	3,971.19	710.00	529.15	180.85	3.926
14,300.00	10,175.00	14,522.81	10,175.00	90.04	94.85	-90.092	1,077.65	4,071.19	710.00	525.15	184.85	3.841
14,300.01	10,175.00	14,522.81	10,175.00	90.04	94.85	-90.092	1,077.65	4,071.19	710.00	525.15	184.85	3.841
14,400.00	10,175.00	14,622.81	10,175.00	92.05	96.83	-90.092	1,077.94	4,171.19	710.00	521.15	188.85	3.760
14,400.01	10,175.00	14,622.81	10,175.00	92.05	96.83	-90.092	1,077.94	4,171.19	710.00	521.15	188.85	3.760
14,500.00	10,175.00	14,722.81	10,175.00	94.07	98.82	-90.092	1,078.23	4,271.19	710.00	517.14	192.86	3.681
14,500.01	10,175.00	14,722.81	10,175.00	94.07	98.82	-90.092	1,078.23	4,271.19	710.00	517.14	192.86	3.681
14,600.00	10,175.00	14,822.81	10,175.00	96.09	100.81	-90.092	1,078.53	4,371.18	710.00	513.13	196.87	3.606
14,600.01	10,175.00	14,822.81	10,175.00	96.09	100.81	-90.092	1,078.53	4,371.19	710.00	513.13	196.87	3.606
14,700.00	10,175.00	14,922.81	10,175.00	98.12	102.81	-90.092	1,078.82	4,471.18	710.00	509.11	200.89	3.534
14,700.01	10,175.00	14,922.81	10,175.00	98.12	102.81	-90.092	1,078.82	4,471.19	710.00	509.11	200.89	3.534
14,800.00	10,175.00	15,022.81	10,175.00	100.14	104.81	-90.092	1,079.11	4,571.18	710.00	505.09	204.91	3.465
14,800.01	10,175.00	15,022.81	10,175.00	100.14	104.81	-90.092	1,079.11	4,571.19	710.00	505.09	204.91	3.465
14,900.00	10,175.00	15,122.81	10,175.00	102.17	106.81	-90.092	1,079.40	4,671.18	710.00	501.06	208.94	3.398
14,900.01	10,175.00	15,122.81	10,175.00	102.17	106.81	-90.092	1,079.40	4,671.19	710.00	501.06	208.94	3.398
15,000.00	10,175.00	15,222.81	10,175.00	104.20	108.81	-90.092	1,079.70	4,771.18	710.00	497.03	212.97	3.334
15,000.01	10,175.00	15,222.81	10,175.00	104.20	108.81	-90.092	1,079.70	4,771.19	710.00	497.03	212.97	3.334
15,100.00	10,175.00	15,322.81	10,175.00	106.23	110.81	-90.092	1,079.99	4,871.18	710.00	492.99	217.01	3.272
15,100.01	10,175.00	15,322.81	10,175.00	106.23	110.81	-90.092	1,079.99	4,871.19	710.00	492.99	217.01	3.272
15,200.00	10,175.00	15,422.81	10,175.00	108.26	112.82	-90.092	1,080.28	4,971.18	710.00	488.95	221.05	3.212
15,200.01	10,175.00	15,422.81	10,175.00	108.26	112.82	-90.092	1,080.28	4,971.19	710.00	488.95	221.05	3.212
15,300.00	10,175.00	15,522.81	10,175.00	110.29	114.83	-90.092	1,080.57	5,071.18	710.00	484.91	225.09	3.154
15,300.01	10,175.00	15,522.81	10,175.00	110.29	114.83	-90.092	1,080.57	5,071.19	710.00	484.91	225.09	3.154
15,400.00	10,175.00	15,622.81	10,175.00	112.33	116.84	-90.092	1,080.87	5,171.18	710.00	480.86	229.14	3.099
15,400.01	10,175.00	15,622.81	10,175.00	112.33	116.84	-90.092	1,080.87	5,171.19	710.00	480.86	229.14	3.099
15,500.00	10,175.00	15,722.81	10,175.00	114.36	118.86	-90.092	1,081.16	5,271.18	710.00	476.81	233.19	3.045
15,500.01	10,175.00	15,722.81	10,175.00	114.36	118.86	-90.092	1,081.16	5,271.19	710.00	476.81	233.19	3.045

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - 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	
15,600.00	10,175.00	15,822.81	10,175.00	116.40	120.87	-90.092	1,081.45	5,371.18	710.00	472.76	237.24	2.993	
15,600.01	10,175.00	15,822.81	10,175.00	116.40	120.87	-90.092	1,081.45	5,371.19	710.00	472.76	237.24	2.993	
15,700.00	10,175.00	15,922.81	10,175.00	118.44	122.89	-90.092	1,081.74	5,471.18	710.00	468.70	241.30	2.942	
15,700.01	10,175.00	15,922.81	10,175.00	118.44	122.89	-90.092	1,081.74	5,471.19	710.00	468.70	241.30	2.942	
15,800.00	10,175.00	16,022.81	10,175.00	120.48	124.91	-90.092	1,082.04	5,571.18	710.00	464.64	245.36	2.894	
15,800.01	10,175.00	16,022.81	10,175.00	120.48	124.91	-90.092	1,082.04	5,571.19	710.00	464.64	245.36	2.894	
15,900.00	10,175.00	16,122.81	10,175.00	122.52	126.93	-90.092	1,082.33	5,671.18	710.00	460.58	249.42	2.847	
15,900.01	10,175.00	16,122.81	10,175.00	122.52	126.93	-90.092	1,082.33	5,671.19	710.00	460.58	249.42	2.847	
16,000.00	10,175.00	16,222.81	10,175.00	124.56	128.95	-90.092	1,082.62	5,771.18	710.00	456.52	253.48	2.801	
16,000.01	10,175.00	16,222.81	10,175.00	124.56	128.95	-90.092	1,082.62	5,771.19	710.00	456.52	253.48	2.801	
16,100.00	10,175.00	16,322.81	10,175.00	126.60	130.98	-90.092	1,082.91	5,871.18	710.00	452.45	257.55	2.757	
16,100.01	10,175.00	16,322.81	10,175.00	126.60	130.98	-90.092	1,082.91	5,871.19	710.00	452.45	257.55	2.757	
16,200.00	10,175.00	16,422.81	10,175.00	128.65	133.00	-90.092	1,083.21	5,971.18	710.00	448.38	261.62	2.714	
16,200.01	10,175.00	16,422.81	10,175.00	128.65	133.00	-90.092	1,083.21	5,971.19	710.00	448.38	261.62	2.714	
16,300.00	10,175.00	16,522.81	10,175.00	130.69	135.03	-90.092	1,083.50	6,071.18	710.00	444.31	265.69	2.672	
16,300.01	10,175.00	16,522.81	10,175.00	130.69	135.03	-90.092	1,083.50	6,071.19	710.00	444.31	265.69	2.672	
16,400.00	10,175.00	16,622.81	10,175.00	132.74	137.06	-90.092	1,083.79	6,171.18	710.00	440.24	269.76	2.632	
16,400.01	10,175.00	16,622.81	10,175.00	132.74	137.06	-90.092	1,083.79	6,171.19	710.00	440.24	269.76	2.632	
16,500.00	10,175.00	16,722.81	10,175.00	134.78	139.09	-90.092	1,084.08	6,271.18	710.00	436.16	273.84	2.593	
16,500.01	10,175.00	16,722.81	10,175.00	134.78	139.09	-90.092	1,084.08	6,271.19	710.00	436.16	273.84	2.593	
16,600.00	10,175.00	16,822.81	10,175.00	136.83	141.12	-90.092	1,084.38	6,371.18	710.00	432.08	277.91	2.555	
16,600.01	10,175.00	16,822.81	10,175.00	136.83	141.12	-90.092	1,084.38	6,371.19	710.00	432.08	277.91	2.555	
16,700.00	10,175.00	16,922.81	10,175.00	138.87	143.15	-90.092	1,084.67	6,471.18	710.00	428.01	281.99	2.518	
16,700.01	10,175.00	16,922.81	10,175.00	138.87	143.15	-90.092	1,084.67	6,471.19	710.00	428.01	281.99	2.518	
16,800.00	10,175.00	17,022.81	10,175.00	140.92	145.18	-90.092	1,084.96	6,571.18	710.00	423.93	286.07	2.482	
16,800.01	10,175.00	17,022.81	10,175.00	140.92	145.18	-90.092	1,084.96	6,571.19	710.00	423.93	286.07	2.482	
16,900.00	10,175.00	17,122.81	10,175.00	142.97	147.22	-90.092	1,085.25	6,671.17	710.00	419.84	290.16	2.447	
16,900.01	10,175.00	17,122.81	10,175.00	142.97	147.22	-90.092	1,085.25	6,671.18	710.00	419.84	290.16	2.447	
17,000.00	10,175.00	17,222.81	10,175.00	145.02	149.25	-90.092	1,085.55	6,771.17	710.00	415.76	294.24	2.413	
17,000.01	10,175.00	17,222.81	10,175.00	145.02	149.25	-90.092	1,085.55	6,771.18	710.00	415.76	294.24	2.413	
17,100.00	10,175.00	17,322.81	10,175.00	147.07	151.29	-90.092	1,085.84	6,871.17	710.00	411.67	298.33	2.380	
17,100.01	10,175.00	17,322.81	10,175.00	147.07	151.29	-90.092	1,085.84	6,871.18	710.00	411.67	298.33	2.380	
17,200.00	10,175.00	17,422.81	10,175.00	149.12	153.32	-90.092	1,086.13	6,971.17	710.00	407.59	302.41	2.348	
17,200.01	10,175.00	17,422.81	10,175.00	149.12	153.32	-90.092	1,086.13	6,971.18	710.00	407.59	302.41	2.348	
17,300.00	10,175.00	17,522.81	10,175.00	151.17	155.36	-90.092	1,086.42	7,071.17	710.00	403.50	306.50	2.316	
17,300.01	10,175.00	17,522.81	10,175.00	151.17	155.36	-90.092	1,086.42	7,071.18	710.00	403.50	306.50	2.316	
17,400.00	10,175.00	17,622.81	10,175.00	153.22	157.40	-90.092	1,086.72	7,171.17	710.00	399.41	310.59	2.286	
17,400.01	10,175.00	17,622.81	10,175.00	153.22	157.40	-90.092	1,086.72	7,171.18	710.00	399.41	310.59	2.286	
17,500.00	10,175.00	17,722.81	10,175.00	155.27	159.44	-90.092	1,087.01	7,271.17	710.00	395.32	314.68	2.256	
17,500.01	10,175.00	17,722.81	10,175.00	155.27	159.44	-90.092	1,087.01	7,271.18	710.00	395.32	314.68	2.256	
17,600.00	10,175.00	17,822.81	10,175.00	157.32	161.48	-90.092	1,087.30	7,371.17	710.00	391.23	318.77	2.227	
17,600.01	10,175.00	17,822.81	10,175.00	157.32	161.48	-90.092	1,087.30	7,371.18	710.00	391.23	318.77	2.227	
17,700.00	10,175.00	17,922.81	10,175.00	159.38	163.52	-90.092	1,087.59	7,471.17	710.00	387.13	322.87	2.199	
17,700.01	10,175.00	17,922.81	10,175.00	159.38	163.52	-90.092	1,087.59	7,471.18	710.00	387.13	322.87	2.199	
17,800.00	10,175.00	18,022.81	10,175.00	161.43	165.56	-90.092	1,087.89	7,571.17	710.00	383.04	326.96	2.172	
17,800.01	10,175.00	18,022.81	10,175.00	161.43	165.56	-90.092	1,087.89	7,571.18	710.00	383.04	326.96	2.172	
17,900.00	10,175.00	18,122.81	10,175.00	163.48	167.60	-90.092	1,088.18	7,671.17	710.00	378.94	331.06	2.145	
17,900.01	10,175.00	18,122.81	10,175.00	163.48	167.60	-90.092	1,088.18	7,671.18	710.00	378.94	331.06	2.145	
18,000.00	10,175.00	18,222.81	10,175.00	165.54	169.65	-90.092	1,088.47	7,771.17	710.00	374.85	335.15	2.118	
18,000.01	10,175.00	18,222.81	10,175.00	165.54	169.65	-90.092	1,088.47	7,771.18	710.00	374.85	335.15	2.118	
18,100.00	10,175.00	18,322.81	10,175.00	167.59	171.69	-90.092	1,088.77	7,871.17	710.00	370.75	339.25	2.093	
18,100.01	10,175.00	18,322.81	10,175.00	167.59	171.69	-90.092	1,088.77	7,871.18	710.00	370.75	339.25	2.093	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - 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	
18,200.00	10,175.00	18,422.81	10,175.00	169.65	173.73	-90.092	1,089.06	7,971.17	710.00	366.65	343.35	2.068	
18,200.01	10,175.00	18,422.81	10,175.00	169.65	173.73	-90.092	1,089.06	7,971.18	710.00	366.65	343.35	2.068	
18,300.00	10,175.00	18,522.81	10,175.00	171.70	175.78	-90.092	1,089.35	8,071.17	710.00	362.55	347.45	2.043	
18,300.01	10,175.00	18,522.81	10,175.00	171.70	175.78	-90.092	1,089.35	8,071.18	710.00	362.55	347.45	2.043	
18,400.00	10,175.00	18,622.81	10,175.00	173.76	177.82	-90.092	1,089.64	8,171.17	710.00	358.45	351.55	2.020	
18,400.01	10,175.00	18,622.81	10,175.00	173.76	177.82	-90.092	1,089.64	8,171.18	710.00	358.45	351.55	2.020	
18,500.00	10,175.00	18,722.81	10,175.00	175.81	179.87	-90.092	1,089.94	8,271.17	710.00	354.35	355.65	1.996 Level 3	
18,500.01	10,175.00	18,722.81	10,175.00	175.81	179.87	-90.092	1,089.94	8,271.18	710.00	354.35	355.65	1.996 Level 3	
18,600.00	10,175.00	18,822.81	10,175.00	177.87	181.92	-90.092	1,090.23	8,371.17	710.00	350.24	359.76	1.974 Level 3	
18,600.01	10,175.00	18,822.81	10,175.00	177.87	181.92	-90.092	1,090.23	8,371.17	710.00	350.24	359.76	1.974 Level 3	
18,700.00	10,175.00	18,922.81	10,175.00	179.93	183.96	-90.092	1,090.52	8,471.17	710.00	346.14	363.86	1.951 Level 3	
18,700.01	10,175.00	18,922.81	10,175.00	179.93	183.96	-90.092	1,090.52	8,471.17	710.00	346.14	363.86	1.951 Level 3	
18,800.00	10,175.00	19,022.81	10,175.00	181.98	186.01	-90.092	1,090.81	8,571.17	710.00	342.04	367.96	1.930 Level 3	
18,800.01	10,175.00	19,022.81	10,175.00	181.98	186.01	-90.092	1,090.81	8,571.17	710.00	342.04	367.96	1.930 Level 3	
18,900.00	10,175.00	19,122.81	10,175.00	184.04	188.06	-90.092	1,091.11	8,671.17	710.00	337.93	372.07	1.908 Level 3	
18,900.01	10,175.00	19,122.81	10,175.00	184.04	188.06	-90.092	1,091.11	8,671.17	710.00	337.93	372.07	1.908 Level 3	
19,000.00	10,175.00	19,222.81	10,175.00	186.10	190.11	-90.092	1,091.40	8,771.17	710.00	333.83	376.17	1.887 Level 3	
19,000.01	10,175.00	19,222.81	10,175.00	186.10	190.11	-90.092	1,091.40	8,771.17	710.00	333.83	376.17	1.887 Level 3	
19,100.00	10,175.00	19,322.81	10,175.00	188.15	192.15	-90.092	1,091.69	8,871.17	710.00	329.72	380.28	1.867 Level 3	
19,100.01	10,175.00	19,322.81	10,175.00	188.15	192.15	-90.092	1,091.69	8,871.17	710.00	329.72	380.28	1.867 Level 3	
19,200.00	10,175.00	19,422.81	10,175.00	190.21	194.20	-90.092	1,091.98	8,971.17	710.00	325.61	384.39	1.847 Level 3	
19,200.01	10,175.00	19,422.81	10,175.00	190.21	194.20	-90.092	1,091.98	8,971.17	710.00	325.61	384.39	1.847 Level 3	
19,300.00	10,175.00	19,522.81	10,175.00	192.27	196.25	-90.092	1,092.28	9,071.16	710.00	321.50	388.50	1.828 Level 3	
19,300.01	10,175.00	19,522.81	10,175.00	192.27	196.25	-90.092	1,092.28	9,071.17	710.00	321.50	388.50	1.828 Level 3	
19,400.00	10,175.00	19,622.81	10,175.00	194.33	198.30	-90.092	1,092.57	9,171.16	710.00	317.40	392.60	1.808 Level 3	
19,400.01	10,175.00	19,622.81	10,175.00	194.33	198.30	-90.092	1,092.57	9,171.17	710.00	317.40	392.60	1.808 Level 3	
19,500.00	10,175.00	19,722.81	10,175.00	196.39	200.35	-90.092	1,092.86	9,271.16	710.00	313.29	396.71	1.790 Level 3	
19,500.01	10,175.00	19,722.81	10,175.00	196.39	200.35	-90.092	1,092.86	9,271.17	710.00	313.29	396.71	1.790 Level 3	
19,600.00	10,175.00	19,822.81	10,175.00	198.45	202.41	-90.092	1,093.15	9,371.16	710.00	309.18	400.82	1.771 Level 3	
19,600.01	10,175.00	19,822.81	10,175.00	198.45	202.41	-90.092	1,093.15	9,371.17	710.00	309.18	400.82	1.771 Level 3	
19,700.00	10,175.00	19,922.81	10,175.00	200.50	204.46	-90.092	1,093.45	9,471.16	710.00	305.07	404.93	1.753 Level 3	
19,700.01	10,175.00	19,922.81	10,175.00	200.51	204.46	-90.092	1,093.45	9,471.17	710.00	305.07	404.93	1.753 Level 3	
19,800.00	10,175.00	20,022.81	10,175.00	202.56	206.51	-90.092	1,093.74	9,571.16	710.00	300.96	409.04	1.736 Level 3	
19,800.01	10,175.00	20,022.81	10,175.00	202.56	206.51	-90.092	1,093.74	9,571.17	710.00	300.96	409.04	1.736 Level 3	
19,900.00	10,175.00	20,122.81	10,175.00	204.62	208.56	-90.092	1,094.03	9,671.16	710.00	296.84	413.16	1.718 Level 3	
19,900.01	10,175.00	20,122.81	10,175.00	204.62	208.56	-90.092	1,094.03	9,671.17	710.00	296.84	413.16	1.718 Level 3	
20,000.00	10,175.00	20,222.81	10,175.00	206.68	210.61	-90.092	1,094.32	9,771.16	710.00	292.73	417.27	1.702 Level 3	
20,000.01	10,175.00	20,222.81	10,175.00	206.68	210.61	-90.092	1,094.32	9,771.17	710.00	292.73	417.27	1.702 Level 3	
20,100.00	10,175.00	20,322.81	10,175.00	208.74	212.67	-90.092	1,094.62	9,871.16	710.00	288.62	421.38	1.685 Level 3	
20,100.01	10,175.00	20,322.81	10,175.00	208.74	212.67	-90.092	1,094.62	9,871.17	710.00	288.62	421.38	1.685 Level 3	
20,200.00	10,175.00	20,422.81	10,175.00	210.80	214.72	-90.092	1,094.91	9,971.16	710.00	284.51	425.49	1.669 Level 3	
20,200.01	10,175.00	20,422.81	10,175.00	210.80	214.72	-90.092	1,094.91	9,971.17	710.00	284.51	425.49	1.669 Level 3	
20,300.00	10,175.00	20,522.81	10,175.00	212.86	216.77	-90.092	1,095.20	10,071.16	710.00	280.39	429.61	1.653 Level 3	
20,300.01	10,175.00	20,522.81	10,175.00	212.86	216.77	-90.092	1,095.20	10,071.17	710.00	280.39	429.61	1.653 Level 3	
20,400.00	10,175.00	20,622.81	10,175.00	214.92	218.83	-90.092	1,095.49	10,171.16	710.00	276.28	433.72	1.637 Level 3	
20,400.01	10,175.00	20,622.81	10,175.00	214.92	218.83	-90.092	1,095.49	10,171.17	710.00	276.28	433.72	1.637 Level 3	
20,500.00	10,175.00	20,722.81	10,175.00	216.98	220.88	-90.092	1,095.79	10,271.16	710.00	272.16	437.84	1.622 Level 3	
20,500.01	10,175.00	20,722.81	10,175.00	216.99	220.88	-90.092	1,095.79	10,271.17	710.00	272.16	437.84	1.622 Level 3	
20,600.00	10,175.00	20,822.81	10,175.00	219.05	222.93	-90.092	1,096.08	10,371.16	710.00	268.05	441.95	1.607 Level 3	
20,600.01	10,175.00	20,822.81	10,175.00	219.05	222.93	-90.092	1,096.08	10,371.17	710.00	268.05	441.95	1.607 Level 3	
20,700.00	10,175.00	20,922.81	10,175.00	221.11	224.99	-90.092	1,096.37	10,471.16	710.00	263.93	446.07	1.592 Level 3	
20,700.01	10,175.00	20,922.81	10,175.00	221.11	224.99	-90.092	1,096.37	10,471.17	710.00	263.93	446.07	1.592 Level 3	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - 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)		
20,800.00	10,175.00	21,022.81	10,175.00	223.17	227.04	-90.092	1,096.66	10,571.16	710.00	259.82	450.18	1.577 Level 3	
20,800.01	10,175.00	21,022.81	10,175.00	223.17	227.04	-90.092	1,096.66	10,571.17	710.00	259.82	450.18	1.577 Level 3	
20,900.00	10,175.00	21,122.81	10,175.00	225.23	229.10	-90.092	1,096.96	10,671.16	710.00	255.70	454.30	1.563 Level 3	
20,900.01	10,175.00	21,122.81	10,175.00	225.23	229.10	-90.092	1,096.96	10,671.16	710.00	255.70	454.30	1.563 Level 3	
21,000.00	10,175.00	21,222.81	10,175.00	227.29	231.15	-90.092	1,097.25	10,771.16	710.00	251.58	458.42	1.549 Level 3	
21,000.01	10,175.00	21,222.81	10,175.00	227.29	231.15	-90.092	1,097.25	10,771.16	710.00	251.58	458.42	1.549 Level 3	
21,100.00	10,175.00	21,322.81	10,175.00	229.35	233.21	-90.092	1,097.54	10,871.16	710.00	247.47	462.53	1.535 Level 3	
21,100.01	10,175.00	21,322.81	10,175.00	229.35	233.21	-90.092	1,097.54	10,871.16	710.00	247.47	462.54	1.535 Level 3	
21,200.00	10,175.00	21,422.81	10,175.00	231.41	235.27	-90.092	1,097.83	10,971.16	710.00	243.35	466.65	1.521 Level 3	
21,200.01	10,175.00	21,422.81	10,175.00	231.41	235.27	-90.092	1,097.83	10,971.16	710.00	243.35	466.65	1.521 Level 3	
21,300.00	10,175.00	21,522.81	10,175.00	233.48	237.32	-90.092	1,098.13	11,071.16	710.00	239.23	470.77	1.508 Level 3	
21,300.01	10,175.00	21,522.81	10,175.00	233.48	237.32	-90.092	1,098.13	11,071.16	710.00	239.23	470.77	1.508 Level 3	
21,400.00	10,175.00	21,622.81	10,175.00	235.54	239.38	-90.092	1,098.42	11,171.16	710.00	235.11	474.89	1.495 Level 3	
21,400.01	10,175.00	21,622.81	10,175.00	235.54	239.38	-90.092	1,098.42	11,171.16	710.00	235.11	474.89	1.495 Level 3	
21,500.00	10,175.00	21,722.81	10,175.00	237.60	241.43	-90.092	1,098.71	11,271.16	710.00	230.99	479.01	1.482 Level 3	
21,500.01	10,175.00	21,722.81	10,175.00	237.60	241.43	-90.092	1,098.71	11,271.16	710.00	230.99	479.01	1.482 Level 3	
21,600.00	10,175.00	21,822.81	10,175.00	239.66	243.49	-90.092	1,099.00	11,371.15	710.00	226.87	483.13	1.470 Level 3	
21,600.01	10,175.00	21,822.81	10,175.00	239.66	243.49	-90.092	1,099.00	11,371.16	710.00	226.87	483.13	1.470 Level 3	
21,700.00	10,175.00	21,922.81	10,175.00	241.73	245.55	-90.092	1,099.30	11,471.15	710.00	222.75	487.25	1.457 Level 3	
21,700.01	10,175.00	21,922.81	10,175.00	241.73	245.55	-90.092	1,099.30	11,471.16	710.00	222.75	487.25	1.457 Level 3	
21,800.00	10,175.00	22,022.81	10,175.00	243.79	247.61	-90.092	1,099.59	11,571.15	710.00	218.63	491.37	1.445 Level 3	
21,800.01	10,175.00	22,022.81	10,175.00	243.79	247.61	-90.092	1,099.59	11,571.16	710.00	218.63	491.37	1.445 Level 3	
21,900.00	10,175.00	22,122.81	10,175.00	245.85	249.66	-90.092	1,099.88	11,671.15	710.00	214.51	495.49	1.433 Level 3	
21,900.01	10,175.00	22,122.81	10,175.00	245.85	249.66	-90.092	1,099.88	11,671.16	710.00	214.51	495.49	1.433 Level 3	
22,000.00	10,175.00	22,222.81	10,175.00	247.91	251.72	-90.092	1,100.17	11,771.15	710.00	210.39	499.61	1.421 Level 3	
22,000.01	10,175.00	22,222.81	10,175.00	247.91	251.72	-90.092	1,100.17	11,771.16	710.00	210.39	499.61	1.421 Level 3	
22,100.00	10,175.00	22,322.81	10,175.00	249.98	253.78	-90.092	1,100.47	11,871.15	710.00	206.27	503.73	1.409 Level 3	
22,100.01	10,175.00	22,322.81	10,175.00	249.98	253.78	-90.092	1,100.47	11,871.16	710.00	206.27	503.73	1.409 Level 3	
22,200.00	10,175.00	22,422.81	10,175.00	252.04	255.84	-90.092	1,100.76	11,971.15	710.00	202.15	507.85	1.398 Level 3	
22,200.01	10,175.00	22,422.81	10,175.00	252.04	255.84	-90.092	1,100.76	11,971.16	710.00	202.15	507.85	1.398 Level 3	
22,300.00	10,175.00	22,522.81	10,175.00	254.10	257.90	-90.092	1,101.05	12,071.15	710.00	198.03	511.97	1.387 Level 3	
22,300.01	10,175.00	22,522.81	10,175.00	254.10	257.90	-90.092	1,101.05	12,071.16	710.00	198.03	511.97	1.387 Level 3	
22,400.00	10,175.00	22,622.81	10,175.00	256.17	259.95	-90.092	1,101.34	12,171.15	710.00	193.91	516.09	1.376 Level 3	
22,400.01	10,175.00	22,622.81	10,175.00	256.17	259.95	-90.092	1,101.34	12,171.16	710.00	193.91	516.09	1.376 Level 3	
22,500.00	10,175.00	22,722.81	10,175.00	258.23	262.01	-90.092	1,101.64	12,271.15	710.00	189.79	520.22	1.365 Level 3	
22,500.01	10,175.00	22,722.81	10,175.00	258.23	262.01	-90.092	1,101.64	12,271.16	710.00	189.79	520.22	1.365 Level 3	
22,600.00	10,175.00	22,822.81	10,175.00	260.29	264.07	-90.092	1,101.93	12,371.15	710.00	185.66	524.34	1.354 Level 3	
22,600.01	10,175.00	22,822.81	10,175.00	260.29	264.07	-90.092	1,101.93	12,371.16	710.00	185.66	524.34	1.354 Level 3	
22,700.00	10,175.00	22,922.81	10,175.00	262.36	266.13	-90.092	1,102.22	12,471.15	710.00	181.54	528.46	1.344 Level 3	
22,700.01	10,175.00	22,922.81	10,175.00	262.36	266.13	-90.092	1,102.22	12,471.16	710.00	181.54	528.46	1.344 Level 3	
22,800.00	10,175.00	23,022.81	10,175.00	264.42	268.19	-90.092	1,102.51	12,571.15	710.00	177.42	532.58	1.333 Level 3	
22,800.01	10,175.00	23,022.81	10,175.00	264.42	268.19	-90.092	1,102.51	12,571.16	710.00	177.42	532.58	1.333 Level 3	
22,900.00	10,175.00	23,122.81	10,175.00	266.48	270.25	-90.092	1,102.81	12,671.15	710.00	173.30	536.71	1.323 Level 3	
22,900.01	10,175.00	23,122.81	10,175.00	266.48	270.25	-90.092	1,102.81	12,671.16	710.00	173.29	536.71	1.323 Level 3	
23,000.00	10,175.00	23,222.81	10,175.00	268.55	272.31	-90.092	1,103.10	12,771.15	710.00	169.17	540.83	1.313 Level 3	
23,000.01	10,175.00	23,222.81	10,175.00	268.55	272.31	-90.092	1,103.10	12,771.16	710.00	169.17	540.83	1.313 Level 3	
23,100.00	10,175.00	23,322.81	10,175.00	270.61	274.37	-90.092	1,103.39	12,871.15	710.00	165.05	544.95	1.303 Level 3	
23,100.01	10,175.00	23,322.81	10,175.00	270.61	274.37	-90.092	1,103.39	12,871.16	710.00	165.05	544.95	1.303 Level 3	
23,200.00	10,175.00	23,422.81	10,175.00	272.68	276.43	-90.092	1,103.68	12,971.15	710.00	160.92	549.08	1.293 Level 3	
23,200.01	10,175.00	23,422.81	10,175.00	272.68	276.43	-90.092	1,103.68	12,971.16	710.00	160.92	549.08	1.293 Level 3	
23,300.00	10,175.00	23,522.81	10,175.00	274.74	278.49	-90.092	1,103.98	13,071.15	710.00	156.80	553.20	1.283 Level 3	
23,300.01	10,175.00	23,522.81	10,175.00	274.74	278.49	-90.092	1,103.98	13,071.16	710.00	156.80	553.20	1.283 Level 3	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - 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		Rule Assigned:				
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
23,400.00	10,175.00	23,622.81	10,175.00	276.80	280.55	-90.092	1,104.27	13,171.15	710.00	152.68	557.33	1.274	Level 3
23,400.01	10,175.00	23,622.81	10,175.00	276.80	280.55	-90.092	1,104.27	13,171.15	710.00	152.68	557.33	1.274	Level 3
23,500.00	10,175.00	23,722.81	10,175.00	278.87	282.61	-90.092	1,104.56	13,271.15	710.00	148.55	561.45	1.265	Level 3
23,500.06	10,175.00	23,722.87	10,175.00	278.87	282.61	-90.092	1,104.56	13,271.21	710.00	148.55	561.45	1.265	Level 3
23,573.59	10,175.00	23,793.77	10,175.00	280.39	284.07	-90.092	1,104.77	13,342.11	710.01	145.57	564.43	1.258	Level 3, ES, SF

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - 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	Offset Wellbore Centre	Distance	Rule Assigned:							
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	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-63.555	112.16	-225.50	251.86				
100.00	100.00	98.86	98.86	0.79	0.78	-63.555	112.16	-225.50	251.85	250.29	1.56	161.203	
200.00	200.00	198.86	198.86	1.45	1.44	-63.555	112.16	-225.50	251.85	248.97	2.88	87.307	
300.00	300.00	298.86	298.86	1.89	1.89	-63.555	112.16	-225.50	251.85	248.08	3.78	66.658	
400.00	400.00	398.86	398.86	2.25	2.25	-63.555	112.16	-225.50	251.85	247.35	4.50	55.927	
500.00	500.00	498.86	498.86	2.57	2.56	-63.555	112.16	-225.50	251.85	246.72	5.13	49.077	
600.00	600.00	598.86	598.86	2.85	2.85	-63.555	112.16	-225.50	251.85	246.16	5.70	44.216	
700.00	700.00	698.86	698.86	3.11	3.11	-63.555	112.16	-225.50	251.85	245.64	6.21	40.534	
800.00	800.00	798.86	798.86	3.35	3.35	-63.555	112.16	-225.50	251.85	245.16	6.69	37.619	
900.00	900.00	898.86	898.86	3.58	3.57	-63.555	112.16	-225.50	251.85	244.71	7.15	35.236	
1,000.00	1,000.00	998.86	998.86	3.79	3.79	-63.555	112.16	-225.50	251.85	244.28	7.58	33.239	
1,100.00	1,100.00	1,098.86	1,098.86	3.99	3.99	-63.555	112.16	-225.50	251.85	243.87	7.99	31.534	
1,200.00	1,200.00	1,198.86	1,198.86	4.19	4.19	-63.555	112.16	-225.50	251.85	243.47	8.38	30.056	
1,300.00	1,300.00	1,298.86	1,298.86	4.38	4.38	-63.555	112.16	-225.50	251.85	243.10	8.76	28.758	
1,400.00	1,400.00	1,398.86	1,398.86	4.56	4.56	-63.555	112.16	-225.50	251.85	242.73	9.12	27.606	
1,500.00	1,500.00	1,498.86	1,498.86	4.74	4.74	-63.555	112.16	-225.50	251.85	242.38	9.48	26.575	
1,600.00	1,600.00	1,598.86	1,598.86	4.91	4.91	-63.555	112.16	-225.50	251.85	242.03	9.82	25.643	
1,700.00	1,700.00	1,698.86	1,698.86	5.08	5.08	-63.555	112.16	-225.50	251.85	241.70	10.16	24.797	
1,800.00	1,800.00	1,798.86	1,798.86	5.24	5.24	-63.555	112.16	-225.50	251.85	241.37	10.48	24.024	
1,900.00	1,900.00	1,898.86	1,898.86	5.40	5.40	-63.555	112.16	-225.50	251.85	241.05	10.80	23.314	
2,000.00	2,000.00	1,998.86	1,998.86	5.56	5.56	-63.555	112.16	-225.50	251.85	240.74	11.12	22.658 CC, ES	
2,100.00	2,100.00	2,094.71	2,094.69	5.71	5.79	-63.246	113.72	-225.59	252.67	241.23	11.43	22.096	
2,200.00	2,200.00	2,190.30	2,190.16	5.86	6.03	-62.321	118.47	-225.85	255.18	243.43	11.75	21.717	
2,300.00	2,300.00	2,285.47	2,284.99	6.01	6.27	-60.823	126.35	-226.29	259.54	247.48	12.07	21.511	
2,400.00	2,400.00	2,380.00	2,378.89	6.16	6.54	-58.823	137.29	-226.90	265.95	253.56	12.39	21.471	
2,500.00	2,500.00	2,473.72	2,471.56	6.30	6.81	-56.415	151.18	-227.67	274.65	261.93	12.72	21.597	
2,600.00	2,599.98	2,568.03	2,564.34	6.51	7.02	-15.934	168.12	-228.61	284.19	271.12	13.07	21.740	
2,700.00	2,699.84	2,666.90	2,661.42	6.74	7.27	-13.327	186.79	-229.64	291.62	278.12	13.50	21.605	
2,800.00	2,799.45	2,766.08	2,758.80	6.95	7.55	-10.992	205.52	-230.69	296.20	282.24	13.95	21.231	
2,900.00	2,898.93	2,865.35	2,856.28	7.26	7.85	-8.793	224.27	-231.73	299.71	285.18	14.54	20.619	
3,000.00	2,998.40	2,964.62	2,953.76	7.46	8.16	-6.647	243.02	-232.77	303.67	288.64	15.03	20.209	
3,100.00	3,097.87	3,063.90	3,051.25	7.67	8.48	-4.558	261.78	-233.81	308.04	292.49	15.55	19.804	
3,200.00	3,197.34	3,163.17	3,148.73	7.90	8.82	-2.530	280.53	-234.85	312.82	296.70	16.12	19.409	
3,300.00	3,296.82	3,262.44	3,246.21	8.14	9.17	-0.565	299.28	-235.89	317.98	301.27	16.71	19.028	
3,400.00	3,396.29	3,361.72	3,343.69	8.39	9.53	1.337	318.03	-236.93	323.50	306.17	17.33	18.664	
3,500.00	3,495.76	3,460.99	3,441.17	8.66	9.90	3.173	336.78	-237.98	329.37	311.39	17.98	18.319	
3,600.00	3,595.23	3,560.26	3,538.65	8.93	10.27	4.944	355.53	-239.02	335.57	316.92	18.65	17.995	
3,700.00	3,694.71	3,659.54	3,636.13	9.22	10.65	6.649	374.28	-240.06	342.08	322.75	19.33	17.693	
3,800.00	3,794.18	3,758.81	3,733.61	9.51	11.04	8.291	393.03	-241.10	348.89	328.85	20.04	17.413	
3,900.00	3,893.65	3,858.09	3,831.09	9.81	11.44	9.868	411.78	-242.14	355.97	335.22	20.75	17.154	
4,000.00	3,993.13	3,957.36	3,928.58	10.12	11.83	11.384	430.54	-243.18	363.31	341.84	21.48	16.917	
4,100.00	4,092.60	4,056.63	4,026.06	10.44	12.24	12.839	449.29	-244.22	370.90	348.69	22.21	16.700	
4,200.00	4,192.07	4,155.91	4,123.54	10.76	12.64	14.236	468.04	-245.27	378.72	355.77	22.95	16.503	
4,300.00	4,291.54	4,255.18	4,221.02	11.08	13.05	15.576	486.79	-246.31	386.75	363.06	23.69	16.324	
4,400.00	4,391.02	4,354.45	4,318.50	11.41	13.47	16.860	505.54	-247.35	394.98	370.55	24.44	16.162	
4,500.00	4,490.49	4,453.73	4,415.98	11.75	13.89	18.093	524.29	-248.39	403.41	378.22	25.19	16.015	
4,600.00	4,589.96	4,553.00	4,513.46	12.09	14.31	19.274	543.04	-249.43	412.02	386.08	25.94	15.884	
4,700.00	4,689.43	4,652.28	4,610.94	12.43	14.73	20.408	561.79	-250.47	420.79	394.10	26.69	15.766	
4,800.00	4,788.91	4,751.55	4,708.42	12.78	15.15	21.494	580.54	-251.51	429.72	402.28	27.44	15.660	
4,900.00	4,888.38	4,850.82	4,805.91	13.13	15.58	22.537	599.30	-252.55	438.80	410.61	28.19	15.566	
5,000.00	4,987.85	4,950.10	4,903.39	13.48	16.01	23.537	618.05	-253.60	448.02	419.09	28.94	15.482	
5,100.00	5,087.33	5,049.37	5,000.87	13.84	16.44	24.497	636.80	-254.64	457.37	427.69	29.68	15.408	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - 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	
5,200.00	5,186.80	5,148.64	5,098.35	14.20	16.87	25.418	655.55	-255.68	466.85	436.42	30.43	15.342	
5,300.00	5,286.27	5,247.92	5,195.83	14.56	17.31	26.303	674.30	-256.72	476.43	445.26	31.17	15.285	
5,400.00	5,385.74	5,347.19	5,293.31	14.92	17.74	27.153	693.05	-257.76	486.13	454.22	31.91	15.234	
5,500.00	5,485.22	5,446.46	5,390.79	15.29	18.18	27.969	711.80	-258.80	495.93	463.28	32.65	15.191	
5,600.00	5,584.69	5,545.74	5,488.27	15.66	18.62	28.754	730.55	-259.84	505.82	472.44	33.38	15.153	
5,700.00	5,684.16	5,645.01	5,585.75	16.02	19.05	29.509	749.30	-260.89	515.81	481.70	34.11	15.121	
5,800.00	5,783.63	5,744.29	5,683.24	16.40	19.49	30.235	768.06	-261.93	525.88	491.04	34.84	15.093	
5,900.00	5,883.11	5,843.56	5,780.72	16.77	19.94	30.933	786.81	-262.97	536.03	500.47	35.57	15.071	
6,000.00	5,982.58	5,942.83	5,878.20	17.14	20.38	31.606	805.56	-264.01	546.26	509.97	36.29	15.052	
6,100.00	6,082.05	6,042.11	5,975.68	17.52	20.82	32.254	824.31	-265.05	556.56	519.55	37.01	15.037	
6,200.00	6,181.53	6,141.38	6,073.16	17.89	21.27	32.879	843.06	-266.09	566.93	529.20	37.73	15.026	
6,300.00	6,281.00	6,240.65	6,170.64	18.27	21.71	33.481	861.81	-267.13	577.37	538.92	38.45	15.017	
6,400.00	6,380.47	6,339.93	6,268.12	18.65	22.16	34.062	880.56	-268.18	587.86	548.70	39.16	15.012	
6,500.00	6,479.94	6,439.20	6,365.60	19.03	22.60	34.622	899.31	-269.22	598.41	558.54	39.87	15.009	
6,600.00	6,579.42	6,538.47	6,463.08	19.41	23.05	35.163	918.06	-270.26	609.02	568.44	40.58	15.008	
6,700.00	6,678.89	6,637.75	6,560.57	19.79	23.50	35.686	936.82	-271.30	619.68	578.39	41.29	15.009	
6,800.00	6,778.36	6,737.02	6,658.05	20.17	23.95	36.190	955.57	-272.34	630.39	588.40	41.99	15.013	
6,900.00	6,877.84	6,836.29	6,755.52	20.54	24.39	36.703	974.32	-273.38	641.21	598.53	42.68	15.025	
7,000.00	6,977.54	6,935.39	6,852.84	20.93	24.84	37.197	993.04	-274.42	653.99	610.59	43.40	15.070	
7,100.00	7,077.44	7,034.16	6,949.82	21.27	25.28	37.530	1,011.69	-275.46	669.54	625.44	44.10	15.183	
7,200.00	7,177.43	7,160.78	7,074.58	21.38	25.85	-0.134	1,033.21	-276.65	685.86	641.08	44.78	15.315	
7,300.00	7,277.43	7,291.54	7,204.29	21.43	26.42	-0.206	1,049.65	-277.57	698.44	653.05	45.39	15.389	
7,400.00	7,377.43	7,423.56	7,335.87	21.48	26.93	-0.251	1,060.23	-278.15	706.46	660.60	45.85	15.406	
7,500.00	7,477.43	7,556.27	7,468.49	21.54	27.29	-0.270	1,064.75	-278.41	709.87	663.78	46.09	15.402	
7,600.00	7,577.43	7,664.07	7,576.29	21.59	27.38	-0.270	1,064.92	-278.42	710.00	663.81	46.19	15.372	
7,700.00	7,677.43	7,764.07	7,676.29	21.65	27.43	-0.270	1,064.92	-278.42	710.00	663.70	46.30	15.335	
7,800.00	7,777.43	7,864.07	7,776.29	21.70	27.47	-0.270	1,064.92	-278.42	710.00	663.59	46.41	15.299	
7,900.00	7,877.43	7,964.11	7,876.31	21.75	27.49	-0.201	1,064.93	-277.56	710.00	663.51	46.49	15.273	
7,906.92	7,884.35	7,971.02	7,883.21	21.76	27.49	-0.168	1,064.93	-277.14	710.00	663.51	46.49	15.273	
8,000.00	7,977.43	8,062.12	7,973.25	21.81	27.50	0.902	1,064.97	-263.89	710.13	663.71	46.42	15.298	
8,100.00	8,077.43	8,153.05	8,059.89	21.86	27.51	3.100	1,065.05	-236.61	711.34	665.08	46.26	15.378	
8,200.00	8,177.43	8,233.71	8,132.29	21.92	27.54	5.937	1,065.15	-201.21	715.40	669.35	46.05	15.537	
8,300.00	8,277.43	8,300.00	8,187.60	21.97	27.58	8.829	1,065.26	-164.73	724.29	678.45	45.84	15.801	
8,400.00	8,377.43	8,361.82	8,235.07	22.03	27.64	11.914	1,065.37	-125.17	739.69	694.18	45.51	16.254	
8,500.00	8,477.43	8,411.17	8,269.73	22.08	27.70	14.594	1,065.47	-90.07	762.73	717.60	45.14	16.898	
8,600.00	8,577.43	8,450.00	8,294.80	22.14	27.77	16.807	1,065.56	-60.42	793.92	749.21	44.71	17.757	
8,700.00	8,677.43	8,487.64	8,317.13	22.20	27.85	19.015	1,065.65	-30.13	833.13	788.93	44.20	18.849	
8,800.00	8,777.43	8,517.37	8,333.33	22.25	27.92	20.789	1,065.72	-5.22	879.92	836.23	43.68	20.143	
8,900.00	8,877.43	8,550.00	8,349.60	22.31	28.01	22.753	1,065.81	23.07	933.61	890.45	43.16	21.632	
9,000.00	8,977.43	8,564.72	8,356.41	22.36	28.06	23.640	1,065.84	36.12	993.22	950.52	42.70	23.259	
9,100.00	9,077.43	8,583.76	8,364.71	22.42	28.12	24.787	1,065.89	53.25	1,058.11	1,015.83	42.28	25.029	
9,200.00	9,177.43	8,600.00	8,371.34	22.48	28.17	25.763	1,065.94	68.08	1,127.48	1,085.57	41.91	26.905	
9,300.00	9,277.43	8,600.00	8,371.34	22.53	28.17	25.763	1,065.94	68.08	1,200.92	1,159.35	41.57	28.891	
9,400.00	9,377.43	8,628.09	8,381.81	22.59	28.28	27.439	1,066.01	94.14	1,277.08	1,235.73	41.35	30.886	
9,500.00	9,477.43	8,650.00	8,389.08	22.65	28.37	28.733	1,066.07	114.81	1,356.37	1,315.19	41.18	32.937	
9,600.00	9,577.43	8,650.00	8,389.08	22.70	28.37	28.733	1,066.07	114.81	1,437.77	1,396.77	41.01	35.061	
9,700.00	9,677.21	8,650.00	8,389.08	22.62	28.37	-52.111	1,066.07	114.81	1,519.94	1,479.04	40.90	37.162	
9,800.00	9,774.71	8,675.00	8,396.40	22.45	28.49	-42.087	1,066.14	138.71	1,597.55	1,556.51	41.04	38.929	
9,900.00	9,866.95	8,700.00	8,402.67	22.28	28.61	-35.130	1,066.21	162.91	1,669.01	1,627.71	41.30	40.415	
10,000.00	9,951.15	8,700.00	8,402.67	22.13	28.61	-30.660	1,066.21	162.91	1,732.52	1,690.97	41.55	41.698	
10,100.00	10,024.73	8,750.00	8,412.02	22.05	28.87	-27.000	1,066.36	212.01	1,786.91	1,744.79	42.13	42.419	
10,200.00	10,085.48	8,750.00	8,412.02	22.07	28.87	-24.878	1,066.36	212.01	1,830.51	1,787.96	42.55	43.017	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - 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		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)			
10,300.00	10,131.54	8,778.42	8,415.42	22.26	29.04	-23.317	1,066.44	240.22	1,863.31	1,820.10	43.20	43.129	
10,400.00	10,161.50	8,800.00	8,417.06	22.65	29.17	-22.412	1,066.50	261.74	1,884.47	1,840.57	43.90	42.931	
10,419.95	10,165.47	8,800.00	8,417.06	22.76	29.17	-22.303	1,066.50	261.74	1,887.31	1,843.29	44.02	42.875	
10,500.00	10,174.47	8,832.82	8,418.00	23.24	29.39	-22.029	1,066.60	294.54	1,893.63	1,848.92	44.70	42.359	
10,578.56	10,176.52	8,888.01	8,418.00	23.84	29.78	-22.000	1,066.76	349.73	1,895.38	1,849.92	45.47	41.687	
10,600.00	10,175.00	8,909.48	8,418.00	24.01	29.95	-22.016	1,066.82	371.20	1,893.97	1,848.25	45.72	41.425	
10,623.32	10,175.00	8,932.80	8,418.00	24.23	30.14	-22.016	1,066.89	394.52	1,893.97	1,847.97	46.00	41.173	
10,700.00	10,175.00	9,009.48	8,418.00	24.94	30.78	-22.016	1,067.12	471.20	1,893.97	1,847.05	46.93	40.358	
10,723.32	10,175.00	9,032.80	8,418.00	25.19	31.00	-22.016	1,067.19	494.52	1,893.97	1,846.75	47.23	40.105	
10,800.00	10,175.00	9,109.48	8,418.00	26.01	31.73	-22.016	1,067.41	571.20	1,893.97	1,845.77	48.20	39.292	
10,823.32	10,175.00	9,132.80	8,418.00	26.29	31.97	-22.016	1,067.48	594.52	1,893.97	1,845.46	48.51	39.041	
10,900.00	10,175.00	9,209.48	8,418.00	27.21	32.78	-22.016	1,067.70	671.20	1,893.97	1,844.44	49.54	38.235	
10,923.32	10,175.00	9,232.80	8,418.00	27.51	33.05	-22.016	1,067.77	694.52	1,893.97	1,844.12	49.86	37.988	
11,000.00	10,175.00	9,309.48	8,418.00	28.51	33.93	-22.016	1,067.99	771.20	1,893.97	1,843.05	50.92	37.194	
11,023.32	10,175.00	9,332.80	8,418.00	28.84	34.22	-22.016	1,068.06	794.52	1,893.97	1,842.72	51.26	36.951	
11,100.00	10,175.00	9,409.48	8,418.00	29.91	35.17	-22.016	1,068.29	871.20	1,893.97	1,841.62	52.36	36.173	
11,123.32	10,175.00	9,432.80	8,418.00	30.26	35.47	-22.016	1,068.36	894.52	1,893.97	1,841.27	52.70	35.936	
11,200.00	10,175.00	9,509.48	8,418.00	31.39	36.48	-22.016	1,068.58	971.20	1,893.97	1,840.13	53.84	35.177	
11,223.32	10,175.00	9,532.80	8,418.00	31.75	36.80	-22.016	1,068.65	994.52	1,893.97	1,839.78	54.20	34.946	
11,300.00	10,175.00	9,609.48	8,418.00	32.94	37.85	-22.016	1,068.87	1,071.20	1,893.97	1,838.61	55.37	34.207	
11,323.32	10,175.00	9,632.80	8,418.00	33.32	38.19	-22.016	1,068.94	1,094.52	1,893.97	1,838.24	55.73	33.984	
11,400.00	10,175.00	9,709.48	8,418.00	34.55	39.29	-22.016	1,069.16	1,171.20	1,893.97	1,837.04	56.93	33.267	
11,423.32	10,175.00	9,732.80	8,418.00	34.94	39.64	-22.016	1,069.23	1,194.52	1,893.97	1,836.67	57.30	33.051	
11,500.00	10,175.00	9,809.48	8,418.00	36.21	40.79	-22.016	1,069.46	1,271.20	1,893.97	1,835.44	58.53	32.357	
11,523.32	10,175.00	9,832.80	8,418.00	36.61	41.15	-22.016	1,069.53	1,294.52	1,893.97	1,835.06	58.91	32.148	
11,600.00	10,175.00	9,909.48	8,418.00	37.91	42.33	-22.016	1,069.75	1,371.20	1,893.97	1,833.81	60.17	31.479	
11,623.32	10,175.00	9,932.80	8,418.00	38.32	42.70	-22.016	1,069.82	1,394.51	1,893.97	1,833.42	60.55	31.277	
11,700.00	10,175.00	10,009.48	8,418.00	39.65	43.92	-22.016	1,070.04	1,471.20	1,893.97	1,832.14	61.83	30.631	
11,723.32	10,175.00	10,032.80	8,418.00	40.07	44.30	-22.016	1,070.11	1,494.51	1,893.97	1,831.75	62.23	30.437	
11,800.00	10,175.00	10,109.48	8,418.00	41.42	45.54	-22.016	1,070.33	1,571.20	1,893.97	1,830.45	63.52	29.815	
11,823.32	10,175.00	10,132.80	8,418.00	41.84	45.93	-22.016	1,070.40	1,594.51	1,893.97	1,830.05	63.92	29.628	
11,900.00	10,175.00	10,209.48	8,418.00	43.22	47.20	-22.016	1,070.63	1,671.20	1,893.97	1,828.73	65.24	29.029	
11,923.32	10,175.00	10,232.80	8,418.00	43.65	47.60	-22.016	1,070.70	1,694.51	1,893.97	1,828.33	65.65	28.850	
12,000.00	10,175.00	10,309.48	8,418.00	45.05	48.89	-22.016	1,070.92	1,771.20	1,893.97	1,826.99	66.99	28.274	
12,023.32	10,175.00	10,332.80	8,418.00	45.48	49.30	-22.016	1,070.99	1,794.51	1,893.97	1,826.58	67.40	28.102	
12,100.00	10,175.00	10,409.48	8,418.00	46.89	50.61	-22.016	1,071.21	1,871.20	1,893.97	1,825.22	68.75	27.548	
12,123.32	10,175.00	10,432.80	8,418.00	47.33	51.02	-22.016	1,071.28	1,894.51	1,893.97	1,824.81	69.17	27.382	
12,200.00	10,175.00	10,509.48	8,418.00	48.76	52.36	-22.016	1,071.50	1,971.19	1,893.97	1,823.44	70.54	26.851	
12,223.32	10,175.00	10,532.80	8,418.00	49.19	52.77	-22.016	1,071.57	1,994.51	1,893.97	1,823.02	70.96	26.692	
12,300.00	10,175.00	10,609.48	8,418.00	50.64	54.13	-22.016	1,071.80	2,071.19	1,893.97	1,821.63	72.34	26.181	
12,323.32	10,175.00	10,632.80	8,418.00	51.08	54.54	-22.016	1,071.87	2,094.51	1,893.97	1,821.21	72.77	26.028	
12,400.00	10,175.00	10,709.48	8,418.00	52.53	55.92	-22.016	1,072.09	2,171.19	1,893.97	1,819.81	74.16	25.538	
12,423.32	10,175.00	10,732.80	8,418.00	52.98	56.34	-22.016	1,072.16	2,194.51	1,893.97	1,819.38	74.59	25.391	
12,500.00	10,175.00	10,809.48	8,418.00	54.44	57.72	-22.016	1,072.38	2,271.19	1,893.97	1,817.97	76.00	24.920	
12,523.32	10,175.00	10,832.80	8,418.00	54.89	58.15	-22.016	1,072.45	2,294.51	1,893.97	1,817.54	76.43	24.779	
12,600.00	10,175.00	10,909.48	8,418.00	56.36	59.55	-22.016	1,072.68	2,371.19	1,893.97	1,816.12	77.86	24.327	
12,623.32	10,175.00	10,932.80	8,418.00	56.81	59.98	-22.016	1,072.74	2,394.51	1,893.97	1,815.68	78.29	24.191	
12,700.00	10,175.00	11,009.48	8,418.00	58.29	61.39	-22.016	1,072.97	2,471.19	1,893.97	1,814.25	79.72	23.757	
12,723.32	10,175.00	11,032.80	8,418.00	58.74	61.82	-22.016	1,073.04	2,494.51	1,893.97	1,813.81	80.16	23.627	
12,800.00	10,175.00	11,109.48	8,418.00	60.23	63.24	-22.016	1,073.26	2,571.19	1,893.97	1,812.37	81.61	23.209	
12,823.32	10,175.00	11,132.80	8,418.00	60.68	63.68	-22.016	1,073.33	2,594.51	1,893.97	1,811.93	82.05	23.084	
12,900.00	10,175.00	11,209.48	8,418.00	62.18	65.11	-22.016	1,073.55	2,671.19	1,893.97	1,810.48	83.50	22.683	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - 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)		
12,923.32	10,175.00	11,232.80	8,418.00	62.63	65.55	-22.016	1,073.62	2,694.51	1,893.97	1,810.03	83.94	22.563
13,000.00	10,175.00	11,309.48	8,418.00	64.13	66.99	-22.016	1,073.85	2,771.19	1,893.97	1,808.57	85.40	22.177
13,023.32	10,175.00	11,332.80	8,418.00	64.59	67.43	-22.016	1,073.91	2,794.51	1,893.97	1,808.13	85.85	22.061
13,100.00	10,175.00	11,409.48	8,418.00	66.10	68.88	-22.016	1,074.14	2,871.19	1,893.97	1,806.66	87.32	21.690
13,123.32	10,175.00	11,432.80	8,418.00	66.56	69.32	-22.016	1,074.21	2,894.51	1,893.97	1,806.21	87.77	21.579
13,200.00	10,175.00	11,509.48	8,418.00	68.07	70.78	-22.016	1,074.43	2,971.19	1,893.97	1,804.73	89.24	21.222
13,223.32	10,175.00	11,532.80	8,418.00	68.53	71.23	-22.016	1,074.50	2,994.51	1,893.97	1,804.28	89.70	21.116
13,300.00	10,175.00	11,609.48	8,418.00	70.04	72.69	-22.016	1,074.72	3,071.19	1,893.97	1,802.80	91.18	20.772
13,323.32	10,175.00	11,632.80	8,418.00	70.51	73.14	-22.016	1,074.79	3,094.51	1,893.97	1,802.34	91.63	20.669
13,400.00	10,175.00	11,709.48	8,418.00	72.03	74.61	-22.016	1,075.02	3,171.19	1,893.97	1,800.85	93.12	20.338
13,423.32	10,175.00	11,732.80	8,418.00	72.49	75.06	-22.016	1,075.08	3,194.51	1,893.97	1,800.40	93.58	20.240
13,500.00	10,175.00	11,809.48	8,418.00	74.01	76.54	-22.016	1,075.31	3,271.19	1,893.97	1,798.90	95.07	19.921
13,523.32	10,175.00	11,832.80	8,418.00	74.48	76.99	-22.016	1,075.38	3,294.51	1,893.97	1,798.44	95.53	19.826
13,600.00	10,175.00	11,909.48	8,418.00	76.00	78.47	-22.016	1,075.60	3,371.19	1,893.97	1,796.94	97.03	19.519
13,623.32	10,175.00	11,932.80	8,418.00	76.47	78.92	-22.016	1,075.67	3,394.51	1,893.97	1,796.48	97.49	19.427
13,700.00	10,175.00	12,009.48	8,418.00	78.00	80.41	-22.016	1,075.89	3,471.19	1,893.97	1,794.97	99.00	19.131
13,723.32	10,175.00	12,032.80	8,418.00	78.46	80.86	-22.016	1,075.96	3,494.51	1,893.97	1,794.51	99.46	19.042
13,800.00	10,175.00	12,109.48	8,418.00	80.00	82.36	-22.016	1,076.19	3,571.19	1,893.98	1,793.00	100.98	18.757
13,823.32	10,175.00	12,132.80	8,418.00	80.46	82.81	-22.016	1,076.25	3,594.51	1,893.98	1,792.54	101.44	18.671
13,900.00	10,175.00	12,209.48	8,418.00	82.00	84.31	-22.016	1,076.48	3,671.19	1,893.98	1,791.02	102.96	18.396
13,923.32	10,175.00	12,232.80	8,418.00	82.47	84.77	-22.016	1,076.55	3,694.51	1,893.98	1,790.56	103.42	18.314
14,000.00	10,175.00	12,309.48	8,418.00	84.00	86.27	-22.016	1,076.77	3,771.19	1,893.98	1,789.03	104.94	18.048
14,023.32	10,175.00	12,332.80	8,418.00	84.47	86.72	-22.016	1,076.84	3,794.50	1,893.98	1,788.57	105.41	17.968
14,100.00	10,175.00	12,409.48	8,418.00	86.01	88.23	-22.016	1,077.06	3,871.19	1,893.98	1,787.04	106.93	17.712
14,123.32	10,175.00	12,432.80	8,418.00	86.48	88.69	-22.016	1,077.13	3,894.50	1,893.98	1,786.58	107.40	17.635
14,200.00	10,175.00	12,509.48	8,418.00	88.02	90.20	-22.016	1,077.36	3,971.19	1,893.98	1,785.04	108.93	17.387
14,223.32	10,175.00	12,532.80	8,418.00	88.49	90.66	-22.016	1,077.42	3,994.50	1,893.98	1,784.58	109.40	17.313
14,300.00	10,175.00	12,609.48	8,418.00	90.04	92.17	-22.016	1,077.65	4,071.19	1,893.98	1,783.04	110.93	17.073
14,323.32	10,175.00	12,632.80	8,418.00	90.51	92.63	-22.016	1,077.72	4,094.50	1,893.98	1,782.57	111.40	17.001
14,400.00	10,175.00	12,709.48	8,418.00	92.05	94.15	-22.016	1,077.94	4,171.19	1,893.98	1,781.03	112.94	16.769
14,423.32	10,175.00	12,732.80	8,418.00	92.52	94.61	-22.016	1,078.01	4,194.50	1,893.98	1,780.56	113.41	16.700
14,500.00	10,175.00	12,809.48	8,418.00	94.07	96.13	-22.016	1,078.23	4,271.19	1,893.98	1,779.02	114.95	16.476
14,523.32	10,175.00	12,832.80	8,418.00	94.54	96.59	-22.016	1,078.30	4,294.50	1,893.98	1,778.55	115.42	16.409
14,600.00	10,175.00	12,909.48	8,418.00	96.09	98.11	-22.016	1,078.53	4,371.18	1,893.98	1,777.00	116.97	16.192
14,623.32	10,175.00	12,932.80	8,418.00	96.57	98.57	-22.016	1,078.59	4,394.50	1,893.98	1,776.53	117.44	16.127
14,700.00	10,175.00	13,009.48	8,418.00	98.12	100.10	-22.016	1,078.82	4,471.18	1,893.98	1,774.98	118.99	15.917
14,723.32	10,175.00	13,032.80	8,418.00	98.59	100.56	-22.016	1,078.89	4,494.50	1,893.98	1,774.51	119.46	15.854
14,800.00	10,175.00	13,109.48	8,418.00	100.14	102.09	-22.016	1,079.11	4,571.18	1,893.98	1,772.96	121.02	15.651
14,823.32	10,175.00	13,132.80	8,418.00	100.62	102.55	-22.016	1,079.18	4,594.50	1,893.98	1,772.49	121.49	15.590
14,900.00	10,175.00	13,209.48	8,418.00	102.17	104.08	-22.016	1,079.40	4,671.18	1,893.98	1,770.93	123.04	15.393
14,923.32	10,175.00	13,232.80	8,418.00	102.64	104.55	-22.016	1,079.47	4,694.50	1,893.98	1,770.46	123.52	15.334
15,000.00	10,175.00	13,309.48	8,418.00	104.20	106.08	-22.016	1,079.70	4,771.18	1,893.98	1,768.90	125.08	15.143
15,023.32	10,175.00	13,332.80	8,418.00	104.67	106.55	-22.016	1,079.76	4,794.50	1,893.98	1,768.42	125.55	15.085
15,100.00	10,175.00	13,409.48	8,418.00	106.23	108.08	-22.016	1,079.99	4,871.18	1,893.98	1,766.86	127.11	14.900
15,123.32	10,175.00	13,432.80	8,418.00	106.70	108.55	-22.016	1,080.06	4,894.50	1,893.98	1,766.39	127.59	14.845
15,200.00	10,175.00	13,509.48	8,418.00	108.26	110.08	-22.016	1,080.28	4,971.18	1,893.98	1,764.83	129.15	14.665
15,223.32	10,175.00	13,532.80	8,418.00	108.73	110.55	-22.016	1,080.35	4,994.50	1,893.98	1,764.35	129.63	14.611
15,300.00	10,175.00	13,609.48	8,418.00	110.29	112.09	-22.016	1,080.57	5,071.18	1,893.98	1,762.78	131.19	14.437
15,323.32	10,175.00	13,632.80	8,418.00	110.77	112.55	-22.016	1,080.64	5,094.50	1,893.98	1,762.31	131.67	14.384
15,400.00	10,175.00	13,709.48	8,418.00	112.33	114.09	-22.016	1,080.87	5,171.18	1,893.98	1,760.74	133.24	14.215
15,423.32	10,175.00	13,732.80	8,418.00	112.80	114.56	-22.016	1,080.93	5,194.50	1,893.98	1,760.26	133.71	14.164
15,500.00	10,175.00	13,809.48	8,418.00	114.36	116.10	-22.016	1,081.16	5,271.18	1,893.98	1,758.69	135.28	14.000

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - 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)		
15,523.32	10,175.00	13,832.80	8,418.00	114.84	116.57	-22.016	1,081.23	5,294.50	1,893.98	1,758.21	135.76	13.951	
15,600.00	10,175.00	13,909.48	8,418.00	116.40	118.11	-22.016	1,081.45	5,371.18	1,893.98	1,756.64	137.33	13.791	
15,623.32	10,175.00	13,932.80	8,418.00	116.88	118.58	-22.016	1,081.52	5,394.50	1,893.98	1,756.16	137.81	13.743	
15,700.00	10,175.00	14,009.48	8,418.00	118.44	120.13	-22.016	1,081.74	5,471.18	1,893.98	1,754.59	139.39	13.588	
15,723.32	10,175.00	14,032.80	8,418.00	118.92	120.60	-22.016	1,081.81	5,494.50	1,893.98	1,754.11	139.87	13.541	
15,800.00	10,175.00	14,109.48	8,418.00	120.48	122.14	-22.016	1,082.04	5,571.18	1,893.98	1,752.53	141.44	13.391	
15,823.32	10,175.00	14,132.80	8,418.00	120.96	122.61	-22.016	1,082.10	5,594.50	1,893.98	1,752.05	141.92	13.345	
15,900.00	10,175.00	14,209.48	8,418.00	122.52	124.16	-22.016	1,082.33	5,671.18	1,893.98	1,750.48	143.50	13.199	
15,923.32	10,175.00	14,232.80	8,418.00	123.00	124.63	-22.016	1,082.40	5,694.50	1,893.98	1,750.00	143.98	13.155	
16,000.00	10,175.00	14,309.48	8,418.00	124.56	126.18	-22.016	1,082.62	5,771.18	1,893.98	1,748.42	145.56	13.012	
16,023.32	10,175.00	14,332.80	8,418.00	125.04	126.65	-22.016	1,082.69	5,794.50	1,893.98	1,747.94	146.04	12.969	
16,100.00	10,175.00	14,409.48	8,418.00	126.60	128.20	-22.016	1,082.91	5,871.18	1,893.98	1,746.36	147.62	12.830	
16,123.32	10,175.00	14,432.80	8,418.00	127.08	128.67	-22.016	1,082.98	5,894.50	1,893.98	1,745.87	148.10	12.788	
16,200.00	10,175.00	14,509.48	8,418.00	128.65	130.22	-22.016	1,083.21	5,971.18	1,893.98	1,744.29	149.68	12.653	
16,223.32	10,175.00	14,532.80	8,418.00	129.12	130.69	-22.016	1,083.27	5,994.50	1,893.98	1,743.81	150.17	12.613	
16,300.00	10,175.00	14,609.48	8,418.00	130.69	132.24	-22.016	1,083.50	6,071.18	1,893.98	1,742.23	151.75	12.481	
16,323.32	10,175.00	14,632.80	8,418.00	131.17	132.71	-22.016	1,083.57	6,094.49	1,893.98	1,741.74	152.23	12.441	
16,400.00	10,175.00	14,709.48	8,418.00	132.74	134.27	-22.016	1,083.79	6,171.18	1,893.98	1,740.16	153.82	12.313	
16,423.32	10,175.00	14,732.80	8,418.00	133.21	134.74	-22.016	1,083.86	6,194.49	1,893.98	1,739.68	154.30	12.275	
16,500.00	10,175.00	14,809.48	8,418.00	134.78	136.29	-22.016	1,084.08	6,271.18	1,893.98	1,738.09	155.89	12.150	
16,523.32	10,175.00	14,832.80	8,418.00	135.26	136.77	-22.016	1,084.15	6,294.49	1,893.98	1,737.61	156.37	12.112	
16,600.00	10,175.00	14,909.48	8,418.00	136.83	138.32	-22.016	1,084.38	6,371.18	1,893.98	1,736.02	157.96	11.990	
16,623.32	10,175.00	14,932.80	8,418.00	137.30	138.79	-22.016	1,084.45	6,394.49	1,893.98	1,735.53	158.44	11.954	
16,700.00	10,175.00	15,009.48	8,418.00	138.87	140.35	-22.016	1,084.67	6,471.18	1,893.98	1,733.94	160.03	11.835	
16,723.32	10,175.00	15,032.80	8,418.00	139.35	140.82	-22.016	1,084.74	6,494.49	1,893.98	1,733.46	160.52	11.799	
16,800.00	10,175.00	15,109.48	8,418.00	140.92	142.38	-22.016	1,084.96	6,571.18	1,893.98	1,731.87	162.11	11.684	
16,823.32	10,175.00	15,132.80	8,418.00	141.40	142.85	-22.016	1,085.03	6,594.49	1,893.98	1,731.39	162.59	11.649	
16,900.00	10,175.00	15,209.48	8,418.00	142.97	144.41	-22.016	1,085.25	6,671.17	1,893.98	1,729.79	164.18	11.536	
16,923.32	10,175.00	15,232.80	8,418.00	143.45	144.88	-22.016	1,085.32	6,694.49	1,893.98	1,729.31	164.67	11.502	
17,000.00	10,175.00	15,309.48	8,418.00	145.02	146.44	-22.016	1,085.55	6,771.17	1,893.98	1,727.72	166.26	11.392	
17,023.32	10,175.00	15,332.80	8,418.00	145.50	146.92	-22.016	1,085.62	6,794.49	1,893.98	1,727.23	166.74	11.359	
17,100.00	10,175.00	15,409.48	8,418.00	147.07	148.48	-22.016	1,085.84	6,871.17	1,893.98	1,725.64	168.34	11.251	
17,123.32	10,175.00	15,432.80	8,418.00	147.55	148.95	-22.016	1,085.91	6,894.49	1,893.98	1,725.15	168.82	11.219	
17,200.00	10,175.00	15,509.48	8,418.00	149.12	150.51	-22.016	1,086.13	6,971.17	1,893.98	1,723.56	170.42	11.114	
17,223.32	10,175.00	15,532.80	8,418.00	149.60	150.98	-22.016	1,086.20	6,994.49	1,893.98	1,723.07	170.90	11.082	
17,300.00	10,175.00	15,609.48	8,418.00	151.17	152.54	-22.016	1,086.42	7,071.17	1,893.98	1,721.47	172.50	10.980	
17,323.32	10,175.00	15,632.80	8,418.00	151.65	153.02	-22.016	1,086.49	7,094.49	1,893.98	1,720.99	172.99	10.949	
17,400.00	10,175.00	15,709.48	8,418.00	153.22	154.58	-22.016	1,086.72	7,171.17	1,893.98	1,719.39	174.58	10.848	
17,423.32	10,175.00	15,732.80	8,418.00	153.70	155.06	-22.016	1,086.79	7,194.49	1,893.98	1,718.91	175.07	10.818	
17,500.00	10,175.00	15,809.48	8,418.00	155.27	156.62	-22.016	1,087.01	7,271.17	1,893.98	1,717.31	176.67	10.721	
17,523.32	10,175.00	15,832.80	8,418.00	155.75	157.09	-22.016	1,087.08	7,294.49	1,893.98	1,716.82	177.15	10.691	
17,600.00	10,175.00	15,909.48	8,418.00	157.32	158.66	-22.016	1,087.30	7,371.17	1,893.98	1,715.22	178.75	10.595	
17,623.32	10,175.00	15,932.80	8,418.00	157.80	159.13	-22.016	1,087.37	7,394.49	1,893.98	1,714.74	179.24	10.567	
17,700.00	10,175.00	16,009.48	8,418.00	159.38	160.69	-22.016	1,087.59	7,471.17	1,893.98	1,713.13	180.84	10.473	
17,723.32	10,175.00	16,032.80	8,418.00	159.86	161.17	-22.016	1,087.66	7,494.49	1,893.98	1,712.65	181.33	10.445	
17,800.00	10,175.00	16,109.48	8,418.00	161.43	162.73	-22.016	1,087.89	7,571.17	1,893.98	1,711.05	182.93	10.354	
17,823.32	10,175.00	16,132.80	8,418.00	161.91	163.21	-22.016	1,087.96	7,594.49	1,893.98	1,710.56	183.42	10.326	
17,900.00	10,175.00	16,209.48	8,418.00	163.48	164.77	-22.016	1,088.18	7,671.17	1,893.98	1,708.96	185.02	10.237	
17,923.32	10,175.00	16,232.80	8,418.00	163.96	165.25	-22.016	1,088.25	7,694.49	1,893.98	1,708.47	185.50	10.210	
18,000.00	10,175.00	16,309.48	8,418.00	165.54	166.81	-22.016	1,088.47	7,771.17	1,893.98	1,706.87	187.11	10.122	
18,023.32	10,175.00	16,332.80	8,418.00	166.02	167.29	-22.016	1,088.54	7,794.49	1,893.98	1,706.38	187.59	10.096	
18,100.00	10,175.00	16,409.48	8,418.00	167.59	168.86	-22.016	1,088.77	7,871.17	1,893.98	1,704.78	189.20	10.011	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - 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)		
18,123.32	10,175.00	16,432.80	8,418.00	168.07	169.33	-22.016	1,088.83	7,894.49	1,893.98	1,704.29	189.69	9.985	
18,200.00	10,175.00	16,509.48	8,418.00	169.65	170.90	-22.016	1,089.06	7,971.17	1,893.98	1,702.69	191.29	9.901	
18,223.32	10,175.00	16,532.80	8,418.00	170.13	171.37	-22.016	1,089.13	7,994.49	1,893.98	1,702.20	191.78	9.876	
18,300.00	10,175.00	16,609.48	8,418.00	171.70	172.94	-22.016	1,089.35	8,071.17	1,893.98	1,700.59	193.38	9.794	
18,323.32	10,175.00	16,632.80	8,418.00	172.18	173.42	-22.016	1,089.42	8,094.49	1,893.98	1,700.10	193.87	9.769	
18,400.00	10,175.00	16,709.48	8,418.00	173.76	174.98	-22.016	1,089.64	8,171.17	1,893.98	1,698.50	195.48	9.689	
18,423.32	10,175.00	16,732.80	8,418.00	174.24	175.46	-22.016	1,089.71	8,194.49	1,893.98	1,698.01	195.96	9.665	
18,500.00	10,175.00	16,809.48	8,418.00	175.81	177.03	-22.016	1,089.94	8,271.17	1,893.98	1,696.40	197.57	9.586	
18,523.32	10,175.00	16,832.80	8,418.00	176.29	177.51	-22.016	1,090.00	8,294.49	1,893.98	1,695.92	198.06	9.563	
18,600.00	10,175.00	16,909.48	8,418.00	177.87	179.07	-22.016	1,090.23	8,371.17	1,893.98	1,694.31	199.67	9.486	
18,623.32	10,175.00	16,932.80	8,418.00	178.35	179.55	-22.016	1,090.30	8,394.49	1,893.98	1,693.82	200.16	9.463	
18,700.00	10,175.00	17,009.48	8,418.00	179.93	181.12	-22.016	1,090.52	8,471.17	1,893.98	1,692.21	201.76	9.387	
18,723.32	10,175.00	17,032.80	8,418.00	180.41	181.60	-22.016	1,090.59	8,494.48	1,893.98	1,691.72	202.25	9.364	
18,800.00	10,175.00	17,109.48	8,418.00	181.98	183.16	-22.016	1,090.81	8,571.17	1,893.98	1,690.12	203.86	9.291	
18,823.32	10,175.00	17,132.80	8,418.00	182.46	183.64	-22.016	1,090.88	8,594.48	1,893.98	1,689.63	204.35	9.268	
18,900.00	10,175.00	17,209.48	8,418.00	184.04	185.21	-22.016	1,091.11	8,671.17	1,893.98	1,688.02	205.96	9.196	
18,923.32	10,175.00	17,232.80	8,418.00	184.52	185.69	-22.016	1,091.17	8,694.48	1,893.98	1,687.53	206.45	9.174	
19,000.00	10,175.00	17,309.48	8,418.00	186.10	187.26	-22.016	1,091.40	8,771.17	1,893.98	1,685.92	208.06	9.103	
19,023.32	10,175.00	17,332.80	8,418.00	186.58	187.74	-22.016	1,091.47	8,794.48	1,893.98	1,685.43	208.55	9.082	
19,100.00	10,175.00	17,409.48	8,418.00	188.15	189.31	-22.016	1,091.69	8,871.17	1,893.98	1,683.82	210.16	9.012	
19,123.32	10,175.00	17,432.80	8,418.00	188.63	189.78	-22.016	1,091.76	8,894.48	1,893.98	1,683.33	210.65	8.991	
19,200.00	10,175.00	17,509.48	8,418.00	190.21	191.35	-22.016	1,091.98	8,971.17	1,893.98	1,681.72	212.26	8.923	
19,223.32	10,175.00	17,532.80	8,418.00	190.69	191.83	-22.016	1,092.05	8,994.48	1,893.98	1,681.23	212.75	8.903	
19,300.00	10,175.00	17,609.48	8,418.00	192.27	193.40	-22.016	1,092.28	9,071.16	1,893.98	1,679.62	214.36	8.836	
19,323.32	10,175.00	17,632.80	8,418.00	192.75	193.88	-22.016	1,092.34	9,094.48	1,893.98	1,679.13	214.85	8.815	
19,400.00	10,175.00	17,709.48	8,418.00	194.33	195.45	-22.016	1,092.57	9,171.16	1,893.98	1,677.52	216.46	8.750	
19,423.32	10,175.00	17,732.80	8,418.00	194.81	195.93	-22.016	1,092.64	9,194.48	1,893.98	1,677.03	216.95	8.730	
19,500.00	10,175.00	17,809.48	8,418.00	196.39	197.50	-22.016	1,092.86	9,271.16	1,893.98	1,675.42	218.56	8.666	
19,523.32	10,175.00	17,832.80	8,418.00	196.87	197.98	-22.016	1,092.93	9,294.48	1,893.98	1,674.92	219.05	8.646	
19,600.00	10,175.00	17,909.48	8,418.00	198.45	199.55	-22.016	1,093.15	9,371.16	1,893.98	1,673.31	220.66	8.583	
19,623.32	10,175.00	17,932.80	8,418.00	198.93	200.03	-22.016	1,093.22	9,394.48	1,893.98	1,672.82	221.15	8.564	
19,700.00	10,175.00	18,009.48	8,418.00	200.50	201.60	-22.016	1,093.45	9,471.16	1,893.98	1,671.21	222.77	8.502	
19,723.32	10,175.00	18,032.80	8,418.00	200.99	202.08	-22.016	1,093.51	9,494.48	1,893.98	1,670.72	223.26	8.483	
19,800.00	10,175.00	18,109.48	8,418.00	202.56	203.65	-22.016	1,093.74	9,571.16	1,893.98	1,669.11	224.87	8.423	
19,823.32	10,175.00	18,132.80	8,418.00	203.04	204.13	-22.016	1,093.81	9,594.48	1,893.98	1,668.61	225.36	8.404	
19,900.00	10,175.00	18,209.48	8,418.00	204.62	205.70	-22.016	1,094.03	9,671.16	1,893.98	1,667.00	226.98	8.344	
19,923.32	10,175.00	18,232.80	8,418.00	205.10	206.18	-22.016	1,094.10	9,694.48	1,893.98	1,666.51	227.47	8.326	
20,000.00	10,175.00	18,309.48	8,418.00	206.68	207.75	-22.016	1,094.32	9,771.16	1,893.98	1,664.90	229.08	8.268	
20,023.32	10,175.00	18,332.80	8,418.00	207.16	208.23	-22.016	1,094.39	9,794.48	1,893.98	1,664.40	229.57	8.250	
20,100.00	10,175.00	18,409.48	8,418.00	208.74	209.80	-22.016	1,094.62	9,871.16	1,893.98	1,662.79	231.19	8.192	
20,123.32	10,175.00	18,432.80	8,418.00	209.22	210.28	-22.016	1,094.68	9,894.48	1,893.98	1,662.30	231.68	8.175	
20,200.00	10,175.00	18,509.48	8,418.00	210.80	211.86	-22.016	1,094.91	9,971.16	1,893.98	1,660.68	233.29	8.118	
20,223.32	10,175.00	18,532.80	8,418.00	211.28	212.33	-22.016	1,094.98	9,994.48	1,893.98	1,660.19	233.78	8.101	
20,300.00	10,175.00	18,609.48	8,418.00	212.86	213.91	-22.016	1,095.20	10,071.16	1,893.98	1,658.58	235.40	8.046	
20,323.32	10,175.00	18,632.80	8,418.00	213.34	214.39	-22.016	1,095.27	10,094.48	1,893.98	1,658.09	235.89	8.029	
20,400.00	10,175.00	18,709.48	8,418.00	214.92	215.96	-22.016	1,095.49	10,171.16	1,893.98	1,656.47	237.51	7.974	
20,423.32	10,175.00	18,732.80	8,418.00	215.40	216.44	-22.016	1,095.56	10,194.48	1,893.98	1,655.98	238.00	7.958	
20,500.00	10,175.00	18,809.48	8,418.00	216.98	218.01	-22.016	1,095.79	10,271.16	1,893.98	1,654.36	239.61	7.904	
20,523.32	10,175.00	18,832.80	8,418.00	217.47	218.49	-22.016	1,095.85	10,294.48	1,893.98	1,653.87	240.11	7.888	
20,600.00	10,175.00	18,909.48	8,418.00	219.05	220.07	-22.016	1,096.08	10,371.16	1,893.98	1,652.25	241.72	7.835	
20,623.32	10,175.00	18,932.80	8,418.00	219.53	220.55	-22.016	1,096.15	10,394.48	1,893.98	1,651.76	242.21	7.819	
20,700.00	10,175.00	19,009.48	8,418.00	221.11	222.12	-22.016	1,096.37	10,471.16	1,893.98	1,650.15	243.83	7.768	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - 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		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)		
20,723.32	10,175.00	19,032.80	8,418.00	221.59	222.60	-22.016	1,096.44	10,494.48	1,893.98	1,649.65	244.32	7.752	
20,800.00	10,175.00	19,109.48	8,418.00	223.17	224.17	-22.016	1,096.66	10,571.16	1,893.98	1,648.04	245.94	7.701	
20,823.32	10,175.00	19,132.80	8,418.00	223.65	224.65	-22.016	1,096.73	10,594.48	1,893.98	1,647.54	246.43	7.686	
20,900.00	10,175.00	19,209.48	8,418.00	225.23	226.23	-22.016	1,096.96	10,671.16	1,893.98	1,645.93	248.05	7.635	
20,923.32	10,175.00	19,232.80	8,418.00	225.71	226.71	-22.016	1,097.02	10,694.48	1,893.98	1,645.43	248.54	7.620	
21,000.00	10,175.00	19,309.48	8,418.00	227.29	228.28	-22.016	1,097.25	10,771.16	1,893.98	1,643.82	250.16	7.571	
21,023.32	10,175.00	19,332.80	8,418.00	227.77	228.76	-22.016	1,097.32	10,794.47	1,893.98	1,643.32	250.65	7.556	
21,100.00	10,175.00	19,409.48	8,418.00	229.35	230.34	-22.016	1,097.54	10,871.16	1,893.98	1,641.71	252.27	7.508	
21,123.32	10,175.00	19,432.80	8,418.00	229.83	230.82	-22.016	1,097.61	10,894.47	1,893.98	1,641.21	252.76	7.493	
21,200.00	10,175.00	19,509.48	8,418.00	231.41	232.39	-22.016	1,097.83	10,971.16	1,893.98	1,639.60	254.38	7.445	
21,223.32	10,175.00	19,532.80	8,418.00	231.90	232.87	-22.016	1,097.90	10,994.47	1,893.98	1,639.10	254.87	7.431	
21,300.00	10,175.00	19,609.48	8,418.00	233.48	234.45	-22.016	1,098.13	11,071.16	1,893.98	1,637.48	256.49	7.384	
21,323.32	10,175.00	19,632.80	8,418.00	233.96	234.93	-22.016	1,098.19	11,094.47	1,893.98	1,636.99	256.98	7.370	
21,400.00	10,175.00	19,709.48	8,418.00	235.54	236.50	-22.016	1,098.42	11,171.16	1,893.98	1,635.37	258.60	7.324	
21,423.32	10,175.00	19,732.80	8,418.00	236.02	236.98	-22.016	1,098.49	11,194.47	1,893.98	1,634.88	259.10	7.310	
21,500.00	10,175.00	19,809.48	8,418.00	237.60	238.56	-22.016	1,098.71	11,271.16	1,893.98	1,633.26	260.71	7.265	
21,523.32	10,175.00	19,832.80	8,418.00	238.08	239.04	-22.016	1,098.78	11,294.47	1,893.98	1,632.77	261.21	7.251	
21,600.00	10,175.00	19,909.48	8,418.00	239.66	240.62	-22.016	1,099.00	11,371.15	1,893.98	1,631.15	262.83	7.206	
21,623.32	10,175.00	19,932.80	8,418.00	240.14	241.10	-22.016	1,099.07	11,394.47	1,893.98	1,630.66	263.32	7.193	
21,700.00	10,175.00	20,009.48	8,418.00	241.73	242.67	-22.016	1,099.30	11,471.15	1,893.98	1,629.04	264.94	7.149	
21,723.32	10,175.00	20,032.80	8,418.00	242.21	243.15	-22.016	1,099.36	11,494.47	1,893.98	1,628.54	265.43	7.135	
21,800.00	10,175.00	20,109.48	8,418.00	243.79	244.73	-22.016	1,099.59	11,571.15	1,893.98	1,626.92	267.05	7.092	
21,823.32	10,175.00	20,132.80	8,418.00	244.27	245.21	-22.016	1,099.66	11,594.47	1,893.98	1,626.43	267.55	7.079	
21,900.00	10,175.00	20,209.48	8,418.00	245.85	246.79	-22.016	1,099.88	11,671.15	1,893.98	1,624.81	269.17	7.036	
21,923.32	10,175.00	20,232.80	8,418.00	246.33	247.27	-22.016	1,099.95	11,694.47	1,893.98	1,624.32	269.66	7.024	
22,000.00	10,175.00	20,309.48	8,418.00	247.91	248.84	-22.016	1,100.17	11,771.15	1,893.98	1,622.70	271.28	6.982	
22,023.32	10,175.00	20,332.80	8,418.00	248.39	249.32	-22.016	1,100.24	11,794.47	1,893.98	1,622.20	271.77	6.969	
22,100.00	10,175.00	20,409.48	8,418.00	249.98	250.90	-22.016	1,100.47	11,871.15	1,893.98	1,620.58	273.39	6.928	
22,123.32	10,175.00	20,432.80	8,418.00	250.46	251.38	-22.016	1,100.54	11,894.47	1,893.98	1,620.09	273.89	6.915	
22,200.00	10,175.00	20,509.48	8,418.00	252.04	252.96	-22.016	1,100.76	11,971.15	1,893.98	1,618.47	275.51	6.874	
22,223.32	10,175.00	20,532.80	8,418.00	252.52	253.44	-22.016	1,100.83	11,994.47	1,893.98	1,617.97	276.00	6.862	
22,300.00	10,175.00	20,609.48	8,418.00	254.10	255.01	-22.016	1,101.05	12,071.15	1,893.98	1,616.35	277.62	6.822	
22,323.32	10,175.00	20,632.80	8,418.00	254.58	255.49	-22.016	1,101.12	12,094.47	1,893.98	1,615.86	278.12	6.810	
22,400.00	10,175.00	20,709.48	8,418.00	256.17	257.07	-22.016	1,101.34	12,171.15	1,893.98	1,614.24	279.74	6.771	
22,423.32	10,175.00	20,732.80	8,418.00	256.65	257.55	-22.016	1,101.41	12,194.47	1,893.98	1,613.74	280.23	6.759	
22,500.00	10,175.00	20,809.48	8,418.00	258.23	259.13	-22.016	1,101.64	12,271.15	1,893.98	1,612.12	281.85	6.720	
22,523.32	10,175.00	20,832.80	8,418.00	258.71	259.61	-22.016	1,101.71	12,294.47	1,893.98	1,611.63	282.35	6.708	
22,600.00	10,175.00	20,909.48	8,418.00	260.29	261.19	-22.016	1,101.93	12,371.15	1,893.98	1,610.01	283.97	6.670	
22,623.32	10,175.00	20,932.80	8,418.00	260.77	261.67	-22.016	1,102.00	12,394.47	1,893.98	1,609.51	284.46	6.658	
22,700.00	10,175.00	21,009.48	8,418.00	262.36	263.25	-22.016	1,102.22	12,471.15	1,893.98	1,607.89	286.09	6.620	
22,723.32	10,175.00	21,032.80	8,418.00	262.84	263.73	-22.016	1,102.29	12,494.47	1,893.98	1,607.40	286.58	6.609	
22,800.00	10,175.00	21,109.48	8,418.00	264.42	265.31	-22.016	1,102.51	12,571.15	1,893.98	1,605.77	288.20	6.572	
22,823.32	10,175.00	21,132.80	8,418.00	264.90	265.79	-22.016	1,102.58	12,594.47	1,893.98	1,605.28	288.69	6.560	
22,900.00	10,175.00	21,209.48	8,418.00	266.48	267.36	-22.016	1,102.81	12,671.15	1,893.98	1,603.66	290.32	6.524	
22,923.32	10,175.00	21,232.80	8,418.00	266.97	267.84	-22.016	1,102.88	12,694.47	1,893.98	1,603.16	290.81	6.513	
23,000.00	10,175.00	21,309.48	8,418.00	268.55	269.42	-22.016	1,103.10	12,771.15	1,893.98	1,601.54	292.43	6.477	
23,023.32	10,175.00	21,332.80	8,418.00	269.03	269.90	-22.016	1,103.17	12,794.47	1,893.98	1,601.05	292.93	6.466	
23,100.00	10,175.00	21,409.48	8,418.00	270.61	271.48	-22.016	1,103.39	12,871.15	1,893.98	1,599.42	294.55	6.430	
23,123.32	10,175.00	21,432.80	8,418.00	271.09	271.96	-22.016	1,103.46	12,894.47	1,893.98	1,598.93	295.05	6.419	
23,200.00	10,175.00	21,509.48	8,418.00	272.68	273.54	-22.016	1,103.68	12,971.15	1,893.98	1,597.31	296.67	6.384	
23,223.32	10,175.00	21,532.80	8,418.00	273.16	274.02	-22.016	1,103.75	12,994.47	1,893.98	1,596.81	297.16	6.374	
23,300.00	10,175.00	21,609.48	8,418.00	274.74	275.60	-22.016	1,103.98	13,071.15	1,893.98	1,595.19	298.79	6.339	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - 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		Rule Assigned:				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)	Minimum Separation (usft)	Separation Factor	
23,323.32	10,175.00	21,632.80	8,418.00	275.22	276.08	-22.016	1,104.05	13,094.47	1,893.98	1,594.70	299.28	6.328	
23,400.00	10,175.00	21,709.48	8,418.00	276.80	277.66	-22.016	1,104.27	13,171.15	1,893.98	1,593.07	300.90	6.294	
23,423.32	10,175.00	21,732.80	8,418.00	277.29	278.14	-22.016	1,104.34	13,194.46	1,893.98	1,592.58	301.40	6.284	
23,500.00	10,175.00	21,809.48	8,418.00	278.87	279.72	-22.016	1,104.56	13,271.15	1,893.98	1,590.95	303.02	6.250	
23,517.18	10,175.00	21,826.66	8,418.00	279.22	280.07	-22.016	1,104.61	13,288.32	1,893.98	1,590.59	303.39	6.243	
23,573.59	10,175.00	21,880.45	8,418.00	280.39	281.18	-22.016	1,104.77	13,342.11	1,893.98	1,589.41	304.56	6.219 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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	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)	Toolface (°)	+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	-68.058	92.17	-228.79	246.66				
100.00	100.00	98.86	98.86	0.79	0.78	-68.058	92.17	-228.79	246.66	245.10	1.56	157.877	
200.00	200.00	198.86	198.86	1.45	1.44	-68.058	92.17	-228.79	246.66	243.77	2.88	85.506	
300.00	300.00	298.86	298.86	1.89	1.89	-68.058	92.17	-228.79	246.66	242.88	3.78	65.283	
400.00	400.00	398.86	398.86	2.25	2.25	-68.058	92.17	-228.79	246.66	242.15	4.50	54.773	
500.00	500.00	498.86	498.86	2.57	2.56	-68.058	92.17	-228.79	246.66	241.53	5.13	48.065	
600.00	600.00	598.86	598.86	2.85	2.85	-68.058	92.17	-228.79	246.66	240.96	5.70	43.304	
700.00	700.00	698.86	698.86	3.11	3.11	-68.058	92.17	-228.79	246.66	240.44	6.21	39.698	
800.00	800.00	798.86	798.86	3.35	3.35	-68.058	92.17	-228.79	246.66	239.96	6.69	36.843	
900.00	900.00	898.86	898.86	3.58	3.57	-68.058	92.17	-228.79	246.66	239.51	7.15	34.509	
1,000.00	1,000.00	998.86	998.86	3.79	3.79	-68.058	92.17	-228.79	246.66	239.08	7.58	32.553	
1,100.00	1,100.00	1,098.86	1,098.86	3.99	3.99	-68.058	92.17	-228.79	246.66	238.67	7.99	30.884	
1,200.00	1,200.00	1,198.86	1,198.86	4.19	4.19	-68.058	92.17	-228.79	246.66	238.28	8.38	29.436	
1,300.00	1,300.00	1,298.86	1,298.86	4.38	4.38	-68.058	92.17	-228.79	246.66	237.90	8.76	28.165	
1,400.00	1,400.00	1,398.86	1,398.86	4.56	4.56	-68.058	92.17	-228.79	246.66	237.53	9.12	27.037	
1,500.00	1,500.00	1,498.86	1,498.86	4.74	4.74	-68.058	92.17	-228.79	246.66	237.18	9.48	26.026	
1,600.00	1,600.00	1,598.86	1,598.86	4.91	4.91	-68.058	92.17	-228.79	246.66	236.84	9.82	25.114	
1,700.00	1,700.00	1,698.86	1,698.86	5.08	5.08	-68.058	92.17	-228.79	246.66	236.50	10.16	24.286	
1,800.00	1,800.00	1,798.86	1,798.86	5.24	5.24	-68.058	92.17	-228.79	246.66	236.17	10.48	23.529	
1,900.00	1,900.00	1,898.86	1,898.86	5.40	5.40	-68.058	92.17	-228.79	246.66	235.86	10.80	22.833	
2,000.00	2,000.00	1,998.86	1,998.86	5.56	5.56	-68.058	92.17	-228.79	246.66	235.54	11.12	22.190	
2,100.00	2,100.00	2,101.38	2,101.35	5.71	5.78	-68.457	90.38	-228.94	246.15	234.74	11.41	21.577	
2,200.00	2,200.00	2,203.66	2,203.49	5.86	5.99	-69.678	84.96	-229.41	244.68	233.01	11.67	20.971	
2,300.00	2,300.00	2,304.79	2,304.23	6.01	6.10	-71.679	76.21	-230.16	242.51	230.65	11.86	20.444	
2,400.00	2,400.00	2,404.33	2,403.33	6.16	6.27	-73.873	66.78	-230.97	240.47	228.36	12.11	19.851	
2,500.00	2,500.00	2,503.88	2,502.42	6.30	6.45	-76.101	57.36	-231.78	238.80	226.44	12.36	19.321	
2,600.00	2,599.98	2,603.29	2,601.38	6.51	6.66	-40.885	47.94	-232.59	236.17	223.52	12.64	18.678	
2,700.00	2,699.84	2,702.33	2,699.97	6.74	6.87	-44.102	38.57	-233.39	231.49	218.57	12.92	17.918	
2,800.00	2,799.45	2,800.88	2,798.08	6.95	7.10	-48.085	29.23	-234.19	225.21	212.04	13.17	17.100	
2,900.00	2,898.93	2,899.19	2,895.94	7.26	7.35	-52.485	19.92	-234.99	219.11	205.57	13.54	16.176	
3,000.00	2,998.40	2,997.49	2,993.80	7.46	7.61	-57.100	10.61	-235.79	214.40	200.60	13.80	15.537	
3,100.00	3,097.87	3,095.80	3,091.66	7.67	7.87	-61.882	1.31	-236.59	211.19	197.11	14.08	15.004	
3,200.00	3,197.34	3,194.11	3,189.52	7.90	8.15	-66.773	-8.00	-237.39	209.53	195.15	14.38	14.572	
3,253.64	3,250.70	3,246.84	3,242.02	8.03	8.30	-69.417	-13.00	-237.82	209.30	194.75	14.56	14.379 CC, ES	
3,300.00	3,296.82	3,292.41	3,287.38	8.14	8.44	-71.703	-17.31	-238.19	209.47	194.76	14.72	14.234	
3,400.00	3,396.29	3,390.72	3,385.24	8.39	8.73	-76.598	-26.62	-238.99	211.01	195.92	15.10	13.979	
3,500.00	3,495.76	3,489.02	3,483.11	8.66	9.03	-81.391	-35.93	-239.79	214.12	198.60	15.52	13.799	
3,600.00	3,595.23	3,587.33	3,580.97	8.93	9.34	-86.020	-45.24	-240.59	218.72	202.73	15.98	13.685	
3,700.00	3,694.71	3,685.64	3,678.83	9.22	9.65	-90.437	-54.55	-241.39	224.72	208.23	16.49	13.628	
3,800.00	3,794.18	3,783.94	3,776.69	9.51	9.97	-94.607	-63.86	-242.19	232.02	214.99	17.04	13.620	
3,900.00	3,893.65	3,882.25	3,874.55	9.81	10.30	-98.511	-73.17	-242.99	240.50	222.89	17.61	13.654	
4,000.00	3,993.13	3,980.55	3,972.41	10.12	10.63	-102.139	-82.48	-243.79	250.04	231.82	18.22	13.723	
4,100.00	4,092.60	4,078.86	4,070.27	10.44	10.96	-105.495	-91.78	-244.59	260.52	241.67	18.85	13.821	
4,200.00	4,192.07	4,177.16	4,168.13	10.76	11.29	-108.588	-101.09	-245.38	271.83	252.33	19.50	13.941	
4,300.00	4,291.54	4,275.47	4,265.99	11.08	11.63	-111.430	-110.40	-246.18	283.88	263.71	20.16	14.079	
4,400.00	4,391.02	4,373.78	4,363.85	11.41	11.98	-114.040	-119.71	-246.98	296.57	275.73	20.84	14.230	
4,500.00	4,490.49	4,472.08	4,461.71	11.75	12.32	-116.434	-129.02	-247.78	309.82	288.30	21.53	14.392	
4,600.00	4,589.96	4,570.39	4,559.58	12.09	12.67	-118.631	-138.33	-248.58	323.58	301.35	22.22	14.561	
4,700.00	4,689.43	4,668.69	4,657.44	12.43	13.02	-120.650	-147.64	-249.38	337.76	314.84	22.92	14.735	
4,800.00	4,788.91	4,767.00	4,755.30	12.78	13.37	-122.505	-156.95	-250.18	352.33	328.70	23.63	14.912	
4,900.00	4,888.38	4,865.31	4,853.16	13.13	13.73	-124.213	-166.26	-250.98	367.24	342.90	24.34	15.089	
5,000.00	4,987.85	4,963.61	4,951.02	13.48	14.08	-125.788	-175.56	-251.78	382.44	357.39	25.05	15.267	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		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	5,087.33	5,061.92	5,048.88	13.84	14.44	-127.243	-184.87	-252.58	397.91	372.14	25.76	15.444	
5,200.00	5,186.80	5,160.22	5,146.74	14.20	14.80	-128.589	-194.18	-253.38	413.61	387.13	26.48	15.619	
5,300.00	5,286.27	5,258.53	5,244.60	14.56	15.16	-129.837	-203.49	-254.18	429.52	402.32	27.20	15.791	
5,400.00	5,385.74	5,356.84	5,342.46	14.92	15.52	-130.996	-212.80	-254.98	445.61	417.69	27.92	15.960	
5,500.00	5,485.22	5,455.14	5,440.32	15.29	15.89	-132.075	-222.11	-255.78	461.87	433.23	28.64	16.126	
5,600.00	5,584.69	5,553.45	5,538.18	15.66	16.25	-133.080	-231.42	-256.58	478.28	448.92	29.36	16.289	
5,700.00	5,684.16	5,651.75	5,636.05	16.02	16.62	-134.019	-240.73	-257.37	494.83	464.74	30.09	16.447	
5,800.00	5,783.63	5,750.06	5,733.91	16.40	16.99	-134.897	-250.04	-258.17	511.50	480.69	30.81	16.602	
5,900.00	5,883.11	5,848.36	5,831.77	16.77	17.35	-135.720	-259.35	-258.97	528.27	496.74	31.53	16.753	
6,000.00	5,982.58	5,946.67	5,929.63	17.14	17.72	-136.492	-268.65	-259.77	545.15	512.89	32.26	16.899	
6,100.00	6,082.05	6,044.98	6,027.49	17.52	18.09	-137.218	-277.96	-260.57	562.12	529.14	32.98	17.042	
6,200.00	6,181.53	6,143.28	6,125.35	17.89	18.46	-137.902	-287.27	-261.37	579.17	545.46	33.71	17.181	
6,300.00	6,281.00	6,241.59	6,223.21	18.27	18.83	-138.546	-296.58	-262.17	596.30	561.86	34.44	17.316	
6,400.00	6,380.47	6,339.89	6,321.07	18.65	19.21	-139.155	-305.89	-262.97	613.50	578.33	35.16	17.447	
6,500.00	6,479.94	6,438.20	6,418.93	19.03	19.58	-139.731	-315.20	-263.77	630.76	594.86	35.89	17.574	
6,600.00	6,579.42	6,536.51	6,516.79	19.41	19.95	-140.276	-324.51	-264.57	648.07	611.45	36.62	17.698	
6,700.00	6,678.89	6,634.81	6,614.65	19.79	20.33	-140.792	-333.82	-265.37	665.45	628.10	37.35	17.818	
6,800.00	6,778.36	6,733.12	6,712.52	20.17	20.70	-141.283	-343.13	-266.17	682.87	644.79	38.08	17.934	
6,900.00	6,877.84	6,831.44	6,810.39	20.54	21.08	-141.791	-352.44	-266.97	700.28	661.49	38.79	18.054	
7,000.00	6,977.54	6,930.14	6,908.64	20.93	21.46	-142.305	-361.78	-267.77	715.84	676.32	39.51	18.118	
7,100.00	7,077.44	7,029.29	7,007.35	21.27	21.84	-142.601	-371.17	-268.58	728.67	688.50	40.18	18.137	
7,200.00	7,177.43	7,128.77	7,106.37	21.38	22.22	179.557	-380.59	-269.38	738.86	698.22	40.64	18.179	
7,300.00	7,277.43	7,228.31	7,205.47	21.43	22.59	179.625	-390.02	-270.19	748.33	707.25	41.08	18.217	
7,400.00	7,377.43	7,355.42	7,332.16	21.48	23.06	179.696	-400.15	-271.06	756.39	714.72	41.67	18.154	
7,500.00	7,477.43	7,491.14	7,467.78	21.54	23.49	179.729	-404.88	-271.47	759.87	717.68	42.19	18.011	
7,600.00	7,577.43	7,599.65	7,576.29	21.59	23.55	179.730	-405.06	-271.49	760.00	717.68	42.31	17.961	
7,700.00	7,677.43	7,699.65	7,676.29	21.65	23.57	179.730	-405.06	-271.49	760.00	717.60	42.40	17.925	
7,800.00	7,777.43	7,799.65	7,776.29	21.70	23.60	179.730	-405.06	-271.49	760.00	717.51	42.48	17.889	
7,805.41	7,782.84	7,805.05	7,781.70	21.70	23.60	179.730	-405.06	-271.49	760.00	717.51	42.49	17.887	
7,900.00	7,877.43	7,899.54	7,876.17	21.75	23.62	179.666	-405.05	-270.64	760.00	717.42	42.58	17.847	
8,000.00	7,977.43	7,997.13	7,972.69	21.81	23.60	178.645	-405.01	-257.09	760.17	717.40	42.77	17.773	
8,100.00	8,077.43	8,087.72	8,059.05	21.86	23.59	176.607	-404.93	-230.02	761.40	718.33	43.07	17.680	
8,200.00	8,177.43	8,168.15	8,131.31	21.92	23.59	173.973	-404.83	-194.85	765.31	721.92	43.39	17.636	
8,300.00	8,277.43	8,237.43	8,189.08	21.97	23.61	171.144	-404.72	-156.70	773.75	730.09	43.66	17.722	
8,400.00	8,377.43	8,300.00	8,236.97	22.03	23.65	168.206	-404.60	-116.47	788.33	744.51	43.81	17.993	
8,500.00	8,477.43	8,350.00	8,271.90	22.08	23.70	165.646	-404.50	-80.72	810.11	766.35	43.77	18.510	
8,600.00	8,577.43	8,386.94	8,295.64	22.14	23.76	163.659	-404.42	-52.42	839.61	796.12	43.49	19.307	
8,700.00	8,677.43	8,421.99	8,316.43	22.20	23.83	161.717	-404.33	-24.22	876.88	833.78	43.09	20.348	
8,800.00	8,777.43	8,450.00	8,331.78	22.25	23.89	160.137	-404.26	-0.79	921.52	878.94	42.57	21.645	
8,900.00	8,877.43	8,477.26	8,345.61	22.31	23.97	158.583	-404.20	22.70	972.92	930.87	42.04	23.142	
9,000.00	8,977.43	8,500.00	8,356.28	22.36	24.04	157.279	-404.14	42.78	1,030.36	988.87	41.49	24.836	
9,100.00	9,077.43	8,518.33	8,364.29	22.42	24.11	156.227	-404.09	59.27	1,093.09	1,052.14	40.95	26.694	
9,200.00	9,177.43	8,550.00	8,376.88	22.48	24.23	154.414	-404.00	88.32	1,160.65	1,120.04	40.61	28.582	
9,300.00	9,277.43	8,550.00	8,376.88	22.53	24.23	154.414	-404.00	88.32	1,231.66	1,191.61	40.05	30.756	
9,400.00	9,377.43	8,550.00	8,376.88	22.59	24.23	154.414	-404.00	88.32	1,306.47	1,266.90	39.57	33.013	
9,500.00	9,477.43	8,574.44	8,385.48	22.65	24.34	153.024	-403.94	111.20	1,383.82	1,344.41	39.41	35.115	
9,600.00	9,577.43	8,600.00	8,393.43	22.70	24.46	151.584	-403.87	135.49	1,464.07	1,424.75	39.31	37.242	
9,700.00	9,677.21	8,600.00	8,393.43	22.62	24.46	53.218	-403.87	135.49	1,544.50	1,505.48	39.02	39.583	
9,800.00	9,774.71	8,600.00	8,393.43	22.45	24.46	44.261	-403.87	135.49	1,621.13	1,582.38	38.75	41.836	
9,900.00	9,866.95	8,626.92	8,400.62	22.28	24.60	37.099	-403.79	161.42	1,691.39	1,652.66	38.73	43.672	
10,000.00	9,951.15	8,650.00	8,405.81	22.13	24.73	32.154	-403.72	183.91	1,753.98	1,715.26	38.72	45.298	
10,100.00	10,024.73	8,650.00	8,405.81	22.05	24.73	28.910	-403.72	183.91	1,807.77	1,769.17	38.60	46.829	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1											Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1											Offset Well Error: 0.00 usft	
Reference		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)		
10,200.00	10,085.48	8,700.00	8,413.92	22.07	25.04	26.287	-403.58	233.23	1,850.89	1,811.98	38.91	47.573
10,300.00	10,131.54	8,700.00	8,413.92	22.26	25.04	24.806	-403.58	233.23	1,883.34	1,844.42	38.93	48.379
10,400.00	10,161.50	8,750.00	8,417.70	22.65	25.40	23.782	-403.43	283.07	1,904.16	1,864.77	39.38	48.350
10,419.87	10,165.45	8,750.00	8,417.70	22.76	25.40	23.675	-403.43	283.07	1,906.78	1,867.37	39.42	48.376
10,500.00	10,174.47	8,768.40	8,418.00	23.24	25.54	23.417	-403.38	301.47	1,912.97	1,873.29	39.68	48.214
10,578.55	10,176.52	8,820.96	8,418.00	23.84	25.97	23.387	-403.23	354.03	1,914.68	1,874.53	40.14	47.696
10,600.00	10,175.00	8,842.43	8,418.00	24.01	26.16	23.405	-403.16	375.50	1,913.28	1,872.96	40.32	47.447
10,623.32	10,175.00	8,865.75	8,418.00	24.23	26.37	23.405	-403.10	398.82	1,913.28	1,872.75	40.53	47.202
10,700.00	10,175.00	8,942.43	8,418.00	24.94	27.11	23.405	-402.87	475.50	1,913.28	1,872.04	41.24	46.398
10,723.32	10,175.00	8,965.75	8,418.00	25.19	27.35	23.405	-402.80	498.82	1,913.28	1,871.81	41.47	46.140
10,800.00	10,175.00	9,042.43	8,418.00	26.01	28.18	23.405	-402.58	575.50	1,913.28	1,871.04	42.24	45.298
10,823.32	10,175.00	9,065.75	8,418.00	26.29	28.44	23.405	-402.51	598.82	1,913.28	1,870.79	42.49	45.032
10,900.00	10,175.00	9,142.43	8,418.00	27.21	29.35	23.405	-402.29	675.50	1,913.28	1,869.96	43.32	44.165
10,923.32	10,175.00	9,165.75	8,418.00	27.51	29.64	23.405	-402.22	698.82	1,913.28	1,869.69	43.59	43.893
11,000.00	10,175.00	9,242.43	8,418.00	28.51	30.62	23.405	-401.99	775.50	1,913.28	1,868.80	44.48	43.010
11,023.32	10,175.00	9,265.75	8,418.00	28.84	30.93	23.405	-401.93	798.82	1,913.28	1,868.51	44.77	42.736
11,100.00	10,175.00	9,342.43	8,418.00	29.91	31.98	23.405	-401.70	875.50	1,913.28	1,867.56	45.72	41.848
11,123.32	10,175.00	9,365.75	8,418.00	30.26	32.30	23.405	-401.63	898.82	1,913.28	1,867.26	46.02	41.574
11,200.00	10,175.00	9,442.43	8,418.00	31.39	33.40	23.405	-401.41	975.50	1,913.28	1,866.26	47.02	40.688
11,223.32	10,175.00	9,465.75	8,418.00	31.75	33.75	23.405	-401.34	998.82	1,913.28	1,865.94	47.34	40.417
11,300.00	10,175.00	9,542.43	8,418.00	32.94	34.90	23.405	-401.12	1,075.50	1,913.28	1,864.89	48.39	39.540
11,323.32	10,175.00	9,565.75	8,418.00	33.32	35.25	23.405	-401.05	1,098.82	1,913.28	1,864.56	48.72	39.273
11,400.00	10,175.00	9,642.43	8,418.00	34.55	36.45	23.405	-400.82	1,175.50	1,913.28	1,863.47	49.81	38.411
11,423.32	10,175.00	9,665.75	8,418.00	34.94	36.81	23.405	-400.76	1,198.82	1,913.28	1,863.13	50.15	38.149
11,500.00	10,175.00	9,742.43	8,418.00	36.21	38.05	23.405	-400.53	1,275.50	1,913.28	1,861.99	51.29	37.305
11,523.32	10,175.00	9,765.75	8,418.00	36.61	38.42	23.405	-400.46	1,298.82	1,913.28	1,861.64	51.64	37.050
11,600.00	10,175.00	9,842.43	8,418.00	37.91	39.69	23.405	-400.24	1,375.50	1,913.28	1,860.47	52.81	36.228
11,623.32	10,175.00	9,865.75	8,418.00	38.32	40.08	23.405	-400.17	1,398.81	1,913.28	1,860.10	53.18	35.980
11,700.00	10,175.00	9,942.43	8,418.00	39.65	41.37	23.405	-399.95	1,475.50	1,913.28	1,858.90	54.38	35.182
11,723.32	10,175.00	9,965.75	8,418.00	40.07	41.77	23.405	-399.88	1,498.81	1,913.28	1,858.52	54.76	34.942
11,800.00	10,175.00	10,042.43	8,418.00	41.42	43.08	23.405	-399.65	1,575.50	1,913.28	1,857.29	55.99	34.170
11,823.32	10,175.00	10,065.75	8,418.00	41.84	43.49	23.405	-399.59	1,598.81	1,913.28	1,856.90	56.38	33.938
11,900.00	10,175.00	10,142.43	8,418.00	43.22	44.83	23.405	-399.36	1,675.50	1,913.28	1,855.64	57.64	33.192
11,923.32	10,175.00	10,165.75	8,418.00	43.65	45.24	23.405	-399.29	1,698.81	1,913.28	1,855.25	58.03	32.969
12,000.00	10,175.00	10,242.43	8,418.00	45.05	46.60	23.405	-399.07	1,775.50	1,913.28	1,853.95	59.33	32.251
12,023.32	10,175.00	10,265.75	8,418.00	45.48	47.02	23.405	-399.00	1,798.81	1,913.28	1,853.56	59.72	32.035
12,100.00	10,175.00	10,342.43	8,418.00	46.89	48.40	23.405	-398.78	1,875.50	1,913.28	1,852.24	61.04	31.344
12,123.32	10,175.00	10,365.75	8,418.00	47.33	48.82	23.405	-398.71	1,898.81	1,913.28	1,851.83	61.45	31.137
12,200.00	10,175.00	10,442.43	8,418.00	48.76	50.21	23.405	-398.48	1,975.49	1,913.28	1,850.49	62.79	30.473
12,223.32	10,175.00	10,465.75	8,418.00	49.19	50.64	23.405	-398.42	1,998.81	1,913.28	1,850.08	63.20	30.274
12,300.00	10,175.00	10,542.43	8,418.00	50.64	52.05	23.405	-398.19	2,075.49	1,913.28	1,848.72	64.56	29.637
12,323.32	10,175.00	10,565.75	8,418.00	51.08	52.48	23.405	-398.12	2,098.81	1,913.28	1,848.30	64.98	29.446
12,400.00	10,175.00	10,642.43	8,418.00	52.53	53.90	23.405	-397.90	2,175.49	1,913.28	1,846.93	66.35	28.835
12,423.32	10,175.00	10,665.75	8,418.00	52.98	54.34	23.405	-397.83	2,198.81	1,913.28	1,846.50	66.78	28.652
12,500.00	10,175.00	10,742.43	8,418.00	54.44	55.77	23.405	-397.61	2,275.49	1,913.28	1,845.11	68.17	28.065
12,523.32	10,175.00	10,765.75	8,418.00	54.89	56.21	23.405	-397.54	2,298.81	1,913.28	1,844.68	68.60	27.890
12,600.00	10,175.00	10,842.43	8,418.00	56.36	57.65	23.405	-397.31	2,375.49	1,913.28	1,843.27	70.01	27.328
12,623.32	10,175.00	10,865.75	8,418.00	56.81	58.09	23.405	-397.25	2,398.81	1,913.28	1,842.83	70.45	27.160
12,700.00	10,175.00	10,942.43	8,418.00	58.29	59.55	23.405	-397.02	2,475.49	1,913.28	1,841.41	71.87	26.621
12,723.32	10,175.00	10,965.75	8,418.00	58.74	59.99	23.405	-396.95	2,498.81	1,913.28	1,840.97	72.31	26.460
12,800.00	10,175.00	11,042.43	8,418.00	60.23	61.45	23.405	-396.73	2,575.49	1,913.28	1,839.53	73.75	25.943
12,823.32	10,175.00	11,065.75	8,418.00	60.68	61.90	23.405	-396.66	2,598.81	1,913.28	1,839.09	74.19	25.789

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1											Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1											Offset Well Error: 0.00 usft	
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		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)	Minimum Separation (usft)	Factor
12,900.00	10,175.00	11,142.43	8,418.00	62.18	63.37	23.405	-396.44	2,675.49	1,913.28	1,837.64	75.64	25.293
12,923.32	10,175.00	11,165.75	8,418.00	62.63	63.82	23.405	-396.37	2,698.81	1,913.28	1,837.19	76.09	25.146
13,000.00	10,175.00	11,242.43	8,418.00	64.13	65.29	23.405	-396.14	2,775.49	1,913.28	1,835.73	77.55	24.671
13,023.32	10,175.00	11,265.75	8,418.00	64.59	65.74	23.405	-396.08	2,798.81	1,913.28	1,835.28	78.00	24.529
13,100.00	10,175.00	11,342.43	8,418.00	66.10	67.23	23.405	-395.85	2,875.49	1,913.28	1,833.80	79.48	24.074
13,123.32	10,175.00	11,365.75	8,418.00	66.56	67.68	23.405	-395.78	2,898.81	1,913.28	1,833.35	79.93	23.938
13,200.00	10,175.00	11,442.43	8,418.00	68.07	69.17	23.405	-395.56	2,975.49	1,913.28	1,831.87	81.41	23.501
13,223.32	10,175.00	11,465.75	8,418.00	68.53	69.62	23.405	-395.49	2,998.81	1,913.28	1,831.41	81.87	23.371
13,300.00	10,175.00	11,542.43	8,418.00	70.04	71.12	23.405	-395.27	3,075.49	1,913.28	1,829.92	83.36	22.952
13,323.32	10,175.00	11,565.75	8,418.00	70.51	71.57	23.405	-395.20	3,098.81	1,913.28	1,829.46	83.82	22.827
13,400.00	10,175.00	11,642.43	8,418.00	72.03	73.07	23.405	-394.97	3,175.49	1,913.28	1,827.96	85.32	22.424
13,423.32	10,175.00	11,665.75	8,418.00	72.49	73.53	23.405	-394.91	3,198.81	1,913.28	1,827.50	85.78	22.304
13,500.00	10,175.00	11,742.43	8,418.00	74.01	75.03	23.405	-394.68	3,275.49	1,913.28	1,825.99	87.29	21.918
13,523.32	10,175.00	11,765.75	8,418.00	74.48	75.49	23.405	-394.61	3,298.81	1,913.28	1,825.53	87.75	21.803
13,600.00	10,175.00	11,842.43	8,418.00	76.00	77.00	23.405	-394.39	3,375.49	1,913.28	1,824.01	89.27	21.432
13,623.32	10,175.00	11,865.75	8,418.00	76.47	77.46	23.405	-394.32	3,398.81	1,913.28	1,823.54	89.74	21.321
13,700.00	10,175.00	11,942.43	8,418.00	78.00	78.98	23.405	-394.10	3,475.49	1,913.28	1,822.02	91.26	20.965
13,723.32	10,175.00	11,965.75	8,418.00	78.46	79.44	23.405	-394.03	3,498.81	1,913.28	1,821.55	91.73	20.858
13,800.00	10,175.00	12,042.43	8,418.00	80.00	80.95	23.405	-393.80	3,575.49	1,913.28	1,820.02	93.26	20.515
13,823.32	10,175.00	12,065.75	8,418.00	80.46	81.41	23.405	-393.74	3,598.81	1,913.28	1,819.55	93.73	20.413
13,900.00	10,175.00	12,142.43	8,418.00	82.00	82.93	23.405	-393.51	3,675.49	1,913.28	1,818.01	95.27	20.083
13,923.32	10,175.00	12,165.75	8,418.00	82.47	83.40	23.405	-393.44	3,698.81	1,913.28	1,817.54	95.74	19.985
14,000.00	10,175.00	12,242.43	8,418.00	84.00	84.92	23.405	-393.22	3,775.49	1,913.28	1,816.00	97.28	19.667
14,023.32	10,175.00	12,265.75	8,418.00	84.47	85.38	23.405	-393.15	3,798.80	1,913.28	1,815.53	97.75	19.573
14,100.00	10,175.00	12,342.43	8,418.00	86.01	86.91	23.405	-392.93	3,875.49	1,913.28	1,813.98	99.30	19.267
14,123.32	10,175.00	12,365.75	8,418.00	86.48	87.38	23.405	-392.86	3,898.80	1,913.28	1,813.51	99.78	19.176
14,200.00	10,175.00	12,442.43	8,418.00	88.02	88.90	23.405	-392.63	3,975.49	1,913.28	1,811.95	101.33	18.882
14,223.32	10,175.00	12,465.75	8,418.00	88.49	89.37	23.405	-392.57	3,998.80	1,913.28	1,811.48	101.80	18.794
14,300.00	10,175.00	12,542.43	8,418.00	90.04	90.90	23.405	-392.34	4,075.49	1,913.28	1,809.92	103.36	18.510
14,323.32	10,175.00	12,565.75	8,418.00	90.51	91.37	23.405	-392.27	4,098.80	1,913.28	1,809.44	103.84	18.425
14,400.00	10,175.00	12,642.43	8,418.00	92.05	92.90	23.405	-392.05	4,175.49	1,913.28	1,807.88	105.40	18.152
14,423.32	10,175.00	12,665.75	8,418.00	92.52	93.37	23.405	-391.98	4,198.80	1,913.28	1,807.40	105.88	18.070
14,500.00	10,175.00	12,742.43	8,418.00	94.07	94.91	23.405	-391.76	4,275.49	1,913.28	1,805.83	107.45	17.806
14,523.32	10,175.00	12,765.75	8,418.00	94.54	95.37	23.405	-391.69	4,298.80	1,913.28	1,805.35	107.93	17.727
14,600.00	10,175.00	12,842.43	8,418.00	96.09	96.91	23.405	-391.46	4,375.48	1,913.28	1,803.78	109.50	17.473
14,623.32	10,175.00	12,865.75	8,418.00	96.57	97.38	23.405	-391.40	4,398.80	1,913.28	1,803.30	109.98	17.397
14,700.00	10,175.00	12,942.43	8,418.00	98.12	98.92	23.405	-391.17	4,475.48	1,913.28	1,801.72	111.56	17.151
14,723.32	10,175.00	12,965.75	8,418.00	98.59	99.39	23.405	-391.10	4,498.80	1,913.28	1,801.24	112.04	17.077
14,800.00	10,175.00	13,042.43	8,418.00	100.14	100.93	23.405	-390.88	4,575.48	1,913.28	1,799.66	113.62	16.840
14,823.32	10,175.00	13,065.75	8,418.00	100.62	101.40	23.405	-390.81	4,598.80	1,913.28	1,799.18	114.10	16.769
14,900.00	10,175.00	13,142.43	8,418.00	102.17	102.95	23.405	-390.59	4,675.48	1,913.28	1,797.60	115.68	16.539
14,923.32	10,175.00	13,165.75	8,418.00	102.64	103.42	23.405	-390.52	4,698.80	1,913.28	1,797.12	116.16	16.471
15,000.00	10,175.00	13,242.43	8,418.00	104.20	104.96	23.405	-390.29	4,775.48	1,913.28	1,795.53	117.75	16.249
15,023.32	10,175.00	13,265.75	8,418.00	104.67	105.43	23.405	-390.23	4,798.80	1,913.28	1,795.05	118.23	16.182
15,100.00	10,175.00	13,342.43	8,418.00	106.23	106.98	23.405	-390.00	4,875.48	1,913.28	1,793.46	119.82	15.967
15,123.32	10,175.00	13,365.75	8,418.00	106.70	107.45	23.405	-389.93	4,898.80	1,913.28	1,792.97	120.31	15.903
15,200.00	10,175.00	13,442.43	8,418.00	108.26	109.00	23.405	-389.71	4,975.48	1,913.28	1,791.38	121.90	15.695
15,223.32	10,175.00	13,465.75	8,418.00	108.73	109.47	23.405	-389.64	4,998.80	1,913.28	1,790.90	122.39	15.633
15,300.00	10,175.00	13,542.43	8,418.00	110.29	111.02	23.405	-389.42	5,075.48	1,913.28	1,789.30	123.98	15.432
15,323.32	10,175.00	13,565.75	8,418.00	110.77	111.49	23.405	-389.35	5,098.80	1,913.28	1,788.81	124.47	15.372
15,400.00	10,175.00	13,642.43	8,418.00	112.33	113.04	23.405	-389.12	5,175.48	1,913.28	1,787.22	126.06	15.177
15,423.32	10,175.00	13,665.75	8,418.00	112.80	113.52	23.405	-389.06	5,198.80	1,913.28	1,786.73	126.55	15.119

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		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	
15,500.00	10,175.00	13,742.43	8,418.00	114.36	115.07	23.405	-388.83	5,275.48	1,913.28	1,785.13	128.15	14.930	
15,523.32	10,175.00	13,765.75	8,418.00	114.84	115.54	23.405	-388.76	5,298.80	1,913.28	1,784.64	128.64	14.873	
15,600.00	10,175.00	13,842.43	8,418.00	116.40	117.10	23.405	-388.54	5,375.48	1,913.28	1,783.04	130.24	14.690	
15,623.32	10,175.00	13,865.75	8,418.00	116.88	117.57	23.405	-388.47	5,398.80	1,913.28	1,782.55	130.73	14.636	
15,700.00	10,175.00	13,942.43	8,418.00	118.44	119.12	23.405	-388.25	5,475.48	1,913.28	1,780.95	132.33	14.458	
15,723.32	10,175.00	13,965.75	8,418.00	118.92	119.60	23.405	-388.18	5,498.80	1,913.28	1,780.46	132.82	14.405	
15,800.00	10,175.00	14,042.43	8,418.00	120.48	121.15	23.405	-387.95	5,575.48	1,913.28	1,778.85	134.43	14.233	
15,823.32	10,175.00	14,065.75	8,418.00	120.96	121.63	23.405	-387.89	5,598.80	1,913.28	1,778.36	134.92	14.181	
15,900.00	10,175.00	14,142.43	8,418.00	122.52	123.18	23.405	-387.66	5,675.48	1,913.28	1,776.75	136.53	14.014	
15,923.32	10,175.00	14,165.75	8,418.00	123.00	123.66	23.405	-387.59	5,698.80	1,913.28	1,776.26	137.02	13.964	
16,000.00	10,175.00	14,242.43	8,418.00	124.56	125.22	23.405	-387.37	5,775.48	1,913.28	1,774.65	138.63	13.802	
16,023.32	10,175.00	14,265.75	8,418.00	125.04	125.69	23.405	-387.30	5,798.80	1,913.28	1,774.16	139.12	13.753	
16,100.00	10,175.00	14,342.43	8,418.00	126.60	127.25	23.405	-387.08	5,875.48	1,913.28	1,772.55	140.73	13.595	
16,123.32	10,175.00	14,365.75	8,418.00	127.08	127.72	23.405	-387.01	5,898.80	1,913.28	1,772.06	141.22	13.548	
16,200.00	10,175.00	14,442.43	8,418.00	128.65	129.28	23.405	-386.78	5,975.48	1,913.28	1,770.44	142.84	13.395	
16,223.32	10,175.00	14,465.75	8,418.00	129.12	129.76	23.405	-386.72	5,998.80	1,913.28	1,769.95	143.33	13.349	
16,300.00	10,175.00	14,542.43	8,418.00	130.69	131.32	23.405	-386.49	6,075.48	1,913.28	1,768.34	144.94	13.200	
16,323.32	10,175.00	14,565.75	8,418.00	131.17	131.79	23.405	-386.42	6,098.79	1,913.28	1,767.85	145.44	13.156	
16,400.00	10,175.00	14,642.43	8,418.00	132.74	133.36	23.405	-386.20	6,175.48	1,913.28	1,766.23	147.05	13.011	
16,423.32	10,175.00	14,665.75	8,418.00	133.21	133.83	23.405	-386.13	6,198.79	1,913.28	1,765.74	147.55	12.967	
16,500.00	10,175.00	14,742.43	8,418.00	134.78	135.39	23.405	-385.91	6,275.48	1,913.28	1,764.12	149.16	12.827	
16,523.32	10,175.00	14,765.75	8,418.00	135.26	135.87	23.405	-385.84	6,298.79	1,913.28	1,763.62	149.66	12.784	
16,600.00	10,175.00	14,842.43	8,418.00	136.83	137.43	23.405	-385.61	6,375.48	1,913.28	1,762.00	151.28	12.647	
16,623.32	10,175.00	14,865.75	8,418.00	137.30	137.91	23.405	-385.55	6,398.79	1,913.28	1,761.51	151.77	12.606	
16,700.00	10,175.00	14,942.43	8,418.00	138.87	139.47	23.405	-385.32	6,475.48	1,913.28	1,759.89	153.39	12.473	
16,723.32	10,175.00	14,965.75	8,418.00	139.35	139.95	23.405	-385.25	6,498.79	1,913.28	1,759.39	153.89	12.433	
16,800.00	10,175.00	15,042.43	8,418.00	140.92	141.51	23.405	-385.03	6,575.48	1,913.28	1,757.77	155.51	12.303	
16,823.32	10,175.00	15,065.75	8,418.00	141.40	141.99	23.405	-384.96	6,598.79	1,913.28	1,757.28	156.01	12.264	
16,900.00	10,175.00	15,142.43	8,418.00	142.97	143.55	23.405	-384.74	6,675.47	1,913.28	1,755.65	157.63	12.138	
16,923.32	10,175.00	15,165.75	8,418.00	143.45	144.03	23.405	-384.67	6,698.79	1,913.28	1,755.16	158.12	12.100	
17,000.00	10,175.00	15,242.43	8,418.00	145.02	145.60	23.405	-384.44	6,775.47	1,913.28	1,753.53	159.75	11.977	
17,023.32	10,175.00	15,265.75	8,418.00	145.50	146.07	23.405	-384.38	6,798.79	1,913.28	1,753.04	160.25	11.940	
17,100.00	10,175.00	15,342.43	8,418.00	147.07	147.64	23.405	-384.15	6,875.47	1,913.28	1,751.41	161.87	11.820	
17,123.32	10,175.00	15,365.75	8,418.00	147.55	148.12	23.405	-384.08	6,898.79	1,913.28	1,750.91	162.37	11.784	
17,200.00	10,175.00	15,442.43	8,418.00	149.12	149.68	23.405	-383.86	6,975.47	1,913.28	1,749.28	164.00	11.667	
17,223.32	10,175.00	15,465.75	8,418.00	149.60	150.16	23.405	-383.79	6,998.79	1,913.28	1,748.79	164.49	11.631	
17,300.00	10,175.00	15,542.43	8,418.00	151.17	151.73	23.405	-383.57	7,075.47	1,913.28	1,747.16	166.12	11.517	
17,323.32	10,175.00	15,565.75	8,418.00	151.65	152.20	23.405	-383.50	7,098.79	1,913.28	1,746.66	166.62	11.483	
17,400.00	10,175.00	15,642.43	8,418.00	153.22	153.77	23.405	-383.27	7,175.47	1,913.28	1,745.03	168.25	11.372	
17,423.32	10,175.00	15,665.75	8,418.00	153.70	154.25	23.405	-383.21	7,198.79	1,913.28	1,744.54	168.74	11.338	
17,500.00	10,175.00	15,742.43	8,418.00	155.27	155.82	23.405	-382.98	7,275.47	1,913.28	1,742.91	170.38	11.230	
17,523.32	10,175.00	15,765.75	8,418.00	155.75	156.30	23.405	-382.91	7,298.79	1,913.28	1,742.41	170.87	11.197	
17,600.00	10,175.00	15,842.43	8,418.00	157.32	157.86	23.405	-382.69	7,375.47	1,913.28	1,740.78	172.50	11.091	
17,623.32	10,175.00	15,865.75	8,418.00	157.80	158.34	23.405	-382.62	7,398.79	1,913.28	1,740.28	173.00	11.059	
17,700.00	10,175.00	15,942.43	8,418.00	159.38	159.91	23.405	-382.40	7,475.47	1,913.28	1,738.65	174.63	10.956	
17,723.32	10,175.00	15,965.75	8,418.00	159.86	160.39	23.405	-382.33	7,498.79	1,913.28	1,738.15	175.13	10.925	
17,800.00	10,175.00	16,042.43	8,418.00	161.43	161.96	23.405	-382.10	7,575.47	1,913.28	1,736.52	176.77	10.824	
17,823.32	10,175.00	16,065.75	8,418.00	161.91	162.44	23.405	-382.04	7,598.79	1,913.28	1,736.02	177.26	10.793	
17,900.00	10,175.00	16,142.43	8,418.00	163.48	164.01	23.405	-381.81	7,675.47	1,913.28	1,734.38	178.90	10.695	
17,923.32	10,175.00	16,165.75	8,418.00	163.96	164.48	23.405	-381.74	7,698.79	1,913.28	1,733.89	179.40	10.665	
18,000.00	10,175.00	16,242.43	8,418.00	165.54	166.06	23.405	-381.52	7,775.47	1,913.28	1,732.25	181.03	10.569	
18,023.32	10,175.00	16,265.75	8,418.00	166.02	166.53	23.405	-381.45	7,798.79	1,913.28	1,731.75	181.53	10.540	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1											Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1											Offset Well Error: 0.00 usft	
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor	
18,100.00	10,175.00	16,342.43	8,418.00	167.59	168.10	23.405	-381.23	7,875.47	1,913.28	1,730.11	183.17	10.446
18,123.32	10,175.00	16,365.75	8,418.00	168.07	168.58	23.405	-381.16	7,898.79	1,913.28	1,729.62	183.66	10.417
18,200.00	10,175.00	16,442.43	8,418.00	169.65	170.15	23.405	-380.93	7,975.47	1,913.28	1,727.98	185.30	10.325
18,223.32	10,175.00	16,465.75	8,418.00	170.13	170.63	23.405	-380.87	7,998.79	1,913.28	1,727.48	185.80	10.297
18,300.00	10,175.00	16,542.43	8,418.00	171.70	172.20	23.405	-380.64	8,075.47	1,913.28	1,725.84	187.44	10.207
18,323.32	10,175.00	16,565.75	8,418.00	172.18	172.68	23.405	-380.57	8,098.79	1,913.28	1,725.34	187.94	10.180
18,400.00	10,175.00	16,642.43	8,418.00	173.76	174.26	23.405	-380.35	8,175.47	1,913.28	1,723.70	189.58	10.092
18,423.32	10,175.00	16,665.75	8,418.00	174.24	174.73	23.405	-380.28	8,198.79	1,913.28	1,723.21	190.08	10.066
18,500.00	10,175.00	16,742.43	8,418.00	175.81	176.31	23.405	-380.06	8,275.47	1,913.28	1,721.57	191.72	9.980
18,523.32	10,175.00	16,765.75	8,418.00	176.29	176.78	23.405	-379.99	8,298.79	1,913.28	1,721.07	192.21	9.954
18,600.00	10,175.00	16,842.43	8,418.00	177.87	178.36	23.405	-379.76	8,375.47	1,913.28	1,719.43	193.86	9.870
18,623.32	10,175.00	16,865.75	8,418.00	178.35	178.84	23.405	-379.70	8,398.79	1,913.28	1,718.93	194.35	9.844
18,700.00	10,175.00	16,942.43	8,418.00	179.93	180.41	23.405	-379.47	8,475.47	1,913.28	1,717.29	196.00	9.762
18,723.32	10,175.00	16,965.75	8,418.00	180.41	180.89	23.405	-379.40	8,498.78	1,913.28	1,716.79	196.49	9.737
18,800.00	10,175.00	17,042.43	8,418.00	181.98	182.46	23.405	-379.18	8,575.47	1,913.28	1,715.14	198.14	9.656
18,823.32	10,175.00	17,065.75	8,418.00	182.46	182.94	23.405	-379.11	8,598.78	1,913.28	1,714.64	198.64	9.632
18,900.00	10,175.00	17,142.43	8,418.00	184.04	184.51	23.405	-378.89	8,675.47	1,913.28	1,713.00	200.28	9.553
18,923.32	10,175.00	17,165.75	8,418.00	184.52	184.99	23.405	-378.82	8,698.78	1,913.28	1,712.50	200.78	9.529
19,000.00	10,175.00	17,242.43	8,418.00	186.10	186.57	23.405	-378.60	8,775.47	1,913.28	1,710.86	202.42	9.452
19,023.32	10,175.00	17,265.75	8,418.00	186.58	187.05	23.405	-378.53	8,798.78	1,913.28	1,710.36	202.92	9.429
19,100.00	10,175.00	17,342.43	8,418.00	188.15	188.62	23.405	-378.30	8,875.47	1,913.28	1,708.72	204.57	9.353
19,123.32	10,175.00	17,365.75	8,418.00	188.63	189.10	23.405	-378.23	8,898.78	1,913.28	1,708.22	205.07	9.330
19,200.00	10,175.00	17,442.43	8,418.00	190.21	190.68	23.405	-378.01	8,975.47	1,913.28	1,706.57	206.71	9.256
19,223.32	10,175.00	17,465.75	8,418.00	190.69	191.15	23.405	-377.94	8,998.78	1,913.28	1,706.07	207.21	9.234
19,300.00	10,175.00	17,542.43	8,418.00	192.27	192.73	23.405	-377.72	9,075.46	1,913.28	1,704.43	208.85	9.161
19,323.32	10,175.00	17,565.75	8,418.00	192.75	193.21	23.405	-377.65	9,098.78	1,913.28	1,703.93	209.35	9.139
19,400.00	10,175.00	17,642.43	8,418.00	194.33	194.78	23.405	-377.43	9,175.46	1,913.28	1,702.28	211.00	9.068
19,423.32	10,175.00	17,665.75	8,418.00	194.81	195.26	23.405	-377.36	9,198.78	1,913.28	1,701.78	211.50	9.046
19,500.00	10,175.00	17,742.43	8,418.00	196.39	196.84	23.405	-377.13	9,275.46	1,913.28	1,700.13	213.15	8.976
19,523.32	10,175.00	17,765.75	8,418.00	196.87	197.32	23.405	-377.06	9,298.78	1,913.28	1,699.63	213.65	8.955
19,600.00	10,175.00	17,842.43	8,418.00	198.45	198.89	23.405	-376.84	9,375.46	1,913.28	1,697.99	215.29	8.887
19,623.32	10,175.00	17,865.75	8,418.00	198.93	199.37	23.405	-376.77	9,398.78	1,913.28	1,697.49	215.79	8.866
19,700.00	10,175.00	17,942.43	8,418.00	200.50	200.95	23.405	-376.55	9,475.46	1,913.28	1,695.84	217.44	8.799
19,723.32	10,175.00	17,965.75	8,418.00	200.99	201.43	23.405	-376.48	9,498.78	1,913.28	1,695.34	217.94	8.779
19,800.00	10,175.00	18,042.43	8,418.00	202.56	203.00	23.405	-376.26	9,575.46	1,913.28	1,693.69	219.59	8.713
19,823.32	10,175.00	18,065.75	8,418.00	203.04	203.48	23.405	-376.19	9,598.78	1,913.28	1,693.19	220.09	8.693
19,900.00	10,175.00	18,142.43	8,418.00	204.62	205.06	23.405	-375.96	9,675.46	1,913.28	1,691.54	221.74	8.629
19,923.32	10,175.00	18,165.75	8,418.00	205.10	205.54	23.405	-375.89	9,698.78	1,913.28	1,691.04	222.24	8.609
20,000.00	10,175.00	18,242.43	8,418.00	206.68	207.12	23.405	-375.67	9,775.46	1,913.28	1,689.39	223.89	8.546
20,023.32	10,175.00	18,265.75	8,418.00	207.16	207.60	23.405	-375.60	9,798.78	1,913.28	1,688.89	224.39	8.527
20,100.00	10,175.00	18,342.43	8,418.00	208.74	209.17	23.405	-375.38	9,875.46	1,913.28	1,687.24	226.04	8.464
20,123.32	10,175.00	18,365.75	8,418.00	209.22	209.65	23.405	-375.31	9,898.78	1,913.28	1,686.74	226.54	8.446
20,200.00	10,175.00	18,442.43	8,418.00	210.80	211.23	23.405	-375.09	9,975.46	1,913.28	1,685.09	228.19	8.385
20,223.32	10,175.00	18,465.75	8,418.00	211.28	211.71	23.405	-375.02	9,998.78	1,913.28	1,684.59	228.69	8.366
20,300.00	10,175.00	18,542.43	8,418.00	212.86	213.29	23.405	-374.79	10,075.46	1,913.28	1,682.94	230.34	8.306
20,323.32	10,175.00	18,565.75	8,418.00	213.34	213.77	23.405	-374.72	10,098.78	1,913.28	1,682.44	230.84	8.288
20,400.00	10,175.00	18,642.43	8,418.00	214.92	215.34	23.405	-374.50	10,175.46	1,913.28	1,680.79	232.49	8.229
20,423.32	10,175.00	18,665.75	8,418.00	215.40	215.82	23.405	-374.43	10,198.78	1,913.28	1,680.29	232.99	8.212
20,500.00	10,175.00	18,742.43	8,418.00	216.98	217.40	23.405	-374.21	10,275.46	1,913.28	1,678.64	234.64	8.154
20,523.32	10,175.00	18,765.75	8,418.00	217.47	217.88	23.405	-374.14	10,298.78	1,913.28	1,678.14	235.15	8.137
20,600.00	10,175.00	18,842.43	8,418.00	219.05	219.46	23.405	-373.92	10,375.46	1,913.28	1,676.49	236.80	8.080
20,623.32	10,175.00	18,865.75	8,418.00	219.53	219.94	23.405	-373.85	10,398.78	1,913.28	1,675.98	237.30	8.063

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	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)		
20,700.00	10,175.00	18,942.43	8,418.00	221.11	221.52	23.405	-373.62	10,475.46	1,913.28	1,674.33	238.95	8.007	
20,723.32	10,175.00	18,965.75	8,418.00	221.59	222.00	23.405	-373.55	10,498.78	1,913.28	1,673.83	239.45	7.990	
20,800.00	10,175.00	19,042.43	8,418.00	223.17	223.58	23.405	-373.33	10,575.46	1,913.28	1,672.18	241.10	7.936	
20,823.32	10,175.00	19,065.75	8,418.00	223.65	224.06	23.405	-373.26	10,598.78	1,913.28	1,671.68	241.60	7.919	
20,900.00	10,175.00	19,142.43	8,418.00	225.23	225.63	23.405	-373.04	10,675.46	1,913.28	1,670.02	243.26	7.865	
20,923.32	10,175.00	19,165.75	8,418.00	225.71	226.11	23.405	-372.97	10,698.78	1,913.28	1,669.52	243.76	7.849	
21,000.00	10,175.00	19,242.43	8,418.00	227.29	227.69	23.405	-372.75	10,775.46	1,913.28	1,667.87	245.41	7.796	
21,023.32	10,175.00	19,265.75	8,418.00	227.77	228.17	23.405	-372.68	10,798.77	1,913.28	1,667.37	245.91	7.780	
21,100.00	10,175.00	19,342.43	8,418.00	229.35	229.75	23.405	-372.45	10,875.46	1,913.28	1,665.72	247.57	7.728	
21,123.32	10,175.00	19,365.75	8,418.00	229.83	230.23	23.405	-372.38	10,898.77	1,913.28	1,665.21	248.07	7.713	
21,200.00	10,175.00	19,442.43	8,418.00	231.41	231.81	23.405	-372.16	10,975.46	1,913.28	1,663.56	249.72	7.662	
21,223.32	10,175.00	19,465.75	8,418.00	231.90	232.29	23.405	-372.09	10,998.77	1,913.28	1,663.06	250.22	7.646	
21,300.00	10,175.00	19,542.43	8,418.00	233.48	233.87	23.405	-371.87	11,075.46	1,913.28	1,661.40	251.88	7.596	
21,323.32	10,175.00	19,565.75	8,418.00	233.96	234.35	23.405	-371.80	11,098.77	1,913.28	1,660.90	252.38	7.581	
21,400.00	10,175.00	19,642.43	8,418.00	235.54	235.93	23.405	-371.58	11,175.46	1,913.28	1,659.25	254.03	7.532	
21,423.32	10,175.00	19,665.75	8,418.00	236.02	236.41	23.405	-371.51	11,198.77	1,913.28	1,658.75	254.54	7.517	
21,500.00	10,175.00	19,742.43	8,418.00	237.60	237.99	23.405	-371.28	11,275.46	1,913.28	1,657.09	256.19	7.468	
21,523.32	10,175.00	19,765.75	8,418.00	238.08	238.47	23.405	-371.21	11,298.77	1,913.28	1,656.59	256.69	7.454	
21,600.00	10,175.00	19,842.43	8,418.00	239.66	240.05	23.405	-370.99	11,375.45	1,913.28	1,654.94	258.35	7.406	
21,623.32	10,175.00	19,865.75	8,418.00	240.14	240.53	23.405	-370.92	11,398.77	1,913.28	1,654.43	258.85	7.391	
21,700.00	10,175.00	19,942.43	8,418.00	241.73	242.11	23.405	-370.70	11,475.45	1,913.28	1,652.78	260.50	7.345	
21,723.32	10,175.00	19,965.75	8,418.00	242.21	242.59	23.405	-370.63	11,498.77	1,913.28	1,652.28	261.01	7.330	
21,800.00	10,175.00	20,042.43	8,418.00	243.79	244.17	23.405	-370.41	11,575.45	1,913.28	1,650.62	262.66	7.284	
21,823.32	10,175.00	20,065.75	8,418.00	244.27	244.65	23.405	-370.34	11,598.77	1,913.28	1,650.12	263.16	7.270	
21,900.00	10,175.00	20,142.43	8,418.00	245.85	246.23	23.405	-370.11	11,675.45	1,913.28	1,648.46	264.82	7.225	
21,923.32	10,175.00	20,165.75	8,418.00	246.33	246.71	23.405	-370.04	11,698.77	1,913.28	1,647.96	265.32	7.211	
22,000.00	10,175.00	20,242.43	8,418.00	247.91	248.29	23.405	-369.82	11,775.45	1,913.28	1,646.30	266.98	7.166	
22,023.32	10,175.00	20,265.75	8,418.00	248.39	248.77	23.405	-369.75	11,798.77	1,913.28	1,645.80	267.48	7.153	
22,100.00	10,175.00	20,342.43	8,418.00	249.98	250.35	23.405	-369.53	11,875.45	1,913.28	1,644.15	269.14	7.109	
22,123.32	10,175.00	20,365.75	8,418.00	250.46	250.83	23.405	-369.46	11,898.77	1,913.28	1,643.64	269.64	7.096	
22,200.00	10,175.00	20,442.43	8,418.00	252.04	252.41	23.405	-369.24	11,975.45	1,913.28	1,641.99	271.29	7.052	
22,223.32	10,175.00	20,465.75	8,418.00	252.52	252.89	23.405	-369.17	11,998.77	1,913.28	1,641.48	271.80	7.039	
22,300.00	10,175.00	20,542.43	8,418.00	254.10	254.47	23.405	-368.94	12,075.45	1,913.28	1,639.83	273.45	6.997	
22,323.32	10,175.00	20,565.75	8,418.00	254.58	254.95	23.405	-368.87	12,098.77	1,913.28	1,639.32	273.96	6.984	
22,400.00	10,175.00	20,642.43	8,418.00	256.17	256.53	23.405	-368.65	12,175.45	1,913.28	1,637.67	275.61	6.942	
22,423.32	10,175.00	20,665.75	8,418.00	256.65	257.01	23.405	-368.58	12,198.77	1,913.28	1,637.17	276.12	6.929	
22,500.00	10,175.00	20,742.43	8,418.00	258.23	258.60	23.405	-368.36	12,275.45	1,913.28	1,635.51	277.77	6.888	
22,523.32	10,175.00	20,765.75	8,418.00	258.71	259.08	23.405	-368.29	12,298.77	1,913.28	1,635.01	278.28	6.875	
22,600.00	10,175.00	20,842.43	8,418.00	260.29	260.66	23.405	-368.07	12,375.45	1,913.28	1,633.35	279.93	6.835	
22,623.32	10,175.00	20,865.75	8,418.00	260.77	261.14	23.405	-368.00	12,398.77	1,913.28	1,632.85	280.44	6.823	
22,700.00	10,175.00	20,942.43	8,418.00	262.36	262.72	23.405	-367.77	12,475.45	1,913.28	1,631.19	282.09	6.782	
22,723.32	10,175.00	20,965.75	8,418.00	262.84	263.20	23.405	-367.71	12,498.77	1,913.28	1,630.68	282.60	6.770	
22,800.00	10,175.00	21,042.43	8,418.00	264.42	264.78	23.405	-367.48	12,575.45	1,913.28	1,629.03	284.25	6.731	
22,823.32	10,175.00	21,065.75	8,418.00	264.90	265.26	23.405	-367.41	12,598.77	1,913.28	1,628.52	284.76	6.719	
22,900.00	10,175.00	21,142.43	8,418.00	266.48	266.84	23.405	-367.19	12,675.45	1,913.28	1,626.87	286.41	6.680	
22,923.32	10,175.00	21,165.75	8,418.00	266.97	267.32	23.405	-367.12	12,698.77	1,913.28	1,626.36	286.92	6.668	
23,000.00	10,175.00	21,242.43	8,418.00	268.55	268.90	23.405	-366.90	12,775.45	1,913.28	1,624.71	288.58	6.630	
23,023.32	10,175.00	21,265.75	8,418.00	269.03	269.38	23.405	-366.83	12,798.77	1,913.28	1,624.20	289.08	6.619	
23,100.00	10,175.00	21,342.43	8,418.00	270.61	270.97	23.405	-366.60	12,875.45	1,913.28	1,622.54	290.74	6.581	
23,123.32	10,175.00	21,365.75	8,418.00	271.09	271.45	23.405	-366.54	12,898.77	1,913.28	1,622.04	291.24	6.569	
23,200.00	10,175.00	21,442.43	8,418.00	272.68	273.03	23.405	-366.31	12,975.45	1,913.28	1,620.38	292.90	6.532	
23,223.32	10,175.00	21,465.75	8,418.00	273.16	273.51	23.405	-366.24	12,998.77	1,913.28	1,619.88	293.40	6.521	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				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)	Minimum Separation (usft)	Separation Factor	
23,300.00	10,175.00	21,542.43	8,418.00	274.74	275.09	23.405	-366.02	13,075.45	1,913.28	1,618.22	295.06	6.484	
23,323.32	10,175.00	21,565.75	8,418.00	275.22	275.57	23.405	-365.95	13,098.77	1,913.28	1,617.72	295.56	6.473	
23,400.00	10,175.00	21,642.43	8,418.00	276.80	277.15	23.405	-365.73	13,175.45	1,913.28	1,616.06	297.22	6.437	
23,423.32	10,175.00	21,665.75	8,418.00	277.29	277.63	23.405	-365.66	13,198.76	1,913.28	1,615.55	297.73	6.426	
23,500.00	10,175.00	21,742.43	8,418.00	278.87	279.21	23.405	-365.43	13,275.45	1,913.28	1,613.90	299.38	6.391	
23,517.20	10,175.00	21,759.63	8,418.00	279.22	279.57	23.405	-365.38	13,292.64	1,913.28	1,613.52	299.76	6.383	
23,573.59	10,175.00	21,816.02	8,418.00	280.39	280.73	23.405	-365.22	13,349.03	1,913.28	1,612.31	300.98	6.357 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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error: 0.00 usft
Survey Program: 0-GYRO-NS													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	
0.00	0.00	0.00	0.00	0.00	0.00	-8.092	1,394.07	-198.21	1,408.23				
100.00	100.00	78.81	78.81	0.79	0.96	-8.104	1,394.07	-198.50	1,408.13	1,406.39	1.74	807.114	
200.00	200.00	176.87	176.86	1.45	2.15	-8.152	1,394.08	-199.71	1,408.31	1,404.71	3.60	391.407	
300.00	300.00	273.68	273.66	1.89	2.85	-8.225	1,394.16	-201.51	1,408.66	1,403.92	4.74	296.971	
400.00	400.00	370.12	370.08	2.25	3.40	-8.293	1,394.50	-203.25	1,409.27	1,403.61	5.65	249.301	
500.00	500.00	471.86	471.80	2.57	3.92	-8.362	1,394.98	-205.05	1,409.99	1,403.51	6.48	217.515	
600.00	600.00	575.98	575.91	2.85	4.42	-8.442	1,395.17	-207.06	1,410.45	1,403.19	7.27	194.138	
700.00	700.00	675.80	675.70	3.11	4.87	-8.519	1,395.17	-208.99	1,410.74	1,402.77	7.97	176.938	
800.00	800.00	774.33	774.22	3.35	5.30	-8.579	1,395.32	-210.51	1,411.13	1,402.48	8.65	163.181	
900.00	900.00	873.33	873.22	3.58	5.72	-8.625	1,395.62	-211.69	1,411.60	1,402.31	9.29	151.911	
1,000.00	1,000.00	972.51	972.38	3.79	6.13	-8.664	1,396.00	-212.73	1,412.14	1,402.22	9.92	142.356	
1,100.00	1,100.00	1,070.48	1,070.35	3.99	6.53	-8.701	1,396.47	-213.72	1,412.76	1,402.24	10.52	134.264	
1,200.00	1,200.00	1,167.98	1,167.84	4.19	6.92	-8.748	1,397.06	-214.97	1,413.56	1,402.45	11.11	127.227	
1,300.00	1,300.00	1,267.44	1,267.29	4.38	7.31	-8.800	1,397.77	-216.39	1,414.49	1,402.79	11.69	120.972	
1,400.00	1,400.00	1,367.85	1,367.69	4.56	7.71	-8.838	1,398.53	-217.45	1,415.40	1,403.13	12.27	115.365	
1,500.00	1,500.00	1,471.82	1,471.65	4.74	8.11	-8.864	1,399.25	-218.22	1,416.19	1,403.34	12.85	110.226	
1,600.00	1,600.00	1,577.45	1,577.28	4.91	8.51	-8.893	1,399.57	-218.99	1,416.61	1,403.18	13.43	105.514	
1,700.00	1,700.00	1,675.98	1,675.81	5.08	8.89	-8.917	1,399.69	-219.62	1,416.82	1,402.85	13.97	101.435	
1,800.00	1,800.00	1,772.59	1,772.42	5.24	9.25	-8.928	1,400.07	-219.94	1,417.26	1,402.77	14.50	97.763	
1,900.00	1,900.00	1,873.13	1,872.96	5.40	9.63	-8.925	1,400.66	-219.95	1,417.84	1,402.81	15.03	94.306	
2,000.00	2,000.00	1,975.24	1,975.06	5.56	10.02	-8.909	1,401.17	-219.63	1,418.29	1,402.72	15.57	91.072	
2,100.00	2,100.00	2,079.82	2,079.64	5.71	10.40	-8.885	1,401.50	-219.08	1,418.52	1,402.41	16.11	88.025	
2,200.00	2,200.00	2,185.21	2,185.03	5.86	10.79	-8.864	1,401.44	-218.56	1,418.39	1,401.73	16.66	85.160	
2,300.00	2,300.00	2,282.46	2,282.28	6.01	11.15	-8.844	1,401.25	-218.04	1,418.11	1,400.95	17.16	82.633	
2,346.92	2,346.92	2,327.46	2,327.28	6.08	11.32	-8.832	1,401.27	-217.73	1,418.08	1,400.69	17.40	81.521	
2,400.00	2,400.00	2,378.38	2,378.19	6.16	11.50	-8.815	1,401.37	-217.32	1,418.12	1,400.46	17.66	80.303	
2,500.00	2,500.00	2,477.01	2,476.82	6.30	11.87	-8.773	1,401.75	-216.31	1,418.34	1,400.18	18.16	78.083	
2,600.00	2,599.98	2,576.40	2,576.20	6.51	12.23	-8.703	1,402.23	-214.93	1,417.09	1,398.36	18.73	75.670	
2,700.00	2,699.84	2,669.86	2,669.65	6.74	12.57	-8.600	1,402.88	-213.60	1,412.99	1,393.72	19.27	73.324	
2,800.00	2,799.45	2,761.41	2,761.19	6.95	12.91	-8.550	1,403.92	-213.01	1,406.43	1,386.64	19.79	71.057	
2,900.00	2,898.93	2,855.40	2,855.16	7.26	13.25	-8.475	1,405.39	-213.10	1,399.07	1,378.63	20.44	68.460	
3,000.00	2,998.40	2,951.24	2,950.99	7.46	13.60	-8.394	1,407.12	-213.60	1,392.02	1,371.05	20.97	66.396	
3,100.00	3,097.87	3,047.28	3,047.01	7.67	13.94	-8.302	1,409.07	-214.44	1,385.25	1,363.74	21.51	64.409	
3,200.00	3,197.34	3,143.52	3,143.22	7.90	14.29	-8.209	1,411.23	-215.56	1,378.75	1,356.69	22.06	62.501	
3,300.00	3,296.82	3,241.46	3,241.11	8.14	14.65	-8.117	1,413.62	-216.95	1,372.48	1,349.86	22.63	60.652	
3,400.00	3,396.29	3,341.73	3,341.34	8.39	15.01	-8.034	1,416.07	-218.38	1,366.24	1,343.03	23.21	58.852	
3,500.00	3,495.76	3,441.85	3,441.42	8.66	15.37	-7.951	1,418.48	-219.77	1,359.97	1,336.17	23.81	57.122	
3,600.00	3,595.23	3,541.75	3,541.30	8.93	15.73	-7.868	1,420.88	-221.09	1,353.70	1,329.29	24.41	55.462	
3,700.00	3,694.71	3,642.79	3,642.29	9.22	16.09	-7.785	1,423.28	-222.37	1,347.41	1,322.39	25.02	53.859	
3,800.00	3,794.18	3,745.38	3,744.86	9.51	16.46	-7.702	1,425.54	-223.56	1,340.95	1,315.31	25.64	52.303	
3,900.00	3,893.65	3,847.02	3,846.47	9.81	16.83	-7.619	1,427.59	-224.65	1,334.31	1,308.05	26.26	50.812	
4,000.00	3,993.13	3,947.61	3,947.03	10.12	17.19	-7.536	1,429.52	-225.74	1,327.59	1,300.71	26.88	49.386	
4,100.00	4,092.60	4,046.65	4,046.05	10.44	17.54	-7.453	1,431.38	-226.85	1,320.85	1,293.35	27.50	48.027	
4,200.00	4,192.07	4,144.04	4,143.41	10.76	17.89	-7.370	1,433.35	-227.94	1,314.26	1,286.14	28.12	46.737	
4,300.00	4,291.54	4,242.28	4,241.62	11.08	18.24	-7.287	1,435.49	-229.05	1,307.85	1,279.11	28.74	45.499	
4,400.00	4,391.02	4,341.64	4,340.95	11.41	18.60	-7.204	1,437.70	-230.18	1,301.51	1,272.13	29.38	44.306	
4,500.00	4,490.49	4,441.74	4,441.02	11.75	18.95	-7.121	1,439.95	-231.32	1,295.20	1,265.19	30.01	43.157	
4,600.00	4,589.96	4,542.88	4,542.13	12.09	19.32	-7.038	1,442.13	-232.42	1,288.81	1,258.16	30.65	42.047	
4,700.00	4,689.43	4,643.06	4,642.28	12.43	19.67	-6.955	1,444.20	-233.46	1,282.34	1,251.05	31.29	40.982	
4,800.00	4,788.91	4,742.00	4,741.19	12.78	20.03	-6.872	1,446.28	-234.47	1,275.93	1,244.00	31.93	39.965	
4,900.00	4,888.38	4,840.84	4,840.01	13.13	20.38	-6.789	1,448.41	-235.48	1,269.59	1,237.02	32.56	38.989	
5,000.00	4,987.85	4,939.56	4,938.70	13.48	20.73	-6.706	1,450.61	-236.53	1,263.34	1,230.14	33.20	38.052	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error: 0.00 usft
Survey Program: 0-GYRO-NS													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
5,100.00	5,087.33	5,039.92	5,039.02	13.84	21.26	34.028	1,452.90	-237.66	1,257.16	1,223.14	34.02	36.957	
5,200.00	5,186.80	5,142.83	5,141.90	14.20	22.07	34.248	1,455.03	-238.92	1,250.80	1,215.69	35.12	35.618	
5,300.00	5,286.27	5,245.71	5,244.76	14.56	22.89	34.463	1,456.89	-240.32	1,244.21	1,207.99	36.22	34.353	
5,400.00	5,385.74	5,348.58	5,347.60	14.92	23.70	34.674	1,458.48	-241.85	1,237.38	1,200.06	37.32	33.156	
5,500.00	5,485.22	5,449.13	5,448.14	15.29	24.27	34.877	1,459.81	-243.44	1,230.35	1,192.17	38.18	32.227	
5,600.00	5,584.69	5,547.40	5,546.38	15.66	24.60	35.082	1,461.19	-244.92	1,223.40	1,184.61	38.79	31.538	
5,700.00	5,684.16	5,645.15	5,644.12	16.02	24.92	35.291	1,462.68	-246.32	1,216.59	1,177.19	39.40	30.875	
5,800.00	5,783.63	5,742.36	5,741.29	16.40	25.24	35.490	1,464.34	-247.97	1,209.99	1,169.97	40.02	30.238	
5,900.00	5,883.11	5,842.07	5,840.97	16.77	25.57	35.684	1,466.19	-249.91	1,203.57	1,162.93	40.64	29.618	
6,000.00	5,982.58	5,945.34	5,944.21	17.14	25.92	35.898	1,467.90	-251.72	1,196.95	1,155.68	41.27	29.006	
6,100.00	6,082.05	6,047.61	6,046.46	17.52	26.26	36.124	1,469.31	-253.23	1,190.07	1,148.18	41.89	28.409	
6,200.00	6,181.53	6,148.80	6,147.63	17.89	26.59	36.350	1,470.56	-254.73	1,183.05	1,140.54	42.51	27.829	
6,300.00	6,281.00	6,247.59	6,246.40	18.27	26.92	36.569	1,471.69	-256.28	1,175.97	1,132.85	43.13	27.268	
6,400.00	6,380.47	6,343.98	6,342.76	18.65	27.24	36.769	1,473.01	-258.15	1,169.14	1,125.40	43.74	26.731	
6,500.00	6,479.94	6,442.19	6,440.93	19.03	27.57	36.957	1,474.59	-260.40	1,162.57	1,118.21	44.35	26.211	
6,600.00	6,579.42	6,542.83	6,541.54	19.41	27.91	37.156	1,476.19	-262.61	1,155.99	1,111.01	44.98	25.702	
6,700.00	6,678.89	6,643.37	6,642.04	19.79	28.25	37.367	1,477.72	-264.66	1,149.34	1,103.75	45.60	25.207	
6,800.00	6,778.36	6,743.79	6,742.43	20.17	28.59	37.585	1,479.17	-266.58	1,142.65	1,096.43	46.21	24.725	
6,900.00	6,877.84	6,843.82	6,842.44	20.54	28.92	37.792	1,480.56	-268.37	1,135.98	1,089.17	46.81	24.266	
7,000.00	6,977.54	6,943.51	6,942.11	20.93	29.26	37.895	1,481.95	-269.92	1,131.23	1,083.79	47.44	23.846	
7,100.00	7,077.44	7,043.50	7,042.08	21.27	29.59	37.936	1,483.35	-271.25	1,129.26	1,081.22	48.04	23.508	
7,130.61	7,108.04	7,074.18	7,072.75	21.30	29.70	37.935	1,483.78	-271.66	1,129.16	1,081.00	48.17	23.442	
7,200.00	7,177.43	7,143.71	7,142.27	21.38	29.93	0.125	1,484.74	-272.60	1,129.91	1,081.44	48.47	23.312	
7,300.00	7,277.43	7,244.07	7,242.61	21.43	30.27	0.051	1,486.11	-274.05	1,131.28	1,082.39	48.88	23.143	
7,400.00	7,377.43	7,344.60	7,343.12	21.48	30.61	-0.036	1,487.43	-275.77	1,132.59	1,083.30	49.29	22.976	
7,500.00	7,477.43	7,445.19	7,443.68	21.54	30.95	-0.137	1,488.71	-277.77	1,133.87	1,084.16	49.71	22.810	
7,600.00	7,577.43	7,545.85	7,544.31	21.59	31.29	-0.242	1,489.93	-279.86	1,135.08	1,084.96	50.13	22.644	
7,700.00	7,677.43	7,646.29	7,644.72	21.65	31.63	-0.349	1,491.08	-281.98	1,136.25	1,085.70	50.54	22.481	
7,800.00	7,777.43	7,746.46	7,744.87	21.70	31.97	-0.447	1,492.22	-283.95	1,137.39	1,086.43	50.96	22.320	
7,900.00	7,877.43	7,847.32	7,845.70	21.75	32.31	-0.538	1,493.32	-285.76	1,138.50	1,087.13	51.37	22.161	
8,000.00	7,977.43	7,948.94	7,947.30	21.81	32.66	-0.626	1,494.31	-287.51	1,139.50	1,087.71	51.79	22.002	
8,100.00	8,077.43	8,050.93	8,049.27	21.86	33.00	-0.711	1,495.15	-289.22	1,140.34	1,088.13	52.21	21.842	
8,200.00	8,177.43	8,153.29	8,151.62	21.92	33.35	-0.795	1,495.79	-290.90	1,140.98	1,088.35	52.63	21.680	
8,300.00	8,277.43	8,255.21	8,253.53	21.97	33.70	-0.880	1,496.22	-292.59	1,141.43	1,088.39	53.04	21.518	
8,400.00	8,377.43	8,356.76	8,355.05	22.03	34.04	-0.973	1,496.50	-294.46	1,141.74	1,088.27	53.46	21.356	
8,500.00	8,477.43	8,460.76	8,459.03	22.08	34.40	-1.082	1,496.58	-296.62	1,141.85	1,087.96	53.89	21.189	
8,600.00	8,577.43	8,566.56	8,564.80	22.14	34.76	-1.211	1,496.14	-299.19	1,141.49	1,087.17	54.32	21.014	
8,700.00	8,677.43	8,668.71	8,666.91	22.20	35.10	-1.351	1,495.31	-301.95	1,140.73	1,085.98	54.74	20.837	
8,800.00	8,777.43	8,769.17	8,767.33	22.25	35.44	-1.490	1,494.42	-304.70	1,139.91	1,084.74	55.17	20.663	
8,900.00	8,877.43	8,870.72	8,868.83	22.31	35.79	-1.634	1,493.44	-307.55	1,139.02	1,083.43	55.59	20.489	
9,000.00	8,977.43	8,972.73	8,970.79	22.36	36.14	-1.792	1,492.27	-310.66	1,137.97	1,081.95	56.02	20.314	
9,100.00	9,077.43	9,072.80	9,070.80	22.42	36.48	-1.953	1,491.00	-313.80	1,136.80	1,080.36	56.44	20.140	
9,200.00	9,177.43	9,172.17	9,170.13	22.48	36.82	-2.096	1,489.79	-316.59	1,135.69	1,078.82	56.87	19.971	
9,300.00	9,277.43	9,275.46	9,273.38	22.53	37.17	-2.229	1,488.47	-319.19	1,134.50	1,077.21	57.29	19.802	
9,400.00	9,377.43	9,380.26	9,378.13	22.59	37.53	-2.359	1,486.71	-321.68	1,132.92	1,075.20	57.72	19.627	
9,500.00	9,477.43	9,483.20	9,481.02	22.65	37.88	-2.484	1,484.61	-324.07	1,130.98	1,072.83	58.15	19.451	
9,600.00	9,577.43	9,585.69	9,583.46	22.70	38.23	-2.613	1,482.28	-326.52	1,128.82	1,070.25	58.57	19.273	
9,700.00	9,677.21	9,684.09	9,681.80	22.62	38.57	-92.956	1,479.97	-328.81	1,126.81	1,067.86	58.95	19.113	
9,788.64	9,763.84	9,768.76	9,766.43	22.47	38.86	-94.009	1,478.12	-330.56	1,126.10	1,066.74	59.36	18.971 CC	
9,800.00	9,774.71	9,779.37	9,777.04	22.45	38.89	-94.175	1,477.89	-330.76	1,126.11	1,066.69	59.42	18.953 ES	
9,900.00	9,866.95	9,871.37	9,869.00	22.28	39.21	-95.883	1,475.97	-332.40	1,127.71	1,067.77	59.94	18.814	
10,000.00	9,951.15	9,955.74	9,953.34	22.13	39.49	-97.698	1,474.16	-333.74	1,133.05	1,072.56	60.49	18.731 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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error: 0.00 usft
Survey Program: 0-GYRO-NS													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	
10,100.00	10,024.73	10,029.27	10,026.85	22.05	39.75	-99.141	1,472.52	-334.81	1,144.00	1,082.94	61.05	18.737	
10,200.00	10,085.48	10,089.50	10,087.06	22.07	39.95	-99.717	1,471.14	-335.69	1,162.30	1,100.68	61.62	18.861	
10,300.00	10,131.54	10,134.65	10,132.19	22.26	40.11	-98.978	1,470.07	-336.38	1,189.18	1,126.99	62.20	19.119	
10,400.00	10,161.50	10,163.37	10,160.90	22.65	40.20	-96.559	1,469.37	-336.83	1,225.00	1,162.23	62.77	19.516	
10,500.00	10,174.47	10,174.85	10,172.37	23.24	40.24	-92.240	1,469.09	-337.02	1,269.08	1,205.75	63.32	20.042	
10,600.00	10,175.00	10,173.77	10,171.29	24.01	40.24	-90.819	1,469.12	-337.00	1,319.82	1,255.98	63.84	20.674	
10,700.00	10,175.00	10,172.16	10,169.68	24.94	40.23	-90.736	1,469.16	-336.97	1,375.98	1,311.65	64.34	21.388	
10,800.00	10,175.00	10,170.55	10,168.07	26.01	40.23	-90.654	1,469.20	-336.95	1,436.92	1,372.12	64.80	22.176	
10,900.00	10,175.00	10,168.95	10,166.47	27.21	40.22	-90.571	1,469.24	-336.92	1,502.04	1,436.82	65.22	23.030	
11,000.00	10,175.00	10,167.35	10,164.87	28.51	40.22	-90.489	1,469.27	-336.90	1,570.83	1,505.23	65.60	23.944	
11,100.00	10,175.00	10,165.75	10,163.27	29.91	40.21	-90.407	1,469.31	-336.87	1,642.83	1,576.88	65.95	24.910	
11,200.00	10,175.00	10,164.16	10,161.68	31.39	40.21	-90.325	1,469.35	-336.85	1,717.63	1,651.37	66.26	25.923	
11,300.00	10,175.00	10,162.57	10,160.09	32.94	40.20	-90.243	1,469.39	-336.82	1,794.89	1,728.35	66.54	26.975	
11,400.00	10,175.00	10,160.98	10,158.51	34.55	40.20	-90.162	1,469.43	-336.80	1,874.30	1,807.51	66.79	28.063	
11,500.00	10,175.00	10,159.40	10,156.92	36.21	40.19	-90.080	1,469.47	-336.77	1,955.60	1,888.58	67.01	29.182	
11,600.00	10,175.00	10,157.81	10,155.34	37.91	40.18	-89.999	1,469.51	-336.75	2,038.56	1,971.34	67.22	30.328	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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		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)			
12,000.00	10,175.00	9,155.00	9,136.95	45.05	31.32	58.498	-1,284.12	2,467.33	2,051.05	1,986.43	64.62	31.742	
12,044.94	10,175.00	9,155.00	9,136.95	45.88	31.32	58.498	-1,284.12	2,467.33	2,036.39	1,970.97	65.42	31.127	
12,100.00	10,175.00	9,155.00	9,136.95	46.89	31.32	58.498	-1,284.12	2,467.33	2,019.64	1,953.23	66.42	30.408	
12,143.05	10,175.00	9,155.00	9,136.95	47.69	31.32	58.498	-1,284.12	2,467.33	2,007.50	1,940.30	67.21	29.870	
12,200.00	10,175.00	9,155.00	9,136.95	48.76	31.32	58.498	-1,284.12	2,467.33	1,992.76	1,924.51	68.26	29.196	
12,241.08	10,175.00	9,155.00	9,136.95	49.53	31.32	58.498	-1,284.12	2,467.33	1,983.08	1,914.06	69.02	28.732	
12,300.00	10,175.00	9,155.00	9,136.95	50.64	31.32	58.498	-1,284.12	2,467.33	1,970.60	1,900.49	70.11	28.106	
12,339.00	10,175.00	9,155.00	9,136.95	51.38	31.32	58.498	-1,284.12	2,467.33	1,963.27	1,892.43	70.84	27.715	
12,400.00	10,175.00	9,155.00	9,136.95	52.53	31.32	58.498	-1,284.12	2,467.33	1,953.31	1,881.34	71.97	27.142	
12,436.82	10,175.00	9,155.00	9,136.95	53.23	31.32	58.498	-1,284.12	2,467.33	1,948.20	1,875.55	72.65	26.818	
12,500.00	10,175.00	9,155.00	9,136.95	54.44	31.32	58.498	-1,284.12	2,467.33	1,941.02	1,867.22	73.80	26.302	
12,534.52	10,175.00	9,155.00	9,136.95	55.10	31.32	58.498	-1,284.12	2,467.33	1,937.96	1,863.54	74.42	26.040	
12,600.00	10,175.00	9,155.00	9,136.95	56.36	31.32	58.498	-1,284.12	2,467.33	1,933.83	1,858.25	75.58	25.585	
12,632.09	10,175.00	9,155.00	9,136.95	56.98	31.32	58.498	-1,284.12	2,467.33	1,932.62	1,856.47	76.15	25.380	
12,689.24	10,175.00	9,155.00	9,136.95	58.08	31.32	58.498	-1,284.12	2,467.33	1,931.77	1,854.65	77.13	25.046 CC	
12,700.00	10,175.00	9,155.00	9,136.95	58.29	31.32	58.498	-1,284.12	2,467.33	1,931.80	1,854.49	77.31	24.988	
12,720.74	10,175.00	9,155.00	9,136.95	58.69	31.32	58.498	-1,284.12	2,467.33	1,932.03	1,854.37	77.66	24.879 ES	
12,800.00	10,175.00	9,155.00	9,136.95	60.23	31.32	58.498	-1,284.12	2,467.33	1,934.95	1,855.99	78.95	24.508	
12,900.00	10,175.00	9,155.00	9,136.95	62.18	31.32	58.498	-1,284.12	2,467.33	1,943.24	1,862.74	80.50	24.139	
13,000.00	10,175.00	9,155.00	9,136.95	64.13	31.32	58.498	-1,284.12	2,467.33	1,956.61	1,874.67	81.94	23.879	
13,100.00	10,175.00	9,155.00	9,136.95	66.10	31.32	58.498	-1,284.12	2,467.33	1,974.96	1,891.70	83.26	23.720	
13,200.00	10,175.00	9,155.00	9,136.95	68.07	31.32	58.498	-1,284.12	2,467.33	1,998.16	1,913.70	84.46	23.658 SF	
13,300.00	10,175.00	9,155.00	9,136.95	70.04	31.32	58.498	-1,284.12	2,467.33	2,026.03	1,940.49	85.53	23.687	
13,400.00	10,175.00	9,155.00	9,136.95	72.03	31.32	58.498	-1,284.12	2,467.33	2,058.38	1,971.90	86.48	23.801	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W05) GULF FEDERAL 002 - 26310 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 200-INC-ONLY													Offset Well Error: 0.00 usft
Reference		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)			
15,800.00	10,175.00	10,169.74	10,162.36	120.48	298.52	90.000	-247.73	7,460.95	1,986.83	1,644.97	341.86	5.812	
15,900.00	10,175.00	10,169.74	10,162.36	122.52	298.52	90.000	-247.73	7,460.95	1,892.18	1,548.01	344.16	5.498	
16,000.00	10,175.00	10,169.74	10,162.36	124.56	298.52	90.000	-247.73	7,460.95	1,798.10	1,451.38	346.72	5.186	
16,100.00	10,175.00	10,169.74	10,162.36	126.60	298.52	90.000	-247.73	7,460.95	1,704.70	1,355.12	349.57	4.877	
16,200.00	10,175.00	10,169.74	10,162.36	128.65	298.52	90.000	-247.73	7,460.95	1,612.08	1,259.33	352.75	4.570	
16,300.00	10,175.00	10,169.74	10,162.36	130.69	298.52	90.000	-247.73	7,460.95	1,520.41	1,164.08	356.32	4.267	
16,400.00	10,175.00	10,169.74	10,162.36	132.74	298.52	90.000	-247.73	7,460.95	1,429.85	1,069.51	360.34	3.968	
16,500.00	10,175.00	10,169.74	10,162.36	134.78	298.52	90.000	-247.73	7,460.95	1,340.63	975.76	364.87	3.674	
16,600.00	10,175.00	10,169.74	10,162.36	136.83	298.52	90.000	-247.73	7,460.95	1,253.04	883.05	369.99	3.387	
16,700.00	10,175.00	10,169.74	10,162.36	138.87	298.52	90.000	-247.73	7,460.95	1,167.45	791.66	375.79	3.107	
16,800.00	10,175.00	10,169.74	10,162.36	140.92	298.52	90.000	-247.73	7,460.95	1,084.33	701.96	382.37	2.836	
16,900.00	10,175.00	10,169.74	10,162.36	142.97	298.52	90.000	-247.73	7,460.95	1,004.29	614.48	389.81	2.576	
17,000.00	10,175.00	10,169.74	10,162.36	145.02	298.52	90.000	-247.73	7,460.95	928.12	529.95	398.18	2.331	
17,100.00	10,175.00	10,169.74	10,162.36	147.07	298.52	90.000	-247.73	7,460.95	856.88	449.41	407.47	2.103	
17,200.00	10,175.00	10,169.74	10,162.36	149.12	298.52	90.000	-247.73	7,460.95	791.87	374.30	417.58	1.896 Level 3	
17,300.00	10,175.00	10,169.74	10,162.36	151.17	298.52	90.000	-247.73	7,460.95	734.77	306.63	428.15	1.716 Level 3	
17,400.00	10,175.00	10,169.74	10,162.36	153.22	298.52	90.000	-247.73	7,460.95	687.54	249.01	438.54	1.568 Level 3	
17,500.00	10,175.00	10,169.74	10,162.36	155.27	298.52	90.000	-247.73	7,460.95	652.34	204.60	447.74	1.457 Level 3	
17,600.00	10,175.00	10,169.74	10,162.36	157.32	298.52	90.000	-247.73	7,460.95	631.16	176.63	454.53	1.389 Level 3	
17,685.88	10,175.00	10,169.74	10,162.36	159.09	298.52	90.000	-247.73	7,460.95	625.29	167.69	457.61	1.366 Level 3, CC	
17,700.00	10,175.00	10,169.74	10,162.36	159.38	298.52	90.000	-247.73	7,460.95	625.45	167.62	457.84	1.366 Level 3, ES, SF	
17,800.00	10,175.00	10,169.74	10,162.36	161.43	298.52	90.000	-247.73	7,460.95	635.62	178.40	457.22	1.390 Level 3	
17,900.00	10,175.00	10,169.74	10,162.36	163.48	298.52	90.000	-247.73	7,460.95	660.94	207.86	453.08	1.459 Level 3	
18,000.00	10,175.00	10,169.74	10,162.36	165.54	298.52	90.000	-247.73	7,460.95	699.76	253.36	446.41	1.568 Level 3	
18,100.00	10,175.00	10,169.74	10,162.36	167.59	298.52	90.000	-247.73	7,460.95	750.00	311.65	438.35	1.711 Level 3	
18,200.00	10,175.00	10,169.74	10,162.36	169.65	298.52	90.000	-247.73	7,460.95	809.52	379.68	429.84	1.883 Level 3	
18,300.00	10,175.00	10,169.74	10,162.36	171.70	298.52	90.000	-247.73	7,460.95	876.44	454.94	421.50	2.079	
18,400.00	10,175.00	10,169.74	10,162.36	173.76	298.52	90.000	-247.73	7,460.95	949.19	535.50	413.69	2.294	
18,500.00	10,175.00	10,169.74	10,162.36	175.81	298.52	90.000	-247.73	7,460.95	1,026.55	619.99	406.56	2.525	
18,600.00	10,175.00	10,169.74	10,162.36	177.87	298.52	90.000	-247.73	7,460.95	1,107.53	707.40	400.13	2.768	
18,700.00	10,175.00	10,169.74	10,162.36	179.93	298.52	90.000	-247.73	7,460.95	1,191.41	797.02	394.39	3.021	
18,800.00	10,175.00	10,169.74	10,162.36	181.98	298.52	90.000	-247.73	7,460.95	1,277.60	888.33	389.28	3.282	
18,900.00	10,175.00	10,169.74	10,162.36	184.04	298.52	90.000	-247.73	7,460.95	1,365.69	980.96	384.73	3.550	
19,000.00	10,175.00	10,169.74	10,162.36	186.10	298.52	90.000	-247.73	7,460.95	1,455.31	1,074.64	380.67	3.823	
19,100.00	10,175.00	10,169.74	10,162.36	188.15	298.52	90.000	-247.73	7,460.95	1,546.20	1,169.15	377.06	4.101	
19,200.00	10,175.00	10,169.74	10,162.36	190.21	298.52	90.000	-247.73	7,460.95	1,638.16	1,264.34	373.82	4.382	
19,300.00	10,175.00	10,169.74	10,162.36	192.27	298.52	90.000	-247.73	7,460.95	1,731.01	1,360.09	370.92	4.667	
19,400.00	10,175.00	10,169.74	10,162.36	194.33	298.52	90.000	-247.73	7,460.95	1,824.62	1,456.30	368.31	4.954	
19,500.00	10,175.00	10,169.74	10,162.36	196.39	298.52	90.000	-247.73	7,460.95	1,918.87	1,552.91	365.96	5.243	
19,600.00	10,175.00	10,169.74	10,162.36	198.45	298.52	90.000	-247.73	7,460.95	2,013.67	1,649.84	363.83	5.535	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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		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	
17,000.00	10,175.00	10,155.31	10,153.19	145.02	253.33	89.995	-1,559.86	7,467.99	2,056.33	1,665.87	390.46	5.266	
17,100.00	10,175.00	10,155.31	10,153.19	147.07	253.33	89.995	-1,559.86	7,467.99	2,025.01	1,630.57	394.44	5.134	
17,200.00	10,175.00	10,155.31	10,153.19	149.12	253.33	89.995	-1,559.86	7,467.99	1,998.21	1,599.98	398.23	5.018	
17,300.00	10,175.00	10,155.31	10,153.19	151.17	253.33	89.995	-1,559.86	7,467.99	1,976.12	1,574.34	401.77	4.918	
17,400.00	10,175.00	10,155.31	10,153.19	153.22	253.33	89.995	-1,559.86	7,467.99	1,958.88	1,553.85	405.03	4.836	
17,500.00	10,175.00	10,155.31	10,153.19	155.27	253.33	89.995	-1,559.86	7,467.99	1,946.64	1,538.68	407.96	4.772	
17,600.00	10,175.00	10,155.31	10,153.19	157.32	253.33	89.995	-1,559.86	7,467.99	1,939.48	1,528.96	410.53	4.724	
17,689.07	10,175.00	10,155.31	10,153.19	159.15	253.33	89.995	-1,559.86	7,467.99	1,937.44	1,524.96	412.48	4.697 CC	
17,700.00	10,175.00	10,155.31	10,153.19	159.38	253.33	89.995	-1,559.86	7,467.99	1,937.47	1,524.77	412.69	4.695 ES	
17,800.00	10,175.00	10,155.31	10,153.19	161.43	253.33	89.995	-1,559.86	7,467.99	1,940.61	1,526.16	414.45	4.682 SF	
17,900.00	10,175.00	10,155.31	10,153.19	163.48	253.33	89.995	-1,559.86	7,467.99	1,948.88	1,533.11	415.77	4.687	
18,000.00	10,175.00	10,155.31	10,153.19	165.54	253.33	89.995	-1,559.86	7,467.99	1,962.23	1,545.55	416.67	4.709	
18,100.00	10,175.00	10,155.31	10,153.19	167.59	253.33	89.995	-1,559.86	7,467.99	1,980.53	1,563.37	417.16	4.748	
18,200.00	10,175.00	10,155.31	10,153.19	169.65	253.33	89.995	-1,559.86	7,467.99	2,003.67	1,586.42	417.25	4.802	
18,300.00	10,175.00	10,155.31	10,153.19	171.70	253.33	89.995	-1,559.86	7,467.99	2,031.47	1,614.50	416.97	4.872	
18,400.00	10,175.00	10,155.31	10,153.19	173.76	253.33	89.995	-1,559.86	7,467.99	2,063.75	1,647.39	416.36	4.957	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 239-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis			Offset Wellbore Centre		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	-63.389	732.37	-1,461.79	1,635.05				
100.00	100.00	86.36	86.36	0.79	1.76	-63.389	732.37	-1,461.79	1,634.99	1,632.44	2.55	641.639	
200.00	200.00	186.36	186.36	1.45	3.80	-63.389	732.37	-1,461.79	1,634.99	1,629.74	5.25	311.458	
300.00	300.00	286.36	286.36	1.89	5.81	-63.389	732.37	-1,461.79	1,634.99	1,627.29	7.70	212.361	
400.00	400.00	386.36	386.36	2.25	7.77	-63.389	732.37	-1,461.79	1,634.99	1,624.97	10.02	163.104	
500.00	500.00	486.36	486.36	2.57	9.73	-63.389	732.37	-1,461.79	1,634.99	1,622.69	12.30	132.912	
600.00	600.00	586.36	586.36	2.85	11.53	-63.389	732.37	-1,461.79	1,634.99	1,620.61	14.38	113.706	
700.00	700.00	687.16	687.15	3.11	13.27	-63.386	732.46	-1,461.79	1,635.04	1,618.65	16.38	99.819	
800.00	800.00	786.36	786.36	3.35	15.29	-63.389	732.37	-1,461.79	1,634.99	1,616.36	18.64	87.732	
900.00	900.00	886.36	886.36	3.58	17.74	-63.389	732.37	-1,461.79	1,634.99	1,613.67	21.32	76.696	
1,000.00	1,000.00	986.39	986.39	3.79	20.20	-63.381	732.62	-1,461.79	1,635.11	1,611.12	23.99	68.162	
1,100.00	1,100.00	1,087.07	1,087.07	3.99	22.67	-63.382	732.57	-1,461.79	1,635.09	1,608.42	26.67	61.319	
1,200.00	1,200.00	1,187.75	1,187.75	4.19	25.14	-63.387	732.43	-1,461.79	1,635.02	1,605.69	29.33	55.738	
1,300.00	1,300.00	1,286.37	1,286.36	4.38	27.61	-63.389	732.37	-1,461.79	1,634.99	1,603.01	31.99	51.114	
1,400.00	1,400.00	1,386.37	1,386.36	4.56	30.13	-63.389	732.37	-1,461.79	1,634.99	1,600.30	34.69	47.134	
1,500.00	1,500.00	1,486.37	1,486.36	4.74	32.64	-63.389	732.37	-1,461.79	1,634.99	1,597.61	37.38	43.735	
1,600.00	1,600.00	1,586.82	1,586.81	4.91	35.17	-63.380	732.65	-1,461.79	1,635.12	1,595.04	40.09	40.790	
1,700.00	1,700.00	1,687.38	1,687.37	5.08	37.71	-63.383	732.55	-1,461.79	1,635.08	1,592.29	42.79	38.215	
1,800.00	1,800.00	1,787.94	1,787.93	5.24	40.24	-63.389	732.38	-1,461.79	1,635.00	1,589.52	45.48	35.947	
1,837.75	1,837.75	1,824.15	1,824.11	5.30	41.08	-63.389	732.37	-1,461.79	1,634.99	1,588.61	46.38	35.253	
1,900.00	1,900.00	1,886.41	1,886.36	5.40	42.49	-63.389	732.37	-1,461.79	1,634.99	1,587.10	47.89	34.139	
2,000.00	2,000.00	1,986.41	1,986.36	5.56	44.76	-63.389	732.37	-1,461.79	1,634.99	1,584.67	50.32	32.492	
2,100.00	2,100.00	2,087.45	2,087.39	5.71	47.06	-63.355	733.44	-1,461.79	1,635.48	1,582.71	52.77	30.993	
2,200.00	2,200.00	2,190.06	2,190.00	5.86	49.39	-63.365	733.12	-1,461.79	1,635.33	1,580.08	55.25	29.599	
2,300.00	2,300.00	2,292.68	2,292.61	6.01	51.72	-63.387	732.43	-1,461.79	1,635.03	1,577.30	57.73	28.323	
2,313.37	2,313.37	2,306.40	2,306.33	6.03	52.03	-63.391	732.31	-1,461.79	1,634.98	1,576.92	58.06	28.160	
2,400.00	2,400.00	2,386.56	2,386.36	6.16	53.76	-63.389	732.37	-1,461.79	1,634.99	1,575.08	59.91	27.289	
2,500.00	2,500.00	2,487.54	2,487.33	6.30	55.94	-63.348	733.67	-1,461.79	1,635.58	1,573.34	62.24	26.278	
2,600.00	2,599.98	2,594.52	2,594.29	6.51	58.26	-25.638	733.02	-1,461.79	1,633.73	1,568.98	64.76	25.229	
2,700.00	2,699.84	2,686.53	2,686.20	6.74	60.21	-25.775	732.37	-1,461.79	1,628.70	1,561.79	66.92	24.340	
2,800.00	2,799.45	2,786.19	2,785.81	6.95	62.29	-25.973	732.37	-1,461.79	1,620.86	1,551.68	69.18	23.429	
2,900.00	2,898.93	2,885.66	2,885.29	7.26	64.40	-26.132	732.37	-1,461.79	1,611.64	1,540.04	71.60	22.509	
3,000.00	2,998.40	2,990.23	2,989.83	7.46	66.63	-26.281	733.02	-1,461.79	1,602.72	1,528.72	74.01	21.657	
3,100.00	3,097.87	3,084.69	3,084.23	7.67	68.59	-26.457	732.37	-1,461.79	1,593.23	1,517.07	76.16	20.919	
3,200.00	3,197.34	3,184.16	3,183.70	7.90	70.55	-26.622	732.37	-1,461.79	1,584.04	1,505.72	78.33	20.223	
3,300.00	3,296.82	3,288.31	3,287.83	8.14	72.60	-26.781	732.84	-1,461.79	1,575.09	1,494.49	80.60	19.543	
3,400.00	3,396.29	3,383.15	3,382.65	8.39	74.34	-26.958	732.37	-1,461.79	1,565.72	1,483.16	82.56	18.965	
3,500.00	3,495.76	3,482.63	3,482.12	8.66	75.98	-27.129	732.37	-1,461.79	1,556.57	1,472.14	84.43	18.435	
3,600.00	3,595.23	3,585.09	3,584.58	8.93	77.67	-27.299	732.61	-1,461.79	1,547.55	1,461.18	86.37	17.918	
3,700.00	3,694.71	3,681.58	3,681.07	9.22	79.55	-27.477	732.37	-1,461.79	1,538.33	1,449.82	88.50	17.382	
3,800.00	3,794.18	3,781.05	3,780.54	9.51	81.74	-27.654	732.37	-1,461.79	1,529.22	1,438.27	90.95	16.814	
3,900.00	3,893.65	3,880.52	3,880.01	9.81	83.94	-27.833	732.37	-1,461.79	1,520.14	1,426.73	93.40	16.275	
4,000.00	3,993.13	3,980.00	3,979.49	10.12	86.13	-28.015	732.37	-1,461.79	1,511.06	1,415.20	95.86	15.762	
4,100.00	4,092.60	4,079.47	4,078.96	10.44	88.32	-28.198	732.37	-1,461.79	1,502.01	1,403.68	98.33	15.275	
4,200.00	4,192.07	4,178.94	4,178.43	10.76	90.51	-28.384	732.37	-1,461.79	1,492.97	1,392.17	100.80	14.812	
4,300.00	4,291.54	4,278.43	4,277.90	11.08	92.56	-28.572	732.37	-1,461.79	1,483.94	1,380.81	103.13	14.389	
4,400.00	4,391.02	4,377.90	4,377.38	11.41	94.57	-28.762	732.37	-1,461.79	1,474.93	1,369.51	105.42	13.991	
4,500.00	4,490.49	4,477.38	4,476.85	11.75	96.58	-28.955	732.37	-1,461.79	1,465.94	1,358.22	107.72	13.609	
4,600.00	4,589.96	4,578.03	4,577.50	12.09	98.61	-29.121	733.21	-1,461.79	1,457.30	1,347.26	110.04	13.244	
4,700.00	4,689.43	4,678.81	4,678.27	12.43	100.65	-29.333	732.89	-1,461.79	1,448.21	1,335.85	112.36	12.889	
4,800.00	4,788.91	4,775.82	4,775.27	12.78	102.61	-29.547	732.37	-1,461.79	1,439.06	1,324.45	114.61	12.556	
4,900.00	4,888.38	4,875.29	4,874.74	13.13	104.33	-29.749	732.37	-1,461.79	1,430.14	1,313.50	116.63	12.262	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program:		239-INC-ONLY						Rule Assigned:				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)				
5,000.00	4,987.85	4,974.76	4,974.21	13.48	106.06	-29.954	732.37	-1,461.79	1,421.23	1,302.58	118.65	11.978		
5,100.00	5,087.33	5,074.53	5,073.98	13.84	107.79	-30.153	732.61	-1,461.79	1,412.43	1,291.75	120.68	11.704		
5,200.00	5,186.80	5,174.48	5,173.93	14.20	109.53	-30.368	732.51	-1,461.79	1,403.53	1,280.81	122.71	11.437		
5,300.00	5,286.27	5,273.19	5,272.63	14.56	111.29	-30.585	732.37	-1,461.79	1,394.62	1,269.85	124.77	11.177		
5,400.00	5,385.74	5,372.66	5,372.10	14.92	113.25	-30.800	732.37	-1,461.79	1,385.79	1,258.75	127.04	10.909		
5,500.00	5,485.22	5,472.13	5,471.58	15.29	115.22	-31.018	732.37	-1,461.79	1,376.98	1,247.68	129.30	10.650		
5,600.00	5,584.69	5,571.73	5,571.17	15.66	117.19	-31.228	732.67	-1,461.79	1,368.30	1,236.73	131.57	10.400		
5,700.00	5,684.16	5,671.57	5,671.02	16.02	119.16	-31.455	732.61	-1,461.79	1,359.50	1,225.67	133.83	10.158		
5,800.00	5,783.63	5,771.40	5,770.84	16.40	121.13	-31.688	732.47	-1,461.79	1,350.70	1,214.60	136.10	9.924		
5,900.00	5,883.11	5,870.05	5,869.47	16.77	123.12	-31.920	732.37	-1,461.79	1,341.94	1,203.55	138.39	9.697		
6,000.00	5,982.58	5,969.52	5,968.94	17.14	125.17	-32.152	732.37	-1,461.79	1,333.23	1,192.49	140.74	9.473		
6,100.00	6,082.05	6,068.99	6,068.41	17.52	127.22	-32.388	732.37	-1,461.79	1,324.55	1,181.46	143.09	9.257		
6,200.00	6,181.53	6,169.13	6,168.54	17.89	129.29	-32.592	733.24	-1,461.79	1,316.18	1,170.73	145.45	9.049		
6,300.00	6,281.00	6,269.62	6,269.03	18.27	131.36	-32.848	732.97	-1,461.79	1,307.45	1,159.63	147.82	8.845		
6,400.00	6,380.47	6,370.08	6,369.49	18.65	133.44	-33.116	732.47	-1,461.79	1,298.67	1,148.49	150.18	8.647		
6,500.00	6,479.94	6,466.93	6,466.30	19.03	135.41	-33.362	732.37	-1,461.79	1,290.04	1,137.59	152.45	8.462		
6,600.00	6,579.42	6,566.40	6,565.78	19.41	137.43	-33.614	732.37	-1,461.79	1,281.47	1,126.71	154.76	8.280		
6,700.00	6,678.89	6,665.94	6,665.30	19.79	139.45	-33.831	733.26	-1,461.79	1,273.21	1,116.14	157.07	8.106		
6,800.00	6,778.36	6,766.37	6,765.73	20.17	141.48	-34.098	733.12	-1,461.79	1,264.65	1,105.26	159.40	7.934		
6,900.00	6,877.84	6,866.78	6,866.14	20.54	143.52	-34.356	732.75	-1,461.79	1,256.11	1,094.41	161.70	7.768		
7,000.00	6,977.54	6,964.57	6,963.90	20.93	145.53	-34.496	732.37	-1,461.79	1,249.58	1,085.58	164.00	7.619		
7,100.00	7,077.44	7,064.47	7,063.80	21.27	147.62	-34.567	732.37	-1,461.79	1,246.06	1,079.70	166.36	7.490		
7,200.00	7,177.43	7,164.47	7,163.79	21.38	149.72	-72.357	732.37	-1,461.79	1,245.30	1,076.75	168.55	7.388		
7,300.00	7,277.43	7,265.34	7,264.66	21.43	151.83	-72.326	733.07	-1,461.79	1,245.52	1,074.79	170.73	7.295		
7,400.00	7,377.43	7,366.37	7,365.69	21.48	153.95	-72.342	732.70	-1,461.79	1,245.41	1,072.50	172.90	7.203		
7,500.00	7,477.43	7,464.54	7,463.79	21.54	156.06	-72.357	732.37	-1,461.79	1,245.30	1,070.22	175.08	7.113		
7,600.00	7,577.43	7,564.54	7,563.79	21.59	158.31	-72.357	732.37	-1,461.79	1,245.30	1,067.92	177.38	7.020		
7,700.00	7,677.43	7,664.54	7,663.79	21.65	160.55	-72.357	732.37	-1,461.79	1,245.30	1,065.61	179.69	6.930		
7,800.00	7,777.43	7,765.97	7,765.20	21.70	162.83	-72.303	733.59	-1,461.79	1,245.68	1,063.65	182.03	6.843		
7,900.00	7,877.43	7,867.66	7,866.87	21.75	165.11	-72.329	732.99	-1,461.79	1,245.50	1,061.13	184.37	6.756		
8,000.00	7,977.43	7,964.66	7,963.79	21.81	167.35	-72.357	732.37	-1,461.79	1,245.30	1,058.64	186.66	6.671		
8,100.00	8,077.43	8,064.66	8,063.79	21.86	169.78	-72.357	732.37	-1,461.79	1,245.30	1,056.14	189.16	6.583		
8,200.00	8,177.43	8,164.66	8,163.79	21.92	172.22	-72.357	732.37	-1,461.79	1,245.30	1,053.64	191.66	6.497		
8,300.00	8,277.43	8,266.28	8,265.38	21.97	174.70	-72.308	733.48	-1,461.79	1,245.64	1,051.44	194.20	6.414		
8,400.00	8,377.43	8,368.07	8,367.16	22.03	177.18	-72.337	732.82	-1,461.79	1,245.44	1,048.71	196.74	6.330		
8,500.00	8,477.43	8,464.86	8,463.79	22.08	179.64	-72.357	732.37	-1,461.79	1,245.30	1,046.04	199.26	6.250		
8,600.00	8,577.43	8,564.86	8,563.79	22.14	182.28	-72.357	732.37	-1,461.79	1,245.30	1,043.35	201.96	6.166		
8,700.00	8,677.43	8,666.68	8,665.57	22.20	184.96	-72.287	733.97	-1,461.79	1,245.79	1,041.08	204.71	6.086		
8,800.00	8,777.43	8,770.22	8,769.08	22.25	187.69	-72.329	733.02	-1,461.79	1,245.51	1,038.02	207.49	6.003		
8,900.00	8,877.43	8,865.10	8,863.79	22.31	190.09	-72.357	732.37	-1,461.79	1,245.30	1,035.34	209.96	5.931		
9,000.00	8,977.43	8,965.10	8,963.79	22.36	192.55	-72.357	732.37	-1,461.79	1,245.30	1,032.83	212.48	5.861		
9,100.00	9,077.43	9,065.10	9,063.79	22.42	195.01	-72.357	732.37	-1,461.79	1,245.30	1,030.31	215.00	5.792		
9,200.00	9,177.43	9,167.25	9,165.88	22.48	197.52	-72.264	734.49	-1,461.79	1,245.95	1,028.37	217.58	5.726		
9,300.00	9,277.43	9,269.86	9,268.47	22.53	200.04	-72.304	733.58	-1,461.79	1,245.68	1,025.53	220.15	5.658		
9,400.00	9,377.43	9,365.30	9,363.79	22.59	202.40	-72.357	732.37	-1,461.79	1,245.30	1,022.73	222.57	5.595		
9,500.00	9,477.43	9,465.30	9,463.79	22.65	204.94	-72.357	732.37	-1,461.79	1,245.30	1,020.12	225.18	5.530		
9,600.00	9,577.43	9,565.30	9,563.79	22.70	207.49	-72.357	732.37	-1,461.79	1,245.30	1,017.52	227.79	5.467 CC, ES		
9,700.00	9,677.21	9,665.08	9,663.57	22.62	210.03	-162.114	732.37	-1,461.79	1,250.02	1,019.80	230.22	5.430 SF		
9,800.00	9,774.71	9,762.57	9,761.07	22.45	212.51	-161.761	732.37	-1,461.79	1,270.69	1,038.23	232.45	5.466		
9,900.00	9,866.95	9,854.81	9,853.31	22.28	214.86	-161.042	732.37	-1,461.79	1,307.26	1,072.76	234.50	5.575		
10,000.00	9,951.15	9,892.00	9,890.27	22.13	215.80	-159.251	732.37	-1,461.79	1,359.56	1,124.50	235.06	5.784		
10,100.00	10,024.73	9,892.00	9,890.27	22.05	215.80	-155.529	732.37	-1,461.79	1,428.80	1,194.57	234.23	6.100		

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 239-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				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)	Minimum Separation (usft)	Separation Factor	
10,200.00	10,085.48	9,892.00	9,890.27	22.07	215.80	-148.665	732.37	-1,461.79	1,511.16	1,277.85	233.31	6.477	
10,300.00	10,131.54	9,892.00	9,890.27	22.26	215.80	-134.772	732.37	-1,461.79	1,602.34	1,369.73	232.61	6.889	
10,400.00	10,161.50	9,892.00	9,890.27	22.65	215.80	-104.887	732.37	-1,461.79	1,698.38	1,466.11	232.26	7.312	
10,500.00	10,174.47	9,892.00	9,890.27	23.24	215.80	-62.788	732.37	-1,461.79	1,795.82	1,563.52	232.30	7.731	
10,600.00	10,175.00	9,892.00	9,890.27	24.01	215.80	-54.560	732.37	-1,461.79	1,892.62	1,660.07	232.55	8.138	
10,700.00	10,175.00	9,892.00	9,890.27	24.94	215.80	-54.560	732.37	-1,461.79	1,989.67	1,756.88	232.79	8.547	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 252-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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-98.260	-258.87	-1,783.12	1,801.84				
100.00	100.00	89.36	89.36	0.79	1.89	-98.260	-258.87	-1,783.12	1,801.81	1,799.14	2.67	673.830	
200.00	200.00	189.36	189.36	1.45	4.00	-98.260	-258.87	-1,783.12	1,801.81	1,796.36	5.45	330.752	
300.00	300.00	289.36	289.36	1.89	6.07	-98.260	-258.87	-1,783.12	1,801.81	1,793.85	7.96	226.431	
387.13	387.13	376.49	376.49	2.21	7.82	-98.256	-258.74	-1,783.12	1,801.79	1,791.76	10.03	179.655	
400.00	400.00	389.30	389.30	2.25	8.08	-98.256	-258.74	-1,783.12	1,801.79	1,791.46	10.33	174.355	
500.00	500.00	488.84	488.84	2.57	10.09	-98.260	-258.85	-1,783.12	1,801.81	1,789.15	12.65	142.384	
588.75	588.75	578.06	578.02	2.82	11.92	-98.245	-258.37	-1,783.12	1,801.74	1,787.00	14.74	122.213	
600.00	600.00	588.83	588.79	2.85	12.15	-98.245	-258.38	-1,783.12	1,801.74	1,786.74	15.00	120.141	
700.00	700.00	687.94	687.86	3.11	14.16	-98.259	-258.82	-1,783.12	1,801.80	1,784.54	17.27	104.352	
761.05	761.05	750.49	750.41	3.26	15.57	-98.253	-258.63	-1,783.12	1,801.78	1,782.95	18.83	95.707	
800.00	800.00	787.92	787.84	3.35	16.43	-98.256	-258.74	-1,783.12	1,801.79	1,782.01	19.78	91.096	
899.48	899.48	888.96	888.83	3.57	19.04	-98.238	-258.15	-1,783.12	1,801.71	1,779.09	22.62	79.658	
900.00	900.00	889.45	889.32	3.58	19.06	-98.238	-258.15	-1,783.12	1,801.71	1,779.08	22.63	79.608	
1,000.00	1,000.00	989.57	989.36	3.79	21.66	-98.260	-258.87	-1,783.12	1,801.81	1,776.37	25.45	70.812	
1,038.59	1,038.59	1,028.15	1,027.94	3.87	22.56	-98.247	-258.44	-1,783.12	1,801.75	1,775.32	26.43	68.181	
1,100.00	1,100.00	1,089.41	1,089.17	3.99	23.98	-98.260	-258.85	-1,783.12	1,801.81	1,773.84	27.97	64.420	
1,200.00	1,200.00	1,189.60	1,189.36	4.19	26.08	-98.260	-258.87	-1,783.12	1,801.81	1,771.54	30.27	59.526	
1,234.06	1,234.06	1,223.66	1,223.41	4.26	26.79	-98.243	-258.31	-1,783.12	1,801.73	1,770.68	31.05	58.028	
1,300.00	1,300.00	1,288.48	1,288.23	4.38	28.16	-98.247	-258.45	-1,783.12	1,801.75	1,769.21	32.54	55.377	
1,400.00	1,400.00	1,389.63	1,389.36	4.56	30.20	-98.260	-258.87	-1,783.12	1,801.81	1,767.05	34.76	51.831	
1,473.41	1,473.41	1,463.04	1,462.76	4.69	31.58	-98.249	-258.51	-1,783.12	1,801.76	1,765.49	36.27	49.672	
1,500.00	1,500.00	1,489.23	1,488.96	4.74	32.07	-98.250	-258.53	-1,783.12	1,801.76	1,764.95	36.81	48.944	
1,600.00	1,600.00	1,589.64	1,589.36	4.91	33.98	-98.260	-258.87	-1,783.12	1,801.81	1,762.92	38.89	46.333	
1,700.00	1,700.00	1,689.64	1,689.36	5.08	35.95	-98.260	-258.87	-1,783.12	1,801.81	1,760.78	41.03	43.911	
1,740.05	1,740.05	1,729.69	1,729.40	5.14	36.75	-98.250	-258.53	-1,783.12	1,801.76	1,759.87	41.89	43.011	
1,800.00	1,800.00	1,789.22	1,788.93	5.24	37.92	-98.251	-258.58	-1,783.12	1,801.77	1,758.60	43.17	41.741	
1,900.00	1,900.00	1,889.66	1,889.36	5.40	39.91	-98.260	-258.87	-1,783.12	1,801.81	1,756.50	45.32	39.762	
2,000.00	2,000.00	1,989.66	1,989.36	5.56	42.00	-98.260	-258.87	-1,783.12	1,801.81	1,754.26	47.55	37.890	
2,037.36	2,037.36	2,027.02	2,026.72	5.62	42.77	-98.246	-258.41	-1,783.12	1,801.74	1,753.36	48.39	37.234	
2,100.00	2,100.00	2,088.93	2,088.62	5.71	44.06	-98.249	-258.50	-1,783.12	1,801.76	1,751.98	49.77	36.199	
2,200.00	2,200.00	2,189.70	2,189.36	5.86	46.21	-98.260	-258.87	-1,783.12	1,801.81	1,749.74	52.07	34.605	
2,300.00	2,300.00	2,289.70	2,289.36	6.01	48.49	-98.260	-258.87	-1,783.12	1,801.81	1,747.31	54.50	33.060	
2,400.00	2,400.00	2,389.70	2,389.36	6.16	50.78	-98.260	-258.87	-1,783.12	1,801.81	1,744.88	56.93	31.648	
2,500.00	2,500.00	2,488.97	2,488.63	6.30	53.05	-98.231	-257.93	-1,783.12	1,801.68	1,742.33	59.35	30.359	
2,546.03	2,546.03	2,534.58	2,534.23	6.39	54.09	-60.474	-258.10	-1,783.12	1,801.52	1,741.05	60.46	29.795	
2,600.00	2,599.98	2,588.05	2,587.69	6.51	55.31	-60.532	-258.39	-1,783.12	1,800.88	1,739.11	61.77	29.155	
2,700.00	2,699.84	2,689.58	2,689.20	6.74	57.62	-60.739	-258.87	-1,783.12	1,798.38	1,734.15	64.23	27.999	
2,800.00	2,799.45	2,789.19	2,788.81	6.95	59.86	-61.050	-258.87	-1,783.12	1,794.13	1,727.53	66.61	26.936	
2,900.00	2,898.93	2,888.66	2,888.29	7.26	62.10	-61.336	-258.87	-1,783.12	1,789.17	1,720.05	69.12	25.886	
3,000.00	2,998.40	2,987.62	2,987.24	7.46	64.32	-61.609	-258.44	-1,783.12	1,784.19	1,712.70	71.48	24.959	
3,100.00	3,097.87	3,086.55	3,086.17	7.67	66.55	-61.905	-258.71	-1,783.12	1,779.36	1,705.51	73.85	24.093	
3,200.00	3,197.34	3,187.14	3,186.70	7.90	68.80	-62.204	-258.87	-1,783.12	1,774.56	1,698.31	76.25	23.272	
3,300.00	3,296.82	3,286.61	3,286.18	8.14	71.02	-62.497	-258.87	-1,783.12	1,769.78	1,691.16	78.62	22.510	
3,400.00	3,396.29	3,385.96	3,385.50	8.39	73.24	-62.747	-257.51	-1,783.12	1,764.80	1,683.81	80.99	21.789	
3,500.00	3,495.76	3,484.05	3,483.59	8.66	75.43	-63.047	-257.76	-1,783.12	1,760.16	1,676.82	83.34	21.121	
3,600.00	3,595.23	3,582.09	3,581.62	8.93	77.62	-63.361	-258.44	-1,783.12	1,755.64	1,669.96	85.68	20.491	
3,700.00	3,694.71	3,684.57	3,684.07	9.22	79.82	-63.682	-258.87	-1,783.12	1,751.13	1,663.10	88.03	19.892	
3,800.00	3,794.18	3,784.04	3,783.54	9.51	81.89	-63.983	-258.87	-1,783.12	1,746.59	1,656.34	90.26	19.351	
3,900.00	3,893.65	3,883.38	3,882.88	9.81	83.95	-64.268	-258.36	-1,783.12	1,741.99	1,649.52	92.48	18.837	
4,000.00	3,993.13	3,982.18	3,981.68	10.12	86.01	-64.573	-258.49	-1,783.12	1,737.57	1,642.89	94.69	18.351	
4,100.00	4,092.60	4,080.96	4,080.45	10.44	88.06	-64.886	-258.79	-1,783.12	1,733.24	1,636.35	96.90	17.888	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 252-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
4,200.00	4,192.07	4,181.97	4,181.43	10.76	90.19	-65.199	-258.87	-1,783.12	1,728.91	1,629.73	99.18	17.432	
4,300.00	4,291.54	4,281.45	4,280.90	11.08	92.29	-65.507	-258.87	-1,783.12	1,724.62	1,623.18	101.44	17.001	
4,400.00	4,391.02	4,380.16	4,379.61	11.41	94.38	-65.783	-257.92	-1,783.12	1,720.15	1,616.47	103.68	16.590	
4,500.00	4,490.49	4,478.12	4,477.57	11.75	96.45	-66.101	-258.28	-1,783.12	1,716.04	1,610.13	105.91	16.203	
4,600.00	4,589.96	4,579.92	4,579.32	12.09	98.56	-66.440	-258.87	-1,783.12	1,712.04	1,603.87	108.16	15.828	
4,700.00	4,689.43	4,679.39	4,678.79	12.43	100.48	-66.754	-258.87	-1,783.12	1,707.94	1,597.70	110.24	15.493	
4,800.00	4,788.91	4,778.87	4,778.27	12.78	102.42	-67.069	-258.87	-1,783.12	1,703.90	1,591.57	112.33	15.168	
4,900.00	4,888.38	4,877.74	4,877.13	13.13	104.36	-67.361	-258.15	-1,783.12	1,699.73	1,585.31	114.42	14.855	
5,000.00	4,987.85	4,975.95	4,975.34	13.48	106.28	-67.684	-258.43	-1,783.12	1,695.87	1,579.38	116.49	14.558	
5,100.00	5,087.33	5,077.31	5,076.69	13.84	108.28	-68.025	-258.87	-1,783.12	1,692.10	1,573.47	118.63	14.263	
5,200.00	5,186.80	5,176.79	5,176.16	14.20	110.33	-68.346	-258.87	-1,783.12	1,688.27	1,567.44	120.83	13.972	
5,300.00	5,286.27	5,276.26	5,275.63	14.56	112.38	-68.669	-258.87	-1,783.12	1,684.50	1,561.47	123.02	13.692	
5,400.00	5,385.74	5,375.17	5,374.54	14.92	114.42	-68.975	-258.37	-1,783.12	1,680.63	1,555.43	125.21	13.423	
5,500.00	5,485.22	5,473.80	5,473.16	15.29	116.45	-69.304	-258.57	-1,783.12	1,677.02	1,549.64	127.38	13.165	
5,600.00	5,584.69	5,574.72	5,574.05	15.66	118.55	-69.645	-258.87	-1,783.12	1,673.50	1,543.87	129.63	12.910	
5,700.00	5,684.16	5,674.19	5,673.52	16.02	120.76	-69.974	-258.87	-1,783.12	1,669.94	1,537.97	131.97	12.654	
5,800.00	5,783.63	5,773.67	5,772.99	16.40	122.97	-70.303	-258.87	-1,783.12	1,666.44	1,532.13	134.32	12.407	
5,900.00	5,883.11	5,871.36	5,870.68	16.77	125.14	-70.602	-258.04	-1,783.12	1,662.74	1,526.11	136.62	12.170	
6,000.00	5,982.58	5,968.83	5,968.14	17.14	127.30	-70.944	-258.56	-1,783.12	1,659.51	1,520.59	138.92	11.946	
6,100.00	6,082.05	6,072.17	6,071.41	17.52	129.56	-71.301	-258.87	-1,783.12	1,656.28	1,514.97	141.31	11.721	
6,200.00	6,181.53	6,171.64	6,170.89	17.89	131.71	-71.636	-258.87	-1,783.12	1,653.00	1,509.42	143.58	11.512	
6,300.00	6,281.00	6,270.42	6,269.64	18.27	133.84	-71.929	-257.61	-1,783.12	1,649.36	1,503.51	145.85	11.309	
6,400.00	6,380.47	6,367.38	6,366.60	18.65	135.94	-72.269	-257.95	-1,783.12	1,646.31	1,498.24	148.07	11.118	
6,500.00	6,479.94	6,464.28	6,463.49	19.03	138.03	-72.624	-258.73	-1,783.12	1,643.48	1,493.19	150.29	10.936	
6,600.00	6,579.42	6,569.61	6,568.78	19.41	140.24	-72.989	-258.87	-1,783.12	1,640.48	1,487.87	152.61	10.749	
6,700.00	6,678.89	6,669.08	6,668.25	19.79	142.31	-73.331	-258.87	-1,783.12	1,637.49	1,482.69	154.80	10.578	
6,800.00	6,778.36	6,767.65	6,766.81	20.17	144.36	-73.647	-258.14	-1,783.12	1,634.30	1,477.33	156.97	10.411	
6,900.00	6,877.84	6,865.49	6,864.65	20.54	146.39	-73.981	-258.43	-1,783.12	1,631.56	1,472.45	159.10	10.255	
7,000.00	6,977.54	6,967.78	6,966.90	20.93	148.52	-74.224	-258.87	-1,783.12	1,629.59	1,468.23	161.36	10.099	
7,100.00	7,077.44	7,067.69	7,066.80	21.27	150.60	-74.346	-258.87	-1,783.12	1,628.43	1,464.88	163.55	9.957	
7,190.89	7,168.32	7,157.51	7,156.62	21.37	152.47	-74.360	-258.14	-1,783.12	1,627.82	1,462.34	165.48	9.837	
7,200.00	7,177.43	7,166.36	7,165.46	21.38	152.66	-112.124	-258.16	-1,783.12	1,627.91	1,462.25	165.67	9.826	
7,300.00	7,277.43	7,263.41	7,262.51	21.43	154.68	-112.138	-258.60	-1,783.12	1,628.09	1,460.31	167.78	9.704	
7,400.00	7,377.43	7,367.73	7,366.79	21.48	157.13	-112.147	-258.87	-1,783.12	1,628.18	1,457.87	170.31	9.560	
7,500.00	7,477.43	7,467.73	7,466.79	21.54	159.61	-112.147	-258.87	-1,783.12	1,628.18	1,455.31	172.87	9.418	
7,576.72	7,554.15	7,544.45	7,543.50	21.58	161.51	-112.112	-257.80	-1,783.12	1,627.78	1,452.93	174.85	9.310	
7,600.00	7,577.43	7,567.24	7,566.29	21.59	162.08	-112.112	-257.81	-1,783.12	1,627.78	1,452.35	175.43	9.279	
7,700.00	7,677.43	7,665.13	7,664.18	21.65	164.50	-112.121	-258.05	-1,783.12	1,627.88	1,449.93	177.95	9.148	
7,800.00	7,777.43	7,763.03	7,762.07	21.70	166.93	-112.140	-258.64	-1,783.12	1,628.10	1,447.64	180.46	9.022	
7,900.00	7,877.43	7,867.91	7,866.79	21.75	169.94	-112.147	-258.87	-1,783.12	1,628.18	1,444.63	183.55	8.871	
7,921.12	7,898.55	7,888.77	7,887.64	21.77	170.57	-112.120	-258.04	-1,783.12	1,627.87	1,443.67	184.20	8.838	
8,000.00	7,977.43	7,959.75	7,958.60	21.81	172.70	-112.136	-258.53	-1,783.12	1,628.08	1,441.68	186.40	8.734	
8,100.00	8,077.43	8,068.09	8,066.79	21.86	175.98	-112.147	-258.87	-1,783.12	1,628.18	1,438.42	189.76	8.580	
8,200.00	8,177.43	8,168.09	8,166.79	21.92	179.01	-112.147	-258.87	-1,783.12	1,628.18	1,435.30	192.88	8.441	
8,238.12	8,215.56	8,204.51	8,203.14	21.94	180.12	-112.063	-256.27	-1,783.12	1,627.21	1,433.18	194.02	8.387 CC	
8,300.00	8,277.43	8,261.91	8,260.51	21.97	181.86	-112.075	-256.65	-1,783.12	1,627.36	1,431.54	195.82	8.311	
8,400.00	8,377.43	8,354.73	8,353.27	22.03	184.67	-112.124	-258.17	-1,783.12	1,627.97	1,429.27	198.71	8.193	
8,500.00	8,477.43	8,468.44	8,466.79	22.08	187.76	-112.147	-258.87	-1,783.12	1,628.18	1,426.30	201.88	8.065	
8,600.00	8,577.43	8,568.44	8,566.79	22.14	190.36	-112.147	-258.87	-1,783.12	1,628.18	1,423.61	204.57	7.959	
8,664.98	8,642.41	8,633.42	8,631.74	22.18	192.06	-112.085	-256.97	-1,783.12	1,627.47	1,421.14	206.32	7.888	
8,700.00	8,677.43	8,667.19	8,665.51	22.20	192.94	-112.086	-257.00	-1,783.12	1,627.48	1,420.25	207.23	7.853	
8,800.00	8,777.43	8,763.64	8,761.93	22.25	195.45	-112.102	-257.49	-1,783.12	1,627.67	1,417.84	209.83	7.757	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 252-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	
8,900.00	8,877.43	8,860.10	8,858.38	22.31	197.96	-112.136	-258.54	-1,783.12	1,628.08	1,415.66	212.42	7.664	
9,000.00	8,977.43	8,968.65	8,966.79	22.36	200.70	-112.147	-258.87	-1,783.12	1,628.18	1,412.93	215.25	7.564	
9,100.00	9,077.43	9,068.65	9,066.79	22.42	203.21	-112.147	-258.87	-1,783.12	1,628.18	1,410.34	217.84	7.474	
9,200.00	9,177.43	9,168.65	9,166.79	22.48	205.71	-112.147	-258.87	-1,783.12	1,628.18	1,407.75	220.43	7.386	
9,300.00	9,277.43	9,268.65	9,266.79	22.53	208.22	-112.147	-258.87	-1,783.12	1,628.18	1,405.16	223.02	7.301	
9,312.20	9,289.64	9,280.85	9,279.00	22.54	208.52	-112.147	-258.87	-1,783.12	1,628.18	1,404.85	223.34	7.290	
9,400.00	9,377.43	9,357.00	9,354.98	22.59	210.43	-112.147	-258.87	-1,783.12	1,628.23	1,402.91	225.32	7.226 ES, SF	
9,500.00	9,477.43	9,357.00	9,354.98	22.65	210.43	-112.147	-258.87	-1,783.12	1,632.02	1,407.06	224.96	7.255	
9,600.00	9,577.43	9,357.00	9,354.98	22.70	210.43	-112.147	-258.87	-1,783.12	1,641.90	1,418.03	223.87	7.334	
9,700.00	9,677.21	9,357.00	9,354.98	22.62	210.43	157.356	-258.87	-1,783.12	1,662.24	1,440.20	222.05	7.486	
9,800.00	9,774.71	9,357.00	9,354.98	22.45	210.43	155.574	-258.87	-1,783.12	1,702.78	1,482.97	219.81	7.746	
9,900.00	9,866.95	9,357.00	9,354.98	22.28	210.43	152.378	-258.87	-1,783.12	1,761.41	1,543.90	217.51	8.098	
10,000.00	9,951.15	9,357.00	9,354.98	22.13	210.43	146.892	-258.87	-1,783.12	1,834.70	1,619.25	215.46	8.515	
10,100.00	10,024.73	9,357.00	9,354.98	22.05	210.43	137.227	-258.87	-1,783.12	1,918.91	1,705.00	213.91	8.971	
10,200.00	10,085.48	9,357.00	9,354.98	22.07	210.43	119.548	-258.87	-1,783.12	2,010.26	1,797.27	212.99	9.438	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 540-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	38.759	1,065.13	855.14	1,365.93					
100.00	100.00	96.36	96.36	0.79	3.40	38.759	1,065.13	855.14	1,365.93	1,361.74	4.19	326.025		
200.00	200.00	196.36	196.36	1.45	6.94	38.759	1,065.13	855.14	1,365.93	1,357.55	8.38	162.946		
300.00	300.00	296.36	296.36	1.89	10.47	38.759	1,065.13	855.14	1,365.93	1,353.57	12.36	110.504		
400.00	400.00	396.36	396.36	2.25	14.00	38.759	1,065.13	855.14	1,365.93	1,349.67	16.26	84.029		
500.00	500.00	496.36	496.36	2.57	17.53	38.759	1,065.13	855.14	1,365.93	1,345.83	20.10	67.950		
600.00	600.00	596.37	596.36	2.85	19.77	38.759	1,065.13	855.14	1,365.93	1,343.31	22.62	60.387		
700.00	700.00	697.05	697.04	3.11	21.01	38.751	1,065.42	855.14	1,366.16	1,342.04	24.12	56.645		
800.00	800.00	800.57	800.56	3.35	22.28	38.758	1,065.19	855.14	1,365.98	1,340.35	25.63	53.290		
849.37	849.37	845.75	845.73	3.46	24.14	38.759	1,065.13	855.14	1,365.93	1,338.33	27.60	49.488		
900.00	900.00	896.37	896.36	3.58	26.84	38.759	1,065.13	855.14	1,365.93	1,335.52	30.41	44.913		
1,000.00	1,000.00	996.37	996.36	3.79	32.17	38.759	1,065.13	855.14	1,365.93	1,329.97	35.96	37.990		
1,100.00	1,100.00	1,096.37	1,096.36	3.99	37.49	38.759	1,065.13	855.14	1,365.93	1,324.44	41.49	32.924		
1,200.00	1,200.00	1,196.37	1,196.36	4.19	42.82	38.759	1,065.13	855.14	1,365.93	1,318.92	47.01	29.055		
1,300.00	1,300.00	1,296.37	1,296.36	4.38	48.15	38.759	1,065.13	855.14	1,365.93	1,313.40	52.53	26.004		
1,400.00	1,400.00	1,396.57	1,396.55	4.56	53.49	38.744	1,065.71	855.14	1,366.38	1,308.33	58.05	23.539		
1,500.00	1,500.00	1,497.00	1,496.99	4.74	58.84	38.745	1,065.67	855.14	1,366.35	1,302.78	63.58	21.492		
1,600.00	1,600.00	1,597.44	1,597.42	4.91	64.19	38.747	1,065.60	855.14	1,366.29	1,297.19	69.10	19.773		
1,700.00	1,700.00	1,697.87	1,697.86	5.08	69.54	38.750	1,065.48	855.14	1,366.20	1,291.58	74.62	18.309		
1,800.00	1,800.00	1,798.31	1,798.29	5.24	74.89	38.754	1,065.31	855.14	1,366.07	1,285.94	80.13	17.048		
1,900.00	1,900.00	1,896.44	1,896.36	5.40	79.86	38.759	1,065.13	855.14	1,365.93	1,280.67	85.26	16.021		
2,000.00	2,000.00	1,996.44	1,996.36	5.56	81.15	38.759	1,065.13	855.14	1,365.93	1,279.22	86.71	15.753		
2,100.00	2,100.00	2,096.44	2,096.36	5.71	82.45	38.759	1,065.13	855.14	1,365.93	1,277.77	88.16	15.494		
2,200.00	2,200.00	2,198.45	2,198.35	5.86	83.77	38.731	1,066.19	855.14	1,366.75	1,277.12	89.63	15.248		
2,300.00	2,300.00	2,302.27	2,302.17	6.01	85.12	38.741	1,065.81	855.14	1,366.47	1,275.34	91.12	14.996		
2,400.00	2,400.00	2,406.10	2,405.99	6.16	86.46	38.761	1,065.06	855.14	1,365.91	1,273.29	92.61	14.748		
2,401.47	2,401.47	2,407.63	2,407.52	6.16	86.48	38.761	1,065.04	855.14	1,365.90	1,273.26	92.64	14.745		
2,500.00	2,500.00	2,496.52	2,496.36	6.30	87.78	38.759	1,065.13	855.14	1,365.93	1,271.85	94.08	14.518		
2,600.00	2,599.98	2,596.50	2,596.34	6.51	89.23	76.613	1,065.13	855.14	1,365.52	1,269.85	95.67	14.273		
2,700.00	2,699.84	2,698.07	2,697.89	6.74	90.70	76.827	1,066.20	855.14	1,365.15	1,267.87	97.28	14.033		
2,800.00	2,799.45	2,801.44	2,801.26	6.95	92.20	77.245	1,065.85	855.14	1,362.93	1,264.02	98.90	13.780		
2,900.00	2,898.93	2,904.61	2,904.43	7.26	93.70	77.699	1,065.13	855.14	1,360.15	1,259.49	100.67	13.511		
3,000.00	2,998.40	2,995.00	2,994.76	7.46	94.92	78.081	1,065.13	855.14	1,357.96	1,255.93	102.02	13.311		
3,100.00	3,097.87	3,097.59	3,097.35	7.67	96.30	78.501	1,065.68	855.14	1,356.28	1,252.75	103.54	13.100		
3,200.00	3,197.34	3,193.99	3,193.70	7.90	97.61	78.926	1,065.13	855.14	1,353.85	1,248.87	104.97	12.897		
3,300.00	3,296.82	3,293.46	3,293.18	8.14	99.02	79.350	1,065.13	855.14	1,351.90	1,245.39	106.52	12.692		
3,400.00	3,396.29	3,397.28	3,396.99	8.39	100.50	79.782	1,065.59	855.14	1,350.38	1,242.26	108.12	12.490		
3,500.00	3,495.76	3,492.45	3,492.12	8.66	101.87	80.203	1,065.13	855.14	1,348.24	1,238.62	109.63	12.299		
3,600.00	3,595.23	3,591.92	3,591.59	8.93	103.37	80.630	1,065.13	855.14	1,346.53	1,235.27	111.26	12.103		
3,700.00	3,694.71	3,695.12	3,694.79	9.22	104.93	81.059	1,065.69	855.14	1,345.30	1,232.36	112.94	11.911		
3,800.00	3,794.18	3,790.91	3,790.54	9.51	106.39	81.489	1,065.13	855.14	1,343.32	1,228.80	114.53	11.729		
3,900.00	3,893.65	3,890.39	3,890.01	9.81	108.09	81.920	1,065.13	855.14	1,341.84	1,225.49	116.35	11.533		
4,000.00	3,993.13	3,991.36	3,990.98	10.12	109.81	82.336	1,065.87	855.14	1,340.95	1,222.76	118.20	11.345		
4,100.00	4,092.60	4,095.78	4,095.39	10.44	111.59	82.803	1,065.43	855.14	1,339.32	1,219.22	120.10	11.152		
4,200.00	4,192.07	4,188.89	4,188.43	10.76	113.19	83.218	1,065.13	855.14	1,337.84	1,216.00	121.84	10.981		
4,300.00	4,291.54	4,289.39	4,288.91	11.08	114.94	83.628	1,066.06	855.14	1,337.30	1,213.59	123.71	10.810		
4,400.00	4,391.02	4,398.13	4,397.64	11.41	116.84	84.124	1,065.39	855.14	1,335.78	1,210.06	125.72	10.625		
4,500.00	4,490.49	4,487.38	4,486.85	11.75	118.35	84.523	1,065.13	855.14	1,334.53	1,207.18	127.36	10.479		
4,600.00	4,589.96	4,588.02	4,587.48	12.09	120.03	84.945	1,065.76	855.14	1,334.01	1,204.85	129.17	10.328		
4,700.00	4,689.43	4,693.13	4,692.59	12.43	121.79	85.421	1,065.29	855.14	1,332.85	1,201.80	131.05	10.171		
4,800.00	4,788.91	4,785.84	4,785.27	12.78	123.38	85.833	1,065.13	855.14	1,331.93	1,199.18	132.75	10.033		
4,900.00	4,888.38	4,886.95	4,886.37	13.13	125.11	86.259	1,065.73	855.14	1,331.62	1,197.02	134.60	9.893		

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-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
5,000.00	4,987.85	4,992.02	4,991.44	13.48	126.91	86.739	1,065.20	855.14	1,330.66	1,194.14	136.52	9.747	
5,100.00	5,087.33	5,084.30	5,083.69	13.84	128.51	87.148	1,065.13	855.14	1,330.04	1,191.79	138.25	9.621	
5,200.00	5,186.80	5,186.49	5,185.87	14.20	130.29	87.583	1,065.65	855.14	1,329.91	1,189.76	140.15	9.489	
5,300.00	5,286.27	5,283.29	5,282.63	14.56	131.99	88.027	1,065.13	855.14	1,329.17	1,187.21	141.96	9.363	
5,400.00	5,385.74	5,382.76	5,382.10	14.92	133.77	88.467	1,065.13	855.14	1,328.86	1,185.00	143.86	9.237	
5,446.22	5,431.72	5,428.74	5,428.08	15.09	134.59	88.670	1,065.13	855.14	1,328.74	1,184.00	144.74	9.180	
5,500.00	5,485.22	5,484.64	5,483.97	15.29	135.59	88.896	1,065.75	855.14	1,329.01	1,183.21	145.80	9.115	
5,600.00	5,584.69	5,588.85	5,588.18	15.66	137.46	89.377	1,065.15	855.14	1,328.49	1,180.71	147.79	8.989	
5,648.37	5,632.81	5,629.87	5,629.17	15.83	138.20	89.559	1,065.13	855.14	1,328.42	1,179.83	148.59	8.940	
5,700.00	5,684.16	5,681.23	5,680.52	16.02	139.12	89.786	1,065.13	855.14	1,328.39	1,178.81	149.58	8.881	
5,742.08	5,726.02	5,723.08	5,722.38	16.18	139.88	89.971	1,065.13	855.14	1,328.38	1,177.99	150.39	8.833	
5,800.00	5,783.63	5,783.14	5,782.42	16.40	140.97	90.218	1,065.68	855.14	1,328.72	1,177.18	151.54	8.768	
5,896.72	5,879.84	5,884.30	5,883.58	16.76	142.79	90.687	1,065.07	855.14	1,328.44	1,174.96	153.49	8.655	
5,900.00	5,883.11	5,880.22	5,879.47	16.77	142.72	90.666	1,065.13	855.14	1,328.47	1,175.05	153.42	8.659	
6,000.00	5,982.58	5,979.69	5,978.94	17.14	144.54	91.106	1,065.13	855.14	1,328.63	1,173.26	155.37	8.552	
6,100.00	6,082.05	6,082.15	6,081.40	17.52	146.42	91.542	1,065.64	855.14	1,329.17	1,171.80	157.37	8.446	
6,181.13	6,162.76	6,166.89	6,166.12	17.82	147.97	91.935	1,065.10	855.14	1,329.12	1,170.10	159.02	8.358	
6,200.00	6,181.53	6,178.68	6,177.89	17.89	148.19	91.985	1,065.13	855.14	1,329.18	1,169.92	159.26	8.346	
6,300.00	6,281.00	6,278.15	6,277.36	18.27	150.04	92.425	1,065.13	855.14	1,329.58	1,168.34	161.24	8.246	
6,400.00	6,380.47	6,380.80	6,380.00	18.65	151.94	92.860	1,065.63	855.14	1,330.34	1,167.07	163.27	8.148	
6,500.00	6,479.94	6,477.14	6,476.30	19.03	153.74	93.303	1,065.13	855.14	1,330.61	1,165.42	165.19	8.055	
6,600.00	6,579.42	6,576.61	6,575.78	19.41	155.60	93.741	1,065.13	855.14	1,331.24	1,164.06	167.19	7.963	
6,700.00	6,678.89	6,679.68	6,678.83	19.79	157.53	94.179	1,065.56	855.14	1,332.20	1,162.95	169.25	7.871	
6,800.00	6,778.36	6,775.60	6,774.72	20.17	159.33	94.616	1,065.13	855.14	1,332.75	1,161.56	171.19	7.785	
6,900.00	6,877.84	6,875.60	6,874.72	20.54	161.21	95.037	1,065.66	855.14	1,333.89	1,160.72	173.18	7.702	
7,000.00	6,977.54	6,980.67	6,979.77	20.93	163.19	95.411	1,065.19	855.14	1,334.36	1,159.07	175.29	7.612	
7,100.00	7,077.44	7,074.72	7,073.80	21.27	164.98	95.589	1,065.13	855.14	1,334.73	1,157.52	177.20	7.532	
7,200.00	7,177.43	7,175.91	7,174.99	21.38	166.92	95.832	1,065.79	855.14	1,335.17	1,155.97	179.20	7.451	
7,300.00	7,277.43	7,280.04	7,279.11	21.43	168.92	95.849	1,065.32	855.14	1,334.93	1,153.64	181.28	7.364	
7,373.93	7,351.36	7,348.69	7,347.72	21.47	170.23	95.856	1,065.13	855.14	1,334.82	1,152.14	182.67	7.307	
7,400.00	7,377.43	7,374.76	7,373.79	21.48	170.74	95.856	1,065.13	855.14	1,334.82	1,151.62	183.20	7.286	
7,500.00	7,477.43	7,475.78	7,474.80	21.54	172.68	95.833	1,065.76	855.14	1,335.15	1,149.92	185.23	7.208	
7,600.00	7,577.43	7,580.16	7,579.18	21.59	174.69	95.850	1,065.29	855.14	1,334.91	1,147.58	187.33	7.126	
7,625.10	7,602.54	7,606.36	7,605.38	21.61	175.19	95.858	1,065.07	855.14	1,334.80	1,146.94	187.86	7.105	
7,700.00	7,677.43	7,674.80	7,673.79	21.65	176.67	95.856	1,065.13	855.14	1,334.82	1,145.41	189.41	7.047	
7,800.00	7,777.43	7,779.10	7,778.08	21.70	178.91	95.847	1,065.37	855.14	1,334.95	1,143.22	191.73	6.963	
7,900.00	7,877.43	7,874.86	7,873.79	21.75	180.97	95.856	1,065.13	855.14	1,334.82	1,140.93	193.89	6.884	
8,000.00	7,977.43	7,977.65	7,976.56	21.81	183.20	95.821	1,066.07	855.14	1,335.32	1,139.12	196.21	6.806	
8,100.00	8,077.43	8,086.70	8,085.59	21.86	185.56	95.862	1,064.96	855.14	1,334.78	1,136.12	198.65	6.719	
8,101.05	8,078.48	8,087.85	8,086.73	21.86	185.59	95.862	1,064.94	855.14	1,334.77	1,136.09	198.68	6.718	
8,200.00	8,177.43	8,174.94	8,173.79	21.92	187.27	95.856	1,065.13	855.14	1,334.82	1,134.36	200.45	6.659	
8,300.00	8,277.43	8,277.82	8,276.66	21.97	189.28	95.838	1,065.60	855.14	1,335.07	1,132.52	202.55	6.591	
8,400.00	8,377.43	8,374.98	8,373.79	22.03	191.15	95.856	1,065.13	855.14	1,334.82	1,130.30	204.51	6.527	
8,500.00	8,477.43	8,474.98	8,473.79	22.08	192.96	95.856	1,065.13	855.14	1,334.82	1,128.40	206.42	6.466	
8,600.00	8,577.43	8,578.31	8,577.11	22.14	194.84	95.839	1,065.59	855.14	1,335.07	1,126.68	208.39	6.407	
8,700.00	8,677.43	8,675.01	8,673.79	22.20	196.56	95.856	1,065.13	855.14	1,334.82	1,124.62	210.19	6.350	
8,800.00	8,777.43	8,775.01	8,773.79	22.25	198.22	95.856	1,065.13	855.14	1,334.82	1,122.86	211.95	6.298	
8,900.00	8,877.43	8,877.14	8,875.92	22.31	199.93	95.850	1,065.29	855.14	1,334.90	1,121.16	213.75	6.245	
9,000.00	8,977.43	8,975.02	8,973.79	22.36	201.64	95.856	1,065.13	855.14	1,334.82	1,119.26	215.55	6.193	
9,100.00	9,077.43	9,076.19	9,074.96	22.42	203.49	95.848	1,065.34	855.14	1,334.93	1,117.45	217.48	6.138	
9,200.00	9,177.43	9,175.04	9,173.79	22.48	205.28	95.856	1,065.13	855.14	1,334.82	1,115.45	219.37	6.085	
9,300.00	9,277.43	9,275.05	9,273.79	22.53	207.03	95.856	1,065.13	855.14	1,334.82	1,113.61	221.20	6.034	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-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	
9,400.00	9,377.43	9,375.32	9,374.06	22.59	208.72	57.844	1,065.44	855.14	1,334.98	1,112.00	222.98	5.987	
9,500.00	9,477.43	9,477.54	9,476.28	22.65	210.44	57.851	1,065.24	855.14	1,334.88	1,110.08	224.80	5.938	
9,600.00	9,577.43	9,575.06	9,573.79	22.70	212.08	57.856	1,065.13	855.14	1,334.82	1,108.29	226.52	5.893	
9,649.63	9,627.02	9,619.00	9,617.73	22.66	212.82	-32.060	1,065.13	855.14	1,333.45	1,106.18	227.28	5.867	
9,700.00	9,677.21	9,619.00	9,617.73	22.62	212.82	-32.145	1,065.13	855.14	1,331.79	1,104.67	227.12	5.864	
9,800.00	9,774.71	9,619.00	9,617.73	22.45	212.82	-32.715	1,065.13	855.14	1,321.23	1,095.21	226.01	5.846	
9,900.00	9,866.95	9,619.00	9,617.73	22.28	212.82	-33.699	1,065.13	855.14	1,303.55	1,079.67	223.88	5.822	
10,000.00	9,951.15	9,619.00	9,617.73	22.13	212.82	-35.130	1,065.13	855.14	1,279.02	1,058.16	220.87	5.791	
10,100.00	10,024.73	9,619.00	9,617.73	22.05	212.82	-37.052	1,065.13	855.14	1,248.01	1,030.85	217.16	5.747	
10,200.00	10,085.48	9,619.00	9,617.73	22.07	212.82	-39.522	1,065.13	855.14	1,210.99	997.95	213.04	5.684	
10,300.00	10,131.54	9,619.00	9,617.73	22.26	212.82	-42.598	1,065.13	855.14	1,168.58	959.75	208.84	5.596	
10,400.00	10,161.50	9,619.00	9,617.73	22.65	212.82	-46.331	1,065.13	855.14	1,121.54	916.55	204.99	5.471	
10,500.00	10,174.47	9,619.00	9,617.73	23.24	212.82	-50.744	1,065.13	855.14	1,070.78	868.79	202.00	5.301	
10,600.00	10,175.00	9,619.00	9,617.73	24.01	212.82	-51.932	1,065.13	855.14	1,019.99	820.03	199.96	5.101	
10,648.36	10,175.00	9,619.00	9,617.73	24.46	212.82	-51.932	1,065.13	855.14	997.96	798.86	199.10	5.012	
10,700.00	10,175.00	9,619.00	9,617.73	24.94	212.82	-51.932	1,065.13	855.14	976.52	778.27	198.25	4.926	
10,745.15	10,175.00	9,619.00	9,617.73	25.42	212.82	-51.932	1,065.13	855.14	959.67	762.04	197.63	4.856	
10,800.00	10,175.00	9,619.00	9,617.73	26.01	212.82	-51.932	1,065.13	855.14	941.71	744.70	197.01	4.780	
10,841.68	10,175.00	9,619.00	9,617.73	26.51	212.82	-51.932	1,065.13	855.14	929.99	733.30	196.69	4.728	
10,900.00	10,175.00	9,619.00	9,617.73	27.21	212.82	-51.932	1,065.13	855.14	916.53	720.06	196.47	4.665	
10,937.90	10,175.00	9,619.00	9,617.73	27.70	212.82	-51.932	1,065.13	855.14	909.68	713.18	196.50	4.629	
11,000.00	10,175.00	9,619.00	9,617.73	28.51	212.82	-51.932	1,065.13	855.14	901.80	704.95	196.85	4.581	
11,033.77	10,175.00	9,619.00	9,617.73	28.98	212.82	-51.932	1,065.13	855.14	899.29	702.07	197.21	4.560	
11,083.92	10,175.00	9,619.00	9,617.73	29.69	212.82	-51.932	1,065.13	855.14	897.89	699.92	197.97	4.536 CC	
11,100.00	10,175.00	9,619.00	9,617.73	29.91	212.82	-51.932	1,065.13	855.14	898.03	699.77	198.26	4.529 ES	
11,118.35	10,175.00	9,619.00	9,617.73	30.18	212.82	-51.932	1,065.13	855.14	898.55	699.91	198.64	4.524	
11,200.00	10,175.00	9,619.00	9,617.73	31.39	212.82	-51.932	1,065.13	855.14	905.36	704.68	200.68	4.512 SF	
11,300.00	10,175.00	9,619.00	9,617.73	32.94	212.82	-51.932	1,065.13	855.14	923.52	719.62	203.90	4.529	
11,400.00	10,175.00	9,619.00	9,617.73	34.55	212.82	-51.932	1,065.13	855.14	951.89	744.28	207.62	4.585	
11,500.00	10,175.00	9,619.00	9,617.73	36.21	212.82	-51.932	1,065.13	855.14	989.60	778.09	211.52	4.679	
11,600.00	10,175.00	9,619.00	9,617.73	37.91	212.82	-51.932	1,065.13	855.14	1,035.63	820.30	215.33	4.809	
11,700.00	10,175.00	9,619.00	9,617.73	39.65	212.82	-51.932	1,065.13	855.14	1,088.92	870.04	218.88	4.975	
11,800.00	10,175.00	9,619.00	9,617.73	41.42	212.82	-51.932	1,065.13	855.14	1,148.46	926.40	222.06	5.172	
11,900.00	10,175.00	9,619.00	9,617.73	43.22	212.82	-51.932	1,065.13	855.14	1,213.33	988.49	224.84	5.396	
12,000.00	10,175.00	9,619.00	9,617.73	45.05	212.82	-51.932	1,065.13	855.14	1,282.73	1,055.50	227.23	5.645	
12,100.00	10,175.00	9,619.00	9,617.73	46.89	212.82	-51.932	1,065.13	855.14	1,355.95	1,126.68	229.27	5.914	
12,200.00	10,175.00	9,619.00	9,617.73	48.76	212.82	-51.932	1,065.13	855.14	1,432.42	1,201.43	230.99	6.201	
12,300.00	10,175.00	9,619.00	9,617.73	50.64	212.82	-51.932	1,065.13	855.14	1,511.63	1,279.19	232.44	6.503	
12,400.00	10,175.00	9,619.00	9,617.73	52.53	212.82	-51.932	1,065.13	855.14	1,593.19	1,359.52	233.67	6.818	
12,500.00	10,175.00	9,619.00	9,617.73	54.44	212.82	-51.932	1,065.13	855.14	1,676.74	1,442.04	234.70	7.144	
12,600.00	10,175.00	9,619.00	9,617.73	56.36	212.82	-51.932	1,065.13	855.14	1,762.01	1,526.44	235.57	7.480	
12,700.00	10,175.00	9,619.00	9,617.73	58.29	212.82	-51.932	1,065.13	855.14	1,848.75	1,612.44	236.31	7.823	
12,800.00	10,175.00	9,619.00	9,617.73	60.23	212.82	-51.932	1,065.13	855.14	1,936.78	1,699.84	236.94	8.174	
12,900.00	10,175.00	9,619.00	9,617.73	62.18	212.82	-51.932	1,065.13	855.14	2,025.91	1,788.44	237.48	8.531	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W11) HULKSTER 004 - 39571 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 275-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	
10,700.00	10,175.00	9,450.00	9,447.08	24.94	225.24	-43.894	1,067.59	2,173.77	1,983.47	1,757.70	225.77	8.785	
10,800.00	10,175.00	9,450.00	9,447.08	26.01	225.24	-43.894	1,067.59	2,173.77	1,898.32	1,673.68	224.64	8.450	
10,900.00	10,175.00	9,450.00	9,447.08	27.21	225.24	-43.894	1,067.59	2,173.77	1,814.69	1,591.24	223.45	8.121	
11,000.00	10,175.00	9,450.00	9,447.08	28.51	225.24	-43.894	1,067.59	2,173.77	1,732.80	1,510.61	222.19	7.799	
11,100.00	10,175.00	9,450.00	9,447.08	29.91	225.24	-43.894	1,067.59	2,173.77	1,652.90	1,432.06	220.84	7.484	
11,200.00	10,175.00	9,450.00	9,447.08	31.39	225.24	-43.894	1,067.59	2,173.77	1,575.30	1,355.90	219.40	7.180	
11,300.00	10,175.00	9,450.00	9,447.08	32.94	225.24	-43.894	1,067.59	2,173.77	1,500.35	1,282.51	217.84	6.887	
11,400.00	10,175.00	9,450.00	9,447.08	34.55	225.24	-43.894	1,067.59	2,173.77	1,428.48	1,212.32	216.15	6.609	
11,500.00	10,175.00	9,450.00	9,447.08	36.21	225.24	-43.894	1,067.59	2,173.77	1,360.16	1,145.84	214.32	6.346	
11,600.00	10,175.00	9,450.00	9,447.08	37.91	225.24	-43.894	1,067.59	2,173.77	1,295.97	1,083.62	212.34	6.103	
11,700.00	10,175.00	9,450.00	9,447.08	39.65	225.24	-43.894	1,067.59	2,173.77	1,236.53	1,026.30	210.23	5.882	
11,749.80	10,175.00	9,450.00	9,447.08	40.53	225.24	-43.894	1,067.59	2,173.77	1,208.93	999.79	209.15	5.780	
11,800.00	10,175.00	9,450.00	9,447.08	41.42	225.24	-43.894	1,067.59	2,173.77	1,182.58	974.54	208.04	5.684	
11,847.44	10,175.00	9,450.00	9,447.08	42.28	225.24	-43.894	1,067.59	2,173.77	1,159.13	952.13	207.00	5.600	
11,900.00	10,175.00	9,450.00	9,447.08	43.22	225.24	-43.894	1,067.59	2,173.77	1,134.90	929.02	205.87	5.513	
11,944.95	10,175.00	9,450.00	9,447.08	44.04	225.24	-43.894	1,067.59	2,173.77	1,115.72	910.77	204.95	5.444	
12,000.00	10,175.00	9,450.00	9,447.08	45.05	225.24	-43.894	1,067.59	2,173.77	1,094.29	890.41	203.89	5.367	
12,042.31	10,175.00	9,450.00	9,447.08	45.83	225.24	-43.894	1,067.59	2,173.77	1,079.45	876.29	203.16	5.313	
12,100.00	10,175.00	9,450.00	9,447.08	46.89	225.24	-43.894	1,067.59	2,173.77	1,061.59	859.27	202.31	5.247	
12,139.48	10,175.00	9,450.00	9,447.08	47.63	225.24	-43.894	1,067.59	2,173.77	1,051.02	849.14	201.87	5.206	
12,200.00	10,175.00	9,450.00	9,447.08	48.76	225.24	-43.894	1,067.59	2,173.77	1,037.52	836.08	201.44	5.151	
12,236.45	10,175.00	9,450.00	9,447.08	49.44	225.24	-43.894	1,067.59	2,173.77	1,031.03	829.68	201.35	5.121	
12,300.00	10,175.00	9,450.00	9,447.08	50.64	225.24	-43.894	1,067.59	2,173.77	1,022.71	821.18	201.53	5.075	
12,333.21	10,175.00	9,450.00	9,447.08	51.27	225.24	-43.894	1,067.59	2,173.77	1,019.92	818.10	201.82	5.054	
12,379.29	10,175.00	9,450.00	9,447.08	52.14	225.24	-43.894	1,067.59	2,173.77	1,017.82	815.39	202.43	5.028	
12,400.00	10,175.00	9,450.00	9,447.08	52.53	225.24	-43.894	1,067.59	2,173.77	1,017.56	814.77	202.79	5.018 CC	
12,420.20	10,175.00	9,450.00	9,447.08	52.92	225.24	-43.894	1,067.59	2,173.77	1,017.71	814.52	203.19	5.009 ES	
12,500.00	10,175.00	9,450.00	9,447.08	54.44	225.24	-43.894	1,067.59	2,173.77	1,022.21	816.97	205.25	4.980	
12,600.00	10,175.00	9,450.00	9,447.08	56.36	225.24	-43.894	1,067.59	2,173.77	1,036.53	827.78	208.75	4.965 SF	
12,700.00	10,175.00	9,450.00	9,447.08	58.29	225.24	-43.894	1,067.59	2,173.77	1,060.14	847.12	213.02	4.977	
12,800.00	10,175.00	9,450.00	9,447.08	60.23	225.24	-43.894	1,067.59	2,173.77	1,092.42	874.73	217.69	5.018	
12,900.00	10,175.00	9,450.00	9,447.08	62.18	225.24	-43.894	1,067.59	2,173.77	1,132.64	910.19	222.44	5.092	
13,000.00	10,175.00	9,450.00	9,447.08	64.13	225.24	-43.894	1,067.59	2,173.77	1,179.98	952.97	227.01	5.198	
13,100.00	10,175.00	9,450.00	9,447.08	66.10	225.24	-43.894	1,067.59	2,173.77	1,233.63	1,002.39	231.24	5.335	
13,200.00	10,175.00	9,450.00	9,447.08	68.07	225.24	-43.894	1,067.59	2,173.77	1,292.80	1,057.77	235.03	5.501	
13,300.00	10,175.00	9,450.00	9,447.08	70.04	225.24	-43.894	1,067.59	2,173.77	1,356.77	1,118.41	238.36	5.692	
13,400.00	10,175.00	9,450.00	9,447.08	72.03	225.24	-43.894	1,067.59	2,173.77	1,424.89	1,183.64	241.24	5.906	
13,500.00	10,175.00	9,450.00	9,447.08	74.01	225.24	-43.894	1,067.59	2,173.77	1,496.59	1,252.87	243.72	6.141	
13,600.00	10,175.00	9,450.00	9,447.08	76.00	225.24	-43.894	1,067.59	2,173.77	1,571.40	1,325.57	245.83	6.392	
13,700.00	10,175.00	9,450.00	9,447.08	78.00	225.24	-43.894	1,067.59	2,173.77	1,648.87	1,401.25	247.62	6.659	
13,800.00	10,175.00	9,450.00	9,447.08	80.00	225.24	-43.894	1,067.59	2,173.77	1,728.66	1,479.53	249.13	6.939	
13,900.00	10,175.00	9,450.00	9,447.08	82.00	225.24	-43.894	1,067.59	2,173.77	1,810.45	1,560.04	250.41	7.230	
14,000.00	10,175.00	9,450.00	9,447.08	84.00	225.24	-43.894	1,067.59	2,173.77	1,894.00	1,642.51	251.49	7.531	
14,100.00	10,175.00	9,450.00	9,447.08	86.01	225.24	-43.894	1,067.59	2,173.77	1,979.07	1,726.66	252.41	7.841	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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		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)			
10,600.00	10,175.00	9,537.00	9,535.56	24.01	206.91	44.112	-252.32	2,183.09	2,012.01	1,797.23	214.78	9.368	
10,700.00	10,175.00	9,537.00	9,535.56	24.94	206.91	44.112	-252.32	2,183.09	1,922.65	1,708.81	213.84	8.991	
10,800.00	10,175.00	9,537.00	9,535.56	26.01	206.91	44.112	-252.32	2,183.09	1,834.39	1,621.57	212.81	8.620	
10,900.00	10,175.00	9,537.00	9,535.56	27.21	206.91	44.112	-252.32	2,183.09	1,747.39	1,535.70	211.69	8.255	
11,000.00	10,175.00	9,537.00	9,535.56	28.51	206.91	44.112	-252.32	2,183.09	1,661.86	1,451.41	210.44	7.897	
11,100.00	10,175.00	9,537.00	9,535.56	29.91	206.91	44.112	-252.32	2,183.09	1,578.02	1,368.95	209.07	7.548	
11,200.00	10,175.00	9,537.00	9,535.56	31.39	206.91	44.112	-252.32	2,183.09	1,496.18	1,288.62	207.56	7.209	
11,300.00	10,175.00	9,537.00	9,535.56	32.94	206.91	44.112	-252.32	2,183.09	1,416.67	1,210.80	205.87	6.881	
11,400.00	10,175.00	9,537.00	9,535.56	34.55	206.91	44.112	-252.32	2,183.09	1,339.90	1,135.91	204.00	6.568	
11,500.00	10,175.00	9,537.00	9,535.56	36.21	206.91	44.112	-252.32	2,183.09	1,266.39	1,064.47	201.92	6.272	
11,600.00	10,175.00	9,537.00	9,535.56	37.91	206.91	44.112	-252.32	2,183.09	1,196.72	997.11	199.61	5.995	
11,700.00	10,175.00	9,537.00	9,535.56	39.65	206.91	44.112	-252.32	2,183.09	1,131.61	934.53	197.07	5.742	
11,800.00	10,175.00	9,537.00	9,535.56	41.42	206.91	44.112	-252.32	2,183.09	1,071.88	877.54	194.34	5.516	
11,849.82	10,175.00	9,537.00	9,535.56	42.32	206.91	44.112	-252.32	2,183.09	1,044.43	851.50	192.92	5.414	
11,900.00	10,175.00	9,537.00	9,535.56	43.22	206.91	44.112	-252.32	2,183.09	1,018.49	827.01	191.48	5.319	
11,947.08	10,175.00	9,537.00	9,535.56	44.08	206.91	44.112	-252.32	2,183.09	995.84	805.70	190.14	5.237	
12,000.00	10,175.00	9,537.00	9,535.56	45.05	206.91	44.112	-252.32	2,183.09	972.48	783.81	188.67	5.155	
12,044.17	10,175.00	9,537.00	9,535.56	45.86	206.91	44.112	-252.32	2,183.09	954.79	767.29	187.50	5.092	
12,100.00	10,175.00	9,537.00	9,535.56	46.89	206.91	44.112	-252.32	2,183.09	934.94	748.78	186.16	5.022	
12,141.05	10,175.00	9,537.00	9,535.56	47.66	206.91	44.112	-252.32	2,183.09	922.23	736.92	185.31	4.977	
12,200.00	10,175.00	9,537.00	9,535.56	48.76	206.91	44.112	-252.32	2,183.09	906.92	722.59	184.34	4.920	
12,237.66	10,175.00	9,537.00	9,535.56	49.46	206.91	44.112	-252.32	2,183.09	899.03	715.12	183.91	4.888	
12,300.00	10,175.00	9,537.00	9,535.56	50.64	206.91	44.112	-252.32	2,183.09	889.33	705.72	183.60	4.844	
12,334.00	10,175.00	9,537.00	9,535.56	51.28	206.91	44.112	-252.32	2,183.09	885.84	702.17	183.67	4.823	
12,400.00	10,175.00	9,537.00	9,535.56	52.53	206.91	44.112	-252.32	2,183.09	882.78	698.49	184.29	4.790	
12,408.03	10,175.00	9,537.00	9,535.56	52.68	206.91	44.112	-252.32	2,183.09	882.74	698.33	184.41	4.787 CC	
12,419.95	10,175.00	9,537.00	9,535.56	52.91	206.91	44.112	-252.32	2,183.09	882.82	698.21	184.61	4.782 ES	
12,500.00	10,175.00	9,537.00	9,535.56	54.44	206.91	44.112	-252.32	2,183.09	887.52	701.03	186.49	4.759	
12,600.00	10,175.00	9,537.00	9,535.56	56.36	206.91	44.112	-252.32	2,183.09	903.38	713.37	190.00	4.755 SF	
12,700.00	10,175.00	9,537.00	9,535.56	58.29	206.91	44.112	-252.32	2,183.09	929.78	735.36	194.42	4.782	
12,800.00	10,175.00	9,537.00	9,535.56	60.23	206.91	44.112	-252.32	2,183.09	965.86	766.61	199.24	4.848	
12,900.00	10,175.00	9,537.00	9,535.56	62.18	206.91	44.112	-252.32	2,183.09	1,010.58	806.53	204.05	4.953	
13,000.00	10,175.00	9,537.00	9,535.56	64.13	206.91	44.112	-252.32	2,183.09	1,062.86	854.31	208.54	5.097	
13,100.00	10,175.00	9,537.00	9,535.56	66.10	206.91	44.112	-252.32	2,183.09	1,121.63	909.06	212.58	5.276	
13,200.00	10,175.00	9,537.00	9,535.56	68.07	206.91	44.112	-252.32	2,183.09	1,185.94	969.86	216.09	5.488	
13,300.00	10,175.00	9,537.00	9,535.56	70.04	206.91	44.112	-252.32	2,183.09	1,254.93	1,035.84	219.09	5.728	
13,400.00	10,175.00	9,537.00	9,535.56	72.03	206.91	44.112	-252.32	2,183.09	1,327.87	1,106.25	221.62	5.992	
13,500.00	10,175.00	9,537.00	9,535.56	74.01	206.91	44.112	-252.32	2,183.09	1,404.15	1,180.40	223.75	6.276	
13,600.00	10,175.00	9,537.00	9,535.56	76.00	206.91	44.112	-252.32	2,183.09	1,483.25	1,257.73	225.53	6.577	
13,700.00	10,175.00	9,537.00	9,535.56	78.00	206.91	44.112	-252.32	2,183.09	1,564.75	1,337.74	227.01	6.893	
13,800.00	10,175.00	9,537.00	9,535.56	80.00	206.91	44.112	-252.32	2,183.09	1,648.28	1,420.03	228.26	7.221	
13,900.00	10,175.00	9,537.00	9,535.56	82.00	206.91	44.112	-252.32	2,183.09	1,733.56	1,504.26	229.30	7.560	
14,000.00	10,175.00	9,537.00	9,535.56	84.00	206.91	44.112	-252.32	2,183.09	1,820.34	1,590.16	230.17	7.909	
14,100.00	10,175.00	9,537.00	9,535.56	86.01	206.91	44.112	-252.32	2,183.09	1,908.41	1,677.49	230.91	8.265	
14,200.00	10,175.00	9,537.00	9,535.56	88.02	206.91	44.112	-252.32	2,183.09	1,997.60	1,766.06	231.54	8.627	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W14) KEELA FEDERAL 003 - 33340 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-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	
14,300.00	10,175.00	10,163.12	10,160.58	90.04	239.90	89.663	-439.52	5,929.50	2,024.14	1,743.18	280.96	7.204	
14,400.00	10,175.00	10,163.12	10,160.58	92.05	239.90	89.663	-439.52	5,929.50	1,932.97	1,649.74	283.23	6.825	
14,500.00	10,175.00	10,163.11	10,160.58	94.07	239.90	89.663	-439.52	5,929.50	1,842.72	1,556.98	285.74	6.449	
14,600.00	10,175.00	10,163.11	10,160.57	96.09	239.90	89.663	-439.52	5,929.50	1,753.52	1,465.02	288.50	6.078	
14,700.00	10,175.00	10,163.11	10,160.57	98.12	239.90	89.662	-439.52	5,929.50	1,665.55	1,373.99	291.56	5.713	
14,800.00	10,175.00	10,163.11	10,160.57	100.14	239.90	89.662	-439.52	5,929.50	1,579.01	1,284.07	294.95	5.354	
14,900.00	10,175.00	10,163.11	10,160.57	102.17	239.90	89.662	-439.52	5,929.50	1,494.16	1,195.47	298.69	5.002	
15,000.00	10,175.00	10,163.11	10,160.57	104.20	239.90	89.662	-439.52	5,929.50	1,411.29	1,108.45	302.84	4.660	
15,100.00	10,175.00	10,163.10	10,160.57	106.23	239.90	89.662	-439.52	5,929.50	1,330.78	1,023.35	307.42	4.329	
15,200.00	10,175.00	10,163.10	10,160.56	108.26	239.90	89.662	-439.52	5,929.50	1,253.07	940.60	312.48	4.010	
15,300.00	10,175.00	10,163.10	10,160.56	110.29	239.90	89.662	-439.52	5,929.50	1,178.74	860.72	318.02	3.706	
15,400.00	10,175.00	10,163.10	10,160.56	112.33	239.90	89.662	-439.52	5,929.50	1,108.44	784.40	324.04	3.421	
15,500.00	10,175.00	10,163.10	10,160.56	114.36	239.90	89.661	-439.52	5,929.50	1,043.01	712.51	330.51	3.156	
15,600.00	10,175.00	10,163.10	10,160.56	116.40	239.90	89.661	-439.52	5,929.50	983.41	646.11	337.30	2.916	
15,700.00	10,175.00	10,163.09	10,160.56	118.44	239.90	89.661	-439.52	5,929.50	930.77	586.53	344.24	2.704	
15,800.00	10,175.00	10,163.09	10,160.55	120.48	239.90	89.661	-439.52	5,929.50	886.32	535.29	351.03	2.525	
15,900.00	10,175.00	10,163.09	10,160.55	122.52	239.90	89.661	-439.52	5,929.50	851.34	494.07	357.27	2.383	
16,000.00	10,175.00	10,163.09	10,160.55	124.56	239.90	89.661	-439.52	5,929.50	827.05	464.56	362.49	2.282	
16,100.00	10,175.00	10,163.09	10,160.55	126.60	239.90	89.661	-439.52	5,929.50	814.40	448.14	366.26	2.224	
16,153.86	10,175.00	10,163.09	10,160.55	127.70	239.90	89.661	-439.52	5,929.50	812.61	445.05	367.56	2.211 CC, ES	
16,200.00	10,175.00	10,163.09	10,160.55	128.65	239.90	89.661	-439.52	5,929.50	813.92	445.68	368.24	2.210 SF	
16,300.00	10,175.00	10,163.08	10,160.55	130.69	239.90	89.661	-439.52	5,929.50	825.65	457.29	368.36	2.241	
16,400.00	10,175.00	10,163.08	10,160.54	132.74	239.90	89.660	-439.52	5,929.50	849.07	482.32	366.75	2.315	
16,500.00	10,175.00	10,163.08	10,160.54	134.78	239.90	89.660	-439.52	5,929.50	883.26	519.51	363.75	2.428	
16,600.00	10,175.00	10,163.08	10,160.54	136.83	239.90	89.660	-439.52	5,929.50	927.03	567.26	359.77	2.577	
16,700.00	10,175.00	10,163.08	10,160.54	138.87	239.90	89.660	-439.52	5,929.50	979.08	623.89	355.20	2.756	
16,800.00	10,175.00	10,163.08	10,160.54	140.92	239.90	89.660	-439.52	5,929.50	1,038.19	687.81	350.38	2.963	
16,900.00	10,175.00	10,163.07	10,160.54	142.97	239.90	89.660	-439.52	5,929.50	1,103.20	757.66	345.54	3.193	
17,000.00	10,175.00	10,163.07	10,160.53	145.02	239.90	89.660	-439.52	5,929.50	1,173.15	832.30	340.85	3.442	
17,100.00	10,175.00	10,163.07	10,160.53	147.07	239.90	89.660	-439.52	5,929.50	1,247.20	910.80	336.40	3.707	
17,200.00	10,175.00	10,163.07	10,160.53	149.12	239.90	89.659	-439.52	5,929.50	1,324.67	992.43	332.24	3.987	
17,300.00	10,175.00	10,163.07	10,160.53	151.17	239.90	89.659	-439.52	5,929.50	1,404.98	1,076.59	328.39	4.278	
17,400.00	10,175.00	10,163.07	10,160.53	153.22	239.90	89.659	-439.52	5,929.50	1,487.68	1,162.84	324.84	4.580	
17,500.00	10,175.00	10,163.06	10,160.53	155.27	239.90	89.659	-439.52	5,929.50	1,572.39	1,250.81	321.58	4.890	
17,600.00	10,175.00	10,163.06	10,160.52	157.32	239.90	89.659	-439.52	5,929.50	1,658.81	1,340.21	318.60	5.207	
17,700.00	10,175.00	10,163.06	10,160.52	159.38	239.90	89.659	-439.52	5,929.50	1,746.68	1,430.80	315.87	5.530	
17,800.00	10,175.00	10,163.06	10,160.52	161.43	239.90	89.659	-439.52	5,929.50	1,835.79	1,522.41	313.38	5.858	
17,900.00	10,175.00	10,163.06	10,160.52	163.48	239.90	89.659	-439.52	5,929.50	1,925.96	1,614.87	311.09	6.191	
18,000.00	10,175.00	10,163.06	10,160.52	165.54	239.90	89.659	-439.52	5,929.50	2,017.07	1,708.07	309.00	6.528	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 229-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	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	151.093	-1,573.26	868.75	1,797.21					
100.00	100.00	90.36	90.36	0.79	1.87	151.093	-1,573.26	868.75	1,797.18	1,794.53	2.65	677.269		
200.00	200.00	190.36	190.36	1.45	3.94	151.093	-1,573.26	868.75	1,797.18	1,791.80	5.38	333.972		
300.00	300.00	290.37	290.36	1.89	5.91	151.093	-1,573.26	868.75	1,797.18	1,789.38	7.80	230.400		
339.44	339.44	329.78	329.77	2.03	6.66	151.088	-1,572.93	868.75	1,796.90	1,788.20	8.70	206.600		
400.00	400.00	384.72	384.71	2.25	7.71	151.089	-1,573.03	868.75	1,796.99	1,787.02	9.97	180.271		
500.00	500.00	490.38	490.36	2.57	10.25	151.093	-1,573.26	868.75	1,797.18	1,784.37	12.81	140.256		
600.00	600.00	590.38	590.36	2.85	13.00	151.093	-1,573.26	868.75	1,797.18	1,781.33	15.85	113.372		
683.39	683.39	673.69	673.67	3.07	15.30	151.085	-1,572.74	868.75	1,796.72	1,778.36	18.36	97.838		
700.00	700.00	689.84	689.82	3.11	15.74	151.085	-1,572.74	868.75	1,796.73	1,777.87	18.85	95.305		
800.00	800.00	787.08	787.06	3.35	18.42	151.087	-1,572.86	868.75	1,796.83	1,775.06	21.77	82.524		
900.00	900.00	884.32	884.29	3.58	21.11	151.091	-1,573.15	868.75	1,797.10	1,772.42	24.68	72.816		
1,000.00	1,000.00	990.39	990.36	3.79	23.56	151.093	-1,573.26	868.75	1,797.18	1,769.84	27.35	65.715		
1,100.00	1,100.00	1,090.39	1,090.36	3.99	25.71	151.093	-1,573.26	868.75	1,797.18	1,767.48	29.71	60.492		
1,172.91	1,172.91	1,163.26	1,163.23	4.14	27.29	151.089	-1,572.99	868.75	1,796.95	1,765.52	31.42	57.184		
1,200.00	1,200.00	1,189.98	1,189.95	4.19	27.86	151.089	-1,572.99	868.75	1,796.95	1,764.90	32.05	56.062		
1,300.00	1,300.00	1,288.62	1,288.59	4.38	29.99	151.090	-1,573.06	868.75	1,797.01	1,762.64	34.37	52.286		
1,400.00	1,400.00	1,387.26	1,387.23	4.56	32.12	151.092	-1,573.22	868.75	1,797.15	1,760.47	36.68	48.997		
1,500.00	1,500.00	1,490.39	1,490.36	4.74	34.25	151.093	-1,573.26	868.75	1,797.18	1,758.19	38.99	46.091		
1,600.00	1,600.00	1,590.39	1,590.36	4.91	36.30	151.093	-1,573.26	868.75	1,797.18	1,755.97	41.21	43.608		
1,667.10	1,667.10	1,657.49	1,657.46	5.02	37.67	151.089	-1,572.99	868.75	1,796.95	1,754.25	42.70	42.084		
1,700.00	1,700.00	1,689.95	1,689.91	5.08	38.34	151.089	-1,572.99	868.75	1,796.95	1,753.53	43.42	41.387		
1,800.00	1,800.00	1,788.59	1,788.55	5.24	40.36	151.090	-1,573.07	868.75	1,797.01	1,751.41	45.60	39.406		
1,900.00	1,900.00	1,887.22	1,887.19	5.40	42.38	151.092	-1,573.22	868.75	1,797.15	1,749.37	47.78	37.611		
2,000.00	2,000.00	1,990.41	1,990.36	5.56	44.57	151.093	-1,573.26	868.75	1,797.18	1,747.06	50.12	35.855		
2,100.00	2,100.00	2,090.41	2,090.36	5.71	46.70	151.093	-1,573.26	868.75	1,797.18	1,744.77	52.41	34.290		
2,183.50	2,183.50	2,173.75	2,173.69	5.84	48.48	151.079	-1,572.40	868.75	1,796.43	1,742.12	54.31	33.075 CC		
2,200.00	2,200.00	2,189.63	2,189.57	5.86	48.82	151.080	-1,572.40	868.75	1,796.43	1,741.76	54.68	32.855		
2,300.00	2,300.00	2,285.88	2,285.82	6.01	50.87	151.082	-1,572.57	868.75	1,796.58	1,739.70	56.88	31.586		
2,400.00	2,400.00	2,382.13	2,382.07	6.16	52.92	151.088	-1,572.96	868.75	1,796.94	1,737.86	59.08	30.417		
2,500.00	2,500.00	2,490.46	2,490.36	6.30	55.16	151.093	-1,573.26	868.75	1,797.18	1,735.73	61.45	29.244		
2,600.00	2,599.98	2,590.44	2,590.34	6.51	57.15	-171.136	-1,573.26	868.75	1,798.91	1,735.24	63.67	28.255		
2,700.00	2,699.84	2,689.24	2,689.14	6.74	59.13	-171.157	-1,572.51	868.75	1,803.42	1,737.56	65.86	27.382		
2,800.00	2,799.45	2,784.61	2,784.50	6.95	61.03	-171.169	-1,572.70	868.75	1,812.20	1,744.23	67.98	26.660		
2,900.00	2,898.93	2,879.80	2,879.69	7.26	62.93	-171.210	-1,573.15	868.75	1,822.75	1,752.56	70.19	25.970		
3,000.00	2,998.40	2,988.91	2,988.76	7.46	65.23	-171.261	-1,573.26	868.75	1,832.96	1,760.28	72.68	25.219		
3,100.00	3,097.87	3,088.39	3,088.23	7.67	67.35	-171.310	-1,573.26	868.75	1,843.10	1,768.09	75.01	24.571		
3,200.00	3,197.34	3,185.82	3,185.66	7.90	69.43	-171.373	-1,572.19	868.75	1,852.30	1,774.99	77.31	23.959		
3,300.00	3,296.82	3,279.99	3,279.82	8.14	71.43	-171.414	-1,572.46	868.75	1,862.69	1,783.14	79.56	23.414		
3,400.00	3,396.29	3,374.12	3,373.94	8.39	73.43	-171.449	-1,573.04	868.75	1,873.37	1,791.56	81.81	22.899		
3,500.00	3,495.76	3,486.35	3,486.12	8.66	75.87	-171.498	-1,573.26	868.75	1,883.66	1,799.15	84.51	22.289		
3,600.00	3,595.23	3,585.83	3,585.59	8.93	78.04	-171.544	-1,573.26	868.75	1,893.81	1,806.86	86.95	21.780		
3,700.00	3,694.71	3,683.39	3,683.15	9.22	80.16	-171.605	-1,572.19	868.75	1,903.02	1,813.66	89.36	21.296		
3,800.00	3,794.18	3,777.40	3,777.15	9.51	82.21	-171.643	-1,572.45	868.75	1,913.41	1,821.71	91.70	20.866		
3,900.00	3,893.65	3,871.36	3,871.10	9.81	84.26	-171.677	-1,573.03	868.75	1,924.09	1,830.04	94.05	20.459		
4,000.00	3,993.13	3,983.81	3,983.49	10.12	86.53	-171.723	-1,573.26	868.75	1,934.40	1,837.77	96.63	20.019		
4,100.00	4,092.60	4,082.24	4,081.90	10.44	88.47	-171.780	-1,572.32	868.75	1,943.73	1,844.86	98.87	19.659		
4,200.00	4,192.07	4,172.09	4,171.74	10.76	90.23	-171.814	-1,572.63	868.75	1,954.19	1,853.23	100.95	19.358		
4,300.00	4,291.54	4,282.28	4,281.90	11.08	92.41	-171.852	-1,573.26	868.75	1,964.85	1,861.40	103.46	18.992		
4,400.00	4,391.02	4,381.76	4,381.38	11.41	94.40	-171.894	-1,573.26	868.75	1,975.01	1,869.23	105.78	18.672		
4,500.00	4,490.49	4,481.23	4,480.85	11.75	96.39	-171.936	-1,573.26	868.75	1,985.16	1,877.06	108.10	18.364		
4,600.00	4,589.96	4,576.73	4,576.34	12.09	98.30	-171.986	-1,572.56	868.75	1,994.71	1,884.36	110.35	18.076		

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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		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)			
4,700.00	4,689.43	4,671.79	4,671.40	12.43	100.20	-172.020	-1,572.90	868.75	2,005.18	1,892.59	112.59	17.809	
4,800.00	4,788.91	4,779.69	4,779.27	12.78	102.36	-172.059	-1,573.26	868.75	2,015.63	1,900.53	115.10	17.512	
4,900.00	4,888.38	4,879.16	4,878.74	13.13	104.35	-172.099	-1,573.26	868.75	2,025.79	1,908.35	117.44	17.250	
5,000.00	4,987.85	4,978.64	4,978.21	13.48	106.35	-172.138	-1,573.26	868.75	2,035.95	1,916.17	119.78	16.998	
5,100.00	5,087.33	5,073.88	5,073.45	13.84	108.25	-172.186	-1,572.56	868.75	2,045.51	1,923.47	122.04	16.761	
5,200.00	5,186.80	5,168.88	5,168.44	14.20	110.15	-172.218	-1,572.91	868.75	2,055.98	1,931.69	124.29	16.542	
10,400.00	10,161.50	10,141.65	10,139.93	22.65	227.08	85.254	-1,572.34	868.75	2,049.85	1,800.20	249.66	8.211	
10,500.00	10,174.47	10,153.62	10,151.89	23.24	227.40	88.865	-1,572.41	868.75	2,018.81	1,768.25	250.56	8.057	
10,600.00	10,175.00	10,154.10	10,152.38	24.01	227.42	89.615	-1,572.42	868.75	1,991.90	1,740.56	251.33	7.925	
10,700.00	10,175.00	10,154.10	10,152.38	24.94	227.42	89.615	-1,572.42	868.75	1,969.69	1,717.45	252.25	7.809	
10,800.00	10,175.00	10,154.10	10,152.37	26.01	227.42	89.615	-1,572.42	868.75	1,952.36	1,699.08	253.29	7.708	
10,900.00	10,175.00	10,154.10	10,152.37	27.21	227.42	89.615	-1,572.42	868.75	1,940.04	1,685.61	254.44	7.625	
11,000.00	10,175.00	10,154.09	10,152.37	28.51	227.42	89.614	-1,572.42	868.75	1,932.82	1,677.15	255.67	7.560	
11,090.09	10,175.00	10,154.09	10,152.37	29.77	227.42	89.614	-1,572.42	868.75	1,930.73	1,673.91	256.83	7.518	
11,100.00	10,175.00	10,154.09	10,152.37	29.91	227.42	89.614	-1,572.42	868.75	1,930.76	1,673.81	256.95	7.514 ES	
11,200.00	10,175.00	10,154.09	10,152.37	31.39	227.42	89.614	-1,572.42	868.75	1,933.87	1,675.60	258.27	7.488	
11,300.00	10,175.00	10,154.09	10,152.36	32.94	227.42	89.614	-1,572.42	868.75	1,942.14	1,682.54	259.60	7.481 SF	
11,400.00	10,175.00	10,154.09	10,152.36	34.55	227.42	89.614	-1,572.42	868.75	1,955.49	1,694.58	260.91	7.495	
11,500.00	10,175.00	10,154.08	10,152.36	36.21	227.42	89.614	-1,572.42	868.75	1,973.82	1,711.63	262.19	7.528	
11,600.00	10,175.00	10,154.08	10,152.36	37.91	227.42	89.614	-1,572.42	868.75	1,997.00	1,733.58	263.42	7.581	
11,700.00	10,175.00	10,154.08	10,152.36	39.65	227.42	89.614	-1,572.42	868.75	2,024.86	1,760.27	264.59	7.653	
11,800.00	10,175.00	10,154.08	10,152.36	41.42	227.42	89.614	-1,572.42	868.75	2,057.20	1,791.52	265.69	7.743	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	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	103.448	-253.76	1,061.27	1,091.33					
100.00	100.00	82.36	82.36	0.79	2.36	103.448	-253.76	1,061.27	1,091.19	1,088.04	3.14	347.089		
200.00	200.00	182.36	182.36	1.45	5.22	103.448	-253.76	1,061.27	1,091.19	1,084.52	6.67	163.657		
300.00	300.00	282.36	282.36	1.89	8.08	103.448	-253.76	1,061.27	1,091.19	1,081.21	9.98	109.377		
400.00	400.00	382.36	382.36	2.25	10.95	103.448	-253.76	1,061.27	1,091.19	1,077.98	13.20	82.655		
500.00	500.00	482.37	482.36	2.57	13.67	103.448	-253.76	1,061.27	1,091.19	1,074.95	16.24	67.208		
600.00	600.00	582.37	582.36	2.85	16.35	103.448	-253.76	1,061.27	1,091.19	1,071.99	19.20	56.845		
694.00	694.00	676.35	676.34	3.09	18.86	103.418	-253.18	1,061.27	1,091.05	1,069.09	21.96	49.692		
700.00	700.00	682.33	682.32	3.11	19.02	103.418	-253.18	1,061.27	1,091.05	1,068.92	22.13	49.298		
800.00	800.00	781.92	781.91	3.35	21.69	103.423	-253.28	1,061.27	1,091.07	1,066.03	25.04	43.574		
900.00	900.00	881.52	881.51	3.58	24.36	103.436	-253.53	1,061.27	1,091.13	1,063.20	27.93	39.062		
1,000.00	1,000.00	982.39	982.36	3.79	26.80	103.448	-253.76	1,061.27	1,091.19	1,060.59	30.59	35.668		
1,100.00	1,100.00	1,082.39	1,082.36	3.99	28.86	103.448	-253.76	1,061.27	1,091.19	1,058.33	32.86	33.212		
1,200.00	1,200.00	1,182.39	1,182.36	4.19	30.92	103.448	-253.76	1,061.27	1,091.19	1,056.08	35.11	31.080		
1,239.61	1,239.61	1,221.86	1,221.83	4.27	31.73	103.420	-253.23	1,061.27	1,091.06	1,055.06	36.00	30.310		
1,300.00	1,300.00	1,281.98	1,281.96	4.38	32.97	103.424	-253.29	1,061.27	1,091.08	1,053.73	37.35	29.214		
1,400.00	1,400.00	1,381.55	1,381.52	4.56	35.02	103.436	-253.54	1,061.27	1,091.13	1,051.55	39.58	27.568		
1,500.00	1,500.00	1,482.42	1,482.36	4.74	37.11	103.448	-253.76	1,061.27	1,091.19	1,049.34	41.85	26.076		
1,600.00	1,600.00	1,582.42	1,582.36	4.91	39.20	103.448	-253.76	1,061.27	1,091.19	1,047.07	44.11	24.737		
1,700.00	1,700.00	1,682.42	1,682.36	5.08	41.29	103.448	-253.76	1,061.27	1,091.19	1,044.81	46.37	23.531		
1,739.71	1,739.71	1,721.92	1,721.86	5.14	42.12	103.406	-252.96	1,061.27	1,091.00	1,043.73	47.26	23.083		
1,800.00	1,800.00	1,781.82	1,781.76	5.24	43.37	103.411	-253.05	1,061.27	1,091.02	1,042.40	48.62	22.442		
1,900.00	1,900.00	1,881.18	1,881.12	5.40	45.45	103.430	-253.41	1,061.27	1,091.10	1,040.25	50.85	21.455		
2,000.00	2,000.00	1,982.47	1,982.36	5.56	47.66	103.448	-253.76	1,061.27	1,091.19	1,037.97	53.22	20.504		
2,100.00	2,100.00	2,082.47	2,082.36	5.71	49.96	103.448	-253.76	1,061.27	1,091.19	1,035.51	55.68	19.599		
2,200.00	2,200.00	2,182.47	2,182.36	5.86	52.27	103.448	-253.76	1,061.27	1,091.19	1,033.05	58.13	18.771		
2,239.88	2,239.88	2,222.10	2,221.98	5.92	53.18	103.392	-252.68	1,061.27	1,090.93	1,031.83	59.11	18.457		
2,300.00	2,300.00	2,281.71	2,281.59	6.01	54.56	103.399	-252.80	1,061.27	1,090.96	1,030.39	60.57	18.012		
2,400.00	2,400.00	2,380.87	2,380.73	6.16	56.85	103.423	-253.28	1,061.27	1,091.07	1,028.07	63.00	17.318		
2,500.00	2,500.00	2,482.62	2,482.36	6.30	59.30	103.448	-253.76	1,061.27	1,091.19	1,025.58	65.60	16.634		
2,600.00	2,599.98	2,582.60	2,582.34	6.51	61.90	141.263	-253.76	1,061.27	1,092.55	1,024.16	68.38	15.977		
2,700.00	2,699.84	2,682.46	2,682.20	6.74	64.49	141.383	-253.76	1,061.27	1,096.63	1,025.47	71.16	15.410		
2,800.00	2,799.45	2,781.49	2,781.18	6.95	67.07	141.473	-251.58	1,061.27	1,102.94	1,029.02	73.91	14.923		
2,900.00	2,898.93	2,879.60	2,879.29	7.26	69.61	141.821	-252.06	1,061.27	1,111.11	1,034.36	76.75	14.477		
3,000.00	2,998.40	2,977.66	2,977.32	7.46	72.16	142.189	-253.04	1,061.27	1,119.46	1,039.99	79.47	14.086		
3,100.00	3,097.87	3,080.70	3,080.23	7.67	74.72	142.555	-253.76	1,061.27	1,127.78	1,045.57	82.21	13.718		
3,200.00	3,197.34	3,180.17	3,179.70	7.90	77.06	142.869	-253.76	1,061.27	1,135.95	1,051.20	84.75	13.404		
3,300.00	3,296.82	3,279.37	3,278.89	8.14	79.40	143.117	-252.52	1,061.27	1,143.83	1,056.54	87.29	13.104		
3,400.00	3,396.29	3,377.41	3,376.92	8.39	81.71	143.433	-252.83	1,061.27	1,152.15	1,062.34	89.81	12.828		
3,500.00	3,495.76	3,475.39	3,474.89	8.66	84.02	143.766	-253.60	1,061.27	1,160.63	1,068.29	92.34	12.569		
3,600.00	3,595.23	3,578.22	3,577.59	8.93	86.43	144.080	-253.76	1,061.27	1,168.98	1,073.99	94.99	12.307		
3,700.00	3,694.71	3,677.69	3,677.07	9.22	88.76	144.373	-253.76	1,061.27	1,177.32	1,079.76	97.56	12.068		
3,800.00	3,794.18	3,776.20	3,775.54	9.51	91.07	144.576	-251.99	1,061.27	1,185.16	1,085.05	100.11	11.839		
3,900.00	3,893.65	3,873.53	3,872.85	9.81	93.35	144.881	-252.57	1,061.27	1,193.73	1,091.08	102.64	11.630		
4,000.00	3,993.13	3,976.25	3,975.49	10.12	95.74	145.225	-253.76	1,061.27	1,202.50	1,097.20	105.30	11.420		
4,100.00	4,092.60	4,075.72	4,074.96	10.44	97.74	145.501	-253.76	1,061.27	1,210.95	1,103.39	107.57	11.258		
4,200.00	4,192.07	4,174.93	4,174.15	10.76	99.74	145.737	-252.95	1,061.27	1,219.18	1,109.35	109.83	11.100		
4,300.00	4,291.54	4,272.65	4,271.87	11.08	101.70	146.014	-253.24	1,061.27	1,227.78	1,115.70	112.08	10.955		
4,400.00	4,391.02	4,374.20	4,373.38	11.41	103.80	146.308	-253.76	1,061.27	1,236.47	1,122.01	114.46	10.803		
4,500.00	4,490.49	4,473.67	4,472.85	11.75	106.01	146.569	-253.76	1,061.27	1,245.03	1,128.07	116.96	10.645		
4,600.00	4,589.96	4,573.15	4,572.32	12.09	108.22	146.827	-253.76	1,061.27	1,253.62	1,134.16	119.46	10.494		
4,700.00	4,689.43	4,671.49	4,670.65	12.43	110.40	147.036	-252.79	1,061.27	1,261.91	1,139.96	121.94	10.348		

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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			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	
4,800.00	4,788.91	4,769.49	4,768.65	12.78	112.58	147.302	-253.22	1,061.27	1,270.68	1,146.26	124.42	10.213	
4,900.00	4,888.38	4,871.66	4,870.74	13.13	114.92	147.579	-253.76	1,061.27	1,279.52	1,152.44	127.08	10.069	
5,000.00	4,987.85	4,971.13	4,970.21	13.48	117.39	147.824	-253.76	1,061.27	1,288.20	1,158.35	129.86	9.920	
5,100.00	5,087.33	5,070.60	5,069.69	13.84	119.86	148.065	-253.76	1,061.27	1,296.91	1,164.27	132.64	9.778	
5,200.00	5,186.80	5,170.08	5,169.16	14.20	122.32	148.302	-253.76	1,061.27	1,305.64	1,170.21	135.43	9.641	
5,300.00	5,286.27	5,268.24	5,267.29	14.56	124.76	148.464	-252.05	1,061.27	1,313.77	1,175.59	138.18	9.508	
5,400.00	5,385.74	5,366.22	5,365.26	14.92	127.19	148.710	-252.48	1,061.27	1,322.70	1,181.76	140.94	9.385	
5,500.00	5,485.22	5,464.15	5,463.19	15.29	129.62	148.965	-253.22	1,061.27	1,331.76	1,188.07	143.69	9.268	
5,600.00	5,584.69	5,568.10	5,567.05	15.66	132.00	149.222	-253.76	1,061.27	1,340.76	1,194.35	146.41	9.157	
5,700.00	5,684.16	5,667.57	5,666.52	16.02	134.08	149.445	-253.76	1,061.27	1,349.60	1,200.77	148.82	9.068	
5,800.00	5,783.63	5,766.79	5,765.73	16.40	136.15	149.624	-252.74	1,061.27	1,358.07	1,206.84	151.23	8.980	
5,900.00	5,883.11	5,864.40	5,863.33	16.77	138.18	149.846	-252.97	1,061.27	1,367.02	1,213.42	153.60	8.900	
6,000.00	5,982.58	5,961.96	5,960.89	17.14	140.22	150.078	-253.55	1,061.27	1,376.14	1,220.16	155.98	8.823	
6,100.00	6,082.05	6,065.53	6,064.41	17.52	142.40	150.306	-253.76	1,061.27	1,385.13	1,226.61	158.51	8.738	
6,200.00	6,181.53	6,165.01	6,163.89	17.89	144.51	150.515	-253.76	1,061.27	1,394.06	1,233.09	160.97	8.660	
6,300.00	6,281.00	6,264.01	6,262.87	18.27	146.61	150.679	-252.68	1,061.27	1,402.58	1,239.17	163.41	8.583	
6,400.00	6,380.47	6,361.60	6,360.46	18.65	148.68	150.888	-252.93	1,061.27	1,411.64	1,245.81	165.83	8.513	
6,500.00	6,479.94	6,459.15	6,458.00	19.03	150.75	151.107	-253.51	1,061.27	1,420.86	1,252.61	168.25	8.445	
6,600.00	6,579.42	6,562.97	6,561.78	19.41	153.07	151.323	-253.76	1,061.27	1,429.95	1,259.02	170.93	8.366	
6,700.00	6,678.89	6,662.45	6,661.25	19.79	155.34	151.519	-253.76	1,061.27	1,438.97	1,265.41	173.56	8.291	
6,800.00	6,778.36	6,761.49	6,760.28	20.17	157.61	151.672	-252.68	1,061.27	1,447.56	1,271.38	176.18	8.216	
6,900.00	6,877.84	6,858.95	6,857.74	20.54	159.84	151.884	-252.92	1,061.27	1,456.63	1,277.88	178.75	8.149	
7,000.00	6,977.54	6,956.59	6,955.37	20.93	162.07	152.111	-253.49	1,061.27	1,463.73	1,282.38	181.35	8.072	
7,100.00	7,077.44	7,061.12	7,059.80	21.27	164.59	152.240	-253.76	1,061.27	1,467.62	1,283.45	184.17	7.969	
7,200.00	7,177.43	7,161.11	7,159.79	21.38	167.05	114.489	-253.76	1,061.27	1,468.43	1,281.69	186.74	7.863	
7,283.40	7,260.84	7,244.40	7,243.06	21.42	169.10	114.431	-252.13	1,061.27	1,467.76	1,278.92	188.83	7.773	
7,300.00	7,277.43	7,260.49	7,259.15	21.43	169.50	114.431	-252.14	1,061.27	1,467.76	1,278.52	189.24	7.756	
7,400.00	7,377.43	7,357.45	7,356.10	21.48	171.89	114.444	-252.48	1,061.27	1,467.91	1,276.23	191.68	7.658	
7,500.00	7,477.43	7,454.42	7,453.05	21.54	174.27	114.474	-253.32	1,061.27	1,468.27	1,274.14	194.13	7.563	
7,600.00	7,577.43	7,561.28	7,559.79	21.59	176.99	114.489	-253.76	1,061.27	1,468.43	1,271.52	196.91	7.457	
7,700.00	7,677.43	7,661.28	7,659.79	21.65	179.57	114.489	-253.76	1,061.27	1,468.43	1,268.89	199.55	7.359	
7,794.12	7,771.55	7,755.39	7,753.88	21.70	182.00	114.428	-252.04	1,061.27	1,467.72	1,265.69	202.02	7.265	
7,800.00	7,777.43	7,761.10	7,759.58	21.70	182.15	114.428	-252.04	1,061.27	1,467.72	1,265.54	202.17	7.260	
7,900.00	7,877.43	7,858.21	7,856.69	21.75	184.65	114.437	-252.30	1,061.27	1,467.83	1,263.09	204.74	7.169	
8,000.00	7,977.43	7,955.34	7,953.80	21.81	187.16	114.463	-253.03	1,061.27	1,468.14	1,260.84	207.30	7.082	
8,100.00	8,077.43	8,061.49	8,059.79	21.86	189.90	114.489	-253.76	1,061.27	1,468.43	1,258.33	210.10	6.989	
8,200.00	8,177.43	8,161.49	8,159.79	21.92	192.46	114.489	-253.76	1,061.27	1,468.43	1,255.70	212.73	6.903	
8,300.00	8,277.43	8,261.49	8,259.79	21.97	195.03	114.489	-253.76	1,061.27	1,468.43	1,253.08	215.36	6.819	
8,339.74	8,317.17	8,300.09	8,298.36	22.00	196.03	114.422	-251.89	1,061.27	1,467.66	1,251.29	216.37	6.783	
8,400.00	8,377.43	8,358.23	8,356.48	22.03	197.52	114.430	-252.10	1,061.27	1,467.75	1,249.86	217.89	6.736	
8,500.00	8,477.43	8,454.72	8,452.96	22.08	200.00	114.459	-252.91	1,061.27	1,468.10	1,247.67	220.43	6.660	
8,600.00	8,577.43	8,561.70	8,559.79	22.14	202.68	114.489	-253.76	1,061.27	1,468.43	1,245.25	223.19	6.579	
8,700.00	8,677.43	8,661.70	8,659.79	22.20	205.11	114.489	-253.76	1,061.27	1,468.43	1,242.76	225.67	6.507	
8,750.12	8,727.55	8,711.72	8,709.80	22.22	206.32	114.445	-252.52	1,061.27	1,467.92	1,241.01	226.91	6.469	
8,800.00	8,777.43	8,759.62	8,757.69	22.25	207.48	114.448	-252.60	1,061.27	1,467.96	1,239.86	228.10	6.436	
8,900.00	8,877.43	8,855.66	8,853.72	22.31	209.81	114.471	-253.25	1,061.27	1,468.23	1,237.75	230.48	6.370	
9,000.00	8,977.43	8,961.83	8,959.79	22.36	212.54	114.489	-253.76	1,061.27	1,468.43	1,235.15	233.28	6.295	
9,100.00	9,077.43	9,061.83	9,059.79	22.42	215.22	114.489	-253.76	1,061.27	1,468.43	1,232.42	236.01	6.222	
9,184.62	9,162.05	9,146.44	9,144.38	22.47	217.48	114.432	-252.15	1,061.27	1,467.77	1,229.45	238.32	6.159	
9,200.00	9,177.43	9,161.35	9,159.29	22.48	217.88	114.432	-252.16	1,061.27	1,467.77	1,229.04	238.73	6.148	
9,300.00	9,277.43	9,258.26	9,256.19	22.53	220.47	114.444	-252.48	1,061.27	1,467.91	1,226.53	241.38	6.081	
9,400.00	9,377.43	9,355.19	9,353.11	22.59	223.06	114.473	-253.31	1,061.27	1,468.26	1,224.23	244.03	6.017	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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						Rule Assigned:						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)					
9,500.00	9,477.43	9,462.06	9,459.79	22.65	225.96	114.489	-253.76	1,061.27	1,468.43	1,221.43	247.00	5.945			
9,600.00	9,577.43	9,562.06	9,559.79	22.70	228.71	114.489	-253.76	1,061.27	1,468.43	1,218.63	249.81	5.878			
9,700.00	9,677.21	9,661.84	9,659.57	22.62	231.44	24.927	-253.76	1,061.27	1,463.93	1,211.49	252.45	5.799			
9,800.00	9,774.71	9,759.33	9,757.07	22.45	234.12	26.161	-253.76	1,061.27	1,444.27	1,189.33	254.94	5.665			
9,900.00	9,866.95	9,849.65	9,847.31	22.28	236.60	28.406	-250.52	1,061.27	1,408.30	1,151.07	257.23	5.475			
10,000.00	9,951.15	9,931.65	9,929.30	22.13	238.85	32.243	-250.94	1,061.27	1,360.26	1,100.92	259.34	5.245			
10,100.00	10,024.73	10,003.33	10,000.96	22.05	240.81	38.053	-251.56	1,061.27	1,300.55	1,039.32	261.23	4.979			
10,200.00	10,085.48	10,062.51	10,060.12	22.07	242.44	46.478	-252.24	1,061.27	1,231.46	968.58	262.87	4.685			
10,300.00	10,131.54	10,107.38	10,104.97	22.26	243.67	57.959	-252.87	1,061.27	1,155.70	891.43	264.27	4.373			
10,400.00	10,161.50	10,136.57	10,134.16	22.65	244.47	71.866	-253.32	1,061.27	1,076.31	810.90	265.41	4.055			
10,500.00	10,174.47	10,149.20	10,146.78	23.24	244.82	85.909	-253.53	1,061.27	996.59	730.27	266.32	3.742			
10,600.00	10,175.00	10,149.71	10,147.29	24.01	244.83	89.058	-253.54	1,061.27	919.77	652.63	267.14	3.443			
10,700.00	10,175.00	10,149.71	10,147.29	24.94	244.83	89.058	-253.54	1,061.27	847.79	579.62	268.17	3.161			
10,800.00	10,175.00	10,149.70	10,147.28	26.01	244.83	89.057	-253.54	1,061.27	781.98	512.54	269.45	2.902			
10,900.00	10,175.00	10,149.70	10,147.28	27.21	244.83	89.057	-253.54	1,061.27	724.06	453.09	270.97	2.672			
11,000.00	10,175.00	10,149.69	10,147.27	28.51	244.83	89.056	-253.54	1,061.27	676.03	403.34	272.69	2.479			
11,100.00	10,175.00	10,149.69	10,147.27	29.91	244.83	89.056	-253.54	1,061.27	640.14	365.67	274.47	2.332			
11,200.00	10,175.00	10,149.68	10,147.27	31.39	244.83	89.056	-253.54	1,061.27	618.50	342.40	276.10	2.240			
11,286.20	10,175.00	10,149.68	10,147.26	32.73	244.83	89.055	-253.54	1,061.27	612.46	335.25	277.21	2.209 CC, ES			
11,300.00	10,175.00	10,149.68	10,147.26	32.94	244.83	89.055	-253.54	1,061.27	612.62	335.26	277.35	2.209 SF			
11,400.00	10,175.00	10,149.67	10,147.26	34.55	244.83	89.055	-253.54	1,061.27	622.94	344.88	278.07	2.240			
11,500.00	10,175.00	10,149.67	10,147.25	36.21	244.83	89.054	-253.54	1,061.27	648.71	370.48	278.23	2.332			
11,600.00	10,175.00	10,149.66	10,147.25	37.91	244.83	89.054	-253.54	1,061.27	688.17	410.23	277.94	2.476			
11,700.00	10,175.00	10,149.66	10,147.24	39.65	244.83	89.053	-253.54	1,061.27	739.15	461.79	277.36	2.665			
11,800.00	10,175.00	10,149.65	10,147.24	41.42	244.83	89.053	-253.54	1,061.27	799.44	522.81	276.62	2.890			
11,900.00	10,175.00	10,149.65	10,147.23	43.22	244.83	89.052	-253.54	1,061.27	867.10	591.25	275.84	3.143			
12,000.00	10,175.00	10,149.64	10,147.23	45.05	244.83	89.052	-253.54	1,061.27	940.54	665.46	275.09	3.419			
12,100.00	10,175.00	10,149.64	10,147.22	46.89	244.83	89.052	-253.54	1,061.27	1,018.52	744.14	274.38	3.712			
12,200.00	10,175.00	10,149.64	10,147.22	48.76	244.83	89.051	-253.54	1,061.27	1,100.06	826.32	273.74	4.019			
12,300.00	10,175.00	10,149.63	10,147.21	50.64	244.83	89.051	-253.54	1,061.27	1,184.44	911.27	273.17	4.336			
12,400.00	10,175.00	10,149.63	10,147.21	52.53	244.83	89.050	-253.54	1,061.27	1,271.09	998.41	272.67	4.662			
12,500.00	10,175.00	10,149.62	10,147.20	54.44	244.83	89.050	-253.54	1,061.27	1,359.57	1,087.34	272.23	4.994			
12,600.00	10,175.00	10,149.62	10,147.20	56.36	244.83	89.049	-253.54	1,061.27	1,449.54	1,177.70	271.84	5.332			
12,700.00	10,175.00	10,149.61	10,147.19	58.29	244.83	89.049	-253.54	1,061.27	1,540.76	1,269.26	271.50	5.675			
12,800.00	10,175.00	10,149.61	10,147.19	60.23	244.83	89.048	-253.54	1,061.27	1,633.00	1,361.80	271.21	6.021			
12,900.00	10,175.00	10,149.60	10,147.18	62.18	244.83	89.048	-253.54	1,061.27	1,726.11	1,455.16	270.95	6.371			
13,000.00	10,175.00	10,149.60	10,147.18	64.13	244.83	89.047	-253.54	1,061.27	1,819.95	1,549.23	270.72	6.723			
13,100.00	10,175.00	10,149.59	10,147.17	66.10	244.83	89.047	-253.54	1,061.27	1,914.41	1,643.89	270.52	7.077			
13,200.00	10,175.00	10,149.59	10,147.17	68.07	244.83	89.047	-253.54	1,061.27	2,009.41	1,739.06	270.35	7.433			

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)												Offset Site Error: 0.00 usft
Survey Program: 452-INC-ONLY												Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		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
18,400.00	10,175.00	10,177.29	10,175.36	173.76	243.41	90.000	-239.29	10,101.08	2,024.76	1,722.67	302.09	6.703
18,500.00	10,175.00	10,177.29	10,175.36	175.81	243.41	90.000	-239.29	10,101.08	1,929.88	1,624.73	305.15	6.324
18,600.00	10,175.00	10,177.29	10,175.36	177.87	243.41	90.000	-239.29	10,101.08	1,835.55	1,527.01	308.53	5.949
18,700.00	10,175.00	10,177.29	10,175.36	179.93	243.41	90.000	-239.29	10,101.08	1,741.85	1,429.57	312.28	5.578
18,800.00	10,175.00	10,177.29	10,175.36	181.98	243.41	90.000	-239.29	10,101.08	1,648.89	1,332.44	316.45	5.211
18,900.00	10,175.00	10,177.29	10,175.36	184.04	243.41	90.000	-239.29	10,101.08	1,556.80	1,235.70	321.10	4.848
19,000.00	10,175.00	10,177.29	10,175.36	186.10	243.41	90.000	-239.29	10,101.08	1,465.75	1,139.45	326.31	4.492
19,100.00	10,175.00	10,177.29	10,175.36	188.15	243.41	90.000	-239.29	10,101.08	1,375.94	1,043.79	332.15	4.143
19,200.00	10,175.00	10,177.29	10,175.36	190.21	243.41	90.000	-239.29	10,101.08	1,287.64	948.90	338.74	3.801
19,300.00	10,175.00	10,177.29	10,175.36	192.27	243.41	90.000	-239.29	10,101.08	1,201.17	855.00	346.17	3.470
19,400.00	10,175.00	10,177.29	10,175.36	194.33	243.41	90.000	-239.29	10,101.08	1,116.96	762.38	354.58	3.150
19,500.00	10,175.00	10,177.29	10,175.36	196.39	243.41	90.000	-239.29	10,101.08	1,035.57	671.50	364.07	2.844
19,600.00	10,175.00	10,177.29	10,175.36	198.45	243.41	90.000	-239.29	10,101.08	957.71	582.96	374.75	2.556
19,700.00	10,175.00	10,177.29	10,175.36	200.50	243.41	90.000	-239.29	10,101.08	884.31	497.66	386.65	2.287
19,800.00	10,175.00	10,177.29	10,175.36	202.56	243.41	90.000	-239.29	10,101.08	816.57	416.91	399.66	2.043
19,900.00	10,175.00	10,177.29	10,175.36	204.62	243.41	90.000	-239.29	10,101.08	756.04	342.57	413.46	1.829 Level 3
20,000.00	10,175.00	10,177.29	10,175.36	206.68	243.41	90.000	-239.29	10,101.08	704.55	277.20	427.35	1.649 Level 3
20,100.00	10,175.00	10,177.29	10,175.36	208.74	243.41	90.000	-239.29	10,101.08	664.22	224.08	440.14	1.509 Level 3
20,200.00	10,175.00	10,177.29	10,175.36	210.80	243.41	90.000	-239.29	10,101.08	637.16	186.91	450.25	1.415 Level 3
20,300.00	10,175.00	10,177.29	10,175.36	212.86	243.41	90.000	-239.29	10,101.08	625.12	169.00	456.12	1.371 Level 3
20,326.02	10,175.00	10,177.29	10,175.36	213.40	243.41	90.000	-239.29	10,101.08	624.58	167.77	456.81	1.367 Level 3, CC, ES, SF
20,400.00	10,175.00	10,177.29	10,175.36	214.92	243.41	90.000	-239.29	10,101.08	628.94	172.16	456.78	1.377 Level 3
20,500.00	10,175.00	10,177.29	10,175.36	216.98	243.41	90.000	-239.29	10,101.08	648.36	195.99	452.37	1.433 Level 3
20,600.00	10,175.00	10,177.29	10,175.36	219.05	243.41	90.000	-239.29	10,101.08	682.03	238.03	444.00	1.536 Level 3
20,700.00	10,175.00	10,177.29	10,175.36	221.11	243.41	90.000	-239.29	10,101.08	727.98	294.74	433.24	1.680 Level 3
20,800.00	10,175.00	10,177.29	10,175.36	223.17	243.41	90.000	-239.29	10,101.08	784.06	362.57	421.49	1.860 Level 3
20,900.00	10,175.00	10,177.29	10,175.36	225.23	243.41	90.000	-239.29	10,101.08	848.26	438.50	409.77	2.070
21,000.00	10,175.00	10,177.29	10,175.36	227.29	243.41	90.000	-239.29	10,101.08	918.88	520.23	398.66	2.305
21,100.00	10,175.00	10,177.29	10,175.36	229.35	243.41	90.000	-239.29	10,101.08	994.56	606.11	388.44	2.560
21,200.00	10,175.00	10,177.29	10,175.36	231.41	243.41	90.000	-239.29	10,101.08	1,074.22	695.00	379.22	2.833
21,300.00	10,175.00	10,177.29	10,175.36	233.48	243.41	90.000	-239.29	10,101.08	1,157.04	786.07	370.96	3.119
21,400.00	10,175.00	10,177.29	10,175.36	235.54	243.41	90.000	-239.29	10,101.08	1,242.39	878.78	363.61	3.417
21,500.00	10,175.00	10,177.29	10,175.36	237.60	243.41	90.000	-239.29	10,101.08	1,329.78	972.72	357.06	3.724
21,600.00	10,175.00	10,177.29	10,175.36	239.66	243.41	90.000	-239.29	10,101.08	1,418.85	1,067.61	351.24	4.040
21,700.00	10,175.00	10,177.29	10,175.36	241.73	243.41	90.000	-239.29	10,101.08	1,509.28	1,163.24	346.04	4.362
21,800.00	10,175.00	10,177.29	10,175.36	243.79	243.41	90.000	-239.29	10,101.08	1,600.85	1,259.46	341.39	4.689
21,900.00	10,175.00	10,177.29	10,175.36	245.85	243.41	90.000	-239.29	10,101.08	1,693.37	1,356.15	337.22	5.021
22,000.00	10,175.00	10,177.29	10,175.36	247.91	243.41	90.000	-239.29	10,101.08	1,786.70	1,453.22	333.48	5.358
22,100.00	10,175.00	10,177.29	10,175.36	249.98	243.41	90.000	-239.29	10,101.08	1,880.72	1,550.62	330.10	5.697
22,200.00	10,175.00	10,177.29	10,175.36	252.04	243.41	90.000	-239.29	10,101.08	1,975.32	1,648.28	327.04	6.040

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				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)	Minimum Separation (usft)	Separation Factor	
14,400.00	10,175.00	10,163.22	10,160.36	92.05	244.16	90.000	-1,566.41	4,830.20	2,042.87	1,710.84	332.03	6.153	
14,500.00	10,175.00	10,163.22	10,160.36	94.07	244.16	90.000	-1,566.41	4,830.20	2,013.22	1,678.09	335.13	6.007	
14,600.00	10,175.00	10,163.22	10,160.36	96.09	244.16	90.000	-1,566.41	4,830.20	1,988.16	1,650.04	338.13	5.880	
14,700.00	10,175.00	10,163.22	10,160.36	98.12	244.16	90.000	-1,566.41	4,830.20	1,967.88	1,626.90	340.98	5.771	
14,800.00	10,175.00	10,163.22	10,160.36	100.14	244.16	90.000	-1,566.41	4,830.20	1,952.51	1,608.85	343.65	5.682	
14,900.00	10,175.00	10,163.22	10,160.36	102.17	244.16	90.000	-1,566.41	4,830.20	1,942.17	1,596.05	346.12	5.611	
15,000.00	10,175.00	10,163.22	10,160.36	104.20	244.16	90.000	-1,566.41	4,830.20	1,936.95	1,588.60	348.35	5.560	
15,051.28	10,175.00	10,163.22	10,160.36	105.24	244.16	90.000	-1,566.41	4,830.20	1,936.27	1,586.88	349.39	5.542	CC
15,100.00	10,175.00	10,163.22	10,160.36	106.23	244.16	90.000	-1,566.41	4,830.20	1,936.88	1,586.57	350.32	5.529	ES
15,200.00	10,175.00	10,163.22	10,160.36	108.26	244.16	90.000	-1,566.41	4,830.20	1,941.97	1,589.96	352.02	5.517	SF
15,300.00	10,175.00	10,163.22	10,160.36	110.29	244.16	90.000	-1,566.41	4,830.20	1,952.18	1,598.75	353.43	5.524	
15,400.00	10,175.00	10,163.22	10,160.36	112.33	244.16	90.000	-1,566.41	4,830.20	1,967.42	1,612.87	354.56	5.549	
15,500.00	10,175.00	10,163.22	10,160.36	114.36	244.16	90.000	-1,566.41	4,830.20	1,987.59	1,632.19	355.40	5.593	
15,600.00	10,175.00	10,163.22	10,160.36	116.40	244.16	90.000	-1,566.41	4,830.20	2,012.52	1,656.55	355.97	5.654	
15,700.00	10,175.00	10,163.22	10,160.36	118.44	244.16	90.000	-1,566.41	4,830.20	2,042.06	1,685.77	356.29	5.731	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 218-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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	-107.967	-257.84	-795.10	835.86					
100.00	100.00	99.36	99.36	0.79	1.90	-107.967	-257.84	-795.10	835.86	833.18	2.69	311.049		
200.00	200.00	199.36	199.36	1.45	3.82	-107.967	-257.84	-795.10	835.86	830.60	5.26	158.863		
300.00	300.00	299.36	299.36	1.89	5.77	-107.967	-257.84	-795.10	835.86	828.20	7.67	109.036		
346.14	346.14	345.50	345.50	2.06	6.68	-107.958	-257.70	-795.10	835.82	827.08	8.74	95.615		
400.00	400.00	399.12	399.12	2.25	7.74	-107.960	-257.73	-795.10	835.83	825.84	9.99	83.648		
500.00	500.00	499.36	499.36	2.57	9.88	-107.967	-257.84	-795.10	835.86	823.41	12.45	67.124		
600.00	600.00	599.36	599.36	2.85	12.51	-107.967	-257.84	-795.10	835.86	820.51	15.36	54.427		
700.00	700.00	699.36	699.36	3.11	15.13	-107.967	-257.84	-795.10	835.86	817.62	18.24	45.828		
738.74	738.74	738.03	738.02	3.20	16.15	-107.951	-257.59	-795.10	835.79	816.44	19.35	43.201		
800.00	800.00	799.14	799.13	3.35	17.75	-107.953	-257.63	-795.10	835.80	814.70	21.10	39.617		
900.00	900.00	898.90	898.89	3.58	20.37	-107.962	-257.76	-795.10	835.84	811.90	23.94	34.914		
1,000.00	1,000.00	999.37	999.36	3.79	22.80	-107.967	-257.84	-795.10	835.86	809.27	26.59	31.437		
1,100.00	1,100.00	1,099.37	1,099.36	3.99	25.09	-107.967	-257.84	-795.10	835.86	806.78	29.09	28.736		
1,188.83	1,188.83	1,188.20	1,188.19	4.17	27.13	-107.932	-257.30	-795.10	835.70	804.40	31.30	26.700		
1,200.00	1,200.00	1,199.32	1,199.31	4.19	27.39	-107.932	-257.30	-795.10	835.70	804.12	31.58	26.465		
1,300.00	1,300.00	1,298.88	1,298.86	4.38	29.67	-107.939	-257.40	-795.10	835.73	801.68	34.05	24.544		
1,400.00	1,400.00	1,398.44	1,398.42	4.56	31.95	-107.957	-257.68	-795.10	835.81	799.30	36.52	22.888		
1,500.00	1,500.00	1,499.40	1,499.36	4.74	33.87	-107.967	-257.84	-795.10	835.86	797.25	38.61	21.649		
1,561.10	1,561.10	1,560.50	1,560.45	4.84	34.87	-107.941	-257.44	-795.10	835.74	796.02	39.72	21.042		
1,600.00	1,600.00	1,598.88	1,598.83	4.91	35.50	-107.944	-257.48	-795.10	835.75	795.34	40.41	20.680		
1,700.00	1,700.00	1,699.42	1,699.36	5.08	37.18	-107.967	-257.84	-795.10	835.86	793.61	42.26	19.781		
1,800.00	1,800.00	1,799.42	1,799.36	5.24	38.97	-107.967	-257.84	-795.10	835.86	791.65	44.21	18.905		
1,832.87	1,832.87	1,832.19	1,832.12	5.30	39.56	-107.937	-257.38	-795.10	835.72	790.87	44.85	18.632		
1,900.00	1,900.00	1,898.53	1,898.46	5.40	40.75	-107.946	-257.51	-795.10	835.76	789.61	46.15	18.109		
2,000.00	2,000.00	1,999.46	1,999.36	5.56	42.92	-107.967	-257.84	-795.10	835.86	787.38	48.48	17.241		
2,100.00	2,100.00	2,099.46	2,099.36	5.71	45.74	-107.967	-257.84	-795.10	835.86	784.41	51.45	16.246		
2,200.00	2,200.00	2,199.46	2,199.36	5.86	48.55	-107.967	-257.84	-795.10	835.86	781.45	54.42	15.361		
2,262.89	2,262.89	2,262.32	2,262.21	5.96	50.32	-107.884	-256.56	-795.10	835.47	779.19	56.28	14.845		
2,300.00	2,300.00	2,299.15	2,299.04	6.01	51.36	-107.885	-256.58	-795.10	835.48	778.10	57.37	14.563		
2,400.00	2,400.00	2,398.42	2,398.30	6.16	54.16	-107.902	-256.85	-795.10	835.56	775.25	60.31	13.854		
2,500.00	2,500.00	2,497.69	2,497.56	6.30	56.95	-107.939	-257.41	-795.10	835.73	772.48	63.25	13.213		
2,600.00	2,599.98	2,599.69	2,599.34	6.51	59.64	-70.316	-257.84	-795.10	835.27	769.19	66.09	12.639		
2,700.00	2,699.84	2,699.61	2,699.20	6.74	62.07	-70.687	-257.84	-795.10	833.52	764.87	68.65	12.141		
2,800.00	2,799.45	2,795.21	2,794.77	6.95	64.40	-71.264	-257.67	-795.10	830.63	759.52	71.11	11.681		
2,900.00	2,898.93	2,894.54	2,894.01	7.26	66.73	-71.938	-257.75	-795.10	827.41	753.71	73.71	11.226		
3,000.00	2,998.40	2,996.16	2,995.60	7.46	69.06	-72.615	-257.58	-795.10	824.21	748.04	76.17	10.821		
3,100.00	3,097.87	3,096.98	3,096.37	7.67	71.45	-73.291	-257.38	-795.10	821.12	742.42	78.70	10.434		
3,200.00	3,197.34	3,197.36	3,196.70	7.90	73.84	-74.011	-257.84	-795.10	818.39	737.17	81.21	10.077		
3,300.00	3,296.82	3,296.88	3,296.18	8.14	76.23	-74.700	-257.84	-795.10	815.61	731.87	83.74	9.740		
3,400.00	3,396.29	3,393.08	3,392.36	8.39	78.60	-75.358	-257.64	-795.10	812.88	726.64	86.23	9.426		
3,500.00	3,495.76	3,495.93	3,495.12	8.66	81.05	-76.092	-257.84	-795.10	810.41	721.59	88.82	9.124		
3,600.00	3,595.23	3,591.61	3,590.79	8.93	83.11	-76.761	-257.74	-795.10	807.96	716.95	91.01	8.878		
3,700.00	3,694.71	3,694.14	3,693.30	9.22	85.10	-77.476	-257.54	-795.10	805.57	712.45	93.12	8.651		
3,800.00	3,794.18	3,794.39	3,793.54	9.51	87.02	-78.211	-257.84	-795.10	803.53	708.36	95.17	8.443		
3,900.00	3,893.65	3,893.87	3,893.01	9.81	88.94	-78.925	-257.84	-795.10	801.49	704.27	97.22	8.244		
4,000.00	3,993.13	3,993.16	3,992.30	10.12	90.86	-79.595	-257.11	-795.10	799.24	699.97	99.26	8.052		
4,100.00	4,092.60	4,091.57	4,090.71	10.44	92.76	-80.320	-257.30	-795.10	797.53	696.24	101.29	7.874		
4,200.00	4,192.07	4,189.94	4,189.07	10.76	94.66	-81.066	-257.77	-795.10	796.09	692.78	103.31	7.706		
4,300.00	4,291.54	4,291.78	4,290.90	11.08	96.48	-81.814	-257.84	-795.10	794.59	689.34	105.25	7.550		
4,400.00	4,391.02	4,391.26	4,390.38	11.41	98.23	-82.544	-257.84	-795.10	793.19	686.07	107.12	7.405		
4,500.00	4,490.49	4,490.22	4,489.34	11.75	99.98	-83.244	-257.39	-795.10	791.68	682.70	108.99	7.264		

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-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	
4,600.00	4,589.96	4,588.89	4,588.01	12.09	101.72	-83.986	-257.61	-795.10	790.65	679.81	110.84	7.133	
4,700.00	4,689.43	4,689.68	4,688.79	12.43	103.45	-84.746	-257.84	-795.10	789.76	677.07	112.70	7.008	
4,800.00	4,788.91	4,789.16	4,788.27	12.78	105.10	-85.484	-257.84	-795.10	788.89	674.43	114.46	6.892	
4,900.00	4,888.38	4,887.95	4,887.06	13.13	106.73	-86.214	-257.77	-795.10	788.10	671.89	116.21	6.782	
5,000.00	4,987.85	4,988.11	4,987.21	13.48	108.57	-86.964	-257.84	-795.10	787.53	669.36	118.17	6.665	
5,100.00	5,087.33	5,087.58	5,086.69	13.84	110.51	-87.706	-257.84	-795.10	787.05	666.82	120.23	6.546	
5,200.00	5,186.80	5,186.39	5,185.50	14.20	112.44	-88.421	-257.46	-795.10	786.48	664.19	122.28	6.432	
5,274.06	5,260.47	5,259.29	5,258.39	14.47	113.87	-88.975	-257.63	-795.10	786.40	662.60	123.80	6.352	
5,300.00	5,286.27	5,284.82	5,283.91	14.56	114.37	-89.171	-257.71	-795.10	786.41	662.08	124.33	6.325	
5,400.00	5,385.74	5,386.03	5,385.10	14.92	116.49	-89.934	-257.84	-795.10	786.41	659.83	126.58	6.213	
5,408.86	5,394.55	5,394.85	5,393.91	14.96	116.69	-90.000	-257.84	-795.10	786.41	659.63	126.78	6.203	
5,500.00	5,485.22	5,485.51	5,484.58	15.29	118.65	-90.677	-257.84	-795.10	786.47	657.60	128.86	6.103	
5,560.83	5,545.72	5,546.01	5,545.07	15.51	119.96	-91.073	-256.84	-795.10	785.94	655.69	130.25	6.034 CC	
5,600.00	5,584.69	5,584.26	5,583.32	15.66	120.79	-91.360	-256.87	-795.10	786.04	654.91	131.13	5.994	
5,700.00	5,684.16	5,681.87	5,680.92	16.02	122.90	-92.108	-257.19	-795.10	786.57	653.19	133.37	5.897	
5,800.00	5,783.63	5,784.00	5,782.99	16.40	125.12	-92.905	-257.84	-795.10	787.43	651.71	135.72	5.802	
5,900.00	5,883.11	5,883.47	5,882.47	16.77	127.30	-93.646	-257.84	-795.10	788.02	649.98	138.04	5.709	
6,000.00	5,982.58	5,982.94	5,981.94	17.14	129.48	-94.385	-257.84	-795.10	788.74	648.38	140.36	5.619	
6,100.00	6,082.05	6,081.25	6,080.24	17.52	131.63	-95.062	-256.84	-795.10	788.92	646.26	142.66	5.530	
6,200.00	6,181.53	6,178.83	6,177.81	17.89	133.77	-95.805	-257.22	-795.10	790.16	645.22	144.94	5.452	
6,300.00	6,281.00	6,281.43	6,280.36	18.27	136.03	-96.594	-257.84	-795.10	791.70	644.33	147.37	5.372	
6,400.00	6,380.47	6,380.91	6,379.83	18.65	138.34	-97.327	-257.84	-795.10	792.95	643.12	149.84	5.292	
6,500.00	6,479.94	6,480.38	6,479.30	19.03	140.65	-98.056	-257.84	-795.10	794.33	642.02	152.31	5.215	
6,600.00	6,579.42	6,578.14	6,577.06	19.41	142.92	-98.727	-256.94	-795.10	795.19	640.44	154.75	5.139	
6,700.00	6,678.89	6,675.49	6,674.39	19.79	145.18	-99.459	-257.41	-795.10	797.17	639.99	157.18	5.072	
6,800.00	6,778.36	6,778.91	6,777.72	20.17	147.53	-100.230	-257.84	-795.10	799.25	639.52	159.73	5.004	
6,900.00	6,877.84	6,878.39	6,877.20	20.54	149.76	-100.950	-257.84	-795.10	801.13	639.01	162.12	4.942	
7,000.00	6,977.54	6,973.48	6,972.27	20.93	151.88	-101.472	-257.18	-795.10	802.16	637.74	164.42	4.879	
7,100.00	7,077.44	7,078.06	7,076.80	21.27	154.19	-101.838	-257.84	-795.10	803.51	636.63	166.88	4.815	
7,200.00	7,177.43	7,178.05	7,176.79	21.38	156.37	-101.880	-257.84	-795.10	803.70	634.58	169.12	4.752	
7,300.00	7,277.43	7,278.05	7,276.79	21.43	158.55	-101.880	-257.84	-795.10	803.70	632.31	171.39	4.689	
7,339.42	7,316.85	7,316.75	7,315.48	21.45	159.39	-101.880	-256.79	-795.10	802.89	630.63	172.27	4.661	
7,400.00	7,377.43	7,376.06	7,374.79	21.48	160.69	-101.880	-256.92	-795.10	803.00	629.39	173.61	4.625	
7,500.00	7,477.43	7,473.97	7,472.68	21.54	162.82	-101.880	-257.41	-795.10	803.38	627.55	175.83	4.569	
7,600.00	7,577.43	7,578.13	7,576.79	21.59	165.20	-101.880	-257.84	-795.10	803.70	625.38	178.31	4.507	
7,700.00	7,677.43	7,678.13	7,676.79	21.65	167.62	-101.880	-257.84	-795.10	803.70	622.88	180.82	4.445	
7,796.80	7,774.24	7,774.93	7,773.59	21.70	169.96	-101.880	-256.77	-795.10	802.88	619.64	183.24	4.382	
7,800.00	7,777.43	7,778.06	7,776.71	21.70	170.04	-101.880	-256.77	-795.10	802.88	619.56	183.32	4.380	
7,900.00	7,877.43	7,875.94	7,874.59	21.75	172.40	-101.880	-256.96	-795.10	803.03	617.25	185.77	4.323	
8,000.00	7,977.43	7,973.83	7,972.48	21.81	174.77	-101.880	-257.48	-795.10	803.43	615.21	188.23	4.268	
8,100.00	8,077.43	8,078.27	8,076.79	21.86	177.55	-101.880	-257.84	-795.10	803.70	612.60	191.10	4.206	
8,200.00	8,177.43	8,178.27	8,176.79	21.92	180.40	-101.880	-257.84	-795.10	803.70	609.66	194.04	4.142	
8,293.98	8,271.42	8,272.17	8,270.66	21.97	183.08	-101.880	-255.93	-795.10	802.24	605.45	196.79	4.077	
8,300.00	8,277.43	8,277.97	8,276.46	21.97	183.24	-101.880	-255.94	-795.10	802.25	605.28	196.96	4.073	
8,400.00	8,377.43	8,374.42	8,372.90	22.03	185.99	-101.880	-256.27	-795.10	802.51	602.71	199.80	4.017	
8,500.00	8,477.43	8,470.89	8,469.35	22.08	188.74	-101.880	-257.17	-795.10	803.22	600.59	202.63	3.964	
8,600.00	8,577.43	8,578.58	8,576.79	22.14	191.81	-101.880	-257.84	-795.10	803.70	597.89	205.81	3.905	
8,700.00	8,677.43	8,678.58	8,676.79	22.20	194.66	-101.880	-257.84	-795.10	803.70	594.95	208.75	3.850	
8,776.29	8,753.72	8,754.87	8,753.03	22.24	196.84	-101.880	-255.54	-795.10	801.94	590.96	210.98	3.801	
8,800.00	8,777.43	8,777.44	8,775.60	22.25	197.48	-101.880	-255.56	-795.10	801.96	590.31	211.65	3.789	
8,900.00	8,877.43	8,872.67	8,870.81	22.31	200.20	-101.880	-256.12	-795.10	802.41	587.96	214.44	3.742	
9,000.00	8,977.43	8,967.94	8,966.04	22.36	202.92	-101.880	-257.43	-795.10	803.46	586.22	217.24	3.698	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		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	
9,071.33	9,048.76	9,049.81	9,047.73	22.40	205.10	-139.660	-257.40	-795.10	803.36	583.86	219.51	3.660	
9,100.00	9,077.43	9,074.49	9,072.40	22.42	205.74	-139.664	-257.50	-795.10	803.45	583.28	220.17	3.649	
9,200.00	9,177.43	9,178.92	9,176.79	22.48	208.45	-139.680	-257.84	-795.10	803.70	580.72	222.98	3.604	
9,300.00	9,277.43	9,278.92	9,276.79	22.53	211.05	-139.680	-257.84	-795.10	803.70	578.04	225.66	3.561	
9,362.25	9,339.68	9,341.12	9,338.97	22.57	212.67	-139.597	-256.05	-795.10	802.33	575.00	227.33	3.529	
9,400.00	9,377.43	9,377.45	9,375.28	22.59	213.62	-139.599	-256.09	-795.10	802.37	574.06	228.30	3.514	
9,500.00	9,477.43	9,473.68	9,471.51	22.65	216.12	-139.624	-256.63	-795.10	802.79	571.90	230.89	3.477	
9,600.00	9,577.43	9,579.11	9,576.79	22.70	218.84	-139.680	-257.84	-795.10	803.70	569.99	233.71	3.439 ES	
9,700.00	9,677.21	9,678.89	9,676.57	22.62	221.00	130.509	-257.84	-795.10	806.92	571.00	235.93	3.420 SF	
9,800.00	9,774.71	9,776.38	9,774.07	22.45	223.10	130.549	-257.84	-795.10	821.24	583.14	238.10	3.449	
9,900.00	9,866.95	9,867.29	9,864.94	22.28	225.07	130.442	-256.25	-795.10	846.14	606.05	240.09	3.524	
10,000.00	9,951.15	9,948.90	9,946.55	22.13	226.83	129.644	-256.61	-795.10	884.49	642.62	241.88	3.657	
10,100.00	10,024.73	10,020.25	10,017.88	22.05	228.38	127.784	-257.20	-795.10	934.95	691.49	243.46	3.840	
10,200.00	10,085.48	10,087.24	10,084.84	22.07	229.82	124.655	-257.84	-795.10	996.70	751.71	244.99	4.068	
10,300.00	10,131.54	10,133.30	10,130.90	22.26	230.80	118.699	-257.84	-795.10	1,068.08	821.98	246.10	4.340	
10,400.00	10,161.50	10,163.26	10,160.86	22.65	231.44	108.923	-257.84	-795.10	1,147.50	900.60	246.90	4.648	
10,500.00	10,174.47	10,176.23	10,173.83	23.24	231.72	94.299	-257.84	-795.10	1,232.44	985.08	247.37	4.982	
10,600.00	10,175.00	10,176.76	10,174.36	24.01	231.73	90.000	-257.84	-795.10	1,320.20	1,072.63	247.57	5.333	
10,700.00	10,175.00	10,176.76	10,174.36	24.94	231.73	90.000	-257.84	-795.10	1,409.60	1,161.81	247.79	5.689	
10,800.00	10,175.00	10,176.76	10,174.36	26.01	231.73	90.000	-257.84	-795.10	1,500.33	1,252.33	248.00	6.050	
10,900.00	10,175.00	10,176.76	10,174.36	27.21	231.73	90.000	-257.84	-795.10	1,592.18	1,343.96	248.22	6.414	
11,000.00	10,175.00	10,176.76	10,174.36	28.51	231.73	90.000	-257.84	-795.10	1,684.95	1,436.53	248.43	6.782	
11,100.00	10,175.00	10,176.76	10,174.36	29.91	231.73	90.000	-257.84	-795.10	1,778.51	1,529.88	248.63	7.153	
11,200.00	10,175.00	10,176.76	10,174.36	31.39	231.73	90.000	-257.84	-795.10	1,872.74	1,623.91	248.82	7.526	
11,300.00	10,175.00	10,176.76	10,174.36	32.94	231.73	90.000	-257.84	-795.10	1,967.53	1,718.52	249.01	7.901	
11,400.00	10,175.00	10,176.76	10,174.36	34.55	231.73	90.000	-257.84	-795.10	2,062.82	1,813.63	249.18	8.278	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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				Rule Assigned:								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	
11,500.00	10,175.00	9,921.30	9,785.14	36.21	28.85	77.278	-1,317.86	2,403.34	2,057.77	2,007.98	49.79	41.333	
11,600.00	10,175.00	9,932.29	9,795.52	37.91	28.89	77.615	-1,317.85	2,406.95	2,004.75	1,952.82	51.93	38.608	
11,700.00	10,175.00	9,950.00	9,812.09	39.65	28.95	78.156	-1,317.83	2,413.19	1,955.23	1,900.98	54.26	36.037	
11,800.00	10,175.00	9,950.00	9,812.09	41.42	28.95	78.156	-1,317.83	2,413.19	1,909.43	1,852.75	56.68	33.687	
11,900.00	10,175.00	9,974.17	9,834.39	43.22	29.03	78.886	-1,317.80	2,422.52	1,867.49	1,808.16	59.33	31.475	
12,000.00	10,175.00	10,000.00	9,857.75	45.05	29.12	79.655	-1,317.77	2,433.52	1,829.77	1,767.68	62.10	29.467	
12,100.00	10,175.00	10,000.00	9,857.75	46.89	29.12	79.655	-1,317.77	2,433.52	1,796.39	1,731.52	64.86	27.695	
12,200.00	10,175.00	10,036.55	9,889.92	48.76	29.25	80.719	-1,317.72	2,450.87	1,767.29	1,699.48	67.82	26.059	
12,300.00	10,175.00	10,064.40	9,913.65	50.64	29.35	81.509	-1,317.67	2,465.44	1,742.81	1,672.04	70.77	24.627	
12,400.00	10,175.00	10,100.00	9,942.90	52.53	29.48	82.487	-1,317.61	2,485.71	1,722.84	1,649.10	73.74	23.365	
12,500.00	10,175.00	10,135.95	9,971.11	54.44	29.61	83.434	-1,317.55	2,507.99	1,707.25	1,630.57	76.68	22.265	
12,600.00	10,175.00	10,182.17	10,005.22	56.36	29.78	84.584	-1,317.45	2,539.16	1,695.81	1,616.21	79.59	21.306	
12,700.00	10,175.00	10,237.35	10,042.50	58.29	29.98	85.846	-1,317.33	2,579.82	1,688.10	1,605.63	82.47	20.469	
12,748.07	10,175.00	10,267.53	10,061.18	59.22	30.09	86.480	-1,317.26	2,603.51	1,685.56	1,601.71	83.84	20.104	
12,800.00	10,175.00	10,300.00	10,079.86	60.23	30.21	87.115	-1,317.18	2,630.07	1,683.54	1,598.24	85.30	19.736	
12,845.02	10,175.00	10,336.32	10,098.93	61.11	30.35	87.764	-1,317.09	2,660.97	1,682.31	1,595.72	86.59	19.428	
12,900.00	10,175.00	10,380.21	10,119.30	62.18	30.51	88.458	-1,316.97	2,699.84	1,681.35	1,593.20	88.15	19.073	
12,943.85	10,175.00	10,417.70	10,134.31	63.04	30.65	88.969	-1,316.87	2,734.18	1,680.92	1,591.52	89.40	18.802	
13,000.00	10,175.00	10,468.67	10,151.05	64.13	30.84	89.540	-1,316.73	2,782.31	1,680.66	1,589.65	91.01	18.467	
13,043.97	10,175.00	10,510.62	10,161.57	65.00	31.01	89.898	-1,316.61	2,822.91	1,680.60	1,588.32	92.28	18.212	
13,100.00	10,175.00	10,566.04	10,170.86	66.10	31.23	90.215	-1,316.45	2,877.52	1,680.61	1,586.70	93.91	17.896	
13,100.44	10,175.00	10,566.48	10,170.92	66.11	31.24	90.217	-1,316.44	2,877.96	1,680.61	1,586.68	93.92	17.894	
13,200.00	10,175.00	10,666.97	10,175.00	68.07	31.69	90.356	-1,316.14	2,978.28	1,680.62	1,583.78	96.84	17.355	
13,221.40	10,175.00	10,688.36	10,175.00	68.49	31.79	90.356	-1,316.08	2,999.68	1,680.62	1,583.15	97.47	17.242	
13,300.00	10,175.00	10,766.97	10,175.00	70.04	32.25	90.356	-1,315.85	3,078.28	1,680.61	1,580.75	99.86	16.829	
13,321.40	10,175.00	10,788.36	10,175.00	70.47	32.39	90.356	-1,315.78	3,099.68	1,680.61	1,580.09	100.52	16.719	
13,400.00	10,175.00	10,866.97	10,175.00	72.03	32.96	90.356	-1,315.55	3,178.28	1,680.61	1,577.62	102.99	16.318	
13,421.40	10,175.00	10,888.36	10,175.00	72.45	33.12	90.356	-1,315.48	3,199.68	1,680.61	1,576.94	103.67	16.211	
13,500.00	10,175.00	10,966.97	10,175.00	74.01	33.81	90.356	-1,315.25	3,278.28	1,680.60	1,574.39	106.22	15.822	
13,521.40	10,175.00	10,988.36	10,175.00	74.44	34.00	90.356	-1,315.19	3,299.68	1,680.60	1,573.69	106.92	15.719	
13,600.00	10,175.00	11,066.97	10,175.00	76.00	34.79	90.356	-1,314.95	3,378.28	1,680.60	1,571.07	109.53	15.344	
13,621.40	10,175.00	11,088.36	10,175.00	76.43	35.02	90.356	-1,314.89	3,399.68	1,680.60	1,570.35	110.25	15.244	
13,700.00	10,175.00	11,166.97	10,175.00	78.00	35.91	90.356	-1,314.65	3,478.28	1,680.59	1,567.67	112.92	14.883	
13,721.40	10,175.00	11,188.36	10,175.00	78.42	36.16	90.356	-1,314.59	3,499.68	1,680.59	1,566.94	113.65	14.787	
13,800.00	10,175.00	11,266.97	10,175.00	80.00	37.15	90.356	-1,314.36	3,578.28	1,680.59	1,564.21	116.38	14.441	
13,821.40	10,175.00	11,288.36	10,175.00	80.42	37.42	90.356	-1,314.29	3,599.68	1,680.58	1,563.46	117.12	14.349	
13,900.00	10,175.00	11,366.97	10,175.00	82.00	38.49	90.356	-1,314.06	3,678.28	1,680.58	1,560.69	119.89	14.017	
13,921.40	10,175.00	11,388.36	10,175.00	82.43	38.78	90.356	-1,313.99	3,699.68	1,680.58	1,559.93	120.65	13.929	
14,000.00	10,175.00	11,466.97	10,175.00	84.00	39.91	90.356	-1,313.76	3,778.28	1,680.57	1,557.11	123.47	13.612	
14,021.40	10,175.00	11,488.36	10,175.00	84.43	40.22	90.356	-1,313.69	3,799.67	1,680.57	1,556.34	124.23	13.527	
14,100.00	10,175.00	11,566.97	10,175.00	86.01	41.41	90.356	-1,313.46	3,878.28	1,680.57	1,553.48	127.09	13.224	
14,121.40	10,175.00	11,588.36	10,175.00	86.44	41.74	90.356	-1,313.40	3,899.67	1,680.57	1,552.70	127.86	13.143	
14,200.00	10,175.00	11,666.97	10,175.00	88.02	42.98	90.356	-1,313.16	3,978.28	1,680.56	1,549.82	130.75	12.854	
14,221.40	10,175.00	11,688.36	10,175.00	88.45	43.32	90.356	-1,313.10	3,999.67	1,680.56	1,549.03	131.53	12.777	
14,300.00	10,175.00	11,766.97	10,175.00	90.04	44.59	90.356	-1,312.86	4,078.27	1,680.56	1,546.11	134.45	12.500	
14,321.40	10,175.00	11,788.36	10,175.00	90.47	44.94	90.356	-1,312.80	4,099.67	1,680.56	1,545.31	135.24	12.426	
14,400.00	10,175.00	11,866.97	10,175.00	92.05	46.26	90.356	-1,312.57	4,178.27	1,680.55	1,542.37	138.18	12.162	
14,421.40	10,175.00	11,888.36	10,175.00	92.49	46.62	90.356	-1,312.50	4,199.67	1,680.55	1,541.57	138.98	12.092	
14,500.00	10,175.00	11,966.97	10,175.00	94.07	47.96	90.356	-1,312.27	4,278.27	1,680.55	1,538.60	141.94	11.839	
14,521.40	10,175.00	11,988.36	10,175.00	94.51	48.33	90.356	-1,312.20	4,299.67	1,680.54	1,537.79	142.75	11.772	
14,600.00	10,175.00	12,066.97	10,175.00	96.09	49.69	90.356	-1,311.97	4,378.27	1,680.54	1,534.80	145.74	11.531	
14,621.40	10,175.00	12,088.36	10,175.00	96.53	50.07	90.356	-1,311.91	4,399.67	1,680.54	1,533.99	146.55	11.467	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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		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	
14,700.00	10,175.00	12,166.97	10,175.00	98.12	51.46	90.356	-1,311.67	4,478.27	1,680.53	1,530.98	149.55	11.237	
14,721.40	10,175.00	12,188.36	10,175.00	98.55	51.84	90.356	-1,311.61	4,499.67	1,680.53	1,530.16	150.37	11.176	
14,800.00	10,175.00	12,266.97	10,175.00	100.14	53.25	90.356	-1,311.37	4,578.27	1,680.53	1,527.14	153.39	10.956	
14,821.40	10,175.00	12,288.36	10,175.00	100.58	53.64	90.356	-1,311.31	4,599.67	1,680.53	1,526.32	154.21	10.898	
14,900.00	10,175.00	12,366.97	10,175.00	102.17	55.06	90.356	-1,311.07	4,678.27	1,680.52	1,523.28	157.25	10.687	
14,921.40	10,175.00	12,388.36	10,175.00	102.60	55.45	90.356	-1,311.01	4,699.67	1,680.52	1,522.45	158.07	10.631	
15,000.00	10,175.00	12,466.97	10,175.00	104.20	56.90	90.356	-1,310.78	4,778.27	1,680.52	1,519.40	161.12	10.430	
15,021.40	10,175.00	12,488.36	10,175.00	104.63	57.29	90.356	-1,310.71	4,799.67	1,680.52	1,518.56	161.95	10.377	
15,100.00	10,175.00	12,566.97	10,175.00	106.23	58.75	90.356	-1,310.48	4,878.27	1,680.51	1,515.50	165.01	10.184	
15,121.40	10,175.00	12,588.36	10,175.00	106.66	59.15	90.356	-1,310.41	4,899.67	1,680.51	1,514.66	165.85	10.133	
15,200.00	10,175.00	12,666.97	10,175.00	108.26	60.62	90.356	-1,310.18	4,978.27	1,680.51	1,511.58	168.92	9.948	
15,221.40	10,175.00	12,688.36	10,175.00	108.70	61.02	90.356	-1,310.12	4,999.67	1,680.50	1,510.75	169.76	9.899	
15,300.00	10,175.00	12,766.97	10,175.00	110.29	62.50	90.356	-1,309.88	5,078.27	1,680.50	1,507.66	172.84	9.723	
15,321.40	10,175.00	12,788.36	10,175.00	110.73	62.90	90.356	-1,309.82	5,099.67	1,680.50	1,506.82	173.68	9.676	
15,400.00	10,175.00	12,866.97	10,175.00	112.33	64.39	90.356	-1,309.58	5,178.27	1,680.49	1,503.72	176.78	9.506	
15,421.40	10,175.00	12,888.36	10,175.00	112.76	64.80	90.356	-1,309.52	5,199.67	1,680.49	1,502.87	177.62	9.461	
15,500.00	10,175.00	12,966.97	10,175.00	114.36	66.29	90.356	-1,309.29	5,278.27	1,680.49	1,499.77	180.72	9.299	
15,521.40	10,175.00	12,988.36	10,175.00	114.80	66.70	90.356	-1,309.22	5,299.67	1,680.49	1,498.92	181.57	9.256	
15,600.00	10,175.00	13,066.97	10,175.00	116.40	68.21	90.356	-1,308.99	5,378.27	1,680.48	1,495.81	184.68	9.100	
15,621.40	10,175.00	13,088.36	10,175.00	116.84	68.62	90.356	-1,308.92	5,399.67	1,680.48	1,494.96	185.52	9.058	
15,700.00	10,175.00	13,166.97	10,175.00	118.44	70.13	90.356	-1,308.69	5,478.27	1,680.48	1,491.84	188.64	8.908	
15,721.40	10,175.00	13,188.36	10,175.00	118.88	70.55	90.356	-1,308.63	5,499.67	1,680.48	1,490.99	189.49	8.868	
15,800.00	10,175.00	13,266.97	10,175.00	120.48	72.07	90.356	-1,308.39	5,578.27	1,680.47	1,487.86	192.62	8.724	
15,821.40	10,175.00	13,288.36	10,175.00	120.92	72.48	90.356	-1,308.33	5,599.67	1,680.47	1,487.00	193.47	8.686	
15,900.00	10,175.00	13,366.97	10,175.00	122.52	74.01	90.356	-1,308.09	5,678.27	1,680.47	1,483.87	196.60	8.548	
15,921.40	10,175.00	13,388.36	10,175.00	122.96	74.42	90.356	-1,308.03	5,699.67	1,680.46	1,483.01	197.45	8.511	
16,000.00	10,175.00	13,466.97	10,175.00	124.56	75.95	90.356	-1,307.79	5,778.27	1,680.46	1,479.87	200.59	8.378	
16,021.40	10,175.00	13,488.36	10,175.00	125.00	76.37	90.356	-1,307.73	5,799.67	1,680.46	1,479.02	201.44	8.342	
16,100.00	10,175.00	13,566.97	10,175.00	126.60	77.91	90.356	-1,307.50	5,878.27	1,680.45	1,475.87	204.59	8.214	
16,121.40	10,175.00	13,588.36	10,175.00	127.04	78.33	90.356	-1,307.43	5,899.67	1,680.45	1,475.01	205.44	8.180	
16,200.00	10,175.00	13,666.97	10,175.00	128.65	79.87	90.356	-1,307.20	5,978.27	1,680.45	1,471.86	208.59	8.056	
16,221.40	10,175.00	13,688.36	10,175.00	129.08	80.29	90.356	-1,307.13	5,999.66	1,680.45	1,471.00	209.45	8.023	
16,300.00	10,175.00	13,766.97	10,175.00	130.69	81.84	90.356	-1,306.90	6,078.27	1,680.44	1,467.84	212.60	7.904	
16,321.40	10,175.00	13,788.36	10,175.00	131.13	82.26	90.356	-1,306.84	6,099.66	1,680.44	1,466.98	213.46	7.872	
16,400.00	10,175.00	13,866.97	10,175.00	132.74	83.81	90.356	-1,306.60	6,178.27	1,680.44	1,463.82	216.62	7.758	
16,421.40	10,175.00	13,888.36	10,175.00	133.17	84.23	90.356	-1,306.54	6,199.66	1,680.44	1,462.96	217.48	7.727	
16,500.00	10,175.00	13,966.97	10,175.00	134.78	85.78	90.356	-1,306.30	6,278.27	1,680.43	1,459.79	220.64	7.616	
16,521.40	10,175.00	13,988.36	10,175.00	135.22	86.21	90.356	-1,306.24	6,299.66	1,680.43	1,458.93	221.50	7.587	
16,600.00	10,175.00	14,066.97	10,175.00	136.83	87.76	90.356	-1,306.00	6,378.26	1,680.43	1,455.76	224.67	7.480	
16,621.40	10,175.00	14,088.36	10,175.00	137.27	88.19	90.356	-1,305.94	6,399.66	1,680.43	1,454.90	225.53	7.451	
16,700.00	10,175.00	14,166.97	10,175.00	138.87	89.75	90.356	-1,305.71	6,478.26	1,680.42	1,451.72	228.70	7.348	
16,721.40	10,175.00	14,188.36	10,175.00	139.31	90.17	90.356	-1,305.64	6,499.66	1,680.42	1,450.86	229.56	7.320	
16,800.00	10,175.00	14,266.97	10,175.00	140.92	91.73	90.356	-1,305.41	6,578.26	1,680.41	1,447.68	232.73	7.220	
16,821.40	10,175.00	14,288.36	10,175.00	141.36	92.16	90.356	-1,305.34	6,599.66	1,680.41	1,446.82	233.60	7.194	
16,900.00	10,175.00	14,366.97	10,175.00	142.97	93.73	90.356	-1,305.11	6,678.26	1,680.41	1,443.64	236.77	7.097	
16,921.40	10,175.00	14,388.36	10,175.00	143.41	94.15	90.356	-1,305.05	6,699.66	1,680.41	1,442.77	237.64	7.071	
17,000.00	10,175.00	14,466.97	10,175.00	145.02	95.72	90.356	-1,304.81	6,778.26	1,680.40	1,439.59	240.82	6.978	
17,021.40	10,175.00	14,488.36	10,175.00	145.46	96.15	90.356	-1,304.75	6,799.66	1,680.40	1,438.72	241.68	6.953	
17,100.00	10,175.00	14,566.97	10,175.00	147.07	97.72	90.356	-1,304.51	6,878.26	1,680.40	1,435.53	244.86	6.863	
17,121.40	10,175.00	14,588.36	10,175.00	147.51	98.15	90.356	-1,304.45	6,899.66	1,680.40	1,434.67	245.73	6.838	
17,200.00	10,175.00	14,666.97	10,175.00	149.12	99.72	90.356	-1,304.22	6,978.26	1,680.39	1,431.48	248.91	6.751	
17,221.40	10,175.00	14,688.36	10,175.00	149.56	100.15	90.356	-1,304.15	6,999.66	1,680.39	1,430.61	249.78	6.727	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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)			
17,300.00	10,175.00	14,766.97	10,175.00	151.17	101.73	90.356	-1,303.92	7,078.26	1,680.39	1,427.42	252.97	6.643	
17,321.40	10,175.00	14,788.36	10,175.00	151.61	102.15	90.356	-1,303.85	7,099.66	1,680.39	1,426.55	253.84	6.620	
17,400.00	10,175.00	14,866.97	10,175.00	153.22	103.73	90.356	-1,303.62	7,178.26	1,680.38	1,423.35	257.03	6.538	
17,421.40	10,175.00	14,888.36	10,175.00	153.66	104.16	90.356	-1,303.56	7,199.66	1,680.38	1,422.48	257.90	6.516	
17,500.00	10,175.00	14,966.97	10,175.00	155.27	105.74	90.356	-1,303.32	7,278.26	1,680.37	1,419.29	261.09	6.436	
17,521.40	10,175.00	14,988.36	10,175.00	155.71	106.17	90.356	-1,303.26	7,299.66	1,680.37	1,418.42	261.96	6.415	
17,600.00	10,175.00	15,066.97	10,175.00	157.32	107.75	90.356	-1,303.02	7,378.26	1,680.37	1,415.22	265.15	6.337	
17,621.40	10,175.00	15,088.36	10,175.00	157.76	108.18	90.356	-1,302.96	7,399.66	1,680.37	1,414.35	266.02	6.317	
17,700.00	10,175.00	15,166.97	10,175.00	159.38	109.77	90.356	-1,302.72	7,478.26	1,680.36	1,411.15	269.22	6.242	
17,721.40	10,175.00	15,188.36	10,175.00	159.82	110.20	90.356	-1,302.66	7,499.66	1,680.36	1,410.28	270.09	6.222	
17,800.00	10,175.00	15,266.97	10,175.00	161.43	111.78	90.356	-1,302.43	7,578.26	1,680.36	1,407.07	273.28	6.149	
17,821.40	10,175.00	15,288.36	10,175.00	161.87	112.21	90.356	-1,302.36	7,599.66	1,680.36	1,406.20	274.16	6.129	
17,900.00	10,175.00	15,366.97	10,175.00	163.48	113.80	90.356	-1,302.13	7,678.26	1,680.35	1,403.00	277.36	6.058	
17,921.40	10,175.00	15,388.36	10,175.00	163.92	114.23	90.356	-1,302.06	7,699.66	1,680.35	1,402.12	278.23	6.039	
18,000.00	10,175.00	15,466.97	10,175.00	165.54	115.82	90.356	-1,301.83	7,778.26	1,680.35	1,398.92	281.43	5.971	
18,021.40	10,175.00	15,488.36	10,175.00	165.98	116.25	90.356	-1,301.77	7,799.66	1,680.35	1,398.04	282.30	5.952	
18,100.00	10,175.00	15,566.97	10,175.00	167.59	117.84	90.356	-1,301.53	7,878.26	1,680.34	1,394.84	285.50	5.886	
18,121.40	10,175.00	15,588.36	10,175.00	168.03	118.27	90.356	-1,301.47	7,899.66	1,680.34	1,393.96	286.38	5.868	
18,200.00	10,175.00	15,666.97	10,175.00	169.65	119.86	90.356	-1,301.23	7,978.26	1,680.33	1,390.75	289.58	5.803	
18,221.40	10,175.00	15,688.36	10,175.00	170.09	120.30	90.356	-1,301.17	7,999.66	1,680.33	1,389.88	290.45	5.785	
18,300.00	10,175.00	15,766.97	10,175.00	171.70	121.89	90.356	-1,300.94	8,078.26	1,680.33	1,386.67	293.66	5.722	
18,321.40	10,175.00	15,788.36	10,175.00	172.14	122.32	90.356	-1,300.87	8,099.66	1,680.33	1,385.79	294.53	5.705	
18,400.00	10,175.00	15,866.97	10,175.00	173.76	123.91	90.356	-1,300.64	8,178.26	1,680.32	1,382.58	297.74	5.644	
18,421.40	10,175.00	15,888.36	10,175.00	174.20	124.35	90.356	-1,300.57	8,199.66	1,680.32	1,381.71	298.61	5.627	
18,500.00	10,175.00	15,966.97	10,175.00	175.81	125.94	90.356	-1,300.34	8,278.26	1,680.32	1,378.49	301.82	5.567	
18,521.40	10,175.00	15,988.36	10,175.00	176.25	126.38	90.356	-1,300.27	8,299.66	1,680.32	1,377.62	302.70	5.551	
18,600.00	10,175.00	16,066.97	10,175.00	177.87	127.97	90.356	-1,300.04	8,378.26	1,680.31	1,374.40	305.91	5.493	
18,621.40	10,175.00	16,088.36	10,175.00	178.31	128.40	90.356	-1,299.98	8,399.66	1,680.31	1,373.53	306.78	5.477	
18,700.00	10,175.00	16,166.97	10,175.00	179.93	130.00	90.356	-1,299.74	8,478.26	1,680.31	1,370.31	309.99	5.420	
18,721.40	10,175.00	16,188.36	10,175.00	180.37	130.43	90.356	-1,299.68	8,499.66	1,680.31	1,369.44	310.87	5.405	
18,800.00	10,175.00	16,266.97	10,175.00	181.98	132.03	90.356	-1,299.44	8,578.25	1,680.30	1,366.22	314.08	5.350	
18,821.40	10,175.00	16,288.36	10,175.00	182.42	132.47	90.356	-1,299.38	8,599.65	1,680.30	1,365.34	314.96	5.335	
18,900.00	10,175.00	16,366.97	10,175.00	184.04	134.06	90.356	-1,299.15	8,678.25	1,680.29	1,362.12	318.17	5.281	
18,921.40	10,175.00	16,388.36	10,175.00	184.48	134.50	90.356	-1,299.08	8,699.65	1,680.29	1,361.25	319.05	5.267	
19,000.00	10,175.00	16,466.97	10,175.00	186.10	136.10	90.356	-1,298.85	8,778.25	1,680.29	1,358.03	322.26	5.214	
19,021.40	10,175.00	16,488.36	10,175.00	186.54	136.53	90.356	-1,298.78	8,799.65	1,680.29	1,357.15	323.14	5.200	
19,100.00	10,175.00	16,566.97	10,175.00	188.15	138.13	90.356	-1,298.55	8,878.25	1,680.28	1,353.93	326.35	5.149	
19,121.40	10,175.00	16,588.36	10,175.00	188.59	138.57	90.356	-1,298.49	8,899.65	1,680.28	1,353.05	327.23	5.135	
19,200.00	10,175.00	16,666.97	10,175.00	190.21	140.17	90.356	-1,298.25	8,978.25	1,680.28	1,349.83	330.45	5.085	
19,221.40	10,175.00	16,688.36	10,175.00	190.65	140.60	90.356	-1,298.19	8,999.65	1,680.28	1,348.95	331.32	5.071	
19,300.00	10,175.00	16,766.97	10,175.00	192.27	142.20	90.356	-1,297.95	9,078.25	1,680.27	1,345.73	334.54	5.023	
19,321.40	10,175.00	16,788.36	10,175.00	192.71	142.64	90.356	-1,297.89	9,099.65	1,680.27	1,344.85	335.42	5.009	
19,400.00	10,175.00	16,866.97	10,175.00	194.33	144.24	90.356	-1,297.65	9,178.25	1,680.27	1,341.63	338.64	4.962	
19,421.40	10,175.00	16,888.36	10,175.00	194.77	144.68	90.356	-1,297.59	9,199.65	1,680.27	1,340.75	339.51	4.949	
19,500.00	10,175.00	16,966.97	10,175.00	196.39	146.28	90.356	-1,297.36	9,278.25	1,680.26	1,337.53	342.73	4.903	
19,521.40	10,175.00	16,988.36	10,175.00	196.83	146.72	90.356	-1,297.29	9,299.65	1,680.26	1,336.65	343.61	4.890	
19,600.00	10,175.00	17,066.97	10,175.00	198.45	148.32	90.356	-1,297.06	9,378.25	1,680.26	1,333.42	346.83	4.845	
19,621.40	10,175.00	17,088.36	10,175.00	198.89	148.76	90.356	-1,296.99	9,399.65	1,680.25	1,332.54	347.71	4.832	
19,700.00	10,175.00	17,166.97	10,175.00	200.50	150.36	90.356	-1,296.76	9,478.25	1,680.25	1,329.32	350.93	4.788	
19,721.40	10,175.00	17,188.36	10,175.00	200.95	150.80	90.356	-1,296.70	9,499.65	1,680.25	1,328.44	351.81	4.776	
19,800.00	10,175.00	17,266.97	10,175.00	202.56	152.40	90.356	-1,296.46	9,578.25	1,680.24	1,325.21	355.03	4.733	
19,821.40	10,175.00	17,288.36	10,175.00	203.00	152.84	90.356	-1,296.40	9,599.65	1,680.24	1,324.33	355.91	4.721	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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		Separation Factor	Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset		+N/-S	+E/-W	Between Centres	Between Ellipses			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
19,900.00	10,175.00	17,366.97	10,175.00	204.62	154.44	90.356	-1,296.16	9,678.25	1,680.24	1,321.11	359.13	4.679	
19,921.40	10,175.00	17,388.36	10,175.00	205.06	154.88	90.356	-1,296.10	9,699.65	1,680.24	1,320.23	360.01	4.667	
20,000.00	10,175.00	17,466.97	10,175.00	206.68	156.49	90.356	-1,295.87	9,778.25	1,680.23	1,317.00	363.23	4.626	
20,021.40	10,175.00	17,488.36	10,175.00	207.12	156.92	90.356	-1,295.80	9,799.65	1,680.23	1,316.12	364.11	4.615	
20,100.00	10,175.00	17,566.97	10,175.00	208.74	158.53	90.356	-1,295.57	9,878.25	1,680.23	1,312.89	367.34	4.574	
20,121.40	10,175.00	17,588.36	10,175.00	209.18	158.97	90.356	-1,295.50	9,899.65	1,680.23	1,312.01	368.22	4.563	
20,200.00	10,175.00	17,666.97	10,175.00	210.80	160.57	90.356	-1,295.27	9,978.25	1,680.22	1,308.78	371.44	4.524	
20,221.40	10,175.00	17,688.36	10,175.00	211.24	161.01	90.356	-1,295.21	9,999.65	1,680.22	1,307.90	372.32	4.513	
20,300.00	10,175.00	17,766.97	10,175.00	212.86	162.62	90.356	-1,294.97	10,078.25	1,680.22	1,304.67	375.55	4.474	
20,321.40	10,175.00	17,788.36	10,175.00	213.30	163.05	90.356	-1,294.91	10,099.65	1,680.21	1,303.79	376.42	4.464	
20,400.00	10,175.00	17,866.97	10,175.00	214.92	164.66	90.356	-1,294.67	10,178.25	1,680.21	1,300.56	379.65	4.426	
20,421.40	10,175.00	17,888.36	10,175.00	215.37	165.10	90.356	-1,294.61	10,199.65	1,680.21	1,299.68	380.53	4.415	
20,500.00	10,175.00	17,966.97	10,175.00	216.98	166.71	90.356	-1,294.37	10,278.25	1,680.20	1,296.45	383.76	4.378	
20,521.40	10,175.00	17,988.36	10,175.00	217.43	167.15	90.356	-1,294.31	10,299.65	1,680.20	1,295.57	384.64	4.368	
20,600.00	10,175.00	18,066.97	10,175.00	219.05	168.75	90.356	-1,294.08	10,378.25	1,680.20	1,292.33	387.87	4.332	
20,621.40	10,175.00	18,088.36	10,175.00	219.49	169.19	90.356	-1,294.01	10,399.65	1,680.20	1,291.45	388.74	4.322	
20,700.00	10,175.00	18,166.97	10,175.00	221.11	170.80	90.356	-1,293.78	10,478.25	1,680.19	1,288.22	391.97	4.287	
20,721.40	10,175.00	18,188.36	10,175.00	221.55	171.24	90.356	-1,293.71	10,499.65	1,680.19	1,287.34	392.85	4.277	
20,800.00	10,175.00	18,266.97	10,175.00	223.17	172.85	90.356	-1,293.48	10,578.25	1,680.19	1,284.11	396.08	4.242	
20,821.40	10,175.00	18,288.36	10,175.00	223.61	173.29	90.356	-1,293.42	10,599.64	1,680.19	1,283.22	396.96	4.233	
20,900.00	10,175.00	18,366.97	10,175.00	225.23	174.90	90.356	-1,293.18	10,678.25	1,680.18	1,279.99	400.19	4.198	
20,921.40	10,175.00	18,388.36	10,175.00	225.67	175.34	90.356	-1,293.12	10,699.64	1,680.18	1,279.11	401.07	4.189	
21,000.00	10,175.00	18,466.97	10,175.00	227.29	176.95	90.356	-1,292.88	10,778.25	1,680.18	1,275.87	404.30	4.156	
21,021.40	10,175.00	18,488.36	10,175.00	227.73	177.38	90.356	-1,292.82	10,799.64	1,680.17	1,274.99	405.18	4.147	
21,100.00	10,175.00	18,566.97	10,175.00	229.35	178.99	90.356	-1,292.58	10,878.24	1,680.17	1,271.76	408.41	4.114	
21,121.40	10,175.00	18,588.36	10,175.00	229.79	179.43	90.356	-1,292.52	10,899.64	1,680.17	1,270.88	409.29	4.105	
21,200.00	10,175.00	18,666.97	10,175.00	231.41	181.04	90.356	-1,292.29	10,978.24	1,680.16	1,267.64	412.52	4.073	
21,221.40	10,175.00	18,688.36	10,175.00	231.86	181.48	90.356	-1,292.22	10,999.64	1,680.16	1,266.76	413.40	4.064	
21,300.00	10,175.00	18,766.97	10,175.00	233.48	183.09	90.356	-1,291.99	11,078.24	1,680.16	1,263.52	416.63	4.033	
21,321.40	10,175.00	18,788.36	10,175.00	233.92	183.53	90.356	-1,291.92	11,099.64	1,680.16	1,262.64	417.51	4.024	
21,400.00	10,175.00	18,866.97	10,175.00	235.54	185.14	90.356	-1,291.69	11,178.24	1,680.15	1,259.41	420.75	3.993	
21,421.40	10,175.00	18,888.36	10,175.00	235.98	185.58	90.356	-1,291.63	11,199.64	1,680.15	1,258.53	421.63	3.985	
21,500.00	10,175.00	18,966.97	10,175.00	237.60	187.19	90.356	-1,291.39	11,278.24	1,680.15	1,255.29	424.86	3.955	
21,521.40	10,175.00	18,988.36	10,175.00	238.04	187.63	90.356	-1,291.33	11,299.64	1,680.15	1,254.41	425.74	3.946	
21,600.00	10,175.00	19,066.97	10,175.00	239.66	189.25	90.356	-1,291.09	11,378.24	1,680.14	1,251.17	428.97	3.917	
21,621.40	10,175.00	19,088.36	10,175.00	240.10	189.68	90.356	-1,291.03	11,399.64	1,680.14	1,250.29	429.85	3.909	
21,700.00	10,175.00	19,166.97	10,175.00	241.73	191.30	90.356	-1,290.80	11,478.24	1,680.14	1,247.05	433.09	3.879	
21,721.40	10,175.00	19,188.36	10,175.00	242.17	191.74	90.356	-1,290.73	11,499.64	1,680.13	1,246.17	433.97	3.872	
21,800.00	10,175.00	19,266.97	10,175.00	243.79	193.35	90.356	-1,290.50	11,578.24	1,680.13	1,242.93	437.20	3.843	
21,821.40	10,175.00	19,288.36	10,175.00	244.23	193.79	90.356	-1,290.43	11,599.64	1,680.13	1,242.05	438.08	3.835	
21,900.00	10,175.00	19,366.97	10,175.00	245.85	195.40	90.356	-1,290.20	11,678.24	1,680.12	1,238.81	441.32	3.807	
21,921.40	10,175.00	19,388.36	10,175.00	246.29	195.84	90.356	-1,290.14	11,699.64	1,680.12	1,237.93	442.20	3.799	
22,000.00	10,175.00	19,466.97	10,175.00	247.91	197.45	90.356	-1,289.90	11,778.24	1,680.12	1,234.69	445.43	3.772	
22,021.40	10,175.00	19,488.36	10,175.00	248.36	197.89	90.356	-1,289.84	11,799.64	1,680.12	1,233.80	446.31	3.764	
22,100.00	10,175.00	19,566.97	10,175.00	249.98	199.51	90.356	-1,289.60	11,878.24	1,680.11	1,230.57	449.55	3.737	
22,121.40	10,175.00	19,588.36	10,175.00	250.42	199.95	90.356	-1,289.54	11,899.64	1,680.11	1,229.68	450.43	3.730	
22,200.00	10,175.00	19,666.97	10,175.00	252.04	201.56	90.356	-1,289.30	11,978.24	1,680.11	1,226.44	453.66	3.703	
22,221.40	10,175.00	19,688.36	10,175.00	252.48	202.00	90.356	-1,289.24	11,999.64	1,680.11	1,225.56	454.54	3.696	
22,300.00	10,175.00	19,766.97	10,175.00	254.10	203.61	90.356	-1,289.01	12,078.24	1,680.10	1,222.32	457.78	3.670	
22,321.40	10,175.00	19,788.36	10,175.00	254.54	204.05	90.356	-1,288.94	12,099.64	1,680.10	1,221.44	458.66	3.663	
22,400.00	10,175.00	19,866.97	10,175.00	256.17	205.67	90.356	-1,288.71	12,178.24	1,680.10	1,218.20	461.90	3.637	
22,421.40	10,175.00	19,888.36	10,175.00	256.61	206.11	90.356	-1,288.64	12,199.64	1,680.09	1,217.32	462.78	3.630	

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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	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)			
22,500.00	10,175.00	19,966.97	10,175.00	258.23	207.72	90.356	-1,288.41	12,278.24	1,680.09	1,214.07	466.02	3.605	
22,521.40	10,175.00	19,988.36	10,175.00	258.67	208.16	90.356	-1,288.35	12,299.64	1,680.09	1,213.19	466.90	3.598	
22,600.00	10,175.00	20,066.97	10,175.00	260.29	209.78	90.356	-1,288.11	12,378.24	1,680.08	1,209.95	470.13	3.574	
22,621.40	10,175.00	20,088.36	10,175.00	260.73	210.22	90.356	-1,288.05	12,399.64	1,680.08	1,209.07	471.01	3.567	
22,700.00	10,175.00	20,166.97	10,175.00	262.36	211.83	90.356	-1,287.81	12,478.24	1,680.08	1,205.83	474.25	3.543	
22,721.40	10,175.00	20,188.36	10,175.00	262.80	212.27	90.356	-1,287.75	12,499.64	1,680.08	1,204.94	475.13	3.536	
22,800.00	10,175.00	20,266.97	10,175.00	264.42	213.89	90.356	-1,287.52	12,578.24	1,680.07	1,201.70	478.37	3.512	
22,821.40	10,175.00	20,288.36	10,175.00	264.86	214.33	90.356	-1,287.45	12,599.64	1,680.07	1,200.82	479.25	3.506	
22,900.00	10,175.00	20,366.97	10,175.00	266.48	215.94	90.356	-1,287.22	12,678.24	1,680.07	1,197.58	482.49	3.482	
22,921.40	10,175.00	20,388.36	10,175.00	266.93	216.38	90.356	-1,287.15	12,699.64	1,680.07	1,196.69	483.37	3.476	
23,000.00	10,175.00	20,466.97	10,175.00	268.55	218.00	90.356	-1,286.92	12,778.24	1,680.06	1,193.45	486.61	3.453	
23,021.40	10,175.00	20,488.36	10,175.00	268.99	218.44	90.356	-1,286.85	12,799.63	1,680.06	1,192.57	487.49	3.446	
23,100.00	10,175.00	20,566.97	10,175.00	270.61	220.05	90.356	-1,286.62	12,878.24	1,680.06	1,189.33	490.73	3.424	
23,121.40	10,175.00	20,588.36	10,175.00	271.05	220.49	90.356	-1,286.56	12,899.63	1,680.05	1,188.44	491.61	3.417	
23,200.00	10,175.00	20,666.97	10,175.00	272.68	222.11	90.356	-1,286.32	12,978.24	1,680.05	1,185.20	494.85	3.395	
23,221.40	10,175.00	20,688.36	10,175.00	273.12	222.55	90.356	-1,286.26	12,999.63	1,680.05	1,184.32	495.73	3.389	
23,300.00	10,175.00	20,766.97	10,175.00	274.74	224.17	90.356	-1,286.02	13,078.23	1,680.04	1,181.07	498.97	3.367	
23,321.40	10,175.00	20,788.36	10,175.00	275.18	224.61	90.356	-1,285.96	13,099.63	1,680.04	1,180.19	499.85	3.361	
23,400.00	10,175.00	20,866.97	10,175.00	276.80	226.22	90.356	-1,285.73	13,178.23	1,680.04	1,176.95	503.09	3.339	
23,421.40	10,175.00	20,888.36	10,175.00	277.25	226.66	90.356	-1,285.66	13,199.63	1,680.04	1,176.06	503.97	3.334	
23,500.00	10,175.00	20,966.97	10,175.00	278.87	228.28	90.356	-1,285.43	13,278.23	1,680.03	1,172.82	507.21	3.312	
23,515.75	10,175.00	20,982.71	10,175.00	279.19	228.61	90.356	-1,285.38	13,293.98	1,680.03	1,172.17	507.86	3.308	
23,573.59	10,175.00	21,040.55	10,175.00	280.39	229.79	90.356	-1,285.21	13,351.82	1,680.03	1,169.78	510.25	3.293 CC, ES, SF	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3724.64usft

Offset Depths are relative to Offset Datum

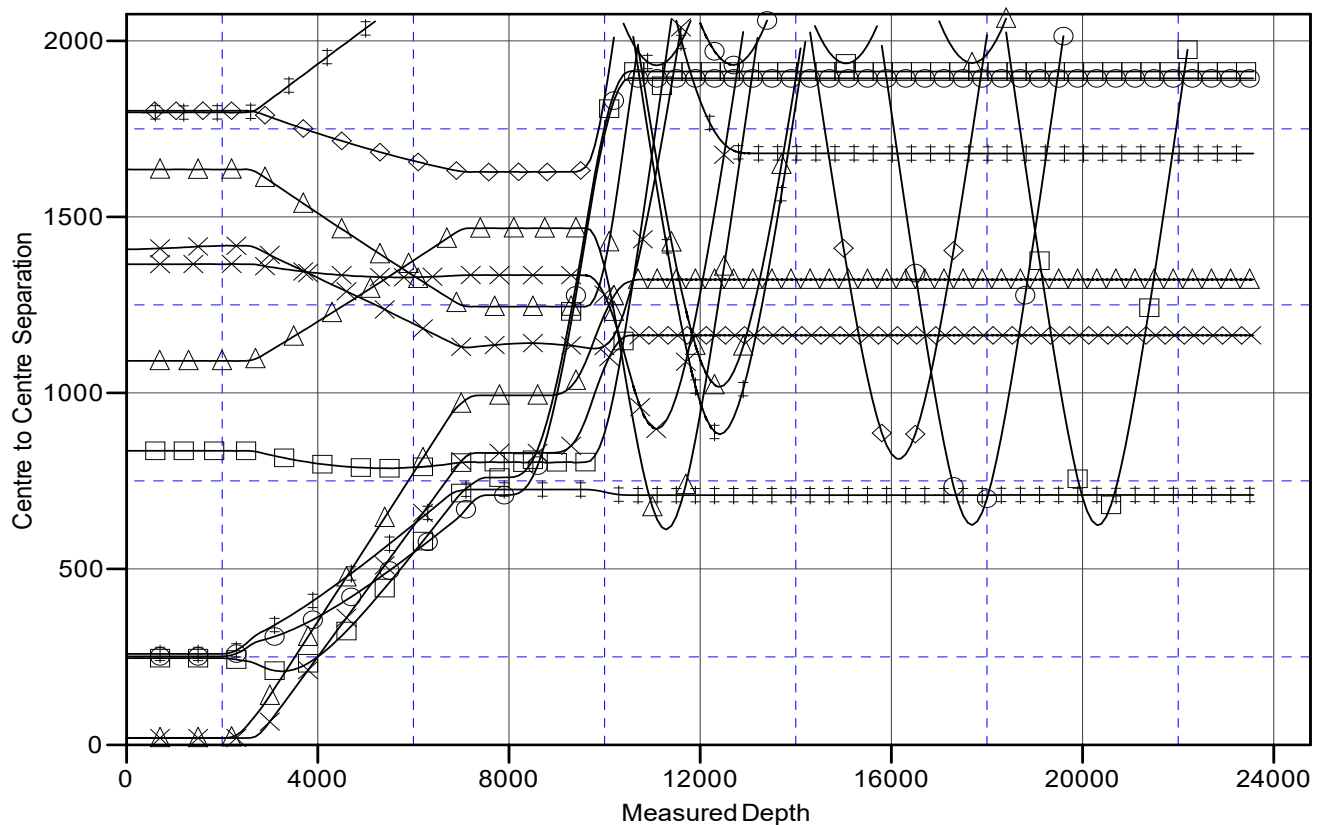
Central Meridian is -104.33333334

Coordinates are relative to: (02) Bond 32-34 FED COM 301H

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

Grid Convergence at Surface is: 0.294°

Ladder Plot



LEGEND

(01) Bond 32-34 FED COM 209H, 209H, Plan 2 V0	(W17) MAX STATE 001, 26754, (IncOnly) V0	(W11) HULKSTER 004, 39571, (IncOnly) V0
(03) Bond 32-34 FED COM 201H, 201H, Plan 2 V0	(W16) LEAR STATE SVD 003, 26703, (IncOnly) V0	(W02) LEAR STATE 01H, 38865, (GyroMWD) V0
(03) Bond 32-34 FED COM #103H, #103H, Plan 1 V0	(W21) VANDIVER FEDERAL 001, 26352, (IncOnly) V0	(W18) MCKAY WEST FEDERAL 001, 24931, (IncOnly) V0
(01) Bond 32-34 FED COM #303H, #303H, Plan 1 V0	(W12) HULKSTER 005, 39572, (IncOnly) V0	(W05) GULF FEDERAL 002, 26310, (IncOnly) V0
(02) Bond 32-34 FED COM #101H, #101H, Plan 1 V0	(W10) HULKSTER 003, 39570, (IncOnly) V0	(W09) HULKSTER 002, 38844, (IncOnly) V0
(W22) WATKINS 32 STATE 001, 31735, (IncOnly) V0	(W08) HULKSTER 001, 38446, (IncOnly) V0	(W06) GULF FEDERAL COM 001, 25637, (IncOnly) V0
(W14) KEEL A FEDERAL 003, 33340, (IncOnly) V0	(W01) IN LUSK 32 STATE 001, 35747, (Gyro) V0	(02) Bond 32-34 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 32-34 FED COM 301H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3724.64usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3724.64usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	301H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3724.64usft

Offset Depths are relative to Offset Datum

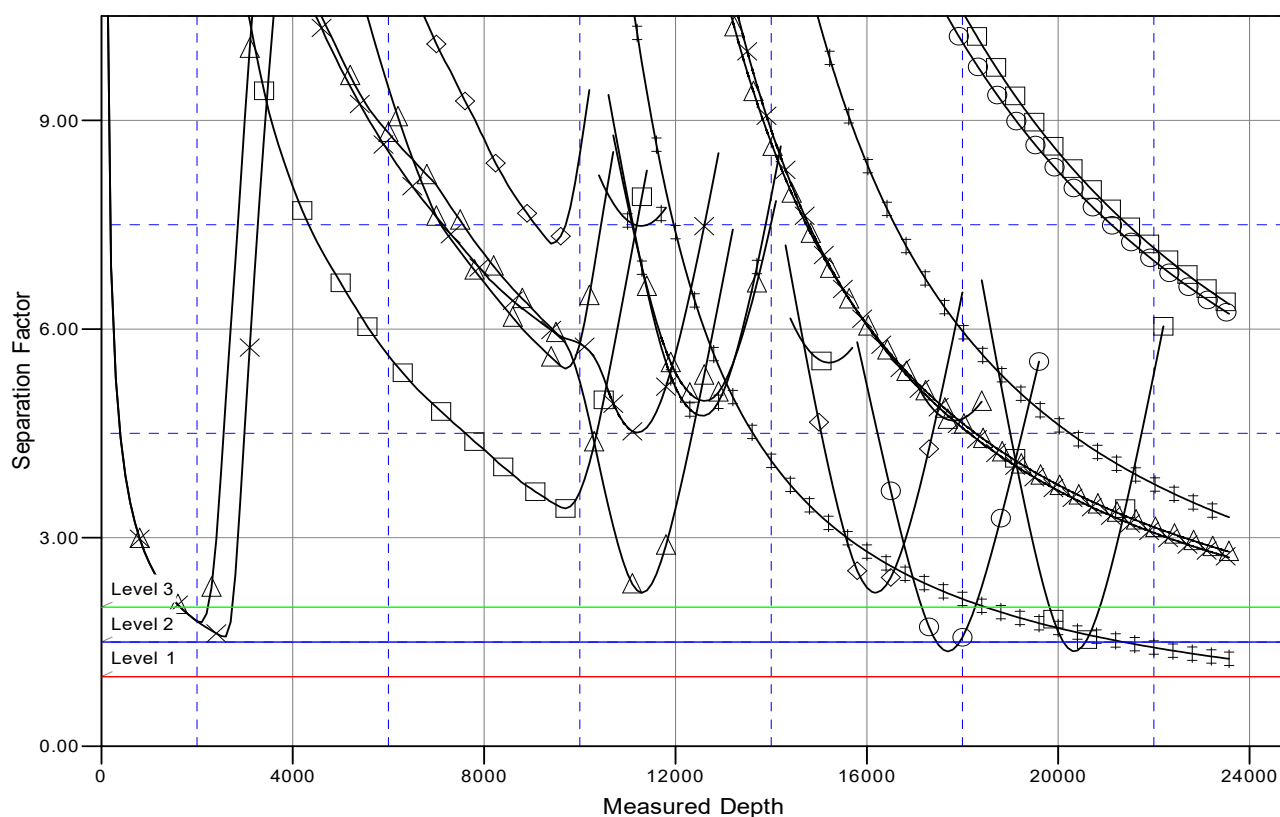
Central Meridian is -104.33333334

Coordinates are relative to: (02) Bond 32-34 FED COM 301H

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

Grid Convergence at Surface is: 0.294°

Separation Factor Plot



LEGEND

(01) Bond 32-34 FED COM 209H, 209H, Plan 2 V0
 (03) Bond 32-34 FED COM 201H, 201H, Plan 2 V0
 (03) Bond 32-34 FED COM #103H, #103H, Plan 1 V0
 (01) Bond 32-34 FED COM #303H, #303H, Plan 1 V0
 (02) Bond 32-34 FED COM #101H, #101H, Plan 1 V0
 (W22) WATKINS 32 STATE 001, 31735, (Inc Only) V0
 (W14) KEEL A FEDERAL 003, 33340, (Inc Only) V0

(W17) MAX STATE 001, 26754, (Inc Only) V0
 (W16) LEAR STATE SWD 003, 26703, (Inc Only) V0
 (W21) VANDIVER FEDERAL 001, 26352, (Inc Only) V0
 (W12) HULKSTER 005, 39572, (Inc Only) V0
 (W10) HULKSTER 003, 39570, (Inc Only) V0
 (W08) HULKSTER 001, 38446, (Inc Only) V0
 (W01) LUSK 32 STATE 001, 35747, (Gyro) V0

(W11) HULKSTER 004, 39571, (Inc Only) V0
 (W02) LEAR STATE 001H, 38865, (Gyro/MMD) V0
 (W18) MCKAY WEST FEDERAL 001, 24931, (Inc Only) V0
 (W05) GULF FEDERAL 002, 26310, (Inc Only) V0
 (W09) HULKSTER 002, 38844, (Inc Only) V0
 (W06) GULF FEDERAL COM 001, 25637, (Inc Only) V0
 (02) Bond 32-34 FED COM #304H, #304H, Plan 1 V0

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



PBEX

**Lea County, NM (N83 - NME)
Bond North Pad - Phase 1
(02) Bond 32-34 FED COM 301H**

301H

Plan: Plan 2

Standard Planning Report

03 December, 2025

DIXON



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3724.64usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3724.64usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	301H		
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 North Pad - Phase 1				
Site Position:		Northing:	621,199.62 usft	Latitude:	32.70653820
From:	Map	Easting:	708,751.47 usft	Longitude:	-103.78905586
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	(02) Bond 32-34 FED COM 301H					
Well Position	+N/-S	0.00 usft	Northing:	621,199.63 usft	Latitude:	32.70653851
	+E/-W	0.00 usft	Easting:	708,731.47 usft	Longitude:	-103.78912088
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,694.14 usft
Grid Convergence:	0.294 °					

Wellbore	301H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/3/2025	6.351	60.144	47,228.19504725

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	12/3/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	23,573.59 Plan 2 (301H)	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	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,794.32	5.89	322.23	2,793.80	11.94	-9.25	2.00	2.00	0.00	322.225	
6,878.25	5.89	322.23	6,856.20	342.99	-265.81	0.00	0.00	0.00	0.000	
7,172.57	0.00	89.83	7,150.00	354.93	-275.07	2.00	-2.00	0.00	180.000	
9,624.61	0.00	89.83	9,602.04	354.93	-275.07	0.00	0.00	0.00	0.000	
10,524.61	90.00	89.83	10,175.00	356.61	297.89	10.00	10.00	0.00	0.000	FTP - v1 - (02) Bond
23,573.59	90.00	89.83	10,175.00	394.78	13,346.81	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 32-34 FED COM 301H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3724.64usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3724.64usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	301H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,600.00	2.00	322.23	2,599.98	1.38	-1.07	-1.06	2.00	2.00	0.00
2,700.00	4.00	322.23	2,699.84	5.52	-4.27	-4.26	2.00	2.00	0.00
2,794.32	5.89	322.23	2,793.80	11.94	-9.25	-9.22	2.00	2.00	0.00
Start 4083.93 hold at 2794.32 MD									
2,800.00	5.89	322.23	2,799.45	12.40	-9.61	-9.57	0.00	0.00	0.00
2,900.00	5.89	322.23	2,898.93	20.51	-15.89	-15.83	0.00	0.00	0.00
3,000.00	5.89	322.23	2,998.40	28.61	-22.17	-22.09	0.00	0.00	0.00
3,100.00	5.89	322.23	3,097.87	36.72	-28.46	-28.35	0.00	0.00	0.00
3,200.00	5.89	322.23	3,197.34	44.83	-34.74	-34.61	0.00	0.00	0.00
3,300.00	5.89	322.23	3,296.82	52.93	-41.02	-40.86	0.00	0.00	0.00
3,400.00	5.89	322.23	3,396.29	61.04	-47.30	-47.12	0.00	0.00	0.00
3,500.00	5.89	322.23	3,495.76	69.14	-53.59	-53.38	0.00	0.00	0.00
3,600.00	5.89	322.23	3,595.23	77.25	-59.87	-59.64	0.00	0.00	0.00
3,700.00	5.89	322.23	3,694.71	85.36	-66.15	-65.90	0.00	0.00	0.00
3,800.00	5.89	322.23	3,794.18	93.46	-72.43	-72.15	0.00	0.00	0.00
3,900.00	5.89	322.23	3,893.65	101.57	-78.71	-78.41	0.00	0.00	0.00
4,000.00	5.89	322.23	3,993.13	109.68	-85.00	-84.67	0.00	0.00	0.00
4,100.00	5.89	322.23	4,092.60	117.78	-91.28	-90.93	0.00	0.00	0.00
4,200.00	5.89	322.23	4,192.07	125.89	-97.56	-97.19	0.00	0.00	0.00
4,300.00	5.89	322.23	4,291.54	133.99	-103.84	-103.44	0.00	0.00	0.00
4,400.00	5.89	322.23	4,391.02	142.10	-110.12	-109.70	0.00	0.00	0.00
4,500.00	5.89	322.23	4,490.49	150.21	-116.41	-115.96	0.00	0.00	0.00
4,600.00	5.89	322.23	4,589.96	158.31	-122.69	-122.22	0.00	0.00	0.00
4,700.00	5.89	322.23	4,689.43	166.42	-128.97	-128.48	0.00	0.00	0.00
4,800.00	5.89	322.23	4,788.91	174.53	-135.25	-134.73	0.00	0.00	0.00
4,900.00	5.89	322.23	4,888.38	182.63	-141.54	-140.99	0.00	0.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3724.64usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3724.64usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	301H		
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	5.89	322.23	4,987.85	190.74	-147.82	-147.25	0.00	0.00	0.00	
5,100.00	5.89	322.23	5,087.33	198.84	-154.10	-153.51	0.00	0.00	0.00	
5,200.00	5.89	322.23	5,186.80	206.95	-160.38	-159.77	0.00	0.00	0.00	
5,300.00	5.89	322.23	5,286.27	215.06	-166.66	-166.03	0.00	0.00	0.00	
5,400.00	5.89	322.23	5,385.74	223.16	-172.95	-172.28	0.00	0.00	0.00	
5,500.00	5.89	322.23	5,485.22	231.27	-179.23	-178.54	0.00	0.00	0.00	
5,600.00	5.89	322.23	5,584.69	239.38	-185.51	-184.80	0.00	0.00	0.00	
5,700.00	5.89	322.23	5,684.16	247.48	-191.79	-191.06	0.00	0.00	0.00	
5,800.00	5.89	322.23	5,783.63	255.59	-198.07	-197.32	0.00	0.00	0.00	
5,900.00	5.89	322.23	5,883.11	263.69	-204.36	-203.57	0.00	0.00	0.00	
6,000.00	5.89	322.23	5,982.58	271.80	-210.64	-209.83	0.00	0.00	0.00	
6,100.00	5.89	322.23	6,082.05	279.91	-216.92	-216.09	0.00	0.00	0.00	
6,200.00	5.89	322.23	6,181.53	288.01	-223.20	-222.35	0.00	0.00	0.00	
6,300.00	5.89	322.23	6,281.00	296.12	-229.49	-228.61	0.00	0.00	0.00	
6,400.00	5.89	322.23	6,380.47	304.23	-235.77	-234.86	0.00	0.00	0.00	
6,500.00	5.89	322.23	6,479.94	312.33	-242.05	-241.12	0.00	0.00	0.00	
6,600.00	5.89	322.23	6,579.42	320.44	-248.33	-247.38	0.00	0.00	0.00	
6,700.00	5.89	322.23	6,678.89	328.54	-254.61	-253.64	0.00	0.00	0.00	
6,800.00	5.89	322.23	6,778.36	336.65	-260.90	-259.90	0.00	0.00	0.00	
6,878.25	5.89	322.23	6,856.20	342.99	-265.81	-264.79	0.00	0.00	0.00	
Start Drop -2.00										
6,900.00	5.45	322.23	6,877.84	344.69	-267.13	-266.10	2.00	-2.00	0.00	
7,000.00	3.45	322.23	6,977.54	350.83	-271.88	-270.84	2.00	-2.00	0.00	
7,100.00	1.45	322.23	7,077.44	354.21	-274.50	-273.45	2.00	-2.00	0.00	
7,172.57	0.00	0.00	7,150.00	354.93	-275.07	-274.01	2.00	-2.00	52.05	
Start 2452.04 hold at 7172.57 MD										
7,200.00	0.00	0.00	7,177.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,277.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,377.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,477.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,577.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,677.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,777.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,877.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,977.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,100.00	0.00	0.00	8,077.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,200.00	0.00	0.00	8,177.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,277.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,377.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,477.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,577.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,677.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,777.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,877.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
9,000.00	0.00	0.00	8,977.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
9,100.00	0.00	0.00	9,077.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
9,200.00	0.00	0.00	9,177.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
9,300.00	0.00	0.00	9,277.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
9,400.00	0.00	0.00	9,377.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
9,500.00	0.00	0.00	9,477.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
9,600.00	0.00	0.00	9,577.43	354.93	-275.07	-274.01	0.00	0.00	0.00	
9,624.61	0.00	0.00	9,602.04	354.93	-275.07	-274.01	0.00	0.00	0.00	
Start Build 10.00										



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3724.64usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3724.64usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	301H		
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)
9,650.00	2.54	89.83	9,627.42	354.94	-274.50	-273.45	10.00	10.00	0.00
9,700.00	7.54	89.83	9,677.21	354.95	-270.11	-269.06	10.00	10.00	0.00
9,750.00	12.54	89.83	9,726.43	354.97	-261.40	-260.35	10.00	10.00	0.00
9,800.00	17.54	89.83	9,774.71	355.01	-248.43	-247.38	10.00	10.00	0.00
9,850.00	22.54	89.83	9,821.66	355.06	-231.30	-230.25	10.00	10.00	0.00
9,900.00	27.54	89.83	9,866.95	355.12	-210.15	-209.09	10.00	10.00	0.00
9,950.00	32.54	89.83	9,910.22	355.20	-185.13	-184.07	10.00	10.00	0.00
10,000.00	37.54	89.83	9,951.15	355.28	-156.43	-155.37	10.00	10.00	0.00
10,050.00	42.54	89.83	9,989.41	355.38	-124.27	-123.22	10.00	10.00	0.00
10,100.00	47.54	89.83	10,024.73	355.48	-88.91	-87.85	10.00	10.00	0.00
10,150.00	52.54	89.83	10,056.84	355.59	-50.59	-49.54	10.00	10.00	0.00
10,200.00	57.54	89.83	10,085.48	355.71	-9.63	-8.57	10.00	10.00	0.00
10,250.00	62.54	89.83	10,110.44	355.84	33.67	34.73	10.00	10.00	0.00
10,300.00	67.54	89.83	10,131.54	355.97	78.99	80.04	10.00	10.00	0.00
10,350.00	72.54	89.83	10,148.60	356.11	125.97	127.03	10.00	10.00	0.00
10,400.00	77.54	89.83	10,161.50	356.25	174.26	175.32	10.00	10.00	0.00
10,450.00	82.54	89.83	10,170.15	356.39	223.49	224.55	10.00	10.00	0.00
10,500.00	87.54	89.83	10,174.47	356.54	273.29	274.34	10.00	10.00	0.00
10,524.61	90.00	89.83	10,175.00	356.61	297.89	298.95	10.00	10.00	0.00
Start 13048.98 hold at 10524.61 MD									
10,600.00	90.00	89.83	10,175.00	356.83	373.28	374.34	0.00	0.00	0.00
10,700.00	90.00	89.83	10,175.00	357.12	473.28	474.34	0.00	0.00	0.00
10,800.00	90.00	89.83	10,175.00	357.42	573.28	574.34	0.00	0.00	0.00
10,900.00	90.00	89.83	10,175.00	357.71	673.28	674.34	0.00	0.00	0.00
11,000.00	90.00	89.83	10,175.00	358.00	773.28	774.34	0.00	0.00	0.00
11,100.00	90.00	89.83	10,175.00	358.29	873.28	874.34	0.00	0.00	0.00
11,200.00	90.00	89.83	10,175.00	358.59	973.28	974.34	0.00	0.00	0.00
11,300.00	90.00	89.83	10,175.00	358.88	1,073.28	1,074.34	0.00	0.00	0.00
11,400.00	90.00	89.83	10,175.00	359.17	1,173.28	1,174.34	0.00	0.00	0.00
11,500.00	90.00	89.83	10,175.00	359.46	1,273.28	1,274.34	0.00	0.00	0.00
11,600.00	90.00	89.83	10,175.00	359.76	1,373.27	1,374.34	0.00	0.00	0.00
11,700.00	90.00	89.83	10,175.00	360.05	1,473.27	1,474.34	0.00	0.00	0.00
11,800.00	90.00	89.83	10,175.00	360.34	1,573.27	1,574.34	0.00	0.00	0.00
11,900.00	90.00	89.83	10,175.00	360.63	1,673.27	1,674.34	0.00	0.00	0.00
12,000.00	90.00	89.83	10,175.00	360.93	1,773.27	1,774.34	0.00	0.00	0.00
12,100.00	90.00	89.83	10,175.00	361.22	1,873.27	1,874.34	0.00	0.00	0.00
12,200.00	90.00	89.83	10,175.00	361.51	1,973.27	1,974.34	0.00	0.00	0.00
12,300.00	90.00	89.83	10,175.00	361.80	2,073.27	2,074.34	0.00	0.00	0.00
12,400.00	90.00	89.83	10,175.00	362.10	2,173.27	2,174.34	0.00	0.00	0.00
12,500.00	90.00	89.83	10,175.00	362.39	2,273.27	2,274.34	0.00	0.00	0.00
12,600.00	90.00	89.83	10,175.00	362.68	2,373.27	2,374.34	0.00	0.00	0.00
12,700.00	90.00	89.83	10,175.00	362.97	2,473.27	2,474.34	0.00	0.00	0.00
12,800.00	90.00	89.83	10,175.00	363.27	2,573.27	2,574.34	0.00	0.00	0.00
12,900.00	90.00	89.83	10,175.00	363.56	2,673.27	2,674.34	0.00	0.00	0.00
13,000.00	90.00	89.83	10,175.00	363.85	2,773.27	2,774.34	0.00	0.00	0.00
13,100.00	90.00	89.83	10,175.00	364.14	2,873.27	2,874.34	0.00	0.00	0.00
13,200.00	90.00	89.83	10,175.00	364.44	2,973.27	2,974.34	0.00	0.00	0.00
13,300.00	90.00	89.83	10,175.00	364.73	3,073.27	3,074.34	0.00	0.00	0.00
13,400.00	90.00	89.83	10,175.00	365.02	3,173.27	3,174.34	0.00	0.00	0.00
13,500.00	90.00	89.83	10,175.00	365.31	3,273.27	3,274.34	0.00	0.00	0.00
13,600.00	90.00	89.83	10,175.00	365.61	3,373.27	3,374.34	0.00	0.00	0.00
13,700.00	90.00	89.83	10,175.00	365.90	3,473.27	3,474.34	0.00	0.00	0.00
13,800.00	90.00	89.83	10,175.00	366.19	3,573.27	3,574.34	0.00	0.00	0.00
13,900.00	90.00	89.83	10,175.00	366.48	3,673.26	3,674.34	0.00	0.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3724.64usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3724.64usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	301H		
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	10,175.00	366.78	3,773.26	3,774.34	0.00	0.00	0.00
14,100.00	90.00	89.83	10,175.00	367.07	3,873.26	3,874.34	0.00	0.00	0.00
14,200.00	90.00	89.83	10,175.00	367.36	3,973.26	3,974.34	0.00	0.00	0.00
14,300.00	90.00	89.83	10,175.00	367.65	4,073.26	4,074.34	0.00	0.00	0.00
14,400.00	90.00	89.83	10,175.00	367.95	4,173.26	4,174.34	0.00	0.00	0.00
14,500.00	90.00	89.83	10,175.00	368.24	4,273.26	4,274.34	0.00	0.00	0.00
14,600.00	90.00	89.83	10,175.00	368.53	4,373.26	4,374.34	0.00	0.00	0.00
14,700.00	90.00	89.83	10,175.00	368.82	4,473.26	4,474.34	0.00	0.00	0.00
14,800.00	90.00	89.83	10,175.00	369.12	4,573.26	4,574.34	0.00	0.00	0.00
14,900.00	90.00	89.83	10,175.00	369.41	4,673.26	4,674.34	0.00	0.00	0.00
15,000.00	90.00	89.83	10,175.00	369.70	4,773.26	4,774.34	0.00	0.00	0.00
15,100.00	90.00	89.83	10,175.00	369.99	4,873.26	4,874.34	0.00	0.00	0.00
15,200.00	90.00	89.83	10,175.00	370.29	4,973.26	4,974.34	0.00	0.00	0.00
15,300.00	90.00	89.83	10,175.00	370.58	5,073.26	5,074.34	0.00	0.00	0.00
15,400.00	90.00	89.83	10,175.00	370.87	5,173.26	5,174.34	0.00	0.00	0.00
15,500.00	90.00	89.83	10,175.00	371.16	5,273.26	5,274.34	0.00	0.00	0.00
15,600.00	90.00	89.83	10,175.00	371.46	5,373.26	5,374.34	0.00	0.00	0.00
15,700.00	90.00	89.83	10,175.00	371.75	5,473.26	5,474.34	0.00	0.00	0.00
15,800.00	90.00	89.83	10,175.00	372.04	5,573.26	5,574.34	0.00	0.00	0.00
15,900.00	90.00	89.83	10,175.00	372.33	5,673.26	5,674.34	0.00	0.00	0.00
16,000.00	90.00	89.83	10,175.00	372.63	5,773.26	5,774.34	0.00	0.00	0.00
16,100.00	90.00	89.83	10,175.00	372.92	5,873.26	5,874.34	0.00	0.00	0.00
16,200.00	90.00	89.83	10,175.00	373.21	5,973.26	5,974.34	0.00	0.00	0.00
16,300.00	90.00	89.83	10,175.00	373.50	6,073.25	6,074.34	0.00	0.00	0.00
16,400.00	90.00	89.83	10,175.00	373.80	6,173.25	6,174.34	0.00	0.00	0.00
16,500.00	90.00	89.83	10,175.00	374.09	6,273.25	6,274.34	0.00	0.00	0.00
16,600.00	90.00	89.83	10,175.00	374.38	6,373.25	6,374.34	0.00	0.00	0.00
16,700.00	90.00	89.83	10,175.00	374.67	6,473.25	6,474.34	0.00	0.00	0.00
16,800.00	90.00	89.83	10,175.00	374.97	6,573.25	6,574.34	0.00	0.00	0.00
16,900.00	90.00	89.83	10,175.00	375.26	6,673.25	6,674.34	0.00	0.00	0.00
17,000.00	90.00	89.83	10,175.00	375.55	6,773.25	6,774.34	0.00	0.00	0.00
17,100.00	90.00	89.83	10,175.00	375.84	6,873.25	6,874.34	0.00	0.00	0.00
17,200.00	90.00	89.83	10,175.00	376.14	6,973.25	6,974.34	0.00	0.00	0.00
17,300.00	90.00	89.83	10,175.00	376.43	7,073.25	7,074.34	0.00	0.00	0.00
17,400.00	90.00	89.83	10,175.00	376.72	7,173.25	7,174.34	0.00	0.00	0.00
17,500.00	90.00	89.83	10,175.00	377.01	7,273.25	7,274.34	0.00	0.00	0.00
17,600.00	90.00	89.83	10,175.00	377.31	7,373.25	7,374.34	0.00	0.00	0.00
17,700.00	90.00	89.83	10,175.00	377.60	7,473.25	7,474.34	0.00	0.00	0.00
17,800.00	90.00	89.83	10,175.00	377.89	7,573.25	7,574.34	0.00	0.00	0.00
17,900.00	90.00	89.83	10,175.00	378.18	7,673.25	7,674.34	0.00	0.00	0.00
18,000.00	90.00	89.83	10,175.00	378.48	7,773.25	7,774.34	0.00	0.00	0.00
18,100.00	90.00	89.83	10,175.00	378.77	7,873.25	7,874.34	0.00	0.00	0.00
18,200.00	90.00	89.83	10,175.00	379.06	7,973.25	7,974.34	0.00	0.00	0.00
18,300.00	90.00	89.83	10,175.00	379.35	8,073.25	8,074.34	0.00	0.00	0.00
18,400.00	90.00	89.83	10,175.00	379.65	8,173.25	8,174.34	0.00	0.00	0.00
18,500.00	90.00	89.83	10,175.00	379.94	8,273.25	8,274.34	0.00	0.00	0.00
18,600.00	90.00	89.83	10,175.00	380.23	8,373.24	8,374.34	0.00	0.00	0.00
18,700.00	90.00	89.83	10,175.00	380.52	8,473.24	8,474.34	0.00	0.00	0.00
18,800.00	90.00	89.83	10,175.00	380.82	8,573.24	8,574.34	0.00	0.00	0.00
18,900.00	90.00	89.83	10,175.00	381.11	8,673.24	8,674.34	0.00	0.00	0.00
19,000.00	90.00	89.83	10,175.00	381.40	8,773.24	8,774.34	0.00	0.00	0.00
19,100.00	90.00	89.83	10,175.00	381.69	8,873.24	8,874.34	0.00	0.00	0.00
19,200.00	90.00	89.83	10,175.00	381.99	8,973.24	8,974.34	0.00	0.00	0.00
19,300.00	90.00	89.83	10,175.00	382.28	9,073.24	9,074.34	0.00	0.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3724.64usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3724.64usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	301H		
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	10,175.00	382.57	9,173.24	9,174.34	0.00	0.00	0.00	
19,500.00	90.00	89.83	10,175.00	382.86	9,273.24	9,274.34	0.00	0.00	0.00	
19,600.00	90.00	89.83	10,175.00	383.16	9,373.24	9,374.34	0.00	0.00	0.00	
19,700.00	90.00	89.83	10,175.00	383.45	9,473.24	9,474.34	0.00	0.00	0.00	
19,800.00	90.00	89.83	10,175.00	383.74	9,573.24	9,574.34	0.00	0.00	0.00	
19,900.00	90.00	89.83	10,175.00	384.03	9,673.24	9,674.34	0.00	0.00	0.00	
20,000.00	90.00	89.83	10,175.00	384.33	9,773.24	9,774.34	0.00	0.00	0.00	
20,100.00	90.00	89.83	10,175.00	384.62	9,873.24	9,874.34	0.00	0.00	0.00	
20,200.00	90.00	89.83	10,175.00	384.91	9,973.24	9,974.34	0.00	0.00	0.00	
20,300.00	90.00	89.83	10,175.00	385.20	10,073.24	10,074.34	0.00	0.00	0.00	
20,400.00	90.00	89.83	10,175.00	385.50	10,173.24	10,174.34	0.00	0.00	0.00	
20,500.00	90.00	89.83	10,175.00	385.79	10,273.24	10,274.34	0.00	0.00	0.00	
20,600.00	90.00	89.83	10,175.00	386.08	10,373.24	10,374.34	0.00	0.00	0.00	
20,700.00	90.00	89.83	10,175.00	386.37	10,473.24	10,474.34	0.00	0.00	0.00	
20,800.00	90.00	89.83	10,175.00	386.67	10,573.24	10,574.34	0.00	0.00	0.00	
20,900.00	90.00	89.83	10,175.00	386.96	10,673.24	10,674.34	0.00	0.00	0.00	
21,000.00	90.00	89.83	10,175.00	387.25	10,773.23	10,774.34	0.00	0.00	0.00	
21,100.00	90.00	89.83	10,175.00	387.54	10,873.23	10,874.34	0.00	0.00	0.00	
21,200.00	90.00	89.83	10,175.00	387.84	10,973.23	10,974.34	0.00	0.00	0.00	
21,300.00	90.00	89.83	10,175.00	388.13	11,073.23	11,074.34	0.00	0.00	0.00	
21,400.00	90.00	89.83	10,175.00	388.42	11,173.23	11,174.34	0.00	0.00	0.00	
21,500.00	90.00	89.83	10,175.00	388.71	11,273.23	11,274.34	0.00	0.00	0.00	
21,600.00	90.00	89.83	10,175.00	389.01	11,373.23	11,374.34	0.00	0.00	0.00	
21,700.00	90.00	89.83	10,175.00	389.30	11,473.23	11,474.34	0.00	0.00	0.00	
21,800.00	90.00	89.83	10,175.00	389.59	11,573.23	11,574.34	0.00	0.00	0.00	
21,900.00	90.00	89.83	10,175.00	389.88	11,673.23	11,674.34	0.00	0.00	0.00	
22,000.00	90.00	89.83	10,175.00	390.18	11,773.23	11,774.34	0.00	0.00	0.00	
22,100.00	90.00	89.83	10,175.00	390.47	11,873.23	11,874.34	0.00	0.00	0.00	
22,200.00	90.00	89.83	10,175.00	390.76	11,973.23	11,974.34	0.00	0.00	0.00	
22,300.00	90.00	89.83	10,175.00	391.05	12,073.23	12,074.34	0.00	0.00	0.00	
22,400.00	90.00	89.83	10,175.00	391.35	12,173.23	12,174.34	0.00	0.00	0.00	
22,500.00	90.00	89.83	10,175.00	391.64	12,273.23	12,274.34	0.00	0.00	0.00	
22,600.00	90.00	89.83	10,175.00	391.93	12,373.23	12,374.34	0.00	0.00	0.00	
22,700.00	90.00	89.83	10,175.00	392.22	12,473.23	12,474.34	0.00	0.00	0.00	
22,800.00	90.00	89.83	10,175.00	392.52	12,573.23	12,574.34	0.00	0.00	0.00	
22,900.00	90.00	89.83	10,175.00	392.81	12,673.23	12,674.34	0.00	0.00	0.00	
23,000.00	90.00	89.83	10,175.00	393.10	12,773.23	12,774.34	0.00	0.00	0.00	
23,100.00	90.00	89.83	10,175.00	393.39	12,873.23	12,874.34	0.00	0.00	0.00	
23,200.00	90.00	89.83	10,175.00	393.69	12,973.23	12,974.34	0.00	0.00	0.00	
23,300.00	90.00	89.83	10,175.00	393.98	13,073.22	13,074.34	0.00	0.00	0.00	
23,400.00	90.00	89.83	10,175.00	394.27	13,173.22	13,174.34	0.00	0.00	0.00	
23,500.00	90.00	89.83	10,175.00	394.56	13,273.22	13,274.34	0.00	0.00	0.00	
23,573.59	90.00	89.83	10,175.00	394.78	13,346.81	13,347.92	0.00	0.00	0.00	
TD at 23573.59										



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM 301H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3724.64usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3724.64usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	301H		
Design:	Plan 2		

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									
FTP - v1 - (02) Bond 32- - plan hits target center - Point	0.00	0.00	10,175.00	356.61	297.89	621,556.24	709,029.36	32.70751447	-103.78814649
PBHL - v1 - (02) Bond 3: - plan hits target center - Point	0.00	0.00	10,175.00	394.78	13,346.81	621,594.41	722,078.28	32.70742779	-103.74572401
LTP - v1 - (02) Bond 32- - plan misses target center by 23.59usft at 23500.00usft MD (10175.00 TVD, 394.56 N, 13273.22 E) - Point	0.00	0.00	10,175.00	394.60	13,296.81	621,594.23	722,028.28	32.70742806	-103.74588657

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,500.00	2,500.00	0.00	0.00	Start Build 2.00
2,794.32	2,793.80	11.94	-9.25	Start 4083.93 hold at 2794.32 MD
6,878.25	6,856.20	342.99	-265.81	Start Drop -2.00
7,172.57	7,150.00	354.93	-275.07	Start 2452.04 hold at 7172.57 MD
9,624.61	9,602.04	354.93	-275.07	Start Build 10.00
10,524.61	10,175.00	356.61	297.89	Start 13048.98 hold at 10524.61 MD
23,573.59	10,175.00	394.78	13,346.81	TD at 23573.59

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 536454

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 536454
	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.
-------------------------------------	--

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 536454

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 536454
	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.	12/19/2025
mikahthomas	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	12/19/2025
jeffrey.harrison	All conducted logs must be submitted to the OCD.	12/26/2025
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.	12/26/2025
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.	12/26/2025
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.	12/26/2025
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.	12/26/2025
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.	12/26/2025
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.	12/26/2025