

Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ 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.
		8. Lease Name and Well No. 303H
2. Name of Operator		9. API Well No. 30-025-55820
3a. Address	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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be requested by the BLM. |

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

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

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

(Continued on page 2)

*(Instructions on page 2)



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 / 2345 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.70654 / LONG: -103.789446 (TVD: 0 feet, MD: 0 feet)
PPP: NWNE / 1254 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.707833 / LONG: -103.788146 (TVD: 9320 feet, MD: 9666 feet)
PPP: NWNW / 1254 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7078158 / LONG: -103.7798887 (TVD: 9320 feet, MD: 12201 feet)
PPP: NWNW / 1254 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7077822 / LONG: -103.7627381 (TVD: 9320 feet, MD: 17476 feet)
PPP: NWNE / 1254 FNL / 2636 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7077993 / LONG: -103.7713186 (TVD: 9320 feet, MD: 14837 feet)
BHL: NENE / 1254 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.707746 / LONG: -103.745594 (TVD: 9320 feet, MD: 22749 feet)

BLM Point of Contact

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

CONFIDENTIAL

* PLEASE REFER TO UPDATED NOI/CHANGE OF PLANS AND THE RELEVANT CONDITIONS ATTACHED TO THIS PERMIT.

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	PBEX Operations LLC
LOCATION:	Section 32, T.18 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	Bond 32-34 Fed Com 101H
ATS/API ID:	ATS-25-1256
APD ID:	10400103826
Sundry ID:	N/a

WELL NAME & NO.:	Bond 32-34 Fed Com 102H
ATS/API ID:	ATS-25-1255
APD ID:	10400103829
Sundry ID:	N/a

WELL NAME & NO.:	Bond 32-34 Fed Com 103H
ATS/API ID:	ATS-25-1250
APD ID:	10400103891
Sundry ID:	N/a

WELL NAME & NO.:	Bond 33-34 Fed Com 104H
ATS/API ID:	ATS-25-1248
APD ID:	10400103895
Sundry ID:	N/a

WELL NAME & NO.:	Bond 33-34 Fed Com 105H
ATS/API ID:	ATS-25-1246
APD ID:	10400103903
Sundry ID:	N/a

WELL NAME & NO.:	Bond 33-34 Fed Com 106H
ATS/API ID:	ATS-25-1240
APD ID:	10400103914
Sundry ID:	N/a

WELL NAME & NO.:	Bond 32-34 Fed Com 1H
ATS/API ID:	ATS-25-1254
APD ID:	10400103708
Sundry ID:	N/a

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

COA

H2S	Yes		
Potash	None	None	
Cave/Karst Potential	Low		
Cave/Karst Potential	☐ Critical		
Variance	☒ None	☒ Flex Hose	☒ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String ☐ 5 String	Capitan Reef None	☐ WIPP
Other	Pilot Hole None	☐ Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter None	Primary Cement Squeeze None
Special Requirements	☐ Water Disposal/Injection	☒ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention Waste MP	
Special Requirements Variance	☐ BOPE Break Testing ☐ Offline BOPE Testing	☐ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

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

B. CASING

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

C. PRESSURE CONTROL

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

Option 1:

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

Option 2:

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

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

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

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

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

GENERAL REQUIREMENTS

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

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

☒ Lea County

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

Long Vo (LVO) 4/11/2025



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

Operator Certification Data Report

11/30/2025

Operator

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

NAME: MIKAH THOMAS

Signed on: 04/03/2025

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND

State: TX

Zip: 79701

Phone: (432)661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



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

Application Data

11/30/2025

APD ID: 10400103831

Submission Date: 03/17/2025

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 203H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400103831

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: 203H

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:** 203H**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_203H_C102_20250403072655.pdf

24_041778_BOND_FED_COM_203H_C102_Add_Pool_20250403072701.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	2345	FWL	18S	32E	32	Aliquot SENW	32.70654	-103.789446	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	3694			Y
KOP Leg #1	1726	FNL	2345	FWL	18S	32E	32	Aliquot SENW	32.70654	-103.789446	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	-5053	8757	8747	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 203H

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	1254	FNL	2540	FEL	18S	32E	32	Aliquot NWNE	32.707833	- 103.788146	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	- 5626	9666	9320	Y
PPP Leg #1-2	1254	FNL	0	FWL	18S	32E	33	Aliquot NWNW	32.7078158	- 103.7798887	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 18232	- 5626	12201	9320	Y
PPP Leg #1-3	1254	FNL	2636	FWL	18S	32E	33	Aliquot NWNE	32.7077993	- 103.7713186	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 0556094	- 5626	14837	9320	Y
PPP Leg #1-4	1254	FNL	0	FWL	18S	32E	34	Aliquot NWNW	32.7077822	- 103.7627381	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 18302	- 5626	17476	9320	Y
EXIT Leg #1	1254	FNL	100	FEL	18S	32E	34	Aliquot NENE	32.707747	- 103.745887	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 18302	- 5626	22659	9320	Y
BHL Leg #1	1254	FNL	10	FEL	18S	32E	34	Aliquot NENE	32.707746	- 103.745594	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 18302	- 5626	22749	9320	Y

PLEASE REFER TO UPDATED FORMS AND PLATS ATTACHED TO THIS PERMIT.

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 203H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,694.18'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot 1	Ft. from N/S 1,726' FNL	Ft. from E/W 2,345' FWL	Latitude 32.706540°	Longitude -103.789446°	County LEA
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Bottom Hole Location

UL A	Section 34	Township 18S	Range 32E	Lot 1	Ft. from N/S 1,254' FNL	Ft. from E/W 10' FEL	Latitude 32.707746°	Longitude -103.745594°	County LEA
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Dedicated Acres 480	Infill or Defining Well	Definition	Overlying Spacing Unit (Y/N)	Consolidation Code
Order Numbers. R-23685				
Setbacks are under Common Ownership: ☐ Yes ☐ No				

(KOP)

UL F	Section 32	Township 18S	Range 32E	Lot 1	Ft. from N/S 1,726' FNL	Ft. from E/W 2,345' FWL	Latitude 32.706540°	Longitude -103.789446°	County LEA
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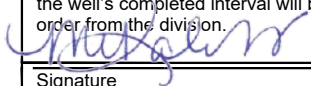
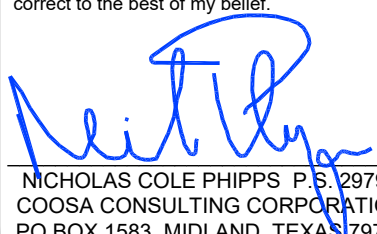
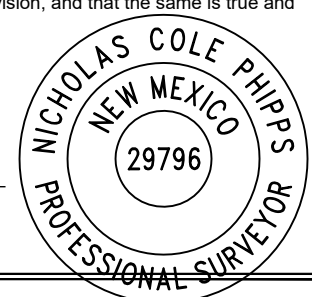
First Take Point

UL B	Section 32	Township 18S	Range 32E	Lot 1	Ft. from N/S 1,254' FNL	Ft. from E/W 2,540' FEL	Latitude 32.707833°	Longitude -103.788146°	County LEA
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Last Take Point (LTP)

UL A	Section 34	Township 18S	Range 32E	Lot 1	Ft. from N/S 1,254' FNL	Ft. from E/W 100' FEL	Latitude 32.707746°	Longitude -103.745887°	County LEA
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:
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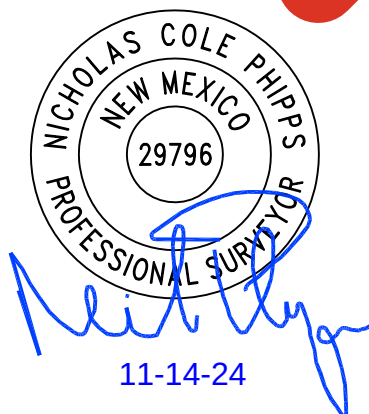
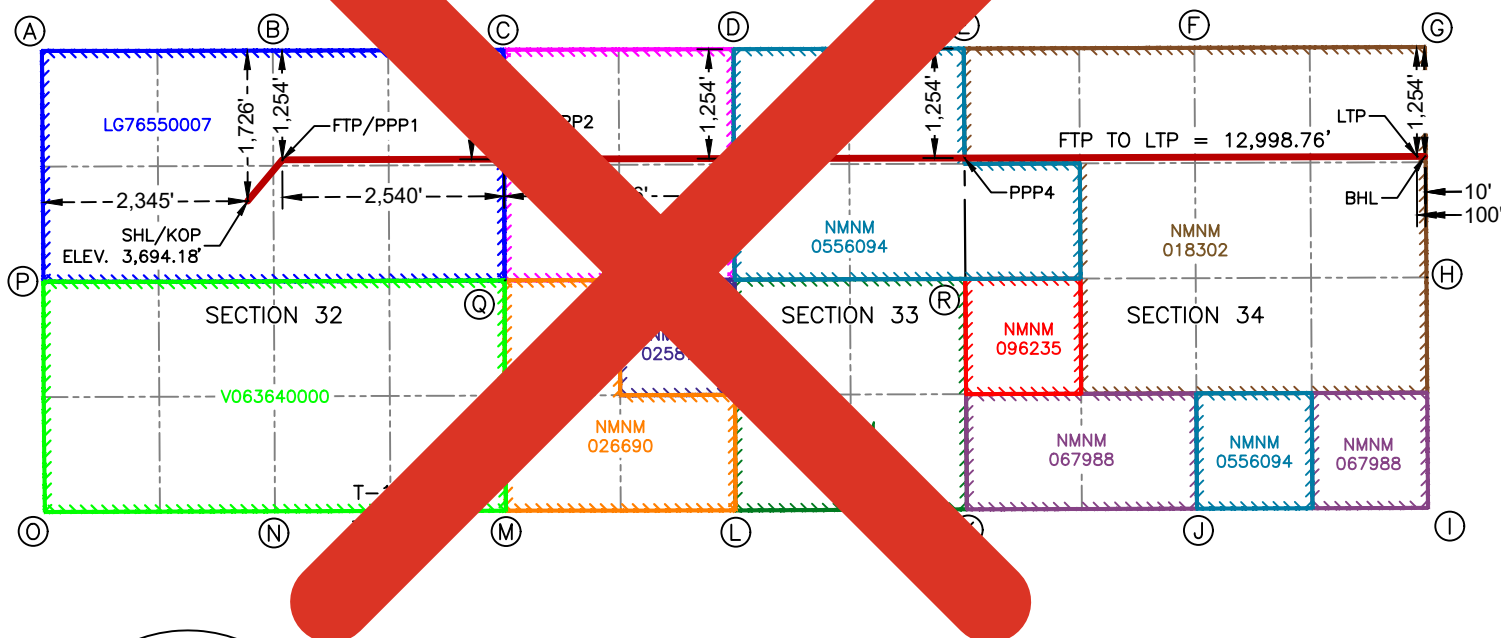
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  02/01/2025 Signature Date Mikah Thomas Printed Name mikah@pbex.com Email Address		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  NICHOLAS COLE PHIPPS P.S. 29796 COOSA CONSULTING CORPORATION PO BOX 1583, MIDLAND, TEXAS 79701 Signature and Seal of Professional Surveyor  Certificate Number 29796 Date of Survey 11/14/2024	
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Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.

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SURFACE HOLE LOCATION
& KICK-OFF POINT
1,726' FNL & 2,345' FWL
ELEV. = 3,694.18'

NAD 83 X = 708,631.47'
NAD 83 Y = 621,199.70'
NAD 83 LAT = 32.706540°
NAD 83 LONG = -103.789446°

FIRST TAKE POINT &
PENETRATION POINT 1
1,254' FNL & 2,540' FEL

NAD 83 X = 709,028.81'
NAD 83 Y = 621,672.24'
NAD 83 LAT = 32.707833°
NAD 83 LONG = -103.788146°

PENETRATION POINT 2
1,254' FNL & 0' FWL

NAD 83 X = 711,568.81'
NAD 83 Y = 621,679.13'
NAD 83 LAT = 32.707816°
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PENETRATION POINT 3
1,254' FNL & 2,636' FWL

NAD 83 X = 714,204.91'
NAD 83 Y = 621,685.94'
NAD 83 LAT = 32.707797°
NAD 83 LONG = -103.771319°

PENETRATION POINT 4
1,254' FNL & 0' FWL
NAD 83 X = 716,844.22'
NAD 83 Y = 621,692.77'
NAD 83 LAT = 32.707777°
NAD 83 LONG = -103.762738°

LAST TAKE POINT
1,254' FNL & 100' FEL
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BOTTOM HOLE LOCATION
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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'
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P	N:620,268.56' E:706,292.10'
Q	N:620,290.05' E:711,575.35'
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C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal
			☐ Amended Report
			☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code	Property Name BOND 32-34 FED COM	Well Number 203H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,694.18'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot 32	Ft. from N/S 1,726' FNL	Ft. from E/W 2,345' FEL	Latitude 32.706540°	Longitude -103.789446°	County LEA
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Dedicated Acres 320	Infill or Defining Well	Defining Well	Mapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers. R-23685				

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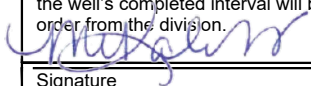
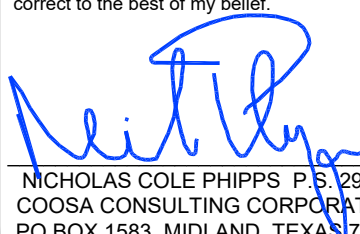
First Take Point (FTP)

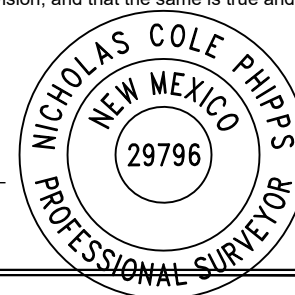
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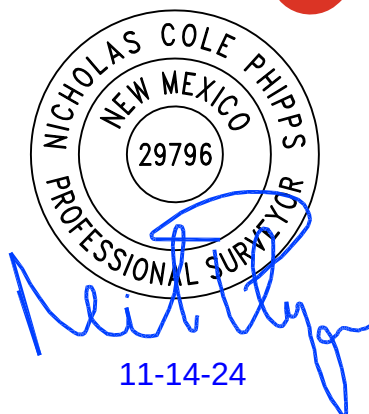
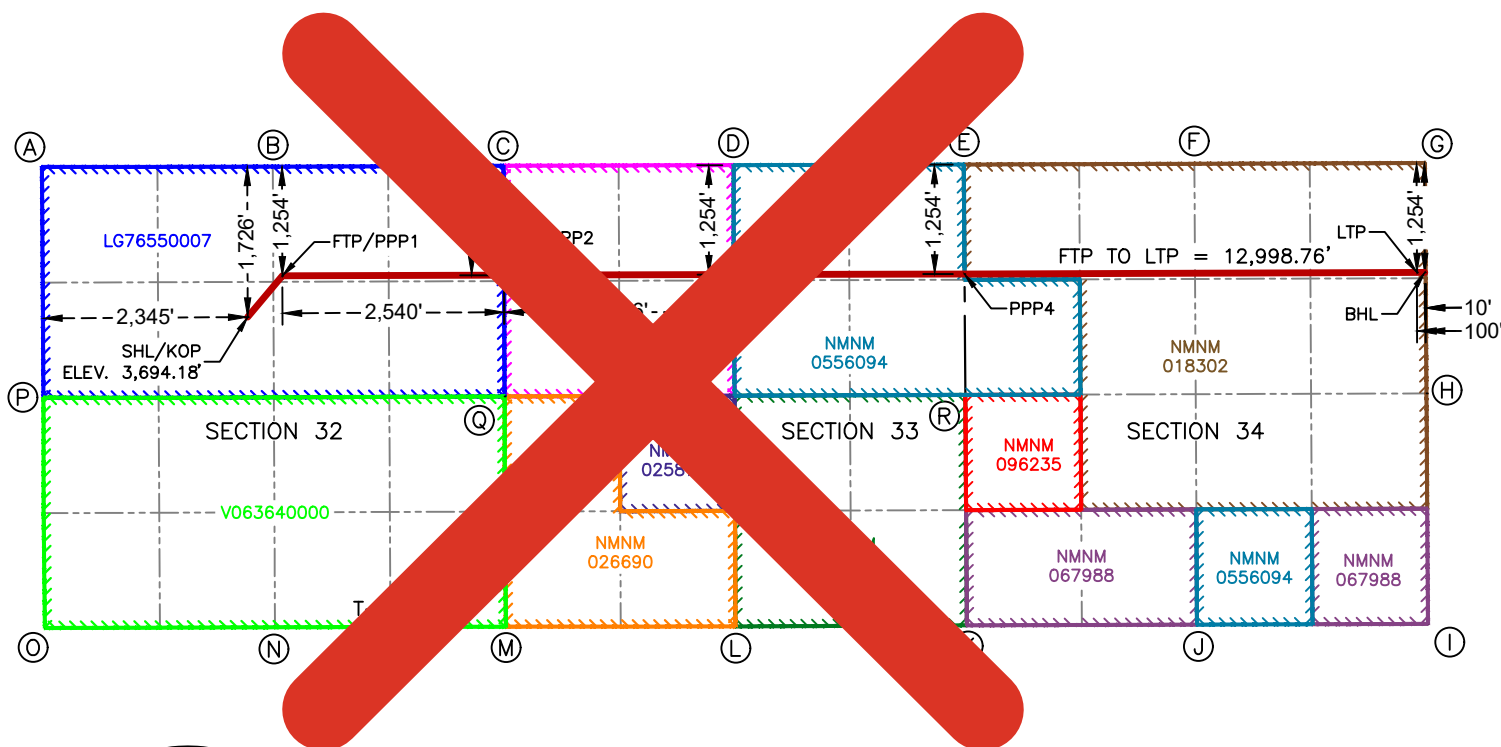


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Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'



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

Drilling Plan Data Report

11/30/2025

APD ID: 10400103831

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: 203H

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
16446983	QUATERNARY	3694	0	0	ALLUVIUM	NONE	N
16446985	RUSTLER	2544	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16446986	TOP OF SALT	2264	1430	1430	ANHYDRITE, SALT	NONE	N
16446987	BASE OF SALT	1519	2175	2185	ANHYDRITE, SALT	NONE	N
16447002	YATES	822	2872	2872	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16447003	SEVEN RIVERS	499	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16447004	QUEEN	-81	3775	3805	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16447006	SAN ANDRES	-571	4265	4295	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446991	CHERRY CANYON	-921	4615	4655	LIMESTONE, SANDSTONE, SHALE	NONE	N
16446992	BRUSHY CANYON	-1351	5045	5085	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446993	BONE SPRING LIME	-3275	6969	6999	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446994	AVALON SAND	-3496	7190	7230	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447007	BONE SPRING 1ST	-4626	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447008	BONE SPRING 2ND	-4931	8625	8685	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16447009	BONE SPRING 2ND	-5196	8890	8950	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16447010	BONE SPRING 3RD	-5736	9430	9500	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447011	BONE SPRING 3RD	-6141	9835	9915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COMWell Number: 203H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16447012	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	Set TVD	Top Set MD	Bottom Set MD	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	12384	10185	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	4535	3970	4505	-160	J-55	40	BUTT		1.125	1.125	BUOY	1.6	BUOY	1.6
3	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4535	3970	4505	-160	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:** 203H

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	22749	0	9320	3643	-5626	22749	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_20250224181842.pdf

Casing_Design_Assmpt_3_string_casing_20250224181848.pdf

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

Data_Sheet_9.625_Inch_40.00__J55_BTC_SEAH_20250224181915.pdf

Casing_Design_Assmpt_3_string_casing_20250224181922.pdf

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 203H

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_20250224181958.pdf

Casing_Design_Assmpt_3_string_casing_20250224182003.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Cu Ft	Excess%	Cement type	Additives	
SURFACE	Lead		0	1200	75	1667.3	100	C	Gel, Accelerator, LCM
SURFACE	Tail		1200	131	1.84	2.8	100	C	Gel, Accelerator, LCM
INTERMEDIATE	Lead		0	804	2.65	10.5	100	C or H	Fluid Loss, Retarder, LCM, Possibly beads

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 203H

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: 6058**Anticipated Surface Pressure:** 4007**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_203H_Plan_1_20250224182227.pdf

Bond_32_34_Fed_Com_203H_Plan_1_AC_20250224182233.pdf

Bond_32_34_Fed_Com_203H_Plan_1_Plot_20250224182237.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_2BSS_20250224182319.pdf

Bond_32_34_FED_COM__203H_Drill_Plan_v5_20250227111958.pdf

Other Variance request(s)?: N

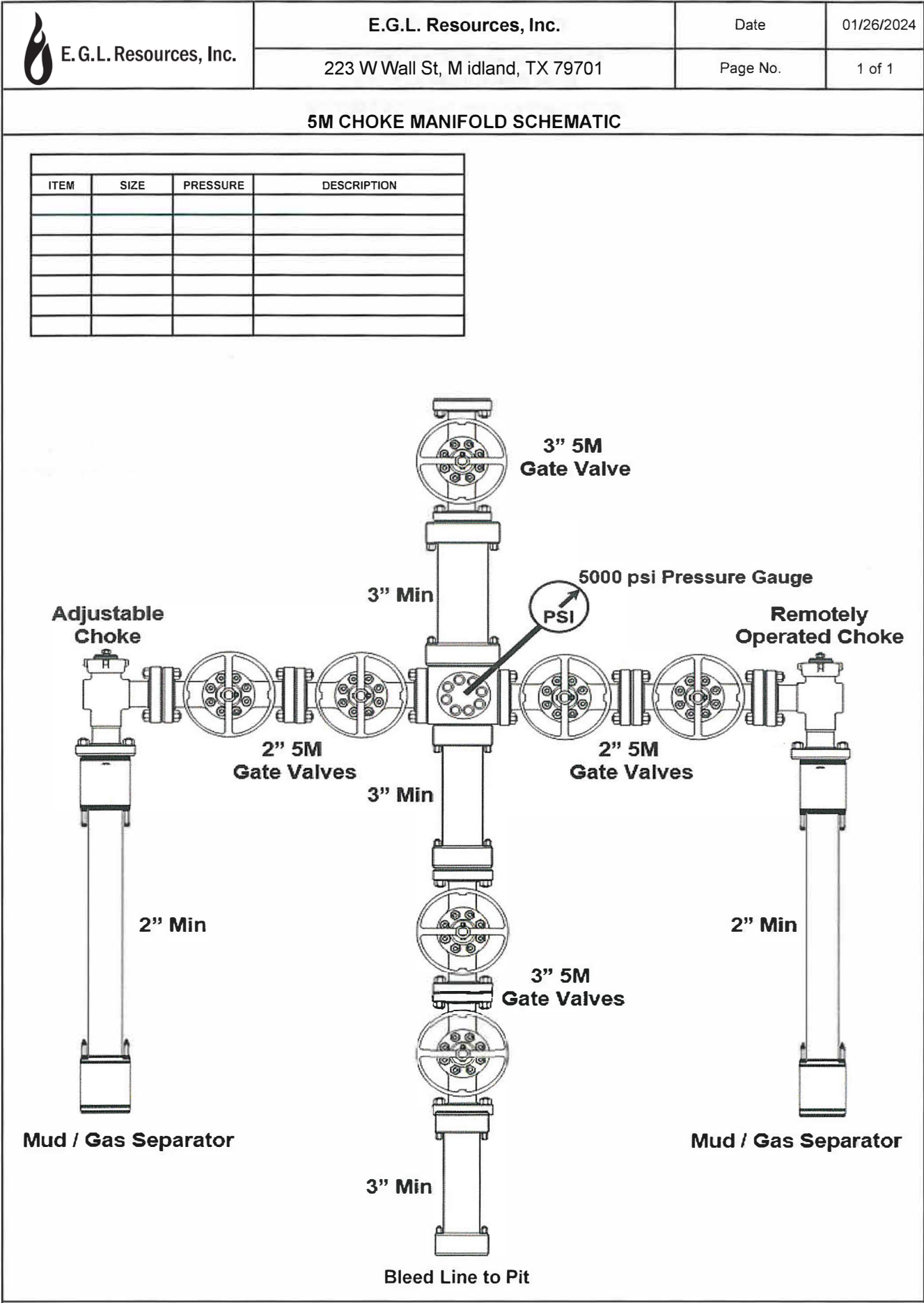
Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 203H

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

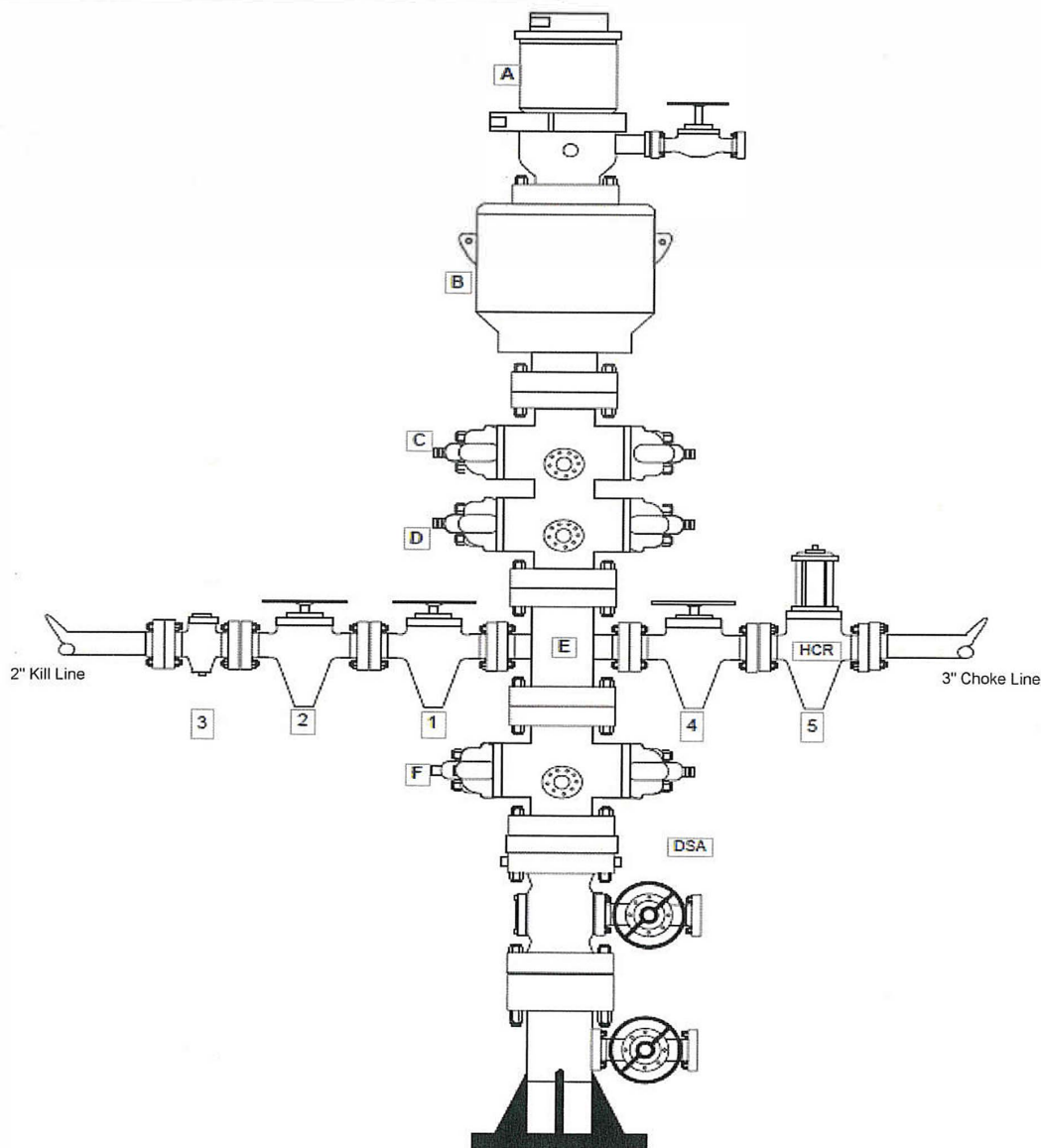
Page No.

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



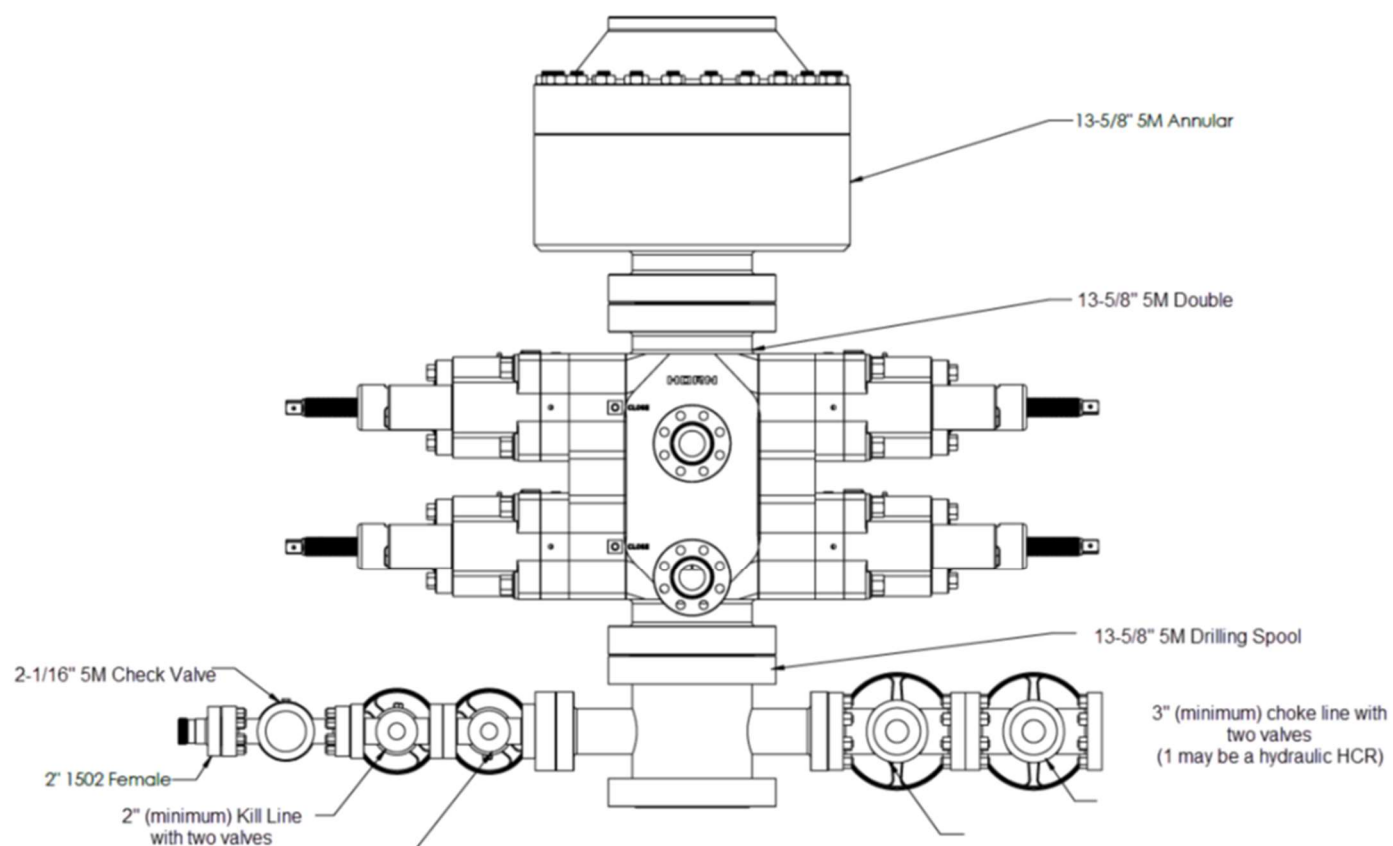
KILL LINE

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

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

UNCONTROLLED

Notes

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Spring, Texas 77380

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



9.625" 40# .395" J-55

Dimensions (Nominal)

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

Performance Properties

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

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

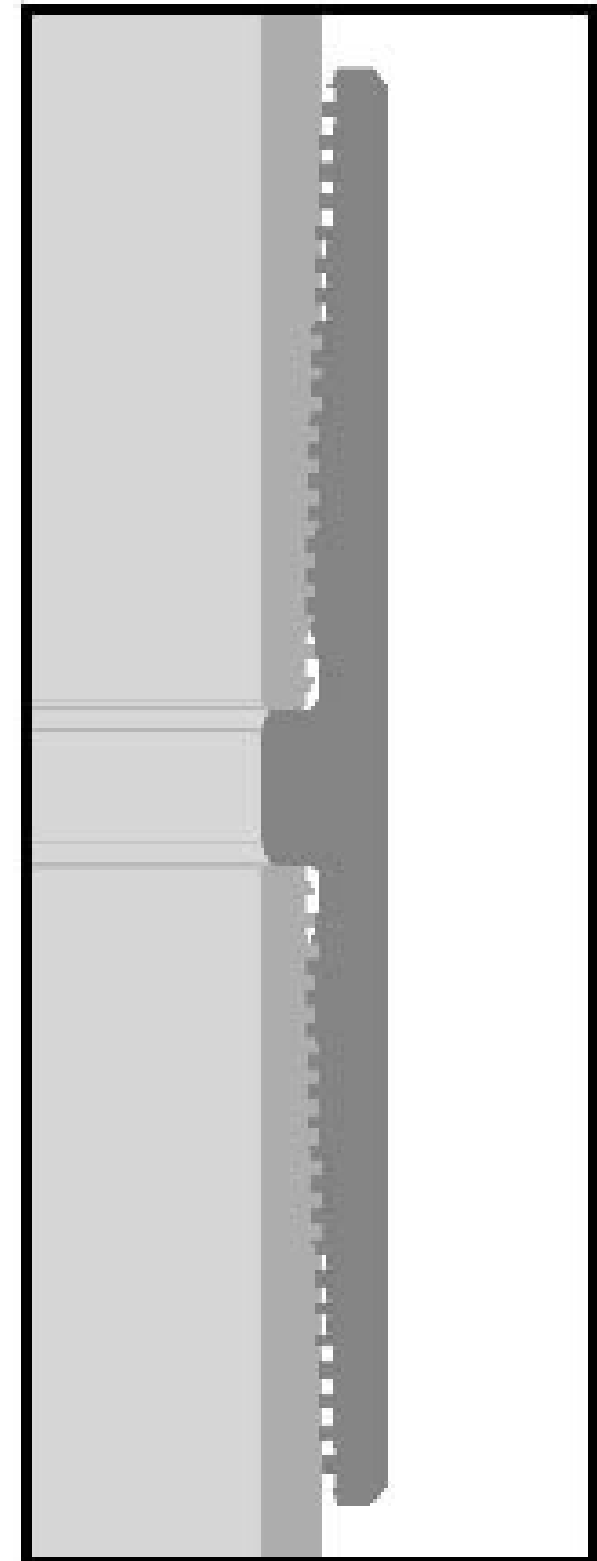
Technical Specifications

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

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



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Houston, TX 77041
Phone: 713-479-3200
Fax: 713-479-3234
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For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

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

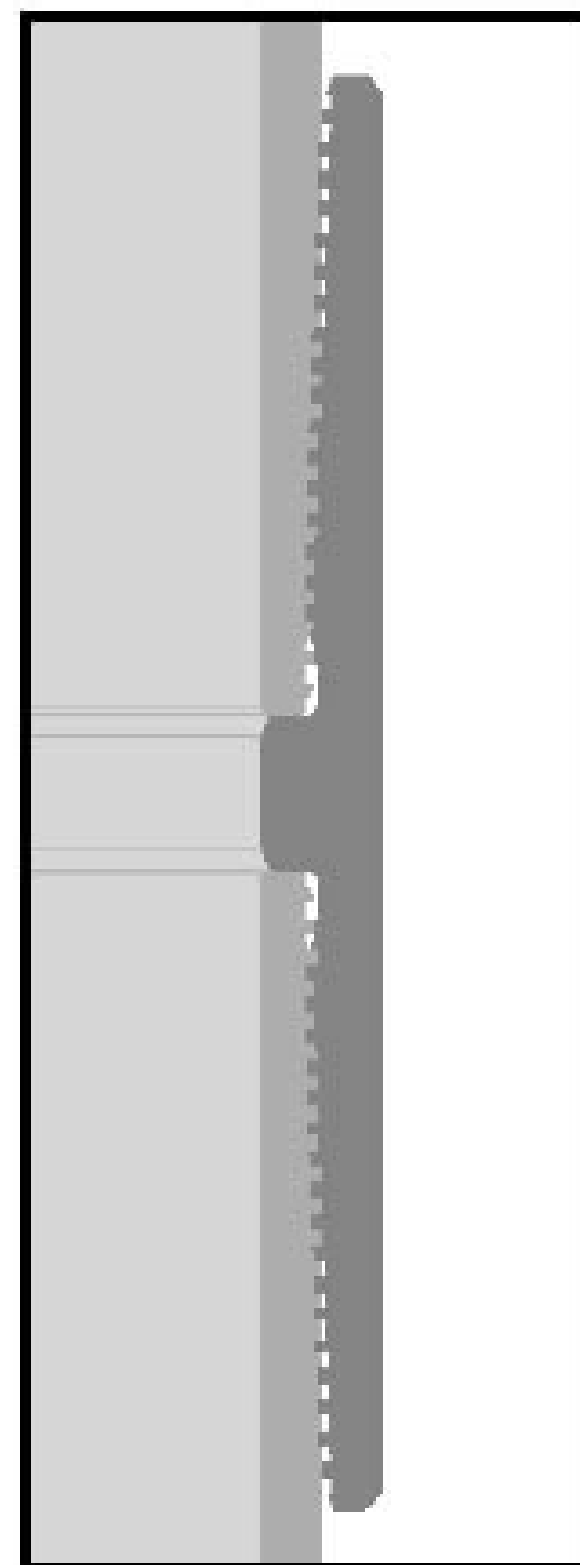
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2/6/2015



DWC Connection Data Notes:

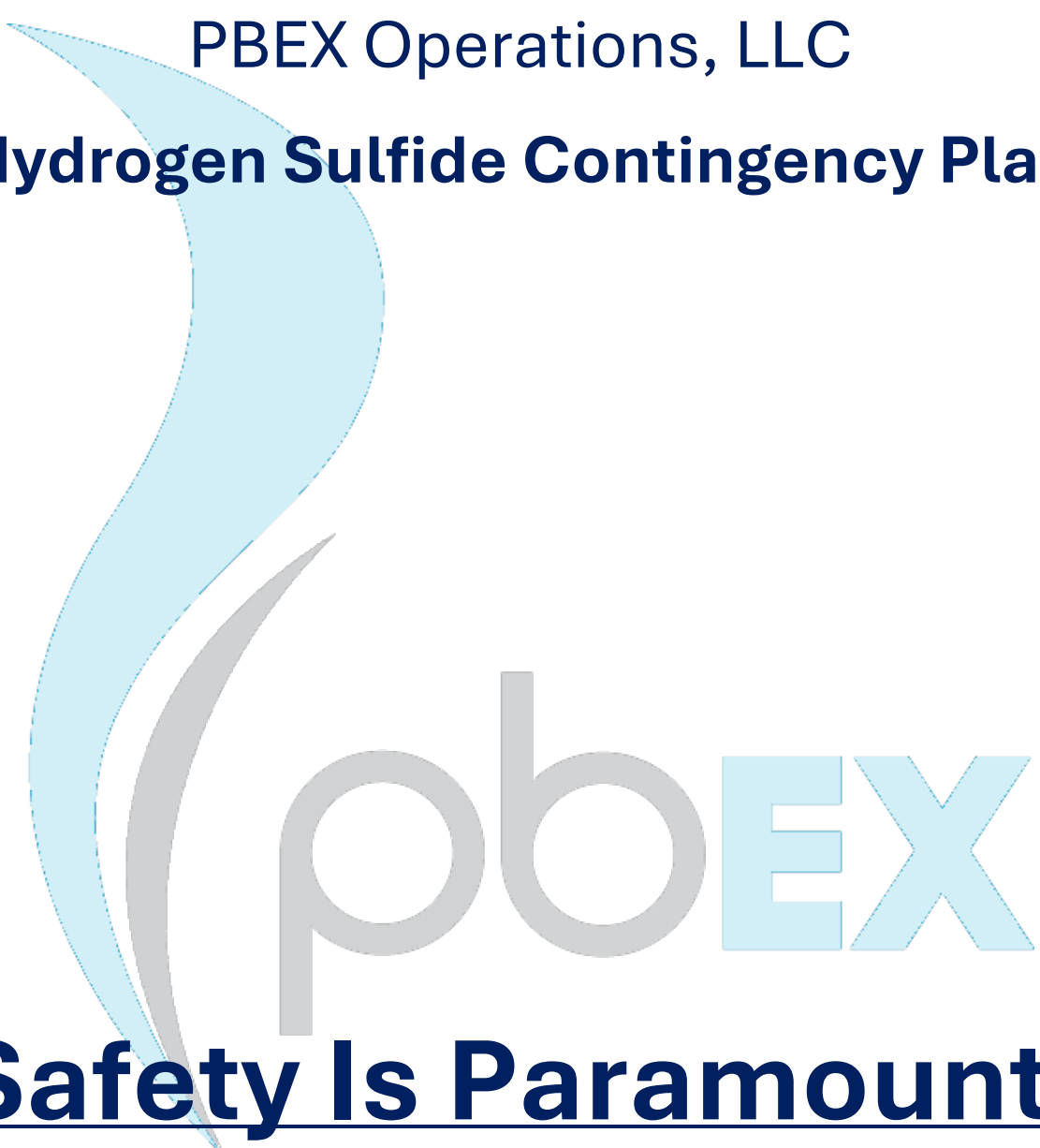
1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection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



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

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2/6/2015



PBEX Operations, LLC

Hydrogen Sulfide Contingency Plan

Safety Is Paramount!

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

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

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1. INTRODUCTION

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

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

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

2. PURPOSE

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

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

In the event there is an accidental H2S release:

- Notify and protect the general public.

- Notify the state and local government agencies.

- Notify the regulatory agencies the OCD, the BLM, the TxRRC.

This is a mandatory notification.

A. OPERATING PROCEDURES

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

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

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

GENERAL:

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

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



B. PROCEDURES TO BE INITIATED PRIOR TO H2S**H2S CONTINGENCY PLAN COMPLIANCE:**

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

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

C. DRILLING BELOW CONTINGENCY PLAN DEPTH

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

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

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

D. PROCEDURES PROGRAM

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

E. GENERAL

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



3. EMERGENCY PHONE NUMBERS

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

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

Emergency Call Guidance

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

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



4. CONDITIONS AND EMERGENCY PROCEDURES

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

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

A. Definition of Operational “Conditions”

CONDITION I	
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.



PBEX

Lea, County NM (NAD 83)

Sec 33-18S

Bond 32-34 m 203H

Wellbore #1

Plan: Plan 1

Standard Planning Rep

23 January, 2025





Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 203H
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 203H	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 203H					
Well Position	+N/-S	0.00 usft	Northing:	621,199.70 usft	Latitude:	32.70654011
	+E/-W	0.00 usft	Easting:	708,631.47 usft	Longitude:	-103.78944597
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,724.00 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	22,748.58	Plan 1 (Wellbore #1)	MWD+IFR1+MS	
				OWSG MWD + IFR1 + Multi-St	



Planning Report



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Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 203H	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	
1,662.98	3.26	332.45	1,662.90	4.11	-2.14	2.00	2.00	0.00	332.45	
7,847.20	3.26	332.45	7,837.10	315.89	-164.77	0.00	0.00	0.00	0.00	
8,010.18	0.00	0.00	8,000.00	320.00	-166.91	2.00	-2.00	0.00	180.00	
8,757.22	0.00	0.00	8,747.04	320.00	-166.91	0.00	0.00	0.00	0.00	
9,657.22	90.00	80.00	9,320.00	419.49	397.34	10.00	10.00	0.00	80.00	
9,717.22	90.00	80.00	9,320.00	429.91	456.43	0.00	0.00	0.00	0.00	
10,208.68	90.00	89.83	9,320.00	473.42	945.36	2.00	0.00	2.00	90.00	
22,659.42	90.00	89.83	9,320.00	510.53	13,396.04	0.00	0.00	0.00	0.00	
22,749.42	90.00	89.83	9,320.00	510.80	13,486.04	0.00	0.00	0.00	0.00	



Planning Report



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Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 203H	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	332.45	1,599.98	1.55	-0.81	-0.81	2.00	2.00	0.00
1,662.98	3.26	332.45	1,662.90	4.11	-2.14	-2.14	2.00	2.00	0.00
Start 6184.21 hold at 1662.98 MD									
1,700.00	3.26	332.45	1,699.85	5.98	-3.12	-3.12	0.00	0.00	0.00
1,800.00	3.26	332.45	1,799.69	11.02	-5.75	-5.75	0.00	0.00	0.00
1,900.00	3.26	332.45	1,899.53	16.06	-8.38	-8.38	0.00	0.00	0.00
2,000.00	3.26	332.45	1,999.37	21.10	-11.01	-11.01	0.00	0.00	0.00
2,100.00	3.26	332.45	2,099.21	26.14	-13.64	-13.64	0.00	0.00	0.00
2,200.00	3.26	332.45	2,199.04	31.18	-16.27	-16.27	0.00	0.00	0.00
2,300.00	3.26	332.45	2,298.88	36.23	-18.89	-18.89	0.00	0.00	0.00
2,400.00	3.26	332.45	2,398.72	41.27	-21.52	-21.52	0.00	0.00	0.00
2,500.00	3.26	332.45	2,498.56	46.31	-24.15	-24.15	0.00	0.00	0.00
2,600.00	3.26	332.45	2,598.40	51.35	-26.78	-26.78	0.00	0.00	0.00
2,700.00	3.26	332.45	2,698.23	56.39	-29.41	-29.41	0.00	0.00	0.00
2,800.00	3.26	332.45	2,798.07	61.43	-32.04	-32.04	0.00	0.00	0.00
2,900.00	3.26	332.45	2,897.91	66.47	-34.67	-34.67	0.00	0.00	0.00
3,000.00	3.26	332.45	2,997.75	71.52	-37.30	-37.30	0.00	0.00	0.00
3,100.00	3.26	332.45	3,097.59	76.56	-39.93	-39.93	0.00	0.00	0.00
3,200.00	3.26	332.45	3,197.43	81.60	-42.56	-42.56	0.00	0.00	0.00
3,300.00	3.26	332.45	3,297.26	86.64	-45.19	-45.19	0.00	0.00	0.00
3,400.00	3.26	332.45	3,397.10	91.68	-47.82	-47.82	0.00	0.00	0.00
3,500.00	3.26	332.45	3,496.94	96.72	-50.45	-50.45	0.00	0.00	0.00
3,600.00	3.26	332.45	3,596.78	101.77	-53.08	-53.08	0.00	0.00	0.00
3,700.00	3.26	332.45	3,696.62	106.81	-55.71	-55.71	0.00	0.00	0.00
3,800.00	3.26	332.45	3,796.45	111.85	-58.34	-58.34	0.00	0.00	0.00
3,900.00	3.26	332.45	3,896.29	116.89	-60.97	-60.97	0.00	0.00	0.00
4,000.00	3.26	332.45	3,996.13	121.93	-63.60	-63.60	0.00	0.00	0.00
4,100.00	3.26	332.45	4,095.97	126.97	-66.23	-66.23	0.00	0.00	0.00
4,200.00	3.26	332.45	4,195.81	132.01	-68.86	-68.86	0.00	0.00	0.00
4,300.00	3.26	332.45	4,295.65	137.06	-71.49	-71.49	0.00	0.00	0.00
4,400.00	3.26	332.45	4,395.48	142.10	-74.12	-74.12	0.00	0.00	0.00
4,500.00	3.26	332.45	4,495.32	147.14	-76.75	-76.75	0.00	0.00	0.00
4,600.00	3.26	332.45	4,595.16	152.18	-79.38	-79.38	0.00	0.00	0.00
4,700.00	3.26	332.45	4,695.00	157.22	-82.01	-82.01	0.00	0.00	0.00
4,800.00	3.26	332.45	4,794.84	162.26	-84.64	-84.64	0.00	0.00	0.00
4,900.00	3.26	332.45	4,894.67	167.31	-87.27	-87.27	0.00	0.00	0.00
5,000.00	3.26	332.45	4,994.51	172.35	-89.90	-89.90	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 203H
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 203H	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	3.26	332.45	5,094.35	177.39	-92.52	-92.52	0.00	0.00	0.00
5,200.00	3.26	332.45	5,194.19	182.43	-95.15	-95.15	0.00	0.00	0.00
5,300.00	3.26	332.45	5,294.03	187.47	-97.78	-97.78	0.00	0.00	0.00
5,400.00	3.26	332.45	5,393.87	192.51	-100.41	-100.41	0.00	0.00	0.00
5,500.00	3.26	332.45	5,493.70	197.56	-103.04	-103.04	0.00	0.00	0.00
5,600.00	3.26	332.45	5,593.54	202.60	-105.67	-105.67	0.00	0.00	0.00
5,700.00	3.26	332.45	5,693.38	207.64	-108.30	-108.30	0.00	0.00	0.00
5,800.00	3.26	332.45	5,793.22	212.68	-110.93	-110.93	0.00	0.00	0.00
5,900.00	3.26	332.45	5,893.06	217.72	-113.56	-113.56	0.00	0.00	0.00
6,000.00	3.26	332.45	5,992.90	222.76	-116.19	-116.19	0.00	0.00	0.00
6,100.00	3.26	332.45	6,092.73	227.80	-118.82	-118.82	0.00	0.00	0.00
6,200.00	3.26	332.45	6,192.57	232.85	-121.45	-121.45	0.00	0.00	0.00
6,300.00	3.26	332.45	6,292.41	237.89	-124.08	-124.08	0.00	0.00	0.00
6,400.00	3.26	332.45	6,392.25	242.93	-126.71	-126.71	0.00	0.00	0.00
6,500.00	3.26	332.45	6,492.09	247.97	-129.34	-129.34	0.00	0.00	0.00
6,600.00	3.26	332.45	6,591.92	253.01	-131.97	-131.97	0.00	0.00	0.00
6,700.00	3.26	332.45	6,691.76	258.05	-134.60	-134.60	0.00	0.00	0.00
6,800.00	3.26	332.45	6,791.60	263.10	-137.23	-137.23	0.00	0.00	0.00
6,900.00	3.26	332.45	6,891.44	268.14	-139.86	-139.86	0.00	0.00	0.00
7,000.00	3.26	332.45	6,991.28	273.18	-142.49	-142.49	0.00	0.00	0.00
7,100.00	3.26	332.45	7,091.12	278.22	-145.12	-145.12	0.00	0.00	0.00
7,200.00	3.26	332.45	7,190.95	283.26	-147.75	-147.75	0.00	0.00	0.00
7,300.00	3.26	332.45	7,290.79	288.30	-150.38	-150.38	0.00	0.00	0.00
7,400.00	3.26	332.45	7,390.63	293.34	-153.01	-153.01	0.00	0.00	0.00
7,500.00	3.26	332.45	7,490.47	298.39	-155.64	-155.64	0.00	0.00	0.00
7,600.00	3.26	332.45	7,590.31	303.43	-158.27	-158.27	0.00	0.00	0.00
7,700.00	3.26	332.45	7,690.14	308.47	-160.90	-160.90	0.00	0.00	0.00
7,800.00	3.26	332.45	7,789.98	313.51	-163.53	-163.53	0.00	0.00	0.00
7,847.20	3.26	332.45	7,837.10	315.89	-164.77	-164.77	0.00	0.00	0.00
Start Drop -2.00									
7,900.00	2.20	332.45	7,889.85	318.12	-165.93	-165.93	2.00	-2.00	0.00
8,000.00	0.20	332.45	7,989.82	319.98	-166.90	-166.90	2.00	-2.00	0.00
8,010.18	0.00	0.00	8,000.00	320.00	-166.91	-166.91	2.00	-2.00	0.00
Start 747.04 hold at 8010.18 MD									
8,100.00	0.00	0.00	8,089.82	320.00	-166.91	-166.91	0.00	0.00	0.00
8,200.00	0.00	0.00	8,189.82	320.00	-166.91	-166.91	0.00	0.00	0.00
8,300.00	0.00	0.00	8,289.82	320.00	-166.91	-166.91	0.00	0.00	0.00
8,400.00	0.00	0.00	8,389.82	320.00	-166.91	-166.91	0.00	0.00	0.00
8,500.00	0.00	0.00	8,489.82	320.00	-166.91	-166.91	0.00	0.00	0.00
8,600.00	0.00	0.00	8,589.82	320.00	-166.91	-166.91	0.00	0.00	0.00
8,700.00	0.00	0.00	8,689.82	320.00	-166.91	-166.91	0.00	0.00	0.00
8,757.22	0.00	0.00	8,747.04	320.00	-166.91	-166.91	0.00	0.00	0.00
Start Build 10.00									
8,800.00	4.28	80.00	8,789.78	320.28	-165.34	-165.34	10.00	10.00	0.00
8,850.00	9.28	80.00	8,839.41	321.30	-159.53	-159.53	10.00	10.00	0.00
8,900.00	14.28	80.00	8,888.35	323.07	-149.48	-149.48	10.00	10.00	0.00
8,950.00	19.28	80.00	8,936.20	325.58	-135.27	-135.27	10.00	10.00	0.00
9,000.00	24.28	80.00	8,982.62	328.80	-117.01	-117.01	10.00	10.00	0.00
9,050.00	29.28	80.00	9,027.24	332.71	-94.83	-94.83	10.00	10.00	0.00
9,100.00	34.28	80.00	9,069.73	337.28	-68.91	-68.91	10.00	10.00	0.00
9,150.00	39.28	80.00	9,109.77	342.48	-39.44	-39.44	10.00	10.00	0.00
9,200.00	44.28	80.00	9,147.04	348.26	-6.64	-6.64	10.00	10.00	0.00
9,250.00	49.28	80.00	9,181.27	354.58	29.23	29.23	10.00	10.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 203H
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 203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,300.00	54.28	80.00	9,212.20	361.40	67.90	67.90	10.00	10.00	0.00	
9,350.00	59.28	80.00	9,239.59	368.66	109.08	109.08	10.00	10.00	0.00	
9,400.00	64.28	80.00	9,263.22	376.31	152.45	152.45	10.00	10.00	0.00	
9,450.00	69.28	80.00	9,282.93	384.29	197.69	197.69	10.00	10.00	0.00	
9,500.00	74.28	80.00	9,298.56	392.53	244.45	244.45	10.00	10.00	0.00	
9,550.00	79.28	80.00	9,309.99	400.98	292.37	292.37	10.00	10.00	0.00	
9,600.00	84.28	80.00	9,317.14	409.57	341.08	341.08	10.00	10.00	0.00	
9,650.00	89.28	80.00	9,319.95	418.24	390.23	390.23	10.00	10.00	0.00	
9,657.22	90.00	80.00	9,320.00	419.49	397.34	397.34	10.00	10.00	0.00	
Start 60.00 hold at 9657.22 MD										
9,700.00	90.00	80.00	9,320.00	426.92	439.47	439.47	0.00	0.00	0.00	
9,717.22	90.00	80.00	9,320.00	429.91	456.43	456.43	0.00	0.00	0.00	
Start DLS 2.00 TFO 90.00										
9,800.00	90.00	81.66	9,320.00	443.11	538.15	538.15	2.00	0.00	2.00	
9,900.00	90.00	83.66	9,320.00	455.89	637.32	637.32	2.00	0.00	2.00	
10,000.00	90.00	85.66	9,320.00	465.20	736.88	736.88	2.00	0.00	2.00	
10,100.00	90.00	87.66	9,320.00	471.04	836.71	836.71	2.00	0.00	2.00	
10,208.68	90.00	89.83	9,320.00	473.42	945.36	945.36	2.00	0.00	2.00	
Start 12450.74 hold at 10208.68 MD										
10,300.00	90.00	89.83	9,320.00	473.69	1,036.68	1,036.68	0.00	0.00	0.00	
10,400.00	90.00	89.83	9,320.00	473.99	1,136.67	1,136.67	0.00	0.00	0.00	
10,500.00	90.00	89.83	9,320.00	474.29	1,236.67	1,236.67	0.00	0.00	0.00	
10,600.00	90.00	89.83	9,320.00	474.59	1,336.67	1,336.67	0.00	0.00	0.00	
10,700.00	90.00	89.83	9,320.00	474.89	1,436.67	1,436.67	0.00	0.00	0.00	
10,800.00	90.00	89.83	9,320.00	475.18	1,536.67	1,536.67	0.00	0.00	0.00	
10,900.00	90.00	89.83	9,320.00	475.48	1,636.67	1,636.67	0.00	0.00	0.00	
11,000.00	90.00	89.83	9,320.00	475.78	1,736.67	1,736.67	0.00	0.00	0.00	
11,100.00	90.00	89.83	9,320.00	476.08	1,836.67	1,836.67	0.00	0.00	0.00	
11,200.00	90.00	89.83	9,320.00	476.38	1,936.67	1,936.67	0.00	0.00	0.00	
11,300.00	90.00	89.83	9,320.00	476.67	2,036.67	2,036.67	0.00	0.00	0.00	
11,400.00	90.00	89.83	9,320.00	476.97	2,136.67	2,136.67	0.00	0.00	0.00	
11,500.00	90.00	89.83	9,320.00	477.27	2,236.67	2,236.67	0.00	0.00	0.00	
11,600.00	90.00	89.83	9,320.00	477.57	2,336.67	2,336.67	0.00	0.00	0.00	
11,700.00	90.00	89.83	9,320.00	477.87	2,436.67	2,436.67	0.00	0.00	0.00	
11,800.00	90.00	89.83	9,320.00	478.16	2,536.67	2,536.67	0.00	0.00	0.00	
11,900.00	90.00	89.83	9,320.00	478.46	2,636.67	2,636.67	0.00	0.00	0.00	
12,000.00	90.00	89.83	9,320.00	478.76	2,736.67	2,736.67	0.00	0.00	0.00	
12,100.00	90.00	89.83	9,320.00	479.06	2,836.67	2,836.67	0.00	0.00	0.00	
12,200.00	90.00	89.83	9,320.00	479.36	2,936.67	2,936.67	0.00	0.00	0.00	
12,300.00	90.00	89.83	9,320.00	479.65	3,036.67	3,036.67	0.00	0.00	0.00	
12,400.00	90.00	89.83	9,320.00	479.95	3,136.67	3,136.67	0.00	0.00	0.00	
12,500.00	90.00	89.83	9,320.00	480.25	3,236.67	3,236.67	0.00	0.00	0.00	
12,600.00	90.00	89.83	9,320.00	480.55	3,336.67	3,336.67	0.00	0.00	0.00	
12,700.00	90.00	89.83	9,320.00	480.85	3,436.66	3,436.66	0.00	0.00	0.00	
12,800.00	90.00	89.83	9,320.00	481.14	3,536.66	3,536.66	0.00	0.00	0.00	
12,900.00	90.00	89.83	9,320.00	481.44	3,636.66	3,636.66	0.00	0.00	0.00	
13,000.00	90.00	89.83	9,320.00	481.74	3,736.66	3,736.66	0.00	0.00	0.00	
13,100.00	90.00	89.83	9,320.00	482.04	3,836.66	3,836.66	0.00	0.00	0.00	
13,200.00	90.00	89.83	9,320.00	482.34	3,936.66	3,936.66	0.00	0.00	0.00	
13,300.00	90.00	89.83	9,320.00	482.64	4,036.66	4,036.66	0.00	0.00	0.00	
13,400.00	90.00	89.83	9,320.00	482.93	4,136.66	4,136.66	0.00	0.00	0.00	
13,500.00	90.00	89.83	9,320.00	483.23	4,236.66	4,236.66	0.00	0.00	0.00	
13,600.00	90.00	89.83	9,320.00	483.53	4,336.66	4,336.66	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 203H
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 203H	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)	
13,700.00	90.00	89.83	9,320.00	483.83	4,436.66	4,436.66	0.00	0.00	0.00	
13,800.00	90.00	89.83	9,320.00	484.13	4,536.66	4,536.66	0.00	0.00	0.00	
13,900.00	90.00	89.83	9,320.00	484.42	4,636.66	4,636.66	0.00	0.00	0.00	
14,000.00	90.00	89.83	9,320.00	484.72	4,736.66	4,736.66	0.00	0.00	0.00	
14,100.00	90.00	89.83	9,320.00	485.02	4,836.66	4,836.66	0.00	0.00	0.00	
14,200.00	90.00	89.83	9,320.00	485.32	4,936.66	4,936.66	0.00	0.00	0.00	
14,300.00	90.00	89.83	9,320.00	485.62	5,036.66	5,036.66	0.00	0.00	0.00	
14,400.00	90.00	89.83	9,320.00	485.91	5,136.66	5,136.66	0.00	0.00	0.00	
14,500.00	90.00	89.83	9,320.00	486.21	5,236.66	5,236.66	0.00	0.00	0.00	
14,600.00	90.00	89.83	9,320.00	486.51	5,336.66	5,336.66	0.00	0.00	0.00	
14,700.00	90.00	89.83	9,320.00	486.81	5,436.66	5,436.66	0.00	0.00	0.00	
14,800.00	90.00	89.83	9,320.00	487.11	5,536.66	5,536.66	0.00	0.00	0.00	
14,900.00	90.00	89.83	9,320.00	487.40	5,636.65	5,636.65	0.00	0.00	0.00	
15,000.00	90.00	89.83	9,320.00	487.70	5,736.65	5,736.65	0.00	0.00	0.00	
15,100.00	90.00	89.83	9,320.00	488.00	5,836.65	5,836.65	0.00	0.00	0.00	
15,200.00	90.00	89.83	9,320.00	488.30	5,936.65	5,936.65	0.00	0.00	0.00	
15,300.00	90.00	89.83	9,320.00	488.60	6,036.65	6,036.65	0.00	0.00	0.00	
15,400.00	90.00	89.83	9,320.00	488.89	6,136.65	6,136.65	0.00	0.00	0.00	
15,500.00	90.00	89.83	9,320.00	489.19	6,236.65	6,236.65	0.00	0.00	0.00	
15,600.00	90.00	89.83	9,320.00	489.49	6,336.65	6,336.65	0.00	0.00	0.00	
15,700.00	90.00	89.83	9,320.00	489.79	6,436.65	6,436.65	0.00	0.00	0.00	
15,800.00	90.00	89.83	9,320.00	490.09	6,536.65	6,536.65	0.00	0.00	0.00	
15,900.00	90.00	89.83	9,320.00	490.38	6,636.65	6,636.65	0.00	0.00	0.00	
16,000.00	90.00	89.83	9,320.00	490.68	6,736.65	6,736.65	0.00	0.00	0.00	
16,100.00	90.00	89.83	9,320.00	490.98	6,836.65	6,836.65	0.00	0.00	0.00	
16,200.00	90.00	89.83	9,320.00	491.28	6,936.65	6,936.65	0.00	0.00	0.00	
16,300.00	90.00	89.83	9,320.00	491.58	7,036.65	7,036.65	0.00	0.00	0.00	
16,400.00	90.00	89.83	9,320.00	491.87	7,136.65	7,136.65	0.00	0.00	0.00	
16,500.00	90.00	89.83	9,320.00	492.17	7,236.65	7,236.65	0.00	0.00	0.00	
16,600.00	90.00	89.83	9,320.00	492.47	7,336.65	7,336.65	0.00	0.00	0.00	
16,700.00	90.00	89.83	9,320.00	492.77	7,436.65	7,436.65	0.00	0.00	0.00	
16,800.00	90.00	89.83	9,320.00	493.07	7,536.65	7,536.65	0.00	0.00	0.00	
16,900.00	90.00	89.83	9,320.00	493.36	7,636.65	7,636.65	0.00	0.00	0.00	
17,000.00	90.00	89.83	9,320.00	493.66	7,736.65	7,736.65	0.00	0.00	0.00	
17,100.00	90.00	89.83	9,320.00	493.96	7,836.65	7,836.65	0.00	0.00	0.00	
17,200.00	90.00	89.83	9,320.00	494.26	7,936.64	7,936.64	0.00	0.00	0.00	
17,300.00	90.00	89.83	9,320.00	494.56	8,036.64	8,036.64	0.00	0.00	0.00	
17,400.00	90.00	89.83	9,320.00	494.85	8,136.64	8,136.64	0.00	0.00	0.00	
17,500.00	90.00	89.83	9,320.00	495.15	8,236.64	8,236.64	0.00	0.00	0.00	
17,600.00	90.00	89.83	9,320.00	495.45	8,336.64	8,336.64	0.00	0.00	0.00	
17,700.00	90.00	89.83	9,320.00	495.75	8,436.64	8,436.64	0.00	0.00	0.00	
17,800.00	90.00	89.83	9,320.00	496.05	8,536.64	8,536.64	0.00	0.00	0.00	
17,900.00	90.00	89.83	9,320.00	496.35	8,636.64	8,636.64	0.00	0.00	0.00	
18,000.00	90.00	89.83	9,320.00	496.64	8,736.64	8,736.64	0.00	0.00	0.00	
18,100.00	90.00	89.83	9,320.00	496.94	8,836.64	8,836.64	0.00	0.00	0.00	
18,200.00	90.00	89.83	9,320.00	497.24	8,936.64	8,936.64	0.00	0.00	0.00	
18,300.00	90.00	89.83	9,320.00	497.54	9,036.64	9,036.64	0.00	0.00	0.00	
18,400.00	90.00	89.83	9,320.00	497.84	9,136.64	9,136.64	0.00	0.00	0.00	
18,500.00	90.00	89.83	9,320.00	498.13	9,236.64	9,236.64	0.00	0.00	0.00	
18,600.00	90.00	89.83	9,320.00	498.43	9,336.64	9,336.64	0.00	0.00	0.00	
18,700.00	90.00	89.83	9,320.00	498.73	9,436.64	9,436.64	0.00	0.00	0.00	
18,800.00	90.00	89.83	9,320.00	499.03	9,536.64	9,536.64	0.00	0.00	0.00	
18,900.00	90.00	89.83	9,320.00	499.33	9,636.64	9,636.64	0.00	0.00	0.00	
19,000.00	90.00	89.83	9,320.00	499.62	9,736.64	9,736.64	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 203H
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 203H	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)
19,100.00	90.00	89.83	9,320.00	499.92	9,836.64	9,836.64	0.00	0.00	0.00
19,200.00	90.00	89.83	9,320.00	500.22	9,936.64	9,936.64	0.00	0.00	0.00
19,300.00	90.00	89.83	9,320.00	500.52	10,036.64	10,036.64	0.00	0.00	0.00
19,400.00	90.00	89.83	9,320.00	500.82	10,136.64	10,136.64	0.00	0.00	0.00
19,500.00	90.00	89.83	9,320.00	501.11	10,236.63	10,236.63	0.00	0.00	0.00
19,600.00	90.00	89.83	9,320.00	501.41	10,336.63	10,336.63	0.00	0.00	0.00
19,700.00	90.00	89.83	9,320.00	501.71	10,436.63	10,436.63	0.00	0.00	0.00
19,800.00	90.00	89.83	9,320.00	502.01	10,536.63	10,536.63	0.00	0.00	0.00
19,900.00	90.00	89.83	9,320.00	502.31	10,636.63	10,636.63	0.00	0.00	0.00
20,000.00	90.00	89.83	9,320.00	502.60	10,736.63	10,736.63	0.00	0.00	0.00
20,100.00	90.00	89.83	9,320.00	502.90	10,836.63	10,836.63	0.00	0.00	0.00
20,200.00	90.00	89.83	9,320.00	503.20	10,936.63	10,936.63	0.00	0.00	0.00
20,300.00	90.00	89.83	9,320.00	503.50	11,036.63	11,036.63	0.00	0.00	0.00
20,400.00	90.00	89.83	9,320.00	503.80	11,136.63	11,136.63	0.00	0.00	0.00
20,500.00	90.00	89.83	9,320.00	504.09	11,236.63	11,236.63	0.00	0.00	0.00
20,600.00	90.00	89.83	9,320.00	504.39	11,336.63	11,336.63	0.00	0.00	0.00
20,700.00	90.00	89.83	9,320.00	504.69	11,436.63	11,436.63	0.00	0.00	0.00
20,800.00	90.00	89.83	9,320.00	504.99	11,536.63	11,536.63	0.00	0.00	0.00
20,900.00	90.00	89.83	9,320.00	505.29	11,636.63	11,636.63	0.00	0.00	0.00
21,000.00	90.00	89.83	9,320.00	505.58	11,736.63	11,736.63	0.00	0.00	0.00
21,100.00	90.00	89.83	9,320.00	505.88	11,836.63	11,836.63	0.00	0.00	0.00
21,200.00	90.00	89.83	9,320.00	506.18	11,936.63	11,936.63	0.00	0.00	0.00
21,300.00	90.00	89.83	9,320.00	506.48	12,036.63	12,036.63	0.00	0.00	0.00
21,400.00	90.00	89.83	9,320.00	506.78	12,136.63	12,136.63	0.00	0.00	0.00
21,500.00	90.00	89.83	9,320.00	507.07	12,236.63	12,236.63	0.00	0.00	0.00
21,600.00	90.00	89.83	9,320.00	507.37	12,336.63	12,336.63	0.00	0.00	0.00
21,700.00	90.00	89.83	9,320.00	507.67	12,436.62	12,436.62	0.00	0.00	0.00
21,800.00	90.00	89.83	9,320.00	507.97	12,536.62	12,536.62	0.00	0.00	0.00
21,900.00	90.00	89.83	9,320.00	508.27	12,636.62	12,636.62	0.00	0.00	0.00
22,000.00	90.00	89.83	9,320.00	508.56	12,736.62	12,736.62	0.00	0.00	0.00
22,100.00	90.00	89.83	9,320.00	508.86	12,836.62	12,836.62	0.00	0.00	0.00
22,200.00	90.00	89.83	9,320.00	509.16	12,936.62	12,936.62	0.00	0.00	0.00
22,300.00	90.00	89.83	9,320.00	509.46	13,036.62	13,036.62	0.00	0.00	0.00
22,400.00	90.00	89.83	9,320.00	509.76	13,136.62	13,136.62	0.00	0.00	0.00
22,500.00	90.00	89.83	9,320.00	510.05	13,236.62	13,236.62	0.00	0.00	0.00
22,600.00	90.00	89.83	9,320.00	510.35	13,336.62	13,336.62	0.00	0.00	0.00
22,659.42	90.00	89.83	9,320.00	510.53	13,396.04	13,396.04	0.00	0.00	0.00
Start 90.00 hold at 22659.42 MD									
22,700.00	90.00	89.83	9,320.00	510.65	13,436.62	13,436.62	0.00	0.00	0.00
22,749.42	90.00	89.83	9,320.00	510.80	13,486.04	13,486.04	0.00	0.00	0.00
TD at 22749.42									



Planning Report



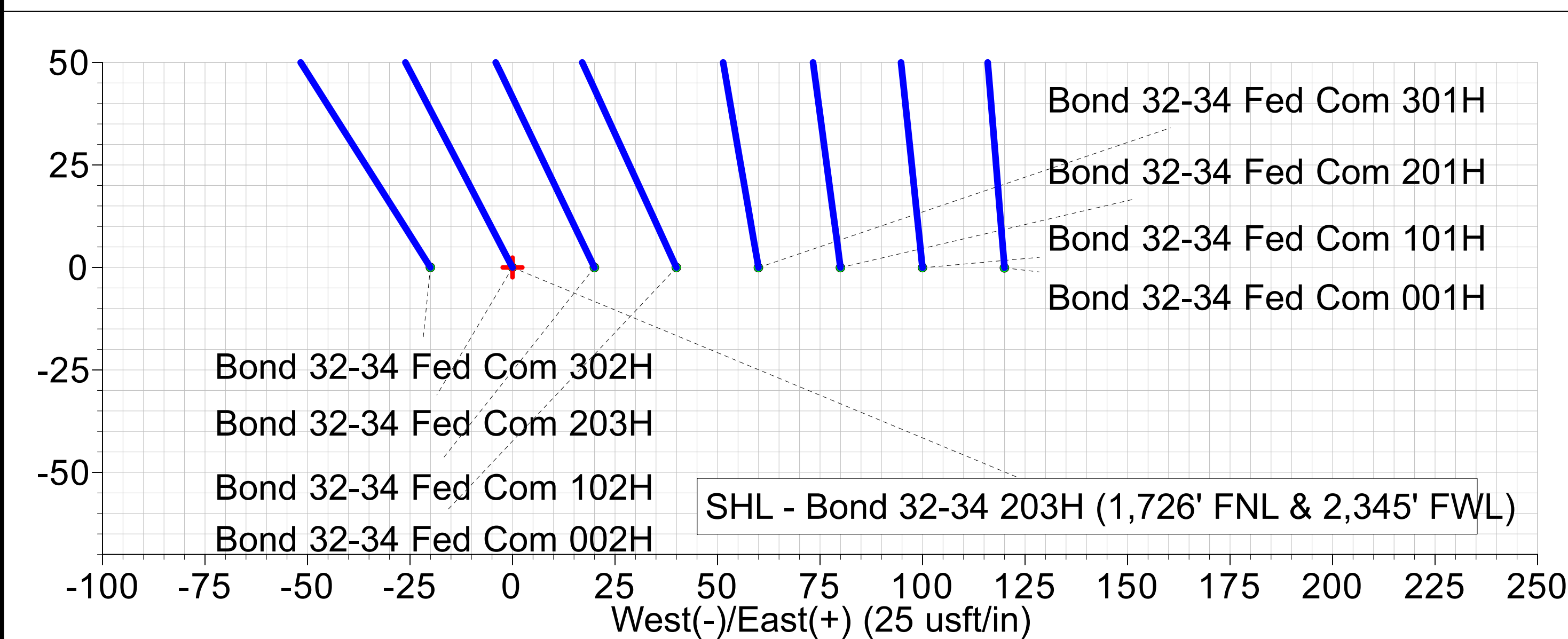
Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 203H
Company:	PBEX	TVD Reference:	GL 3694' + KB 30' @ 3724.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3694' + KB 30' @ 3724.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 203H	Survey 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 203H - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	621,199.70	708,631.47	32.70654011	-103.78944597
KOP - Bond 32-34 203H - plan hits target center - Point	0.00	0.00	8,747.04	320.00	-166.91	621,519.70	708,464.56	32.70742200	-103.78998326
FTP - Bond 32-34 203H - plan misses target center by 52.24usft at 9666.43usft MD (9320.00 TVD, 421.09 N, 406.41 E) - Point	0.00	0.00	9,320.00	472.54	397.34	621,672.24	709,028.81	32.70783331	-103.78814634
PP2 - Bond 32-34 203H - plan misses target center by 0.07usft at 12200.67usft MD (9320.00 TVD, 479.36 N, 2937.34 E) - Point	0.00	0.00	9,320.00	479.43	2,937.34	621,679.13	711,568.81	32.70781608	-103.77988867
BHL - Bond 32-34 203H - plan misses target center by 0.05usft at 22749.42usft MD (9320.00 TVD, 510.80 N, 13486.04 E) - Point	0.00	0.00	9,320.00	510.85	13,486.04	621,710.55	722,117.51	32.70774641	-103.74559439
PP4 - Bond 32-34 203H - plan misses target center by 2.01usft at 17476.10usft MD (9320.00 TVD, 495.08 N, 8212.74 E) - Point	0.00	0.00	9,320.00	493.07	8,212.75	621,692.77	716,844.22	32.70777671	-103.76273809
LTP - Bond 32-34 203H - plan hits target center - Point	0.00	0.00	9,320.00	510.53	13,396.04	621,710.23	722,027.51	32.70774690	-103.74588698
PP3 - Bond 32-34 203H - plan misses target center by 0.98usft at 14836.78usft MD (9320.00 TVD, 487.22 N, 5573.44 E) - Point	0.00	0.00	9,320.00	486.24	5,573.44	621,685.94	714,204.91	32.70779669	-103.77131859

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
22,757.97		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
1,662.98	1,662.90	4.11	-2.14	Start 6184.21 hold at 1662.98 MD
7,847.20	7,837.10	315.89	-164.77	Start Drop -2.00
8,010.18	8,000.00	320.00	-166.91	Start 747.04 hold at 8010.18 MD
8,757.22	8,747.04	320.00	-166.91	Start Build 10.00
9,657.22	9,320.00	419.49	397.34	Start 60.00 hold at 9657.22 MD
9,717.22	9,320.00	429.91	456.43	Start DLS 2.00 TFO 90.00
10,208.68	9,320.00	473.42	945.36	Start 12450.74 hold at 10208.68 MD
22,659.42	9,320.00	510.53	13,396.04	Start 90.00 hold at 22659.42 MD
22,749.42	9,320.00	510.80	13,486.04	TD at 22749.42

Bond 32-34 Fed Com 203H

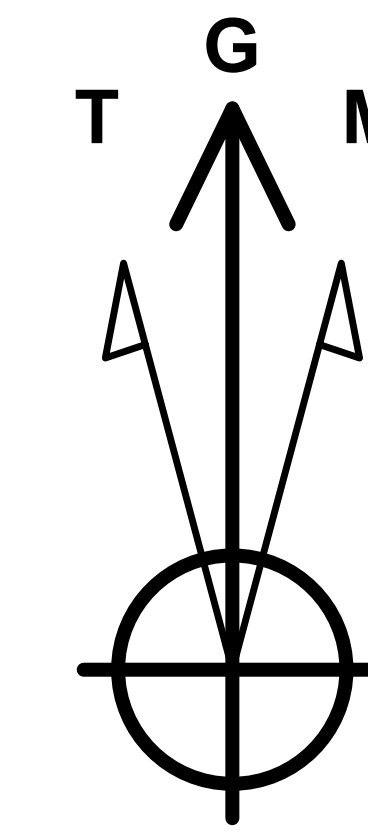


WELL DETAILS: Bond 32-34 Fed Com 203H Plan 1

		GL Elev (ft): 3694.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	621199.70	708631.47	32.70654011	-103.78944597

SECTION DETAILS

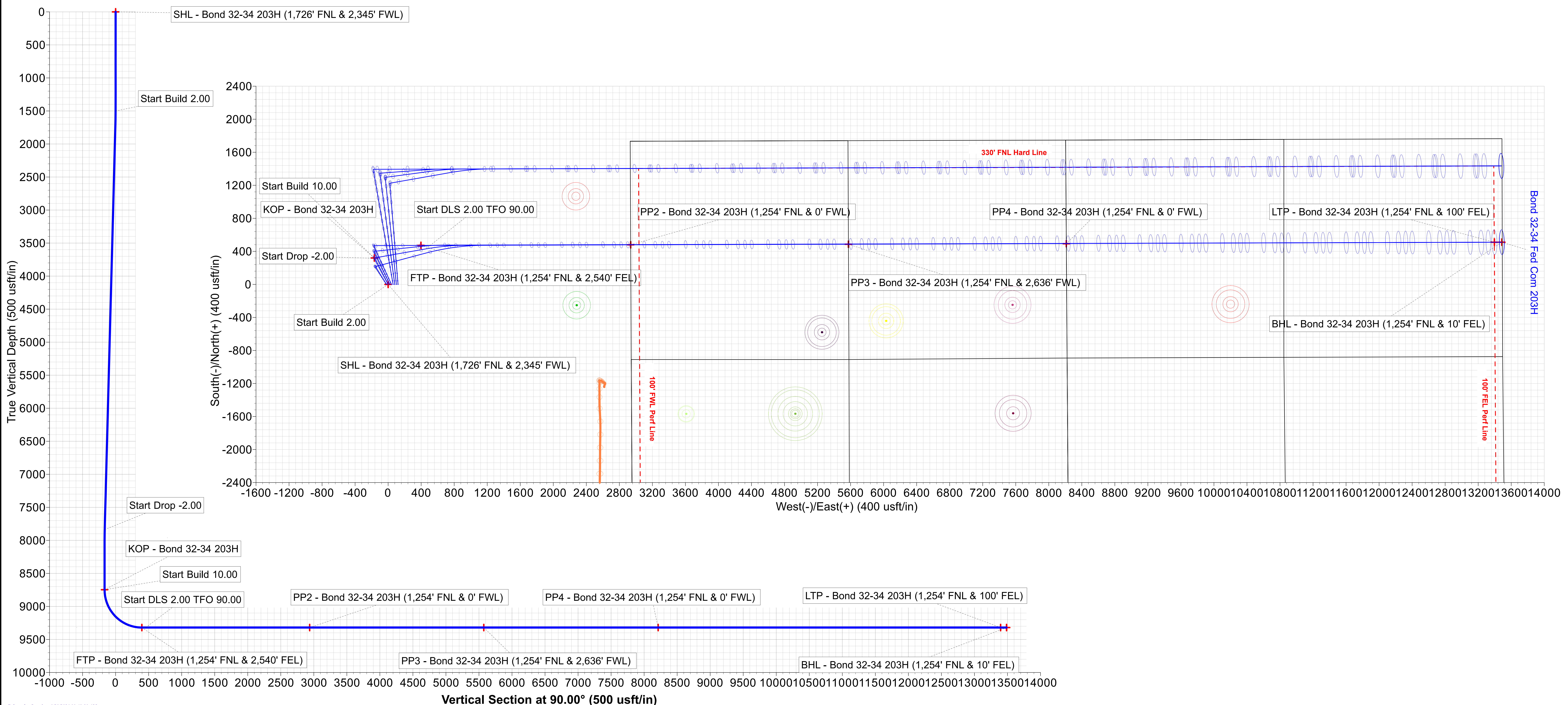
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
1662.98	3.26	332.45	1662.90	4.11	-2.14	2.00	332.45	-2.14	Start 6184.21 hold at 1662.98 MD
7847.20	3.26	332.45	7837.10	315.89	-164.77	0.00	0.00	-164.77	Start Drop -2.00
8010.18	0.00	0.00	8000.00	320.00	-166.91	2.00	180.00	-166.91	Start 747.04 hold at 8010.18 MD
8757.22	0.00	0.00	8747.04	320.00	-166.91	0.00	0.00	-166.91	Start Build 10.00
9657.22	90.00	80.00	9320.00	419.49	397.34	10.00	80.00	397.34	Start 60.00 hold at 9657.22 MD
9717.22	90.00	80.00	9320.00	429.91	456.43	0.00	0.00	456.43	Start DLS 2.00 TFO 90.00
10208.68	90.00	89.83	9320.00	473.42	945.36	2.00	90.00	945.36	Start 12450.74 hold at 10208.68 MD
22659.42	90.00	89.83	9320.00	510.53	13396.04	0.00	0.00	13396.04	Start 90.00 hold at 22659.42 MD
22749.42	90.00	89.83	9320.00	510.80	13486.04	0.00	0.00	13486.04	TD at 22749.42



Azimuths to Grid North
True North: -0.29°
Magnetic North: 6.29°
Magnetic Field

Strength: 47436.4nT
Dip Angle: 60.40°
Date: 1/23/2025
Model: BGGM CURRENT

Project: Lea, County NM (NAD 83)
Site: Sec 33-18S-32E
Well: Bond 32-34 Fed Com 203H
Wellbore: Wellbore #1
Design: Plan 1





LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTYT/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

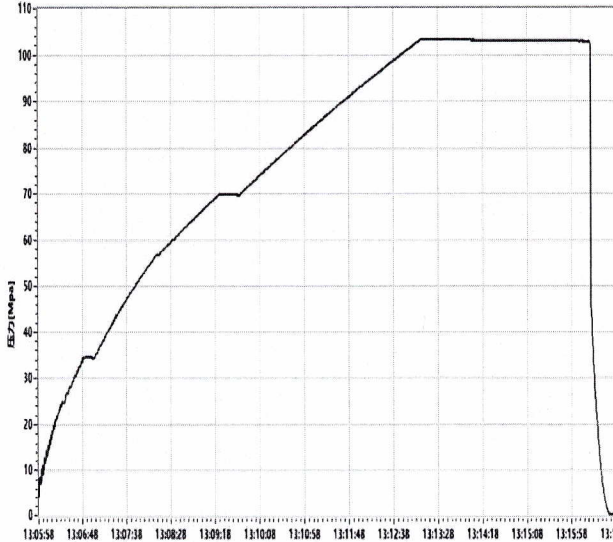
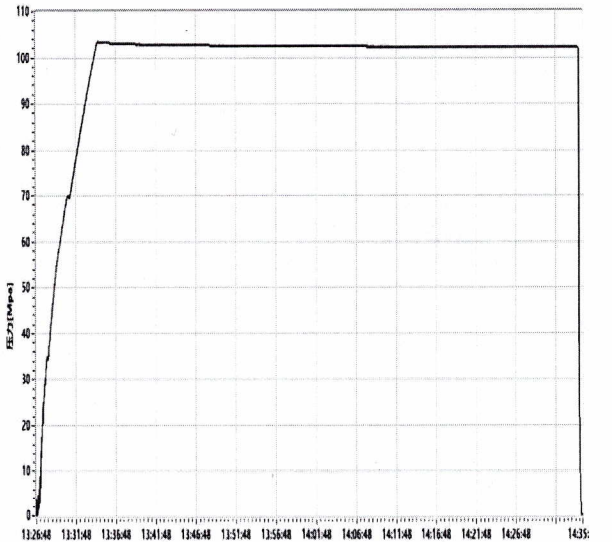


LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

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	Zhangsheng Wang		

**LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD****CERTIFICATE OF CONFORMANCE****No:LT230422014**

Product Name: Choke And Kill Hose

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

Serial Number: 7660103~7660110

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

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

QC Manager:

Jiaolong Chen

Date:April 22, 2023

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

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

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

If Other, please describe: _____

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

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

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

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

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

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

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

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

Section 2 – Enhanced Plan **EFFECTIVE APRIL 1, 2022**

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

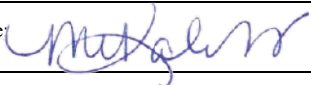
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

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

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

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

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

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

NATURAL GAS MANAGEMENT PLAN

PBEX Operations, LLC

VI. Separation Equipment:

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

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

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

2. During Drilling Operations:

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

3. During Completions:

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

4. During Production:

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

NATURAL GAS MANAGEMEN PLAN

PBEX Operations, LLC

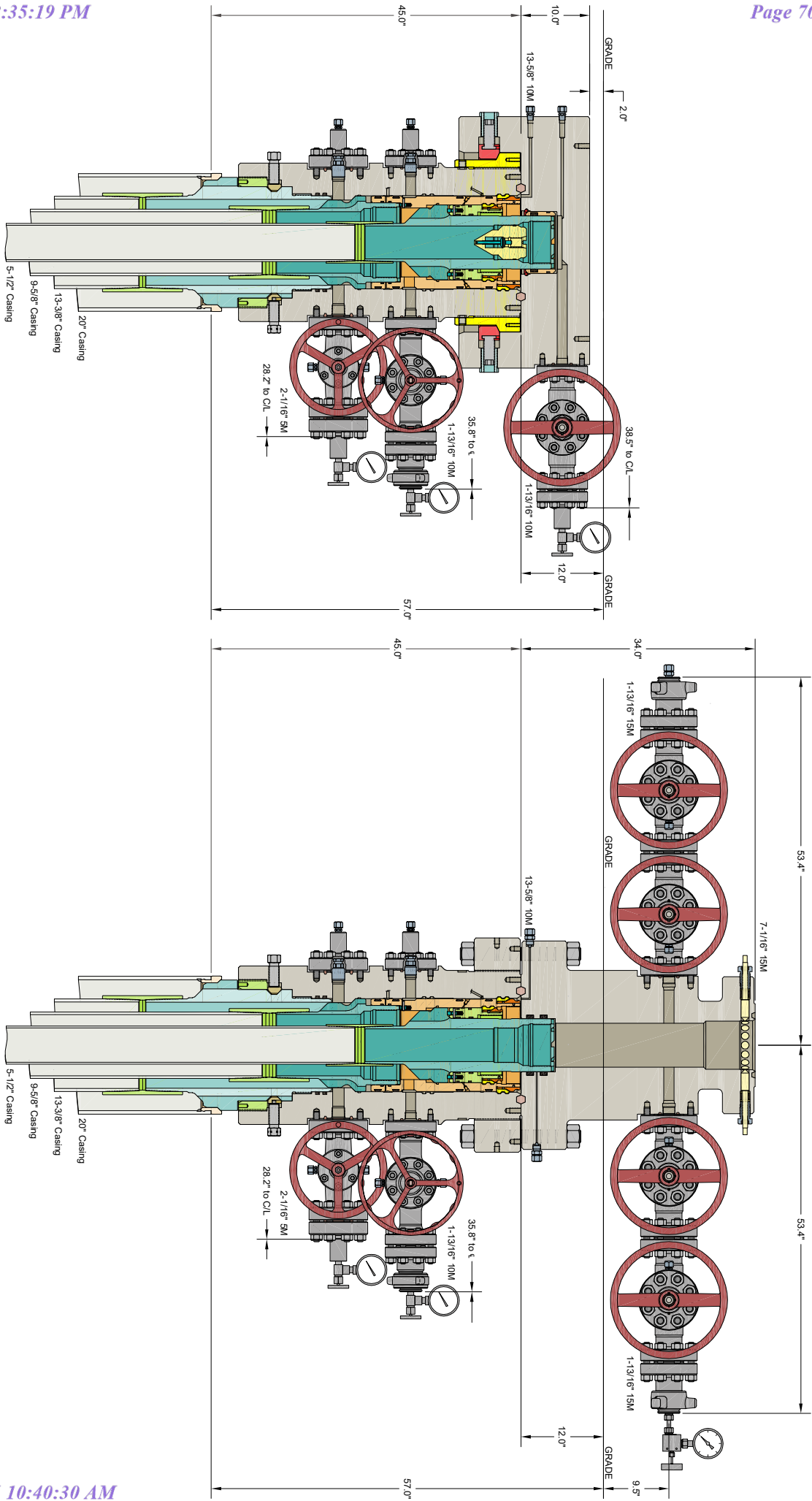
- PBEX's design for new facilities utilizes air-activated pneumatic controllers and pumps.
- If natural gas does not meet pipeline quality specifications, the gas is sampled twice per week until the gas meets the specifications.
- PBEX does not produce oil or gas until all flowlines, tank batteries,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

5. Performance Standards

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

6. Measurement or Estimation of Vented and Flared Natural Gas

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



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FROM HBE1335

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

PBEX OPERATIONS LLC
NEW MEXICO

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

DRAWN	DLE	12FEB25
APPRV		
DRAWING NO.	SDT-5235	

LSE_NAME	ProdDate	Proj Oil	Proj Gas	Proj NGL	Proj Water
2BSS TIER 1	Month 1	12489	16290	88942	42534
2BSS TIER 1	Month 2	35620	52520	286760	78313
2BSS TIER 1	Month 3	30603	50007	273041	61615
2BSS TIER 1	Month 4	26796	47121	257281	53824
2BSS TIER 1	Month 5	22539	41935	228965	45199
2BSS TIER 1	Month 6	20632	40135	219139	41323
2BSS TIER 1	Month 7	18508	37354	203950	37033
2BSS TIER 1	Month 8	16279	33855	184848	32547
2BSS TIER 1	Month 9	15429	32910	179690	30830
2BSS TIER 1	Month 10	13798	30076	164212	27557
2BSS TIER 1	Month 11	13260	29449	160790	26471
2BSS TIER 1	Month 12	12385	27966	152695	24714
2BSS TIER 1	Month 13	10529	24109	131637	21003
2BSS TIER 1	Month 14	11015	25537	139430	21966
2BSS TIER 1	Month 15	10087	23657	129168	20111
2BSS TIER 1	Month 16	9895	23449	128031	19724
2BSS TIER 1	Month 17	9116	21807	119064	18168
2BSS TIER 1	Month 18	8991	21690	118429	17915
2BSS TIER 1	Month 19	8594	20898	114104	17122
2BSS TIER 1	Month 20	7973	19525	106607	15881
2BSS TIER 1	Month 21	7912	19504	106493	15759
2BSS TIER 1	Month 22	7366	18269	99748	14670
2BSS TIER 1	Month 23	7335	18292	99876	14605
2BSS TIER 1	Month 24	7074	17735	96833	14084
2BSS TIER 1	Month 25	6181	15568	85003	12304
2BSS TIER 1	Month 26	6627	16767	91547	13193
2BSS TIER 1	Month 27	6212	15782	86171	12364
2BSS TIER 1	Month 28	6224	15876	86681	12387
2BSS TIER 1	Month 29	5846	14967	81722	11634
2BSS TIER 1	Month 30	5869	15079	82329	11679
2BSS TIER 1	Month 31	5704	14705	80288	11350
2BSS TIER 1	Month 32	5372	13892	75853	10689
2BSS TIER 1	Month 33	5407	14023	76567	10757
2BSS TIER 1	Month 34	5100	13265	72424	10146
2BSS TIER 1	Month 35	5140	13405	73191	10226
2BSS TIER 1	Month 36	5015	13112	71591	9976
2BSS TIER 1	Month 37	4584	12013	65589	9118
2BSS TIER 1	Month 38	4790	12582	68696	9528

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 30-025-55820	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #303H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,693'
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 1,593' FNL	Ft. from E/W 2,224' FWL	Latitude 32.706905°	Longitude -103.789841°	County LEA
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Bottom Hole Location

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 50' FEL	Latitude 32.709379°	Longitude -103.745726°	County LEA
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Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API 30-025-55689	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 1,593' FNL	Ft. from E/W 2,224' FWL	Latitude 32.706905°	Longitude -103.789841°	County LEA
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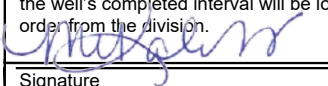
First Take Point (FTP)

UL B	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 2,540' FEL	Latitude 32.709466°	Longitude -103.788146°	County LEA
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Last Take Point (LTP)

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 100' FEL	Latitude 32.709380°	Longitude -103.745889°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,693
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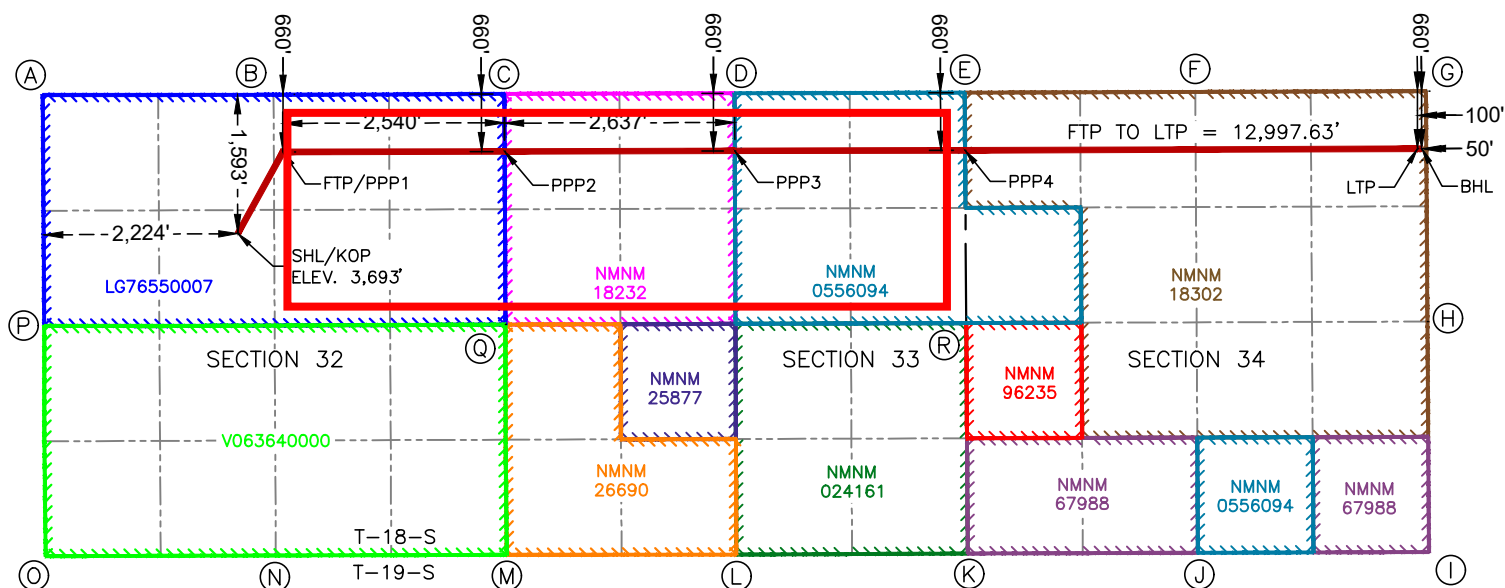
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  11/30/25		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date: 11/26/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/26/2025
Email Address		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 #303H

SURFACE HOLE LOCATION
& KICK-OFF POINT
1,593' FNL & 2,224' FWL
ELEV. = 3,693'

NAD 83 X = 708,509.25'
NAD 83 Y = 621,331.79'
NAD 83 LAT = 32.706905°
NAD 83 LONG = -103.789841°

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

NAD 83 X = 709,026.01'
NAD 83 Y = 622,266.23'
NAD 83 LAT = 32.709466°
NAD 83 LONG = -103.788146°

PENETRATION POINT 2
660' FNL & 0' FWL

NAD 83 X = 711,566.01'
NAD 83 Y = 622,273.12'
NAD 83 LAT = 32.709449°
NAD 83 LONG = -103.779888°

PENETRATION POINT 3
660' FNL & 2,637' FWL

NAD 83 X = 714,202.61'
NAD 83 Y = 622,279.79'
NAD 83 LAT = 32.709429°
NAD 83 LONG = -103.771316°

PENETRATION POINT 4
660' FNL & 0' FWL
NAD 83 X = 716,840.19'
NAD 83 Y = 622,286.76'
NAD 83 LAT = 32.709409°
NAD 83 LONG = -103.762741°

LAST TAKE POINT
660' FNL & 100' FEL
NAD 83 X = 722,023.58'
NAD 83 Y = 622,304.22'
NAD 83 LAT = 32.709380°
NAD 83 LONG = -103.745889°

BOTTOM HOLE LOCATION
660' FNL & 50' FEL
NAD 83 X = 722,073.58'
NAD 83 Y = 622,304.40'
NAD 83 LAT = 32.709379°
NAD 83 LONG = -103.745726°

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 30-025-55820	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #303H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,693'
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 1,593' FNL	Ft. from E/W 2,224' FWL	Latitude 32.706905°	Longitude -103.789841°	County LEA
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Bottom Hole Location

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 50' FEL	Latitude 32.709379°	Longitude -103.745726°	County LEA
----------------	----------------------	------------------------	---------------------	-----	---------------------------------	--------------------------------	-------------------------------	----------------------------------	----------------------

Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API 30-025-55689	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 1,593' FNL	Ft. from E/W 2,224' FWL	Latitude 32.706905°	Longitude -103.789841°	County LEA
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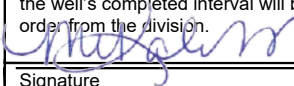
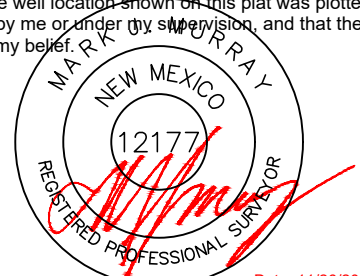
First Take Point (FTP)

UL B	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 2,540' FEL	Latitude 32.709466°	Longitude -103.788146°	County LEA
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Last Take Point (LTP)

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 100' FEL	Latitude 32.709380°	Longitude -103.745889°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,693
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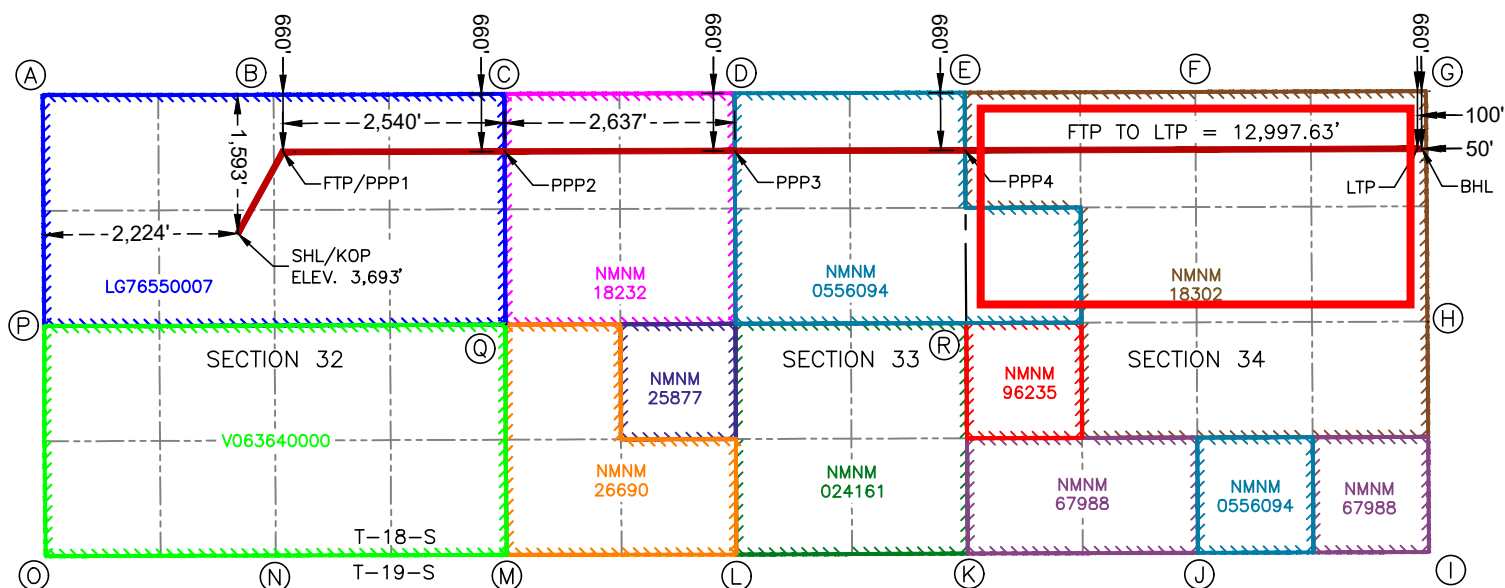
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  11/30/25		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date: 11/26/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/26/2025
Email Address		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 #303H

SURFACE HOLE LOCATION
& KICK-OFF POINT
1,593' FNL & 2,224' FWL
ELEV. = 3,693'

NAD 83 X = 708,509.25'
NAD 83 Y = 621,331.79'
NAD 83 LAT = 32.706905°
NAD 83 LONG = -103.789841°

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

NAD 83 X = 709,026.01'
NAD 83 Y = 622,266.23'
NAD 83 LAT = 32.709466°
NAD 83 LONG = -103.788146°

PENETRATION POINT 2
660' FNL & 0' FWL

NAD 83 X = 711,566.01'
NAD 83 Y = 622,273.12'
NAD 83 LAT = 32.709449°
NAD 83 LONG = -103.779888°

PENETRATION POINT 3
660' FNL & 2,637' FWL

NAD 83 X = 714,202.61'
NAD 83 Y = 622,279.79'
NAD 83 LAT = 32.709429°
NAD 83 LONG = -103.771316°

PENETRATION POINT 4
660' FNL & 0' FWL
NAD 83 X = 716,840.19'
NAD 83 Y = 622,286.76'
NAD 83 LAT = 32.709409°
NAD 83 LONG = -103.762741°

LAST TAKE POINT
660' FNL & 100' FEL
NAD 83 X = 722,023.58'
NAD 83 Y = 622,304.40'
NAD 83 LAT = 32.709380°
NAD 83 LONG = -103.745889°

BOTTOM HOLE LOCATION
660' FNL & 50' FEL
NAD 83 X = 722,073.58'
NAD 83 Y = 622,304.40'
NAD 83 LAT = 32.709379°
NAD 83 LONG = -103.745726°

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 / 32.70654 / -103.789446	County or Parish/State: LEA / NM
Well Number: 203H	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: 2887057

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 12/15/2025	Time Sundry Submitted: 03:42
Date proposed operation will begin: 12/14/2025	

Procedure Description: AFMSS APD Number: 10400103831 PBEX Operations, LLC requests the following: Well name change: Original: Bond 32-34 Fed Com 203H New: Bond 32-34 Fed Com 303H Target zone change: Original: BS2Carb New: 2BSS Casing/Cement/Mud change shown on attachment. SHL, BHL, lateral move shown on attachment.

NOI Attachments

Procedure Description

- PPP_Change_Bond_203H__303H_20251222105244.pdf
- Bond_32_34_Fed_Com_203H____303H_20251222105239.pdf
- 24_041778_BOND_32_34_FED_COM__303H_C102_Add_Pool_20251222105236.pdf
- 24_041778_BOND_32_34_FED_COM__303H_C102_20251222105230.pdf
- 5.5_20.00__0.361__P110_RY_92.5_RBW_USS_FREEDOM_HTQ_Data_Sheet_03_14_24_20251215154127.pdf
- Plan_1_WM__01__Bond_32_34_FED_COM__303H_20251215154106.pdf
- Plan_1_AC__01__Bond_32_34_FED_COM__303H_20251215154040.pdf
- Plan_1__01__Bond_32_34_FED_COM__303H_20251215153948.pdf

Well Number: 203H

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_2887057_Bond_32_34_Fed_Com_303H_Lea_NM18232_PBEX_Operations_LLC_13_22h_11_14_2024_LV_20260107134803.pdf

Bond_32_34_Fed_Com_303H_Dr_COA_20260107134803.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 22, 2025 10:52 AM

Name: PBEX OPERATIONS LLC

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLANDState: 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: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 01/07/2026

Signature: Chris Walls

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.
30-025-55820

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 recompleate 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 / 2345 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.70654 / LONG: -103.789446 (TVD: 0 feet, MD: 0 feet)

PPP: NWNE / 1254 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.707833 / LONG: -103.788146 (TVD: 9320 feet, MD: 9666 feet)

PPP: NWNW / 1254 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7078158 / LONG: -103.7798887 (TVD: 9320 feet, MD: 12201 feet)

PPP: NWNW / 1254 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7077822 / LONG: -103.7627381 (TVD: 9320 feet, MD: 17476 feet)

PPP: NWNE / 1254 FNL / 2636 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7077993 / LONG: -103.7713186 (TVD: 9320 feet, MD: 14837 feet)

BHL: NENE / 1254 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.707746 / LONG: -103.745594 (TVD: 9320 feet, MD: 22749 feet)

CONFIDENTIAL

32-18-32-F Sundry ID 2887057 Bond 32-34 Fed Com 303H Lea NM18232 PBEX Operations LLC 13-22h 11-14-2024 LV.xlsm

Bond 32-34 Fed Com 303H

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	0.93	4.41	66,109
"B"						btc				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,382														
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	2928	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.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	2.42	0.84	0.87	9,450	1	1.32	1.44	378,000
"B"									0			0	
w/8.4#/g mud, 30min Sfc Csg Test psig: -99									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 Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg				
12 1/4	0.3132	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		
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	23,793	2	3.06	2.54	475,860
"B"								0				0
"C"								0				0
"D"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,239								Totals:	23,793			475,860
The cement volume(s) are intended to achieve a top of								9250	ft from surface or a	200		overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg
8 3/4	0.2526	3845	5287	3675	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	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
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 303H
ATS/API ID:	ATS-25-1258
APD ID:	10400103831
Sundry ID:	2887057

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.

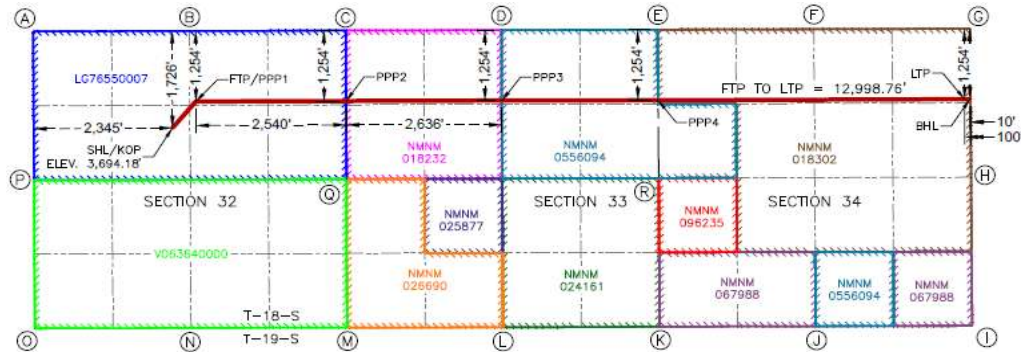
Long Vo (LVO) 1/7/2026

PPP Changes

Original- Grey

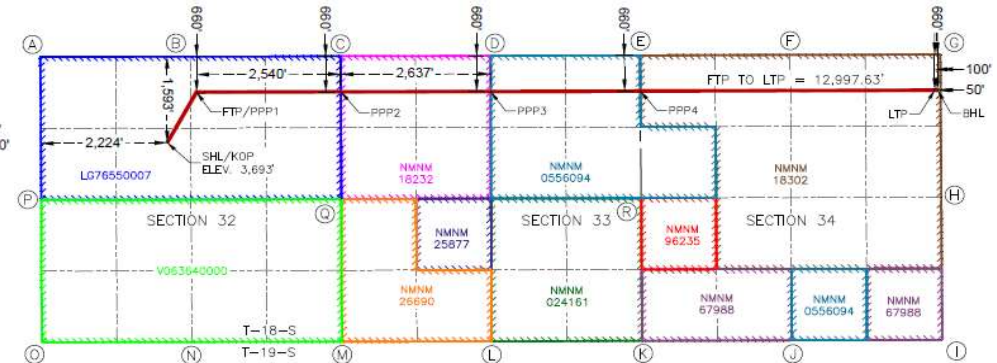
New- Blue

Original: Bond 33-34 Fed Com 203H



Original- SHL	32-18S-32E	1726 FSL & 2345 FEL	V063640000
Original- KOP	32-18S-32E	1726 FSL & 2345 FEL	V063640000
Original- FTP	32-18S-32E	1254 FNL & 2540 FEL	LG76550007
Original- PPP2	33-18S-32E	1254 FNL & 0 FWL	NMNM18232
Original- PPP3	33-18S-32E	1254 FNL & 2636 FWL	NMNM0556094
Original- PPP4	34-18S-32E	1254 FNL & 0 FWL	NMNM18302
Original- LTP	34-18S-32E	1254 FNL & 100 FEL	NMNM018302
Original- BHL	34-18S-32E	1254 FNL & 10 FEL	NMNM018302

New: Bond 33-34 Fed Com 303H



New-SHL	33-18S-32E	1593 FNL & 2224 FWL	VO63640000
New-KOP	33-18S-32E	1593 FNL & 2224 FWL	VO63640000
New-FTP	33-18S-32E	660 FNL & 2540 FEL	VO63640000
New-PPP2	33-18S-32E	660 FNL & 0 FWL	NMNM25877
New-PPP3	33-18S-32E	660 FNL & 2637 FWL	NMNM024161
New-PPP4	34-18S-32E	660 FNL & 0 FWL	NMNM96235
New-LTP	34-18S-32E	660 FNL & 100 FEL	NMNM18302
New-BHL	34-18S-32E	660 FNL & 50 FEL	NMNM18302

Notice of Intent to Change Drill Plan

Bond 32-34 Fed Com 203H**Bond 32-34 Fed Com 303H**

Original Design in Grey

New Design in Blue

Target Zone: BS2Carb

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	22749	0	9320	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		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	9305	L80HC	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	23793	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	2771	1.68	4656	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	689.0	13.2	15%	C	Fluid Loss, Retarder, LCM
Production	Lead	5850	310	3.03	938.7	10.5	0%	H	Fluid Loss, Retarder, LCM
	Tail	8850	3,535	1.23	4347.6	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	22749	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	23793	Oil Based Mud	12.0-12.5	35-65	4 to 6



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

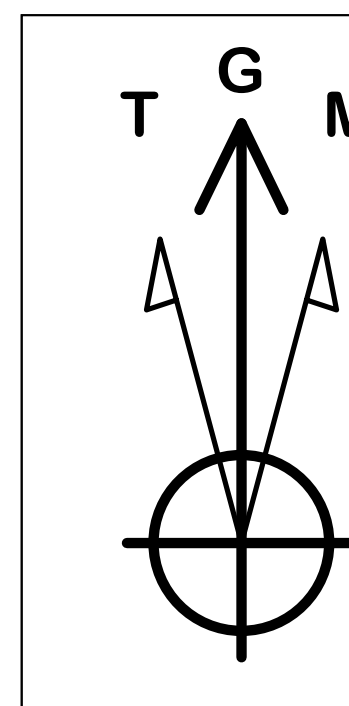
UNCONTROLLED

- 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



PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (01) Bond 32-34 FED COM #303H
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 @ 3723.50usft
Elevation: 3693.00
To convert a Magnetic Direction to a Grid Direction, Add 6.057°



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

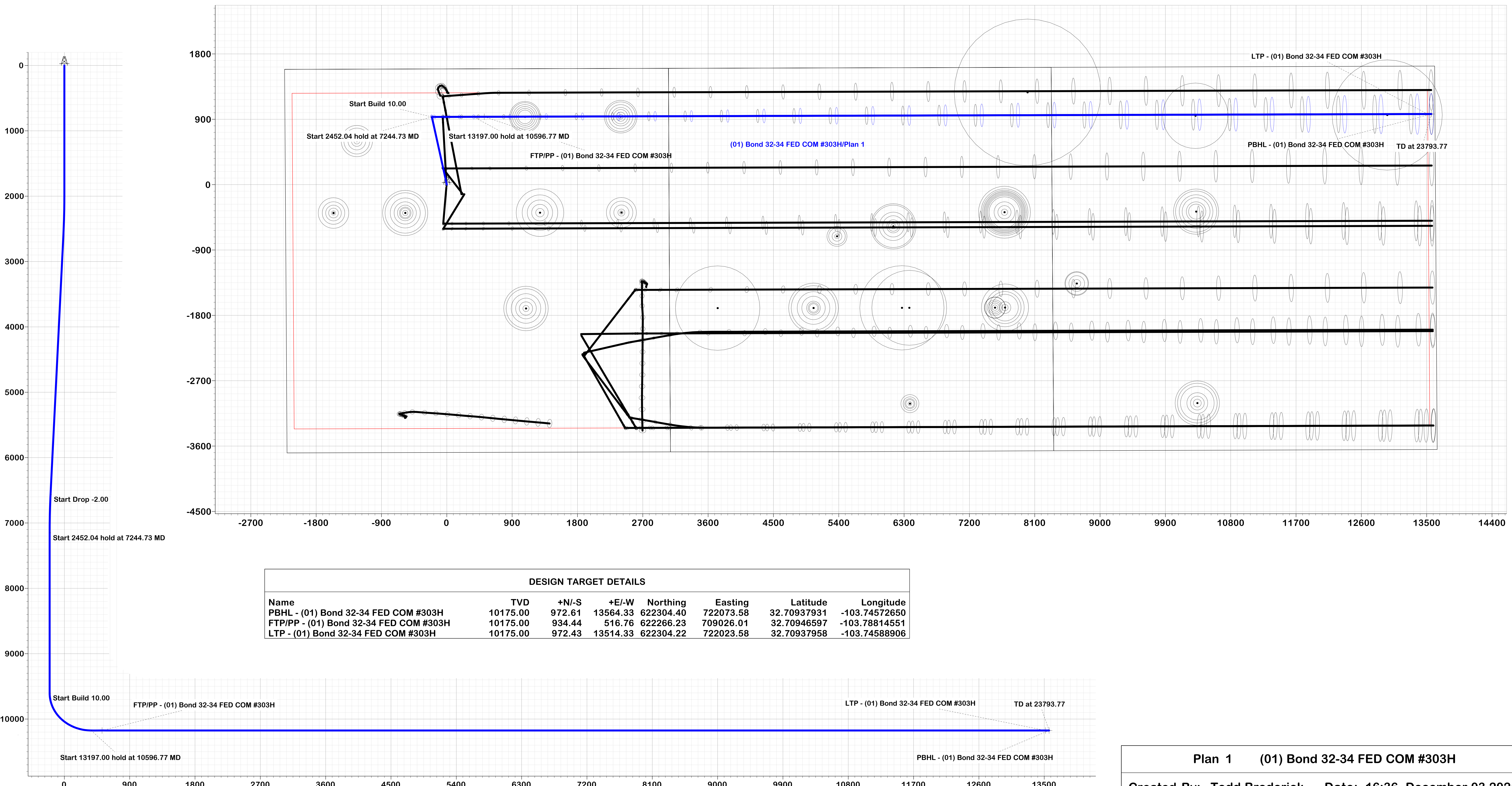
Magnetic Field
Strength: 47228.7nT
Dip Angle: 60.14°
Date: 12/2/2025
Model: IGRF2025



PBEX
Site: Bond North Pad - Phase 2
Well: (01) Bond 32-34 FED COM #303H
Wellbore: #303H
Plan: Plan 1

WELL DETAILS: (01) Bond 32-34 FED COM #303H					
		Northing	Easting	Latitude	Longitude
0.00	0.00	621331.79	708509.25	32.70690489	-103.78984110

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	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00
3	2591.74	11.83	347.57	2587.54	59.47	-13.11	2.00	347.566	-12.94
4	6652.99	11.83	347.57	6562.46	872.86	-192.46	0.00	0.000	-189.87
5	7244.73	0.00	89.83	7150.00	932.33	-205.57	2.00	180.000	-202.80
6	9696.77	0.00	89.83	9602.04	932.33	-205.57	0.00	0.000	-202.80
7	10596.77	90.00	89.83	10175.00	934.00	367.39	10.00	0.000	370.16
8	23793.77	90.00	89.83	10175.00	972.61	13564.33	0.00	0.000	13567.16



DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - (01) Bond 32-34 FED COM #303H	10175.00	972.61	13564.33	622304.40	722073.58	32.70937931	-103.74572650
FTP/PP - (01) Bond 32-34 FED COM #303H	10175.00	934.44	516.76	622266.23	709026.01	32.70946597	-103.78814551
LTP - (01) Bond 32-34 FED COM #303H	10175.00	972.43	13514.33	622304.22	722023.58	32.70937958	-103.74588906

Plan 1 (01) Bond 32-34 FED COM #303H
Created By: Todd Broderick Date: 16:36, December 03 2025



PBEX

Lea County, NM (N83 - NME)

Bond North Pad - Phase 2

(01) Bond 32-34 FED COM #303H

TBD

#303H

Plan 1

Anticollision Report

03 December, 2025

DIXON



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference	Plan 1		
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	23,793.77	Plan 1 (#303H)	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	2,000.00	2,001.68	275.93	264.81	24.814	CC, ES
(01) Bond 32-34 FED COM 205H - 205H - Plan 2	23,793.77	22,765.79	1,743.14	1,235.58	3.434	SF
(02) Bond 32-34 FED COM 301H - 301H - Plan 2	2,000.00	2,001.14	258.55	247.43	23.253	CC
(02) Bond 32-34 FED COM 301H - 301H - Plan 2	23,793.77	23,570.96	710.00	145.62	1.258	Level 3, ES, SF
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	4,310.42	4,355.48	185.48	166.46	9.754	CC
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	4,400.00	4,444.66	185.67	166.34	9.605	ES
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	23,793.77	22,928.71	881.81	569.54	2.824	SF
Bond North Pad - Phase 2						
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	2,500.00	2,503.36	19.11	5.45	1.399	Level 3, CC
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	2,503.93	2,507.31	19.11	5.43	1.397	Level 3, ES, SF
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	2,000.00	2,000.00	40.53	29.41	3.645	CC, ES, SF
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	10,053.87	9,929.03	410.24	343.86	6.180	CC, ES
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	10,100.00	9,965.06	411.33	344.72	6.175	SF
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)						Out of range
(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)	17,908.68	10,170.88	1,335.29	873.51	2.892	CC, ES
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	18,000.00	10,170.88	1,338.41	875.21	2.889	SF
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)						Out of range
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)						Out of range
(W08) HULKSTER 001 - 38446 - (Inc Only)	6,428.18	6,329.35	1,081.21	935.64	7.427	CC
(W08) HULKSTER 001 - 38446 - (Inc Only)	9,700.00	9,594.28	1,086.04	861.69	4.841	ES
(W08) HULKSTER 001 - 38446 - (Inc Only)	9,800.00	9,693.72	1,094.88	867.79	4.822	SF
(W09) HULKSTER 002 - 38844 - (Inc Only)	898.73	889.31	1,608.96	1,586.33	71.112	CC
(W09) HULKSTER 002 - 38844 - (Inc Only)	3,000.00	2,977.15	1,619.56	1,548.36	22.747	ES
(W09) HULKSTER 002 - 38844 - (Inc Only)	9,500.00	9,357.00	1,894.69	1,664.57	8.233	SF
(W10) HULKSTER 003 - 39570 - (Inc Only)	11,306.68	9,619.00	554.78	498.22	9.809	CC
(W10) HULKSTER 003 - 39570 - (Inc Only)	11,500.00	9,619.00	587.48	485.83	5.780	ES
(W10) HULKSTER 003 - 39570 - (Inc Only)	11,800.00	9,619.00	742.36	574.24	4.416	SF
(W11) HULKSTER 004 - 39571 - (Inc Only)	12,628.35	9,450.00	734.44	671.40	11.650	CC
(W11) HULKSTER 004 - 39571 - (Inc Only)	12,800.00	9,450.00	754.91	661.66	8.095	ES
(W11) HULKSTER 004 - 39571 - (Inc Only)	13,300.00	9,450.00	997.26	811.69	5.374	SF
(W12) HULKSTER 005 - 39572 - (Inc Only)	12,630.83	9,537.00	1,468.77	1,231.21	6.183	CC, ES
(W12) HULKSTER 005 - 39572 - (Inc Only)	12,800.00	9,537.00	1,478.48	1,238.15	6.152	SF

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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						
(W13) KEELA FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	16,376.67	10,160.24	1,522.61	1,150.79	4.095	CC
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	16,400.00	10,160.24	1,522.78	1,150.53	4.091	ES
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	16,500.00	10,160.24	1,527.59	1,153.79	4.087	SF
(W15) KEELA FEDERAL 004 - 33499 - (Inc Only)						Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	683.33	674.74	2,024.07	2,005.68	110.046	CC
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,100.00	2,091.53	2,026.16	1,973.64	38.584	ES
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,400.00	2,381.17	2,050.47	1,991.03	34.496	SF
(W17) MAX STATE 001 - 26754 - (Inc Only)	11,508.38	10,139.46	1,322.38	1,038.63	4.660	CC, ES
(W17) MAX STATE 001 - 26754 - (Inc Only)	11,600.00	10,139.45	1,325.51	1,040.54	4.651	SF
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	20,548.83	10,178.43	1,334.58	873.83	2.897	CC, ES
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	20,600.00	10,178.43	1,335.56	873.96	2.893	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)						Out of range
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	1,187.78	1,188.29	692.73	661.43	22.132	CC
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	2,300.00	2,299.56	698.29	640.86	12.160	ES
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	9,900.00	9,803.86	1,382.47	1,133.37	5.550	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						Out of range
(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	1.68	1.68	0.00	0.01	118.620	-132.17	242.22	275.93				
100.00	100.00	101.68	101.68	0.79	0.80	118.620	-132.17	242.22	275.93	274.35	1.58	174.378	
200.00	200.00	201.68	201.68	1.45	1.45	118.620	-132.17	242.22	275.93	273.03	2.90	95.160	
300.00	300.00	301.68	301.68	1.89	1.90	118.620	-132.17	242.22	275.93	272.14	3.79	72.816	
400.00	400.00	401.68	401.68	2.25	2.26	118.620	-132.17	242.22	275.93	271.42	4.51	61.147	
500.00	500.00	501.68	501.68	2.57	2.57	118.620	-132.17	242.22	275.93	270.79	5.14	53.683	
600.00	600.00	601.68	601.68	2.85	2.85	118.620	-132.17	242.22	275.93	270.23	5.70	48.379	
700.00	700.00	701.68	701.68	3.11	3.11	118.620	-132.17	242.22	275.93	269.71	6.22	44.360	
800.00	800.00	801.68	801.68	3.35	3.35	118.620	-132.17	242.22	275.93	269.23	6.70	41.175	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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	
900.00	900.00	901.68	901.68	3.58	3.58	118.620	-132.17	242.22	275.93	268.78	7.15	38.571	
1,000.00	1,000.00	1,001.68	1,001.68	3.79	3.79	118.620	-132.17	242.22	275.93	268.35	7.58	36.389	
1,100.00	1,100.00	1,101.68	1,101.68	3.99	4.00	118.620	-132.17	242.22	275.93	267.94	7.99	34.525	
1,200.00	1,200.00	1,201.68	1,201.68	4.19	4.19	118.620	-132.17	242.22	275.93	267.55	8.38	32.909	
1,300.00	1,300.00	1,301.68	1,301.68	4.38	4.38	118.620	-132.17	242.22	275.93	267.17	8.76	31.489	
1,400.00	1,400.00	1,401.68	1,401.68	4.56	4.57	118.620	-132.17	242.22	275.93	266.81	9.13	30.229	
1,500.00	1,500.00	1,501.68	1,501.68	4.74	4.74	118.620	-132.17	242.22	275.93	266.45	9.48	29.100	
1,600.00	1,600.00	1,601.68	1,601.68	4.91	4.91	118.620	-132.17	242.22	275.93	266.11	9.83	28.082	
1,700.00	1,700.00	1,701.68	1,701.68	5.08	5.08	118.620	-132.17	242.22	275.93	265.77	10.16	27.156	
1,800.00	1,800.00	1,801.68	1,801.68	5.24	5.25	118.620	-132.17	242.22	275.93	265.45	10.49	26.310	
1,900.00	1,900.00	1,901.68	1,901.68	5.40	5.40	118.620	-132.17	242.22	275.93	265.13	10.81	25.532	
2,000.00	2,000.00	2,001.68	2,001.68	5.56	5.56	118.620	-132.17	242.22	275.93	264.81	11.12	24.814	CC, ES
2,100.00	2,099.98	2,101.66	2,101.66	5.80	5.71	131.309	-132.17	242.22	277.08	265.62	11.46	24.169	
2,200.00	2,199.84	2,201.52	2,201.52	6.05	5.86	132.059	-132.17	242.22	280.57	268.76	11.81	23.759	
2,300.00	2,299.45	2,301.13	2,301.13	6.31	6.01	133.264	-132.17	242.22	286.49	274.32	12.16	23.558	
2,400.00	2,398.70	2,400.38	2,400.38	6.59	6.16	134.861	-132.17	242.22	294.99	282.47	12.53	23.549	
2,500.00	2,497.47	2,499.15	2,499.15	6.89	6.30	136.768	-132.17	242.22	306.28	293.37	12.91	23.722	
2,600.00	2,595.63	2,596.22	2,596.20	7.17	6.49	139.174	-133.55	241.38	320.70	307.43	13.27	24.165	
2,700.00	2,693.50	2,691.81	2,691.67	7.52	6.66	142.200	-137.64	238.87	337.35	323.65	13.70	24.619	
2,800.00	2,791.37	2,786.02	2,785.54	7.80	6.85	145.401	-144.33	234.77	355.56	341.47	14.08	25.250	
2,900.00	2,889.25	2,879.42	2,878.32	8.10	6.96	148.716	-153.49	229.15	375.62	361.18	14.44	26.014	
3,000.00	2,987.12	2,974.70	2,972.86	8.42	7.10	151.889	-163.60	222.96	397.17	382.31	14.86	26.720	
3,100.00	3,085.00	3,069.97	3,067.39	8.76	7.28	154.742	-173.71	216.76	419.81	404.49	15.33	27.389	
3,200.00	3,182.87	3,165.25	3,161.93	9.10	7.47	157.309	-183.82	210.56	443.38	427.57	15.81	28.037	
3,300.00	3,280.75	3,260.52	3,256.46	9.46	7.68	159.623	-193.93	204.37	467.73	451.41	16.32	28.657	
3,400.00	3,378.62	3,355.80	3,351.00	9.82	7.91	161.711	-204.04	198.17	492.76	475.91	16.85	29.243	
3,500.00	3,476.49	3,451.07	3,445.53	10.20	8.15	163.602	-214.15	191.98	518.35	500.95	17.40	29.793	
3,600.00	3,574.37	3,546.35	3,540.07	10.58	8.40	165.317	-224.26	185.78	544.44	526.47	17.96	30.307	
3,700.00	3,672.24	3,641.62	3,634.60	10.97	8.66	166.879	-234.37	179.58	570.95	552.40	18.55	30.785	
3,800.00	3,770.12	3,736.90	3,729.13	11.37	8.94	168.304	-244.48	173.39	597.83	578.68	19.14	31.226	
3,900.00	3,867.99	3,832.17	3,823.67	11.77	9.22	169.608	-254.59	167.19	625.03	605.27	19.76	31.634	
4,000.00	3,965.87	3,927.45	3,918.20	12.18	9.51	170.804	-264.70	160.99	652.51	632.12	20.38	32.011	
4,100.00	4,063.74	4,022.72	4,012.74	12.59	9.81	171.905	-274.81	154.80	680.23	659.21	21.02	32.357	
4,200.00	4,161.61	4,118.00	4,107.27	13.00	10.12	172.921	-284.92	148.60	708.17	686.50	21.67	32.675	
4,300.00	4,259.49	4,213.28	4,201.81	13.42	10.43	173.861	-295.03	142.41	736.31	713.98	22.33	32.968	
4,400.00	4,357.36	4,308.55	4,296.34	13.85	10.75	174.732	-305.14	136.21	764.62	741.61	23.00	33.237	
4,500.00	4,455.24	4,403.83	4,390.88	14.27	11.07	175.542	-315.25	130.01	793.08	769.39	23.68	33.485	
4,600.00	4,553.11	4,499.10	4,485.41	14.70	11.40	176.296	-325.36	123.82	821.67	797.30	24.37	33.713	
4,700.00	4,650.99	4,594.38	4,579.95	15.14	11.73	177.000	-335.47	117.62	850.39	825.33	25.07	33.923	
4,800.00	4,748.86	4,689.65	4,674.48	15.57	12.07	177.658	-345.58	111.42	879.23	853.45	25.77	34.116	
4,900.00	4,846.73	4,784.93	4,769.01	16.01	12.42	178.274	-355.69	105.23	908.16	881.68	26.48	34.295	
5,000.00	4,944.61	4,880.20	4,863.55	16.45	12.76	178.853	-365.79	99.03	937.18	909.98	27.20	34.460	
5,100.00	5,042.48	4,975.48	4,958.08	16.89	13.11	179.398	-375.90	92.84	966.29	938.37	27.92	34.612	
5,200.00	5,140.36	5,070.75	5,052.62	17.33	13.46	179.910	-386.01	86.64	995.47	966.83	28.64	34.753	
5,300.00	5,238.23	5,166.03	5,147.15	17.78	13.82	-179.606	-396.12	80.44	1,024.72	995.35	29.37	34.884	
5,400.00	5,336.11	5,261.30	5,241.69	18.22	14.17	-179.149	-406.23	74.25	1,054.04	1,023.93	30.11	35.006	
5,500.00	5,433.98	5,356.58	5,336.22	18.67	14.53	-178.717	-416.34	68.05	1,083.41	1,052.56	30.85	35.119	
5,600.00	5,531.85	5,451.85	5,430.76	19.12	14.89	-178.307	-426.45	61.85	1,112.84	1,081.24	31.59	35.224	
5,700.00	5,629.73	5,547.13	5,525.29	19.57	15.26	-177.918	-436.56	55.66	1,142.31	1,109.97	32.34	35.322	
5,800.00	5,727.60	5,642.41	5,619.83	20.02	15.62	-177.549	-446.67	49.46	1,171.84	1,138.74	33.09	35.413	
5,900.00	5,825.48	5,737.68	5,714.36	20.47	15.99	-177.198	-456.78	43.27	1,201.40	1,167.56	33.84	35.498	
6,000.00	5,923.35	5,832.96	5,808.90	20.92	16.36	-176.863	-466.89	37.07	1,231.00	1,196.40	34.60	35.578	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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	
6,100.00	6,021.23	5,928.23	5,903.43	21.38	16.73	-176.545	-477.00	30.87	1,260.65	1,225.29	35.36	35.652	
6,200.00	6,119.10	6,023.51	5,997.96	21.83	17.10	-176.241	-487.11	24.68	1,290.32	1,254.20	36.12	35.722	
6,300.00	6,216.97	6,118.78	6,092.50	22.29	17.48	-175.950	-497.22	18.48	1,320.03	1,283.14	36.89	35.787	
6,400.00	6,314.85	6,214.06	6,187.03	22.75	17.85	-175.672	-507.33	12.28	1,349.76	1,312.11	37.65	35.849	
6,500.00	6,412.72	6,309.33	6,281.57	23.20	18.23	-175.406	-517.44	6.09	1,379.53	1,341.11	38.42	35.907	
6,600.00	6,510.60	6,404.61	6,376.10	23.66	18.60	-175.152	-527.55	-0.11	1,409.32	1,370.13	39.19	35.961	
6,700.00	6,608.55	6,499.99	6,470.75	24.10	18.98	-174.931	-537.67	-6.31	1,438.77	1,398.82	39.95	36.018	
6,800.00	6,707.06	6,596.20	6,566.20	24.57	19.37	-174.734	-547.88	-12.57	1,465.37	1,424.64	40.73	35.980	
6,900.00	6,806.10	6,693.24	6,662.49	25.01	19.75	-174.527	-558.18	-18.88	1,488.63	1,447.14	41.50	35.874	
7,000.00	6,905.57	6,791.01	6,759.50	25.42	20.14	-174.310	-568.55	-25.24	1,508.53	1,466.29	42.24	35.710	
7,100.00	7,005.33	6,889.39	6,857.12	25.80	20.54	-174.080	-578.99	-31.64	1,525.04	1,482.08	42.96	35.496	
7,200.00	7,105.27	6,997.04	6,963.94	26.12	20.96	-173.812	-590.35	-38.60	1,538.12	1,494.45	43.68	35.216	
7,300.00	7,205.27	7,170.92	7,137.13	26.19	21.64	174.086	-603.27	-46.51	1,545.39	1,500.84	44.55	34.691	
7,400.00	7,305.27	7,340.83	7,306.95	26.23	22.09	174.191	-607.22	-48.94	1,547.49	1,502.39	45.10	34.313	
7,500.00	7,405.27	7,440.83	7,406.95	26.28	22.11	174.191	-607.22	-48.94	1,547.49	1,502.32	45.17	34.261	
7,600.00	7,505.27	7,540.83	7,506.95	26.32	22.14	174.191	-607.22	-48.94	1,547.49	1,502.24	45.25	34.200	
7,700.00	7,605.27	7,640.83	7,606.95	26.37	22.16	174.191	-607.22	-48.94	1,547.49	1,502.16	45.33	34.139	
7,800.00	7,705.27	7,740.83	7,706.95	26.42	22.19	174.191	-607.22	-48.94	1,547.49	1,502.08	45.41	34.077	
7,900.00	7,805.27	7,840.83	7,806.95	26.46	22.22	174.191	-607.22	-48.94	1,547.49	1,502.00	45.49	34.016	
8,000.00	7,905.27	7,940.83	7,906.95	26.51	22.25	174.191	-607.22	-48.94	1,547.49	1,501.92	45.58	33.955	
8,100.00	8,005.27	8,040.83	8,006.95	26.56	22.28	174.191	-607.22	-48.94	1,547.49	1,501.83	45.66	33.893	
8,200.00	8,105.27	8,140.83	8,106.95	26.60	22.31	174.191	-607.22	-48.94	1,547.49	1,501.75	45.74	33.831	
8,300.00	8,205.27	8,240.83	8,206.95	26.65	22.35	174.191	-607.22	-48.94	1,547.49	1,501.67	45.82	33.770	
8,400.00	8,305.27	8,340.83	8,306.95	26.70	22.38	174.191	-607.22	-48.94	1,547.49	1,501.58	45.91	33.708	
8,500.00	8,405.27	8,440.83	8,406.95	26.74	22.41	174.191	-607.22	-48.94	1,547.49	1,501.50	45.99	33.646	
8,600.00	8,505.27	8,540.83	8,506.95	26.79	22.44	174.191	-607.22	-48.94	1,547.49	1,501.41	46.08	33.584	
8,700.00	8,605.27	8,640.83	8,606.95	26.84	22.47	174.191	-607.22	-48.94	1,547.49	1,501.33	46.16	33.522	
8,800.00	8,705.27	8,740.83	8,706.95	26.89	22.50	174.191	-607.22	-48.94	1,547.49	1,501.24	46.25	33.460	
8,808.39	8,713.66	8,749.22	8,715.34	26.89	22.51	174.191	-607.22	-48.94	1,547.49	1,501.23	46.26	33.454	
8,900.00	8,805.27	8,836.65	8,802.77	26.94	22.51	174.183	-607.22	-48.72	1,547.52	1,501.20	46.32	33.411	
9,000.00	8,905.27	8,914.82	8,880.52	26.98	22.41	173.908	-607.19	-41.26	1,548.49	1,502.16	46.32	33.427	
9,100.00	9,005.27	8,989.64	8,953.33	27.03	22.28	173.283	-607.14	-24.27	1,551.04	1,504.75	46.29	33.508	
9,200.00	9,105.27	9,058.99	9,018.32	27.08	22.15	172.400	-607.07	-0.18	1,555.57	1,509.36	46.21	33.662	
9,300.00	9,205.27	9,121.68	9,074.18	27.13	22.04	171.365	-606.99	28.21	1,562.62	1,516.52	46.10	33.897	
9,400.00	9,305.27	9,177.34	9,120.91	27.18	21.95	170.269	-606.90	58.39	1,572.74	1,526.78	45.96	34.222	
9,500.00	9,405.27	9,226.21	9,159.37	27.23	21.88	169.182	-606.81	88.53	1,586.43	1,540.63	45.79	34.644	
9,600.00	9,505.27	9,268.87	9,190.73	27.28	21.84	168.147	-606.73	117.43	1,604.06	1,558.46	45.61	35.171	
9,700.00	9,605.27	9,300.00	9,212.22	27.33	21.82	177.435	-606.66	139.95	1,625.94	1,580.55	45.40	35.817	
9,800.00	9,704.71	9,350.00	9,244.07	27.30	21.82	73.810	-606.55	178.47	1,649.98	1,604.80	45.17	36.525	
9,900.00	9,801.04	9,379.24	9,261.11	27.25	21.83	70.914	-606.48	202.24	1,673.34	1,628.40	44.95	37.230	
10,000.00	9,891.31	9,417.75	9,281.65	27.22	21.87	68.159	-606.39	234.80	1,695.03	1,650.22	44.81	37.824	
10,100.00	9,972.80	9,450.00	9,297.13	27.22	21.92	65.915	-606.30	263.08	1,714.05	1,669.30	44.76	38.298	
10,200.00	10,043.02	9,500.00	9,317.93	27.30	22.05	63.959	-606.17	308.53	1,729.52	1,684.63	44.89	38.528	
10,300.00	10,099.85	9,550.00	9,334.69	27.48	22.23	62.589	-606.03	355.62	1,741.01	1,695.82	45.20	38.522	
10,400.00	10,141.54	9,578.17	9,342.31	27.80	22.36	61.886	-605.95	382.74	1,747.73	1,702.13	45.60	38.324	
10,420.74	10,148.17	9,600.00	9,347.29	27.90	22.46	61.761	-605.89	404.00	1,748.68	1,702.88	45.80	38.183	
10,500.00	10,166.85	9,618.97	9,350.95	28.27	22.57	61.658	-605.84	422.61	1,749.75	1,703.48	46.27	37.813	
10,600.00	10,175.00	9,650.00	9,356.62	28.90	22.75	61.935	-605.75	453.28	1,746.95	1,699.86	47.09	37.098	
10,630.31	10,175.00	9,672.14	9,357.93	29.12	22.90	62.002	-605.68	475.30	1,745.52	1,698.05	47.47	36.775	
10,700.00	10,175.00	9,700.00	9,359.62	29.65	23.09	62.051	-605.60	503.10	1,743.55	1,695.38	48.17	36.197	
10,730.80	10,175.00	9,713.46	9,359.95	29.92	23.19	62.061	-605.56	516.56	1,743.20	1,694.68	48.52	35.927	
10,800.00	10,175.00	9,772.02	9,360.00	30.53	23.66	62.062	-605.39	575.12	1,743.14	1,693.63	49.52	35.204	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)			
10,829.30	10,175.00	9,801.32	9,360.00	30.82	23.91	62.062	-605.30	604.42	1,743.14	1,693.14	50.01	34.858	
10,900.00	10,175.00	9,872.02	9,360.00	31.52	24.59	62.062	-605.10	675.12	1,743.14	1,691.89	51.26	34.009	
10,929.37	10,175.00	9,901.39	9,360.00	31.84	24.88	62.062	-605.01	704.49	1,743.14	1,691.34	51.81	33.646	
11,000.00	10,175.00	9,972.02	9,360.00	32.61	25.65	62.062	-604.81	775.12	1,743.14	1,689.95	53.20	32.768	
11,029.37	10,175.00	10,001.39	9,360.00	32.96	25.97	62.062	-604.72	804.49	1,743.14	1,689.34	53.80	32.398	
11,100.00	10,175.00	10,072.02	9,360.00	33.79	26.83	62.062	-604.51	875.12	1,743.14	1,687.83	55.32	31.511	
11,129.37	10,175.00	10,101.39	9,360.00	34.17	27.19	62.062	-604.43	904.49	1,743.14	1,687.17	55.98	31.141	
11,200.00	10,175.00	10,172.02	9,360.00	35.06	28.12	62.062	-604.22	975.12	1,743.14	1,685.54	57.60	30.262	
11,229.37	10,175.00	10,201.39	9,360.00	35.45	28.51	62.062	-604.13	1,004.49	1,743.14	1,684.84	58.30	29.898	
11,300.00	10,175.00	10,272.02	9,360.00	36.40	29.51	62.062	-603.93	1,075.12	1,743.14	1,683.11	60.03	29.038	
11,329.37	10,175.00	10,301.39	9,360.00	36.81	29.93	62.062	-603.84	1,104.49	1,743.14	1,682.37	60.77	28.685	
11,400.00	10,175.00	10,372.02	9,360.00	37.80	30.98	62.062	-603.64	1,175.12	1,743.14	1,680.56	62.58	27.853	
11,429.37	10,175.00	10,401.39	9,360.00	38.23	31.41	62.062	-603.55	1,204.49	1,743.14	1,679.79	63.36	27.513	
11,500.00	10,175.00	10,472.02	9,360.00	39.27	32.51	62.062	-603.34	1,275.12	1,743.14	1,677.89	65.25	26.715	
11,529.37	10,175.00	10,501.39	9,360.00	39.71	32.97	62.062	-603.26	1,304.48	1,743.14	1,677.09	66.05	26.390	
11,600.00	10,175.00	10,572.02	9,360.00	40.78	34.11	62.062	-603.05	1,375.12	1,743.14	1,675.13	68.01	25.629	
11,629.37	10,175.00	10,601.39	9,360.00	41.24	34.58	62.062	-602.96	1,404.48	1,743.14	1,674.30	68.85	25.320	
11,700.00	10,175.00	10,672.02	9,360.00	42.35	35.76	62.062	-602.76	1,475.12	1,743.14	1,672.28	70.87	24.597	
11,729.37	10,175.00	10,701.39	9,360.00	42.82	36.25	62.062	-602.67	1,504.48	1,743.14	1,671.42	71.72	24.304	
11,800.00	10,175.00	10,772.02	9,360.00	43.95	37.45	62.062	-602.46	1,575.12	1,743.14	1,669.35	73.80	23.621	
11,829.37	10,175.00	10,801.39	9,360.00	44.43	37.95	62.062	-602.38	1,604.48	1,743.14	1,668.47	74.67	23.344	
11,900.00	10,175.00	10,872.02	9,360.00	45.59	39.18	62.062	-602.17	1,675.12	1,743.14	1,666.35	76.80	22.698	
11,929.37	10,175.00	10,901.39	9,360.00	46.09	39.69	62.062	-602.09	1,704.48	1,743.14	1,665.45	77.69	22.437	
12,000.00	10,175.00	10,972.02	9,360.00	47.27	40.94	62.062	-601.88	1,775.12	1,743.14	1,663.29	79.86	21.828	
12,029.37	10,175.00	11,001.39	9,360.00	47.77	41.46	62.062	-601.79	1,804.48	1,743.14	1,662.38	80.77	21.582	
12,100.00	10,175.00	11,072.02	9,360.00	48.98	42.73	62.062	-601.59	1,875.11	1,743.14	1,660.17	82.97	21.009	
12,129.37	10,175.00	11,101.39	9,360.00	49.48	43.26	62.062	-601.50	1,904.48	1,743.14	1,659.25	83.90	20.777	
12,200.00	10,175.00	11,172.02	9,360.00	50.71	44.55	62.062	-601.29	1,975.11	1,743.14	1,657.01	86.14	20.237	
12,229.37	10,175.00	11,201.39	9,360.00	51.23	45.09	62.062	-601.21	2,004.48	1,743.14	1,656.07	87.07	20.019	
12,300.00	10,175.00	11,272.02	9,360.00	52.47	46.39	62.062	-601.00	2,075.11	1,743.14	1,653.80	89.34	19.511	
12,329.37	10,175.00	11,301.39	9,360.00	52.99	46.93	62.062	-600.92	2,104.48	1,743.14	1,652.85	90.29	19.306	
12,400.00	10,175.00	11,372.02	9,360.00	54.25	48.25	62.062	-600.71	2,175.11	1,743.14	1,650.56	92.59	18.827	
12,429.37	10,175.00	11,401.39	9,360.00	54.78	48.80	62.062	-600.62	2,204.48	1,743.14	1,649.60	93.55	18.634	
12,500.00	10,175.00	11,472.02	9,360.00	56.05	50.12	62.062	-600.42	2,275.11	1,743.14	1,647.28	95.87	18.183	
12,529.37	10,175.00	11,501.39	9,360.00	56.58	50.68	62.062	-600.33	2,304.48	1,743.14	1,646.31	96.84	18.001	
12,600.00	10,175.00	11,572.02	9,360.00	57.86	52.02	62.062	-600.12	2,375.11	1,743.14	1,643.96	99.18	17.576	
12,629.37	10,175.00	11,601.39	9,360.00	58.40	52.57	62.062	-600.04	2,404.48	1,743.14	1,642.99	100.16	17.404	
12,700.00	10,175.00	11,672.02	9,360.00	59.70	53.92	62.062	-599.83	2,475.11	1,743.14	1,640.62	102.52	17.003	
12,729.37	10,175.00	11,701.39	9,360.00	60.24	54.48	62.062	-599.75	2,504.48	1,743.14	1,639.64	103.51	16.841	
12,800.00	10,175.00	11,772.02	9,360.00	61.55	55.84	62.062	-599.54	2,575.11	1,743.14	1,637.26	105.89	16.463	
12,829.37	10,175.00	11,801.39	9,360.00	62.09	56.40	62.062	-599.45	2,604.48	1,743.14	1,636.26	106.88	16.309	
12,900.00	10,175.00	11,872.02	9,360.00	63.41	57.76	62.062	-599.25	2,675.11	1,743.14	1,633.87	109.27	15.952	
12,929.37	10,175.00	11,901.39	9,360.00	63.96	58.33	62.062	-599.16	2,704.48	1,743.14	1,632.87	110.27	15.807	
13,000.00	10,175.00	11,972.02	9,360.00	65.29	59.70	62.062	-598.95	2,775.11	1,743.14	1,630.46	112.69	15.469	
13,029.37	10,175.00	12,001.39	9,360.00	65.84	60.27	62.062	-598.87	2,804.48	1,743.14	1,629.45	113.69	15.332	
13,100.00	10,175.00	12,072.02	9,360.00	67.17	61.65	62.062	-598.66	2,875.11	1,743.14	1,627.03	116.12	15.012	
13,129.37	10,175.00	12,101.39	9,360.00	67.73	62.22	62.062	-598.58	2,904.48	1,743.14	1,626.02	117.13	14.883	
13,200.00	10,175.00	12,172.02	9,360.00	69.07	63.60	62.062	-598.37	2,975.11	1,743.14	1,623.58	119.56	14.579	
13,229.37	10,175.00	12,201.39	9,360.00	69.63	64.18	62.062	-598.28	3,004.48	1,743.14	1,622.56	120.58	14.456	
13,300.00	10,175.00	12,272.02	9,360.00	70.98	65.56	62.062	-598.08	3,075.11	1,743.14	1,620.12	123.03	14.169	
13,329.37	10,175.00	12,301.39	9,360.00	71.54	66.14	62.062	-597.99	3,104.48	1,743.14	1,619.10	124.05	14.052	
13,400.00	10,175.00	12,372.02	9,360.00	72.89	67.53	62.062	-597.78	3,175.11	1,743.14	1,616.64	126.51	13.779	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	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)		
13,429.37	10,175.00	12,401.39	9,360.00	73.46	68.11	62.062	-597.70	3,204.48	1,743.14	1,615.61	127.53	13.668	
13,500.00	10,175.00	12,472.02	9,360.00	74.82	69.50	62.062	-597.49	3,275.11	1,743.14	1,613.15	130.00	13.409	
13,529.37	10,175.00	12,501.39	9,360.00	75.38	70.08	62.062	-597.41	3,304.48	1,743.14	1,612.12	131.03	13.304	
13,600.00	10,175.00	12,572.02	9,360.00	76.75	71.48	62.062	-597.20	3,375.11	1,743.14	1,609.64	133.50	13.057	
13,629.37	10,175.00	12,601.39	9,360.00	77.32	72.07	62.062	-597.11	3,404.48	1,743.14	1,608.61	134.53	12.957	
13,700.00	10,175.00	12,672.02	9,360.00	78.69	73.47	62.062	-596.91	3,475.11	1,743.14	1,606.12	137.02	12.722	
13,729.37	10,175.00	12,701.39	9,360.00	79.26	74.05	62.062	-596.82	3,504.48	1,743.14	1,605.09	138.05	12.626	
13,800.00	10,175.00	12,772.02	9,360.00	80.63	75.46	62.062	-596.61	3,575.11	1,743.14	1,602.60	140.55	12.403	
13,829.37	10,175.00	12,801.39	9,360.00	81.21	76.04	62.062	-596.53	3,604.47	1,743.14	1,601.56	141.59	12.312	
13,900.00	10,175.00	12,872.02	9,360.00	82.58	77.45	62.062	-596.32	3,675.11	1,743.14	1,599.06	144.08	12.098	
13,929.37	10,175.00	12,901.39	9,360.00	83.16	78.04	62.062	-596.24	3,704.47	1,743.14	1,598.02	145.13	12.011	
14,000.00	10,175.00	12,972.02	9,360.00	84.54	79.45	62.062	-596.03	3,775.11	1,743.14	1,595.51	147.63	11.807	
14,029.37	10,175.00	13,001.39	9,360.00	85.12	80.04	62.062	-595.94	3,804.47	1,743.14	1,594.47	148.68	11.725	
14,100.00	10,175.00	13,072.02	9,360.00	86.50	81.45	62.062	-595.74	3,875.11	1,743.14	1,591.96	151.19	11.530	
14,129.37	10,175.00	13,101.39	9,360.00	87.08	82.04	62.062	-595.65	3,904.47	1,743.14	1,590.91	152.23	11.451	
14,200.00	10,175.00	13,172.02	9,360.00	88.47	83.45	62.062	-595.44	3,975.11	1,743.14	1,588.39	154.75	11.264	
14,229.37	10,175.00	13,201.39	9,360.00	89.05	84.04	62.062	-595.36	4,004.47	1,743.14	1,587.34	155.80	11.188	
14,300.00	10,175.00	13,272.02	9,360.00	90.44	85.46	62.062	-595.15	4,075.11	1,743.14	1,584.82	158.32	11.010	
14,329.37	10,175.00	13,301.39	9,360.00	91.02	86.05	62.062	-595.07	4,104.47	1,743.14	1,583.77	159.37	10.938	
14,400.00	10,175.00	13,372.02	9,360.00	92.42	87.47	62.062	-594.86	4,175.10	1,743.14	1,581.24	161.90	10.767	
14,429.37	10,175.00	13,401.39	9,360.00	93.00	88.06	62.062	-594.77	4,204.47	1,743.14	1,580.19	162.95	10.697	
14,500.00	10,175.00	13,472.02	9,360.00	94.40	89.49	62.062	-594.57	4,275.10	1,743.14	1,577.66	165.48	10.534	
14,529.37	10,175.00	13,501.39	9,360.00	94.98	90.08	62.062	-594.48	4,304.47	1,743.14	1,576.61	166.54	10.467	
14,600.00	10,175.00	13,572.02	9,360.00	96.38	91.50	62.062	-594.27	4,375.10	1,743.14	1,574.07	169.07	10.310	
14,629.37	10,175.00	13,601.39	9,360.00	96.97	92.09	62.062	-594.19	4,404.47	1,743.14	1,573.01	170.13	10.246	
14,700.00	10,175.00	13,672.02	9,360.00	98.37	93.52	62.062	-593.98	4,475.10	1,743.14	1,570.47	172.67	10.095	
14,729.37	10,175.00	13,701.39	9,360.00	98.95	94.11	62.062	-593.89	4,504.47	1,743.14	1,569.42	173.73	10.034	
14,800.00	10,175.00	13,772.02	9,360.00	100.36	95.54	62.062	-593.69	4,575.10	1,743.14	1,566.87	176.27	9.889	
14,829.37	10,175.00	13,801.39	9,360.00	100.95	96.13	62.062	-593.60	4,604.47	1,743.14	1,565.81	177.33	9.830	
14,900.00	10,175.00	13,872.02	9,360.00	102.35	97.56	62.062	-593.40	4,675.10	1,743.14	1,563.26	179.88	9.691	
14,929.37	10,175.00	13,901.39	9,360.00	102.94	98.16	62.062	-593.31	4,704.47	1,743.14	1,562.20	180.94	9.634	
15,000.00	10,175.00	13,972.02	9,360.00	104.35	99.59	62.062	-593.10	4,775.10	1,743.14	1,559.65	183.49	9.500	
15,029.37	10,175.00	14,001.39	9,360.00	104.94	100.18	62.062	-593.02	4,804.47	1,743.14	1,558.59	184.55	9.445	
15,100.00	10,175.00	14,072.02	9,360.00	106.35	101.61	62.062	-592.81	4,875.10	1,743.14	1,556.04	187.11	9.316	
15,129.37	10,175.00	14,101.39	9,360.00	106.94	102.21	62.062	-592.72	4,904.47	1,743.14	1,554.97	188.17	9.264	
15,200.00	10,175.00	14,172.02	9,360.00	108.35	103.64	62.062	-592.52	4,975.10	1,743.14	1,552.42	190.73	9.140	
15,229.37	10,175.00	14,201.39	9,360.00	108.94	104.24	62.062	-592.43	5,004.47	1,743.14	1,551.35	191.79	9.089	
15,300.00	10,175.00	14,272.02	9,360.00	110.36	105.67	62.062	-592.23	5,075.10	1,743.14	1,548.79	194.35	8.969	
15,329.37	10,175.00	14,301.39	9,360.00	110.95	106.27	62.062	-592.14	5,104.47	1,743.14	1,547.73	195.42	8.920	
15,400.00	10,175.00	14,372.02	9,360.00	112.36	107.70	62.062	-591.93	5,175.10	1,743.14	1,545.17	197.98	8.805	
15,429.37	10,175.00	14,401.39	9,360.00	112.95	108.30	62.062	-591.85	5,204.47	1,743.14	1,544.10	199.04	8.758	
15,500.00	10,175.00	14,472.02	9,360.00	114.37	109.74	62.062	-591.64	5,275.10	1,743.14	1,541.53	201.61	8.646	
15,529.37	10,175.00	14,501.39	9,360.00	114.96	110.33	62.062	-591.55	5,304.47	1,743.14	1,540.47	202.68	8.601	
15,600.00	10,175.00	14,572.02	9,360.00	116.38	111.77	62.062	-591.35	5,375.10	1,743.14	1,537.90	205.24	8.493	
15,629.37	10,175.00	14,601.39	9,360.00	116.98	112.37	62.062	-591.26	5,404.47	1,743.14	1,536.83	206.31	8.449	
15,700.00	10,175.00	14,672.02	9,360.00	118.40	113.81	62.062	-591.06	5,475.10	1,743.14	1,534.26	208.88	8.345	
15,729.37	10,175.00	14,701.39	9,360.00	118.99	114.40	62.062	-590.97	5,504.47	1,743.14	1,533.19	209.95	8.303	
15,800.00	10,175.00	14,772.02	9,360.00	120.41	115.84	62.062	-590.76	5,575.10	1,743.14	1,530.62	212.52	8.202	
15,829.37	10,175.00	14,801.39	9,360.00	121.01	116.44	62.062	-590.68	5,604.47	1,743.14	1,529.55	213.59	8.161	
15,900.00	10,175.00	14,872.02	9,360.00	122.43	117.88	62.062	-590.47	5,675.10	1,743.14	1,526.98	216.17	8.064	
15,929.37	10,175.00	14,901.39	9,360.00	123.02	118.48	62.062	-590.38	5,704.47	1,743.14	1,525.91	217.24	8.024	
16,000.00	10,175.00	14,972.02	9,360.00	124.45	119.92	62.062	-590.18	5,775.10	1,743.14	1,523.33	219.81	7.930	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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)	
16,029.37	10,175.00	15,001.39	9,360.00	125.04	120.52	62.062	-590.09	5,804.47	1,743.14	1,522.26	
16,100.00	10,175.00	15,072.02	9,360.00	126.47	121.96	62.062	-589.89	5,875.10	1,743.14	1,519.68	
16,129.37	10,175.00	15,101.39	9,360.00	127.06	122.56	62.062	-589.80	5,904.47	1,743.14	1,518.61	
16,200.00	10,175.00	15,172.02	9,360.00	128.49	124.00	62.062	-589.59	5,975.10	1,743.14	1,516.03	
16,229.37	10,175.00	15,201.39	9,360.00	129.09	124.60	62.062	-589.51	6,004.46	1,743.14	1,514.96	
16,300.00	10,175.00	15,272.02	9,360.00	130.52	126.04	62.062	-589.30	6,075.10	1,743.14	1,512.37	
16,329.37	10,175.00	15,301.39	9,360.00	131.11	126.64	62.062	-589.21	6,104.46	1,743.14	1,511.30	
16,400.00	10,175.00	15,372.02	9,360.00	132.54	128.09	62.062	-589.01	6,175.10	1,743.14	1,508.72	
16,429.37	10,175.00	15,401.39	9,360.00	133.14	128.69	62.062	-588.92	6,204.46	1,743.14	1,507.64	
16,500.00	10,175.00	15,472.02	9,360.00	134.57	130.13	62.062	-588.71	6,275.10	1,743.14	1,505.06	
16,529.37	10,175.00	15,501.39	9,360.00	135.16	130.73	62.062	-588.63	6,304.46	1,743.14	1,503.98	
16,600.00	10,175.00	15,572.02	9,360.00	136.60	132.17	62.062	-588.42	6,375.10	1,743.14	1,501.40	
16,629.37	10,175.00	15,601.39	9,360.00	137.19	132.77	62.062	-588.34	6,404.46	1,743.14	1,500.32	
16,700.00	10,175.00	15,672.02	9,360.00	138.62	134.22	62.062	-588.13	6,475.10	1,743.14	1,497.74	
16,729.37	10,175.00	15,701.39	9,360.00	139.22	134.82	62.062	-588.04	6,504.46	1,743.14	1,496.66	
16,800.00	10,175.00	15,772.02	9,360.00	140.66	136.26	62.062	-587.84	6,575.09	1,743.14	1,494.07	
16,829.37	10,175.00	15,801.39	9,360.00	141.25	136.87	62.062	-587.75	6,604.46	1,743.14	1,492.99	
16,900.00	10,175.00	15,872.02	9,360.00	142.69	138.31	62.062	-587.54	6,675.09	1,743.14	1,490.41	
16,929.37	10,175.00	15,901.39	9,360.00	143.28	138.91	62.062	-587.46	6,704.46	1,743.14	1,489.33	
17,000.00	10,175.00	15,972.02	9,360.00	144.72	140.36	62.062	-587.25	6,775.09	1,743.14	1,486.74	
17,029.37	10,175.00	16,001.39	9,360.00	145.32	140.96	62.062	-587.17	6,804.46	1,743.14	1,485.66	
17,100.00	10,175.00	16,072.02	9,360.00	146.75	142.41	62.062	-586.96	6,875.09	1,743.14	1,483.07	
17,129.37	10,175.00	16,101.39	9,360.00	147.35	143.01	62.062	-586.87	6,904.46	1,743.14	1,481.99	
17,200.00	10,175.00	16,172.02	9,360.00	148.79	144.46	62.062	-586.67	6,975.09	1,743.14	1,479.40	
17,229.37	10,175.00	16,201.39	9,360.00	149.38	145.06	62.062	-586.58	7,004.46	1,743.14	1,478.32	
17,300.00	10,175.00	16,272.02	9,360.00	150.82	146.51	62.062	-586.37	7,075.09	1,743.14	1,475.72	
17,329.37	10,175.00	16,301.39	9,360.00	151.42	147.11	62.062	-586.29	7,104.46	1,743.14	1,474.65	
17,400.00	10,175.00	16,372.02	9,360.00	152.86	148.56	62.062	-586.08	7,175.09	1,743.14	1,472.05	
17,429.37	10,175.00	16,401.39	9,360.00	153.46	149.16	62.062	-586.00	7,204.46	1,743.14	1,470.97	
17,500.00	10,175.00	16,472.02	9,360.00	154.90	150.61	62.062	-585.79	7,275.09	1,743.14	1,468.37	
17,529.37	10,175.00	16,501.39	9,360.00	155.49	151.21	62.062	-585.70	7,304.46	1,743.14	1,467.29	
17,600.00	10,175.00	16,572.02	9,360.00	156.93	152.66	62.062	-585.50	7,375.09	1,743.14	1,464.70	
17,629.37	10,175.00	16,601.39	9,360.00	157.53	153.26	62.062	-585.41	7,404.46	1,743.14	1,463.62	
17,700.00	10,175.00	16,672.02	9,360.00	158.97	154.71	62.062	-585.20	7,475.09	1,743.14	1,461.02	
17,729.37	10,175.00	16,701.39	9,360.00	159.57	155.31	62.062	-585.12	7,504.46	1,743.14	1,459.94	
17,800.00	10,175.00	16,772.02	9,360.00	161.01	156.76	62.062	-584.91	7,575.09	1,743.14	1,457.34	
17,829.37	10,175.00	16,801.39	9,360.00	161.61	157.36	62.062	-584.83	7,604.46	1,743.14	1,456.26	
17,900.00	10,175.00	16,872.02	9,360.00	163.05	158.81	62.062	-584.62	7,675.09	1,743.14	1,453.66	
17,929.37	10,175.00	16,901.39	9,360.00	163.65	159.42	62.062	-584.53	7,704.46	1,743.14	1,452.58	
18,000.00	10,175.00	16,972.02	9,360.00	165.09	160.87	62.062	-584.33	7,775.09	1,743.14	1,449.98	
18,029.37	10,175.00	17,001.39	9,360.00	165.69	161.47	62.062	-584.24	7,804.46	1,743.14	1,448.90	
18,100.00	10,175.00	17,072.02	9,360.00	167.14	162.92	62.062	-584.03	7,875.09	1,743.14	1,446.30	
18,129.37	10,175.00	17,101.39	9,360.00	167.74	163.52	62.062	-583.95	7,904.46	1,743.14	1,445.21	
18,200.00	10,175.00	17,172.02	9,360.00	169.18	164.97	62.062	-583.74	7,975.09	1,743.14	1,442.61	
18,229.37	10,175.00	17,201.39	9,360.00	169.78	165.58	62.062	-583.66	8,004.46	1,743.14	1,441.53	
18,300.00	10,175.00	17,272.02	9,360.00	171.22	167.03	62.062	-583.45	8,075.09	1,743.14	1,438.93	
18,329.37	10,175.00	17,301.39	9,360.00	171.82	167.63	62.062	-583.36	8,104.46	1,743.14	1,437.84	
18,400.00	10,175.00	17,372.02	9,360.00	173.27	169.08	62.062	-583.16	8,175.09	1,743.14	1,435.24	
18,429.37	10,175.00	17,401.39	9,360.00	173.87	169.68	62.062	-583.07	8,204.46	1,743.14	1,434.16	
18,500.00	10,175.00	17,472.02	9,360.00	175.31	171.14	62.062	-582.86	8,275.09	1,743.14	1,431.55	
18,529.37	10,175.00	17,501.39	9,360.00	175.91	171.74	62.062	-582.78	8,304.45	1,743.14	1,430.47	
18,600.00	10,175.00	17,572.02	9,360.00	177.36	173.19	62.062	-582.57	8,375.09	1,743.14	1,427.87	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)			
18,629.37	10,175.00	17,601.39	9,360.00	177.96	173.80	62.062	-582.49	8,404.45	1,743.14	1,426.78	316.36	5.510	
18,700.00	10,175.00	17,672.02	9,360.00	179.40	175.25	62.062	-582.28	8,475.09	1,743.14	1,424.18	318.96	5.465	
18,729.37	10,175.00	17,701.39	9,360.00	180.00	175.85	62.062	-582.19	8,504.45	1,743.14	1,423.09	320.05	5.446	
18,800.00	10,175.00	17,772.02	9,360.00	181.45	177.30	62.062	-581.99	8,575.09	1,743.14	1,420.49	322.65	5.403	
18,829.37	10,175.00	17,801.39	9,360.00	182.05	177.91	62.062	-581.90	8,604.45	1,743.14	1,419.40	323.74	5.384	
18,900.00	10,175.00	17,872.02	9,360.00	183.50	179.36	62.062	-581.69	8,675.09	1,743.14	1,416.80	326.34	5.341	
18,929.37	10,175.00	17,901.39	9,360.00	184.10	179.96	62.062	-581.61	8,704.45	1,743.14	1,415.71	327.43	5.324	
19,000.00	10,175.00	17,972.02	9,360.00	185.54	181.42	62.062	-581.40	8,775.09	1,743.14	1,413.11	330.04	5.282	
19,029.37	10,175.00	18,001.39	9,360.00	186.14	182.02	62.062	-581.32	8,804.45	1,743.14	1,412.02	331.12	5.264	
19,100.00	10,175.00	18,072.02	9,360.00	187.59	183.47	62.062	-581.11	8,875.08	1,743.14	1,409.42	333.73	5.223	
19,129.37	10,175.00	18,101.39	9,360.00	188.19	184.08	62.062	-581.02	8,904.45	1,743.14	1,408.33	334.81	5.206	
19,200.00	10,175.00	18,172.02	9,360.00	189.64	185.53	62.062	-580.82	8,975.08	1,743.14	1,405.72	337.42	5.166	
19,229.37	10,175.00	18,201.39	9,360.00	190.24	186.13	62.062	-580.73	9,004.45	1,743.14	1,404.64	338.50	5.150	
19,300.00	10,175.00	18,272.02	9,360.00	191.69	187.59	62.062	-580.52	9,075.08	1,743.14	1,402.03	341.11	5.110	
19,329.37	10,175.00	18,301.39	9,360.00	192.29	188.19	62.062	-580.44	9,104.45	1,743.14	1,400.95	342.20	5.094	
19,400.00	10,175.00	18,372.02	9,360.00	193.74	189.65	62.062	-580.23	9,175.08	1,743.14	1,398.34	344.81	5.055	
19,429.37	10,175.00	18,401.39	9,360.00	194.34	190.25	62.062	-580.14	9,204.45	1,743.14	1,397.25	345.89	5.040	
19,500.00	10,175.00	18,472.02	9,360.00	195.79	191.70	62.062	-579.94	9,275.08	1,743.14	1,394.64	348.50	5.002	
19,529.37	10,175.00	18,501.39	9,360.00	196.39	192.31	62.062	-579.85	9,304.45	1,743.14	1,393.56	349.59	4.986	
19,600.00	10,175.00	18,572.02	9,360.00	197.84	193.76	62.062	-579.65	9,375.08	1,743.14	1,390.95	352.20	4.949	
19,629.37	10,175.00	18,601.39	9,360.00	198.44	194.37	62.062	-579.56	9,404.45	1,743.14	1,389.86	353.28	4.934	
19,700.00	10,175.00	18,672.02	9,360.00	199.89	195.82	62.062	-579.35	9,475.08	1,743.14	1,387.25	355.89	4.898	
19,729.37	10,175.00	18,701.39	9,360.00	200.49	196.42	62.062	-579.27	9,504.45	1,743.14	1,386.16	356.98	4.883	
19,800.00	10,175.00	18,772.02	9,360.00	201.94	197.88	62.062	-579.06	9,575.08	1,743.14	1,383.55	359.59	4.848	
19,829.37	10,175.00	18,801.39	9,360.00	202.54	198.48	62.062	-578.97	9,604.45	1,743.14	1,382.47	360.67	4.833	
19,900.00	10,175.00	18,872.02	9,360.00	203.99	199.94	62.062	-578.77	9,675.08	1,743.14	1,379.86	363.29	4.798	
19,929.37	10,175.00	18,901.39	9,360.00	204.59	200.54	62.062	-578.68	9,704.45	1,743.14	1,378.77	364.37	4.784	
20,000.00	10,175.00	18,972.02	9,360.00	206.04	202.00	62.062	-578.48	9,775.08	1,743.14	1,376.16	366.98	4.750	
20,029.37	10,175.00	19,001.39	9,360.00	206.64	202.60	62.062	-578.39	9,804.45	1,743.14	1,375.07	368.07	4.736	
20,100.00	10,175.00	19,072.02	9,360.00	208.09	204.06	62.062	-578.18	9,875.08	1,743.14	1,372.46	370.68	4.703	
20,129.37	10,175.00	19,101.39	9,360.00	208.69	204.66	62.062	-578.10	9,904.45	1,743.14	1,371.37	371.77	4.689	
20,200.00	10,175.00	19,172.02	9,360.00	210.14	206.12	62.062	-577.89	9,975.08	1,743.14	1,368.76	374.38	4.656	
20,229.37	10,175.00	19,201.39	9,360.00	210.75	206.72	62.062	-577.80	10,004.45	1,743.14	1,367.68	375.47	4.643	
20,300.00	10,175.00	19,272.02	9,360.00	212.20	208.18	62.062	-577.60	10,075.08	1,743.14	1,365.06	378.08	4.611	
20,329.37	10,175.00	19,301.39	9,360.00	212.80	208.78	62.062	-577.51	10,104.45	1,743.14	1,363.98	379.17	4.597	
20,400.00	10,175.00	19,372.02	9,360.00	214.25	210.24	62.062	-577.31	10,175.08	1,743.14	1,361.36	381.78	4.566	
20,429.37	10,175.00	19,401.39	9,360.00	214.85	210.84	62.062	-577.22	10,204.45	1,743.14	1,360.28	382.87	4.553	
20,500.00	10,175.00	19,472.02	9,360.00	216.30	212.30	62.062	-577.01	10,275.08	1,743.14	1,357.66	385.48	4.522	
20,529.37	10,175.00	19,501.39	9,360.00	216.91	212.90	62.062	-576.93	10,304.45	1,743.14	1,356.58	386.57	4.509	
20,600.00	10,175.00	19,572.02	9,360.00	218.36	214.36	62.062	-576.72	10,375.08	1,743.14	1,353.96	389.18	4.479	
20,629.37	10,175.00	19,601.39	9,360.00	218.96	214.96	62.062	-576.63	10,404.45	1,743.14	1,352.88	390.27	4.467	
20,700.00	10,175.00	19,672.02	9,360.00	220.41	216.42	62.062	-576.43	10,475.08	1,743.14	1,350.26	392.88	4.437	
20,729.37	10,175.00	19,701.39	9,360.00	221.01	217.02	62.062	-576.34	10,504.45	1,743.14	1,349.17	393.97	4.425	
20,800.00	10,175.00	19,772.02	9,360.00	222.47	218.48	62.062	-576.14	10,575.08	1,743.14	1,346.56	396.58	4.395	
20,829.37	10,175.00	19,801.39	9,360.00	223.07	219.08	62.062	-576.05	10,604.45	1,743.14	1,345.47	397.67	4.383	
20,900.00	10,175.00	19,872.02	9,360.00	224.52	220.54	62.062	-575.84	10,675.08	1,743.14	1,342.86	400.29	4.355	
20,929.37	10,175.00	19,901.39	9,360.00	225.12	221.14	62.062	-575.76	10,704.44	1,743.14	1,341.77	401.37	4.343	
21,000.00	10,175.00	19,972.02	9,360.00	226.57	222.60	62.062	-575.55	10,775.08	1,743.14	1,339.15	403.99	4.315	
21,029.37	10,175.00	20,001.39	9,360.00	227.18	223.21	62.062	-575.46	10,804.44	1,743.14	1,338.07	405.08	4.303	
21,100.00	10,175.00	20,072.02	9,360.00	228.63	224.66	62.062	-575.26	10,875.08	1,743.14	1,335.45	407.69	4.276	
21,129.37	10,175.00	20,101.39	9,360.00	229.23	225.27	62.062	-575.17	10,904.44	1,743.14	1,334.36	408.78	4.264	
21,200.00	10,175.00	20,172.02	9,360.00	230.69	226.72	62.062	-574.96	10,975.08	1,743.14	1,331.75	411.39	4.237	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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)	Minimum Separation (usft)	Separation Factor	
21,229.37	10,175.00	20,201.39	9,360.00	231.29	227.33	62.062	-574.88	11,004.44	1,743.14	1,330.66	412.48	4.226	
21,300.00	10,175.00	20,272.02	9,360.00	232.74	228.78	62.062	-574.67	11,075.08	1,743.14	1,328.04	415.10	4.199	
21,329.37	10,175.00	20,301.39	9,360.00	233.34	229.39	62.062	-574.59	11,104.44	1,743.14	1,326.96	416.19	4.188	
21,400.00	10,175.00	20,372.02	9,360.00	234.80	230.85	62.062	-574.38	11,175.08	1,743.14	1,324.34	418.80	4.162	
21,429.37	10,175.00	20,401.39	9,360.00	235.40	231.45	62.062	-574.29	11,204.44	1,743.14	1,323.25	419.89	4.151	
21,500.00	10,175.00	20,472.02	9,360.00	236.85	232.91	62.062	-574.09	11,275.07	1,743.14	1,320.64	422.51	4.126	
21,529.37	10,175.00	20,501.39	9,360.00	237.46	233.51	62.062	-574.00	11,304.44	1,743.14	1,319.55	423.60	4.115	
21,600.00	10,175.00	20,572.02	9,360.00	238.91	234.97	62.062	-573.79	11,375.07	1,743.14	1,316.93	426.21	4.090	
21,629.37	10,175.00	20,601.39	9,360.00	239.51	235.58	62.062	-573.71	11,404.44	1,743.14	1,315.84	427.30	4.079	
21,700.00	10,175.00	20,672.02	9,360.00	240.97	237.03	62.062	-573.50	11,475.07	1,743.14	1,313.23	429.92	4.055	
21,729.37	10,175.00	20,701.39	9,360.00	241.57	237.64	62.062	-573.42	11,504.44	1,743.14	1,312.14	431.01	4.044	
21,800.00	10,175.00	20,772.02	9,360.00	243.02	239.09	62.062	-573.21	11,575.07	1,743.14	1,309.52	433.62	4.020	
21,829.37	10,175.00	20,801.39	9,360.00	243.63	239.70	62.062	-573.12	11,604.44	1,743.14	1,308.43	434.71	4.010	
21,900.00	10,175.00	20,872.02	9,360.00	245.08	241.16	62.062	-572.92	11,675.07	1,743.14	1,305.81	437.33	3.986	
21,929.37	10,175.00	20,901.39	9,360.00	245.68	241.76	62.062	-572.83	11,704.44	1,743.14	1,304.73	438.42	3.976	
22,000.00	10,175.00	20,972.02	9,360.00	247.14	243.22	62.062	-572.62	11,775.07	1,743.14	1,302.11	441.04	3.952	
22,029.37	10,175.00	21,001.39	9,360.00	247.74	243.83	62.062	-572.54	11,804.44	1,743.14	1,301.02	442.12	3.943	
22,100.00	10,175.00	21,072.02	9,360.00	249.19	245.28	62.062	-572.33	11,875.07	1,743.14	1,298.40	444.74	3.919	
22,129.37	10,175.00	21,101.39	9,360.00	249.80	245.89	62.062	-572.25	11,904.44	1,743.14	1,297.31	445.83	3.910	
22,200.00	10,175.00	21,172.02	9,360.00	251.25	247.35	62.062	-572.04	11,975.07	1,743.14	1,294.69	448.45	3.887	
22,229.37	10,175.00	21,201.39	9,360.00	251.86	247.95	62.062	-571.95	12,004.44	1,743.14	1,293.61	449.54	3.878	
22,300.00	10,175.00	21,272.02	9,360.00	253.31	249.41	62.062	-571.75	12,075.07	1,743.14	1,290.99	452.16	3.855	
22,329.37	10,175.00	21,301.39	9,360.00	253.91	250.01	62.062	-571.66	12,104.44	1,743.14	1,289.90	453.24	3.846	
22,400.00	10,175.00	21,372.02	9,360.00	255.37	251.47	62.062	-571.45	12,175.07	1,743.14	1,287.28	455.86	3.824	
22,429.37	10,175.00	21,401.39	9,360.00	255.97	252.08	62.062	-571.37	12,204.44	1,743.14	1,286.19	456.95	3.815	
22,500.00	10,175.00	21,472.02	9,360.00	257.43	253.53	62.062	-571.16	12,275.07	1,743.14	1,283.57	459.57	3.793	
22,529.37	10,175.00	21,501.39	9,360.00	258.03	254.14	62.062	-571.08	12,304.44	1,743.14	1,282.48	460.66	3.784	
22,600.00	10,175.00	21,572.02	9,360.00	259.48	255.60	62.062	-570.87	12,375.07	1,743.14	1,279.86	463.28	3.763	
22,629.37	10,175.00	21,601.39	9,360.00	260.09	256.20	62.062	-570.78	12,404.44	1,743.14	1,278.77	464.37	3.754	
22,700.00	10,175.00	21,672.02	9,360.00	261.54	257.66	62.062	-570.58	12,475.07	1,743.14	1,276.15	466.99	3.733	
22,729.37	10,175.00	21,701.39	9,360.00	262.15	258.27	62.062	-570.49	12,504.44	1,743.14	1,275.07	468.08	3.724	
22,800.00	10,175.00	21,772.02	9,360.00	263.60	259.72	62.062	-570.28	12,575.07	1,743.14	1,272.45	470.70	3.703	
22,829.37	10,175.00	21,801.39	9,360.00	264.21	260.33	62.062	-570.20	12,604.44	1,743.14	1,271.36	471.79	3.695	
22,900.00	10,175.00	21,872.02	9,360.00	265.66	261.79	62.062	-569.99	12,675.07	1,743.14	1,268.74	474.41	3.674	
22,929.37	10,175.00	21,901.39	9,360.00	266.27	262.39	62.062	-569.91	12,704.44	1,743.14	1,267.65	475.49	3.666	
23,000.00	10,175.00	21,972.02	9,360.00	267.72	263.85	62.062	-569.70	12,775.07	1,743.14	1,265.03	478.11	3.646	
23,029.37	10,175.00	22,001.39	9,360.00	268.32	264.46	62.062	-569.61	12,804.44	1,743.14	1,263.94	479.20	3.638	
23,100.00	10,175.00	22,072.02	9,360.00	269.78	265.92	62.062	-569.41	12,875.07	1,743.14	1,261.32	481.82	3.618	
23,129.37	10,175.00	22,101.39	9,360.00	270.38	266.52	62.062	-569.32	12,904.44	1,743.14	1,260.23	482.91	3.610	
23,200.00	10,175.00	22,172.02	9,360.00	271.84	267.98	62.062	-569.11	12,975.07	1,743.14	1,257.61	485.53	3.590	
23,229.37	10,175.00	22,201.39	9,360.00	272.44	268.59	62.062	-569.03	13,004.43	1,743.14	1,256.52	486.62	3.582	
23,300.00	10,175.00	22,272.02	9,360.00	273.90	270.04	62.062	-568.82	13,075.07	1,743.14	1,253.90	489.24	3.563	
23,329.37	10,175.00	22,301.39	9,360.00	274.50	270.65	62.062	-568.74	13,104.43	1,743.14	1,252.81	490.33	3.555	
23,400.00	10,175.00	22,372.02	9,360.00	275.96	272.11	62.062	-568.53	13,175.07	1,743.14	1,250.19	492.95	3.536	
23,429.37	10,175.00	22,401.39	9,360.00	276.56	272.71	62.062	-568.44	13,204.43	1,743.14	1,249.10	494.04	3.528	
23,500.00	10,175.00	22,472.02	9,360.00	278.02	274.17	62.062	-568.24	13,275.07	1,743.14	1,246.48	496.66	3.510	
23,529.37	10,175.00	22,501.39	9,360.00	278.62	274.78	62.062	-568.15	13,304.43	1,743.14	1,245.39	497.75	3.502	
23,600.00	10,175.00	22,572.02	9,360.00	280.08	276.24	62.062	-567.94	13,375.07	1,743.14	1,242.77	500.37	3.484	
23,629.37	10,175.00	22,601.39	9,360.00	280.68	276.84	62.062	-567.86	13,404.43	1,743.14	1,241.68	501.46	3.476	
23,700.00	10,175.00	22,672.02	9,360.00	282.14	278.30	62.062	-567.65	13,475.07	1,743.14	1,239.06	504.09	3.458	
23,729.37	10,175.00	22,701.39	9,360.00	282.74	278.91	62.062	-567.57	13,504.43	1,743.14	1,237.97	505.17	3.451	
23,773.96	10,175.00	22,745.98	9,360.00	283.66	279.83	62.062	-567.43	13,549.02	1,743.14	1,236.31	506.83	3.439	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
23,793.77	10,175.00	22,765.79	9,360.00	284.07	280.24	62.062	-567.38	13,568.84	1,743.14	1,235.58	507.56	3.434 SF	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.14	1.14	0.00	0.01	120.741	-132.16	222.22	258.55				
100.00	100.00	101.14	101.14	0.79	0.79	120.741	-132.16	222.22	258.55	256.97	1.58	163.761	
200.00	200.00	201.14	201.14	1.45	1.45	120.741	-132.16	222.22	258.55	255.65	2.90	89.239	
300.00	300.00	301.14	301.14	1.89	1.90	120.741	-132.16	222.22	258.55	254.76	3.79	68.264	
400.00	400.00	401.14	401.14	2.25	2.26	120.741	-132.16	222.22	258.55	254.04	4.51	57.316	
500.00	500.00	501.14	501.14	2.57	2.57	120.741	-132.16	222.22	258.55	253.41	5.14	50.315	
600.00	600.00	601.14	601.14	2.85	2.85	120.741	-132.16	222.22	258.55	252.85	5.70	45.343	
700.00	700.00	701.14	701.14	3.11	3.11	120.741	-132.16	222.22	258.55	252.33	6.22	41.574	
800.00	800.00	801.14	801.14	3.35	3.35	120.741	-132.16	222.22	258.55	251.85	6.70	38.588	
900.00	900.00	901.14	901.14	3.58	3.58	120.741	-132.16	222.22	258.55	251.40	7.15	36.147	
1,000.00	1,000.00	1,001.14	1,001.14	3.79	3.79	120.741	-132.16	222.22	258.55	250.97	7.58	34.101	
1,100.00	1,100.00	1,101.14	1,101.14	3.99	4.00	120.741	-132.16	222.22	258.55	250.56	7.99	32.354	
1,200.00	1,200.00	1,201.14	1,201.14	4.19	4.19	120.741	-132.16	222.22	258.55	250.17	8.38	30.839	
1,300.00	1,300.00	1,301.14	1,301.14	4.38	4.38	120.741	-132.16	222.22	258.55	249.79	8.76	29.509	
1,400.00	1,400.00	1,401.14	1,401.14	4.56	4.56	120.741	-132.16	222.22	258.55	249.42	9.13	28.328	
1,500.00	1,500.00	1,501.14	1,501.14	4.74	4.74	120.741	-132.16	222.22	258.55	249.07	9.48	27.270	
1,600.00	1,600.00	1,601.14	1,601.14	4.91	4.91	120.741	-132.16	222.22	258.55	248.72	9.83	26.315	
1,700.00	1,700.00	1,701.14	1,701.14	5.08	5.08	120.741	-132.16	222.22	258.55	248.39	10.16	25.447	
1,800.00	1,800.00	1,801.14	1,801.14	5.24	5.24	120.741	-132.16	222.22	258.55	248.06	10.49	24.654	
1,900.00	1,900.00	1,901.14	1,901.14	5.40	5.40	120.741	-132.16	222.22	258.55	247.74	10.81	23.926	
2,000.00	2,000.00	2,001.14	2,001.14	5.56	5.56	120.741	-132.16	222.22	258.55	247.43	11.12	23.253 CC	
2,100.00	2,099.98	2,101.12	2,101.12	5.80	5.71	133.439	-132.16	222.22	259.75	248.28	11.47	22.652	
2,200.00	2,199.84	2,200.98	2,200.98	6.05	5.86	134.213	-132.16	222.22	263.37	251.56	11.82	22.291	
2,300.00	2,299.45	2,300.59	2,300.59	6.31	6.01	135.452	-132.16	222.22	269.53	257.36	12.17	22.144	
2,400.00	2,398.70	2,399.84	2,399.84	6.59	6.15	137.084	-132.16	222.22	278.37	265.83	12.54	22.193	
2,500.00	2,497.47	2,498.61	2,498.61	6.89	6.30	139.023	-132.16	222.22	290.07	277.14	12.93	22.427	
2,600.00	2,595.63	2,607.91	2,607.89	7.17	6.53	141.375	-130.55	220.98	303.04	289.63	13.41	22.599	
2,700.00	2,693.50	2,718.32	2,718.11	7.52	6.78	143.711	-125.59	217.13	313.89	299.92	13.97	22.465	
2,800.00	2,791.37	2,825.77	2,825.08	7.80	7.03	145.712	-117.67	210.99	321.54	307.06	14.48	22.206	
2,900.00	2,889.25	2,925.03	2,923.82	8.10	7.31	147.449	-109.62	204.76	328.61	313.55	15.06	21.823	
3,000.00	2,987.12	3,024.28	3,022.55	8.42	7.51	149.112	-101.58	198.52	335.97	320.40	15.57	21.572	
3,100.00	3,085.00	3,123.54	3,121.29	8.76	7.72	150.703	-93.53	192.28	343.61	327.49	16.12	21.310	
3,200.00	3,182.87	3,222.80	3,220.03	9.10	7.95	152.224	-85.49	186.05	351.50	334.80	16.71	21.042	
3,300.00	3,280.75	3,322.06	3,318.76	9.46	8.19	153.678	-77.44	179.81	359.63	342.32	17.31	20.771	
3,400.00	3,378.62	3,421.32	3,417.50	9.82	8.45	155.068	-69.39	173.58	367.98	350.03	17.95	20.504	
3,500.00	3,476.49	3,520.58	3,516.23	10.20	8.71	156.395	-61.35	167.34	376.54	357.93	18.60	20.241	
3,600.00	3,574.37	3,619.84	3,614.97	10.58	8.99	157.664	-53.30	161.11	385.29	366.01	19.28	19.986	
3,700.00	3,672.24	3,719.10	3,713.71	10.97	9.27	158.876	-45.26	154.87	394.22	374.25	19.97	19.741	
3,800.00	3,770.12	3,818.36	3,812.44	11.37	9.57	160.034	-37.21	148.64	403.31	382.64	20.68	19.506	
3,900.00	3,867.99	3,917.62	3,911.18	11.77	9.87	161.141	-29.16	142.40	412.57	391.17	21.40	19.283	
4,000.00	3,965.87	4,016.88	4,009.91	12.18	10.17	162.199	-21.12	136.16	421.97	399.85	22.13	19.071	
4,100.00	4,063.74	4,116.14	4,108.65	12.59	10.49	163.211	-13.07	129.93	431.51	408.64	22.87	18.870	
4,200.00	4,161.61	4,215.39	4,207.38	13.00	10.81	164.179	-5.02	123.69	441.18	417.56	23.62	18.682	
4,300.00	4,259.49	4,314.65	4,306.12	13.42	11.13	165.106	3.02	117.46	450.97	426.60	24.37	18.504	
4,400.00	4,357.36	4,413.91	4,404.86	13.85	11.46	165.993	11.07	111.22	460.87	435.74	25.13	18.337	
4,500.00	4,455.24	4,513.17	4,503.59	14.27	11.79	166.843	19.11	104.99	470.87	444.98	25.90	18.181	
4,600.00	4,553.11	4,612.43	4,602.33	14.70	12.13	167.657	27.16	98.75	480.98	454.31	26.67	18.034	
4,700.00	4,650.99	4,711.69	4,701.06	15.14	12.47	168.438	35.21	92.51	491.18	463.73	27.44	17.897	
4,800.00	4,748.86	4,810.95	4,799.80	15.57	12.82	169.188	43.25	86.28	501.46	473.24	28.22	17.768	
4,900.00	4,846.73	4,910.21	4,898.53	16.01	13.17	169.907	51.30	80.04	511.83	482.83	29.00	17.648	
5,000.00	4,944.61	5,009.47	4,997.27	16.45	13.52	170.597	59.35	73.81	522.27	492.49	29.78	17.536	
5,100.00	5,042.48	5,108.73	5,096.01	16.89	13.87	171.261	67.39	67.57	532.79	502.22	30.57	17.430	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - 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
5,200.00	5,140.36	5,207.99	5,194.74	17.33	14.23	171.899	75.44	61.34	543.37	512.02	31.35	17.332	
5,300.00	5,238.23	5,307.25	5,293.48	17.78	14.59	172.512	83.48	55.10	554.02	521.88	32.14	17.239	
5,400.00	5,336.11	5,406.50	5,392.21	18.22	14.95	173.103	91.53	48.87	564.73	531.80	32.92	17.153	
5,500.00	5,433.98	5,505.76	5,490.95	18.67	15.31	173.671	99.58	42.63	575.49	541.78	33.71	17.072	
5,600.00	5,531.85	5,605.02	5,589.69	19.12	15.67	174.219	107.62	36.39	586.31	551.81	34.50	16.996	
5,700.00	5,629.73	5,704.28	5,688.42	19.57	16.04	174.746	115.67	30.16	597.18	561.90	35.28	16.925	
5,800.00	5,727.60	5,803.54	5,787.16	20.02	16.41	175.255	123.72	23.92	608.10	572.03	36.07	16.858	
5,900.00	5,825.48	5,902.80	5,885.89	20.47	16.78	175.746	131.76	17.69	619.07	582.21	36.86	16.796	
6,000.00	5,923.35	6,002.06	5,984.63	20.92	17.15	176.220	139.81	11.45	630.08	592.43	37.65	16.737	
6,100.00	6,021.23	6,101.32	6,083.36	21.38	17.52	176.677	147.85	5.22	641.13	602.69	38.43	16.682	
6,200.00	6,119.10	6,200.58	6,182.10	21.83	17.89	177.120	155.90	-1.02	652.21	613.00	39.22	16.631	
6,300.00	6,216.97	6,299.84	6,280.84	22.29	18.27	177.547	163.95	-7.26	663.34	623.34	40.00	16.582	
6,400.00	6,314.85	6,399.10	6,379.57	22.75	18.64	177.960	171.99	-13.49	674.50	633.71	40.79	16.536	
6,500.00	6,412.72	6,498.36	6,478.31	23.20	19.02	178.360	180.04	-19.73	685.70	644.12	41.57	16.493	
6,600.00	6,510.60	6,597.61	6,577.04	23.66	19.40	178.747	188.09	-25.96	696.92	654.57	42.36	16.453	
6,700.00	6,608.55	6,696.92	6,675.82	24.10	19.78	179.123	196.13	-32.20	707.80	664.67	43.12	16.413	
6,800.00	6,707.06	6,796.50	6,774.88	24.57	20.16	179.485	204.21	-38.46	715.71	671.80	43.91	16.299	
6,900.00	6,806.10	6,892.95	6,870.82	25.01	20.51	179.825	212.00	-44.49	720.22	675.58	44.64	16.134	
7,000.00	6,905.57	6,974.30	6,951.89	25.42	20.83	-179.944	217.35	-48.64	722.96	677.71	45.25	15.977	
7,100.00	7,005.33	7,055.69	7,033.15	25.80	21.12	-179.793	220.89	-51.38	724.79	679.01	45.78	15.831	
7,200.00	7,105.27	7,137.09	7,114.52	26.12	21.32	-179.720	222.60	-52.71	725.70	679.53	46.16	15.720	
7,300.00	7,205.27	7,228.98	7,206.41	26.19	21.39	167.853	222.77	-52.85	725.80	679.56	46.24	15.697	
7,400.00	7,305.27	7,328.98	7,306.41	26.23	21.45	167.853	222.77	-52.85	725.80	679.46	46.34	15.661	
7,500.00	7,405.27	7,428.98	7,406.41	26.28	21.50	167.853	222.77	-52.85	725.80	679.36	46.45	15.626	
7,600.00	7,505.27	7,528.98	7,506.41	26.32	21.55	167.853	222.77	-52.85	725.80	679.25	46.55	15.591	
7,700.00	7,605.27	7,628.98	7,606.41	26.37	21.61	167.853	222.77	-52.85	725.80	679.15	46.66	15.557	
7,800.00	7,705.27	7,728.98	7,706.41	26.42	21.66	167.853	222.77	-52.85	725.80	679.04	46.76	15.522	
7,900.00	7,805.27	7,828.98	7,806.41	26.46	21.72	167.853	222.77	-52.85	725.80	678.94	46.87	15.487	
8,000.00	7,905.27	7,928.98	7,906.41	26.51	21.77	167.853	222.77	-52.85	725.80	678.83	46.97	15.452	
8,100.00	8,005.27	8,028.98	8,006.41	26.56	21.83	167.853	222.77	-52.85	725.80	678.73	47.08	15.418	
8,200.00	8,105.27	8,128.98	8,106.41	26.60	21.88	167.853	222.77	-52.85	725.80	678.62	47.18	15.383	
8,300.00	8,205.27	8,228.98	8,206.41	26.65	21.93	167.853	222.77	-52.85	725.80	678.51	47.29	15.349	
8,400.00	8,305.27	8,328.98	8,306.41	26.70	21.99	167.853	222.77	-52.85	725.80	678.41	47.39	15.314	
8,500.00	8,405.27	8,428.98	8,406.41	26.74	22.04	167.853	222.77	-52.85	725.80	678.30	47.50	15.280	
8,600.00	8,505.27	8,528.98	8,506.41	26.79	22.10	167.853	222.77	-52.85	725.80	678.19	47.61	15.245	
8,700.00	8,605.27	8,628.98	8,606.41	26.84	22.16	167.853	222.77	-52.85	725.80	678.09	47.72	15.211	
8,800.00	8,705.27	8,728.98	8,706.41	26.89	22.21	167.853	222.77	-52.85	725.80	677.98	47.82	15.176	
8,900.00	8,805.27	8,828.98	8,806.41	26.94	22.27	167.853	222.77	-52.85	725.80	677.87	47.93	15.142	
9,000.00	8,905.27	8,928.98	8,906.41	26.98	22.32	167.853	222.77	-52.85	725.80	677.76	48.04	15.108	
9,100.00	9,005.27	9,028.98	9,006.41	27.03	22.38	167.853	222.77	-52.85	725.80	677.65	48.15	15.074	
9,200.00	9,105.27	9,128.98	9,106.41	27.08	22.44	167.853	222.77	-52.85	725.80	677.54	48.26	15.040	
9,300.00	9,205.27	9,228.98	9,206.41	27.13	22.49	167.853	222.77	-52.85	725.80	677.43	48.37	15.006	
9,400.00	9,305.27	9,328.98	9,306.41	27.18	22.55	167.853	222.77	-52.85	725.80	677.33	48.48	14.972	
9,500.00	9,405.27	9,428.98	9,406.41	27.23	22.61	167.853	222.77	-52.85	725.80	677.22	48.59	14.938	
9,600.00	9,505.27	9,528.98	9,506.41	27.28	22.66	167.853	222.77	-52.85	725.80	677.11	48.70	14.904	
9,699.65	9,604.92	9,627.80	9,605.23	27.33	22.70	78.041	222.77	-52.84	725.75	676.96	48.79	14.875	
9,700.00	9,605.27	9,628.07	9,605.50	27.33	22.70	78.020	222.77	-52.83	725.80	677.01	48.79	14.876	
9,800.00	9,704.71	9,707.30	9,684.44	27.30	22.61	78.165	222.79	-46.89	725.44	676.87	48.57	14.937	
9,900.00	9,801.04	9,786.82	9,762.09	27.25	22.48	78.602	222.84	-30.04	724.35	676.10	48.26	15.011	
10,000.00	9,891.31	9,866.93	9,837.21	27.22	22.34	79.324	222.92	-2.36	722.64	674.71	47.93	15.076	
10,100.00	9,972.80	9,950.00	9,910.22	27.22	22.20	80.338	223.04	37.09	720.46	672.78	47.69	15.109	
10,200.00	10,043.02	10,030.27	9,974.65	27.30	22.10	81.560	223.18	84.86	718.00	670.48	47.52	15.110	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - 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)			
10,244.64	10,070.16	10,067.51	10,002.14	27.38	22.07	82.190	223.25	109.98	716.87	669.34	47.53	15.082	
10,300.00	10,099.85	10,114.22	10,034.20	27.48	22.05	83.029	223.35	143.92	715.50	667.90	47.60	15.033	
10,340.90	10,118.81	10,150.00	10,056.84	27.61	22.04	83.703	223.43	171.63	714.52	666.78	47.74	14.966	
10,400.00	10,141.54	10,200.00	10,085.48	27.80	22.07	84.689	223.55	212.59	713.21	665.22	47.99	14.862	
10,438.75	10,153.35	10,234.26	10,102.99	27.98	22.12	85.383	223.64	242.02	712.44	664.16	48.28	14.757	
10,500.00	10,166.85	10,288.86	10,127.18	28.27	22.24	86.517	223.78	290.96	711.39	662.58	48.81	14.574	
10,538.29	10,172.06	10,323.60	10,140.10	28.51	22.34	87.244	223.87	323.20	710.87	661.61	49.26	14.431	
10,600.00	10,175.00	10,380.60	10,157.00	28.90	22.56	88.455	224.03	377.61	710.27	660.19	50.08	14.182	
10,639.89	10,175.00	10,418.52	10,165.21	29.20	22.75	89.118	224.14	414.63	710.08	659.37	50.72	14.001	
10,700.00	10,175.00	10,477.39	10,173.06	29.65	23.09	89.751	224.31	472.95	710.00	658.30	51.71	13.732	
10,744.54	10,175.00	10,521.74	10,174.99	30.04	23.39	89.907	224.44	517.24	710.00	657.51	52.49	13.528	
10,747.31	10,175.00	10,524.50	10,175.00	30.07	23.41	89.908	224.45	520.00	710.00	657.46	52.53	13.515	
10,800.00	10,175.00	10,577.19	10,175.00	30.53	23.83	89.908	224.60	572.69	710.00	656.51	53.48	13.275	
10,823.31	10,175.00	10,600.51	10,175.00	30.76	24.02	89.908	224.67	596.00	710.00	656.07	53.93	13.165	
10,900.00	10,175.00	10,677.19	10,175.00	31.52	24.73	89.908	224.90	672.69	710.00	654.50	55.50	12.792	
10,923.31	10,175.00	10,700.51	10,175.00	31.78	24.95	89.908	224.96	696.00	710.00	653.99	56.00	12.678	
11,000.00	10,175.00	10,777.19	10,175.00	32.61	25.77	89.908	225.19	772.69	710.00	652.25	57.75	12.295	
11,023.31	10,175.00	10,800.51	10,175.00	32.89	26.02	89.908	225.26	796.00	710.00	651.70	58.30	12.178	
11,100.00	10,175.00	10,877.19	10,175.00	33.79	26.93	89.908	225.48	872.69	710.00	649.80	60.20	11.794	
11,123.31	10,175.00	10,900.51	10,175.00	34.09	27.21	89.908	225.55	896.00	710.00	649.20	60.79	11.679	
11,200.00	10,175.00	10,977.19	10,175.00	35.06	28.21	89.908	225.77	972.69	710.00	647.17	62.83	11.301	
11,223.31	10,175.00	11,000.51	10,175.00	35.37	28.52	89.908	225.84	996.00	710.00	646.54	63.46	11.188	
11,300.00	10,175.00	11,077.19	10,175.00	36.40	29.59	89.908	226.07	1,072.69	710.00	644.39	65.61	10.821	
11,323.31	10,175.00	11,100.51	10,175.00	36.73	29.92	89.908	226.13	1,096.00	710.00	643.72	66.28	10.712	
11,400.00	10,175.00	11,177.19	10,175.00	37.80	31.06	89.908	226.36	1,172.69	710.00	641.46	68.53	10.360	
11,423.31	10,175.00	11,200.51	10,175.00	38.14	31.40	89.908	226.43	1,196.00	710.00	640.76	69.23	10.255	
11,500.00	10,175.00	11,277.19	10,175.00	39.27	32.59	89.908	226.65	1,272.69	710.00	638.42	71.58	9.919	
11,523.31	10,175.00	11,300.51	10,175.00	39.62	32.95	89.908	226.72	1,296.00	710.00	637.70	72.30	9.820	
11,600.00	10,175.00	11,377.19	10,175.00	40.78	34.19	89.908	226.94	1,372.69	710.00	635.27	74.73	9.501	
11,623.31	10,175.00	11,400.51	10,175.00	41.15	34.56	89.908	227.01	1,396.00	710.00	634.52	75.47	9.407	
11,700.00	10,175.00	11,477.19	10,175.00	42.35	35.83	89.908	227.24	1,472.69	710.00	632.03	77.97	9.106	
11,723.31	10,175.00	11,500.51	10,175.00	42.72	36.22	89.908	227.30	1,496.00	710.00	631.26	78.74	9.018	
11,800.00	10,175.00	11,577.19	10,175.00	43.95	37.53	89.908	227.53	1,572.69	710.00	628.71	81.29	8.734	
11,823.31	10,175.00	11,600.51	10,175.00	44.33	37.92	89.908	227.60	1,596.00	710.00	627.92	82.08	8.651	
11,900.00	10,175.00	11,677.19	10,175.00	45.59	39.26	89.908	227.82	1,672.69	710.00	625.31	84.68	8.384	
11,923.31	10,175.00	11,700.51	10,175.00	45.98	39.66	89.908	227.89	1,696.00	710.00	624.51	85.48	8.306	
12,000.00	10,175.00	11,777.19	10,175.00	47.27	41.02	89.908	228.11	1,772.69	710.00	621.86	88.14	8.055	
12,023.31	10,175.00	11,800.51	10,175.00	47.67	41.43	89.908	228.18	1,796.00	710.00	621.04	88.96	7.981	
12,100.00	10,175.00	11,877.19	10,175.00	48.98	42.81	89.908	228.41	1,872.69	710.00	618.34	91.65	7.746	
12,123.31	10,175.00	11,900.51	10,175.00	49.38	43.23	89.908	228.47	1,896.00	710.00	617.52	92.48	7.677	
12,200.00	10,175.00	11,977.19	10,175.00	50.71	44.63	89.908	228.70	1,972.69	710.00	614.78	95.22	7.456	
12,223.31	10,175.00	12,000.51	10,175.00	51.12	45.06	89.908	228.77	1,996.00	710.00	613.94	96.06	7.391	
12,300.00	10,175.00	12,077.19	10,175.00	52.47	46.47	89.908	228.99	2,072.69	710.00	611.17	98.83	7.184	
12,323.31	10,175.00	12,100.51	10,175.00	52.88	46.90	89.908	229.06	2,096.00	710.00	610.32	99.67	7.123	
12,400.00	10,175.00	12,177.19	10,175.00	54.25	48.33	89.908	229.28	2,172.69	710.00	607.52	102.48	6.928	
12,423.31	10,175.00	12,200.51	10,175.00	54.67	48.77	89.908	229.35	2,196.00	710.00	606.67	103.33	6.871	
12,500.00	10,175.00	12,277.19	10,175.00	56.05	50.21	89.908	229.58	2,272.68	710.00	603.84	106.16	6.688	
12,523.31	10,175.00	12,300.51	10,175.00	56.47	50.65	89.908	229.64	2,296.00	710.00	602.98	107.02	6.634	
12,600.00	10,175.00	12,377.19	10,175.00	57.86	52.10	89.908	229.87	2,372.68	710.00	600.12	109.88	6.462	
12,623.31	10,175.00	12,400.51	10,175.00	58.29	52.54	89.908	229.94	2,396.00	710.00	599.25	110.75	6.411	
12,700.00	10,175.00	12,477.19	10,175.00	59.70	54.00	89.908	230.16	2,472.68	710.00	596.38	113.62	6.249	
12,723.31	10,175.00	12,500.51	10,175.00	60.13	54.45	89.908	230.23	2,496.00	710.00	595.50	114.50	6.201	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+IFR1		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,800.00	10,175.00	12,577.19	10,175.00	61.55	55.92	89.908	230.45	2,572.68	710.00	592.61	117.39	6.048			
12,823.31	10,175.00	12,600.51	10,175.00	61.98	56.37	89.908	230.52	2,596.00	710.00	591.72	118.28	6.003			
12,900.00	10,175.00	12,677.19	10,175.00	63.41	57.85	89.908	230.75	2,672.68	710.00	588.81	121.19	5.859			
12,923.31	10,175.00	12,700.51	10,175.00	63.85	58.30	89.908	230.81	2,695.99	710.00	587.92	122.08	5.816			
13,000.00	10,175.00	12,777.19	10,175.00	65.29	59.79	89.908	231.04	2,772.68	710.00	584.99	125.00	5.680			
13,023.31	10,175.00	12,800.51	10,175.00	65.73	60.24	89.908	231.11	2,795.99	710.00	584.10	125.90	5.639			
13,100.00	10,175.00	12,877.19	10,175.00	67.17	61.73	89.908	231.33	2,872.68	710.00	581.16	128.84	5.511			
13,123.31	10,175.00	12,900.51	10,175.00	67.61	62.19	89.908	231.40	2,895.99	710.00	580.26	129.74	5.473			
13,200.00	10,175.00	12,977.19	10,175.00	69.07	63.69	89.908	231.62	2,972.68	710.00	577.30	132.70	5.351			
13,223.31	10,175.00	13,000.51	10,175.00	69.51	64.14	89.908	231.69	2,995.99	710.00	576.40	133.60	5.314			
13,300.00	10,175.00	13,077.19	10,175.00	70.98	65.65	89.908	231.92	3,072.68	710.00	573.43	136.57	5.199			
13,323.31	10,175.00	13,100.51	10,175.00	71.42	66.11	89.908	231.98	3,095.99	710.00	572.53	137.47	5.165			
13,400.00	10,175.00	13,177.19	10,175.00	72.89	67.62	89.908	232.21	3,172.68	710.00	569.54	140.45	5.055			
13,423.31	10,175.00	13,200.51	10,175.00	73.34	68.08	89.908	232.28	3,195.99	710.00	568.64	141.36	5.023			
13,500.00	10,175.00	13,277.19	10,175.00	74.82	69.59	89.908	232.50	3,272.68	710.00	565.64	144.36	4.918			
13,523.31	10,175.00	13,300.51	10,175.00	75.27	70.05	89.908	232.57	3,295.99	710.00	564.73	145.27	4.888			
13,600.00	10,175.00	13,377.19	10,175.00	76.75	71.57	89.908	232.79	3,372.68	710.00	561.73	148.27	4.789			
13,623.31	10,175.00	13,400.51	10,175.00	77.20	72.04	89.908	232.86	3,395.99	710.00	560.82	149.18	4.759			
13,700.00	10,175.00	13,477.19	10,175.00	78.69	73.56	89.908	233.09	3,472.68	710.00	557.80	152.19	4.665			
13,723.31	10,175.00	13,500.51	10,175.00	79.14	74.02	89.908	233.15	3,495.99	710.00	556.89	153.11	4.637			
13,800.00	10,175.00	13,577.19	10,175.00	80.63	75.55	89.908	233.38	3,572.68	710.00	553.87	156.13	4.547			
13,823.31	10,175.00	13,600.51	10,175.00	81.09	76.01	89.908	233.45	3,595.99	710.00	552.95	157.05	4.521			
13,900.00	10,175.00	13,677.19	10,175.00	82.58	77.54	89.908	233.67	3,672.68	710.00	549.92	160.08	4.435			
13,923.31	10,175.00	13,700.51	10,175.00	83.04	78.01	89.908	233.74	3,695.99	710.00	549.00	161.00	4.410			
14,000.00	10,175.00	13,777.19	10,175.00	84.54	79.54	89.908	233.96	3,772.68	710.00	545.96	164.03	4.328			
14,023.31	10,175.00	13,800.51	10,175.00	85.00	80.01	89.908	234.03	3,795.99	710.00	545.04	164.96	4.304			
14,100.00	10,175.00	13,877.19	10,175.00	86.50	81.54	89.908	234.26	3,872.68	710.00	542.00	168.00	4.226			
14,123.31	10,175.00	13,900.51	10,175.00	86.96	82.01	89.908	234.32	3,895.99	710.00	541.07	168.92	4.203			
14,200.00	10,175.00	13,977.19	10,175.00	88.47	83.55	89.908	234.55	3,972.68	710.00	538.03	171.97	4.129			
14,223.31	10,175.00	14,000.51	10,175.00	88.93	84.01	89.908	234.62	3,995.99	710.00	537.10	172.90	4.106			
14,300.00	10,175.00	14,077.19	10,175.00	90.44	85.55	89.908	234.84	4,072.68	710.00	534.05	175.95	4.035			
14,323.31	10,175.00	14,100.51	10,175.00	90.90	86.02	89.908	234.91	4,095.99	710.00	533.12	176.88	4.014			
14,400.00	10,175.00	14,177.19	10,175.00	92.42	87.56	89.908	235.13	4,172.68	710.00	530.06	179.94	3.946			
14,423.31	10,175.00	14,200.51	10,175.00	92.88	88.03	89.908	235.20	4,195.99	710.00	529.13	180.87	3.925			
14,500.00	10,175.00	14,277.19	10,175.00	94.40	89.58	89.908	235.43	4,272.68	710.00	526.06	183.93	3.860			
14,523.31	10,175.00	14,300.51	10,175.00	94.86	90.05	89.908	235.50	4,295.99	710.00	525.13	184.87	3.841			
14,600.00	10,175.00	14,377.19	10,175.00	96.38	91.59	89.908	235.72	4,372.68	710.00	522.06	187.94	3.778			
14,623.31	10,175.00	14,400.51	10,175.00	96.84	92.06	89.908	235.79	4,395.99	710.00	521.13	188.87	3.759			
14,700.00	10,175.00	14,477.19	10,175.00	98.37	93.61	89.908	236.01	4,472.68	710.00	518.06	191.94	3.699			
14,723.31	10,175.00	14,500.51	10,175.00	98.83	94.08	89.908	236.08	4,495.99	710.00	517.12	192.88	3.681			
14,800.00	10,175.00	14,577.19	10,175.00	100.36	95.63	89.908	236.30	4,572.67	710.00	514.04	195.95	3.623			
14,823.31	10,175.00	14,600.51	10,175.00	100.82	96.10	89.908	236.37	4,595.99	710.00	513.11	196.89	3.606			
14,900.00	10,175.00	14,677.19	10,175.00	102.35	97.66	89.908	236.60	4,672.67	710.00	510.03	199.97	3.550			
14,923.31	10,175.00	14,700.51	10,175.00	102.82	98.13	89.908	236.67	4,695.99	710.00	509.09	200.91	3.534			
15,000.00	10,175.00	14,777.19	10,175.00	104.35	99.68	89.908	236.89	4,772.67	710.00	506.01	203.99	3.480			
15,023.31	10,175.00	14,800.51	10,175.00	104.82	100.15	89.908	236.96	4,795.99	710.00	505.07	204.93	3.465			
15,100.00	10,175.00	14,877.19	10,175.00	106.35	101.71	89.908	237.18	4,872.67	710.00	501.98	208.02	3.413			
15,123.31	10,175.00	14,900.51	10,175.00	106.82	102.18	89.908	237.25	4,895.99	710.00	501.04	208.96	3.398			
15,200.00	10,175.00	14,977.19	10,175.00	108.35	103.74	89.908	237.47	4,972.67	710.00	497.95	212.05	3.348			
15,223.31	10,175.00	15,000.51	10,175.00	108.82	104.21	89.908	237.54	4,995.99	710.00	497.01	212.99	3.333			
15,300.00	10,175.00	15,077.19	10,175.00	110.36	105.77	89.908	237.77	5,072.67	710.00	493.91	216.09	3.286			
15,323.31	10,175.00	15,100.51	10,175.00	110.82	106.24	89.908	237.84	5,095.98	710.00	492.97	217.03	3.271			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - 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)			
15,400.00	10,175.00	15,177.19	10,175.00	112.36	107.80	89.908	238.06	5,172.67	710.00	489.87	220.13	3.225	
15,423.31	10,175.00	15,200.51	10,175.00	112.83	108.27	89.908	238.13	5,195.98	710.00	488.93	221.07	3.212	
15,500.00	10,175.00	15,277.19	10,175.00	114.37	109.83	89.908	238.35	5,272.67	710.00	485.83	224.17	3.167	
15,523.31	10,175.00	15,300.51	10,175.00	114.84	110.30	89.908	238.42	5,295.98	710.00	484.89	225.11	3.154	
15,600.00	10,175.00	15,377.19	10,175.00	116.38	111.86	89.908	238.64	5,372.67	710.00	481.78	228.22	3.111	
15,623.31	10,175.00	15,400.51	10,175.00	116.85	112.34	89.908	238.71	5,395.98	710.00	480.84	229.16	3.098	
15,700.00	10,175.00	15,477.19	10,175.00	118.40	113.90	89.908	238.94	5,472.67	710.00	477.73	232.26	3.057	
15,723.31	10,175.00	15,500.51	10,175.00	118.87	114.37	89.908	239.01	5,495.98	710.00	476.79	233.21	3.044	
15,800.00	10,175.00	15,577.19	10,175.00	120.41	115.94	89.908	239.23	5,572.67	710.00	473.68	236.32	3.004	
15,823.31	10,175.00	15,600.51	10,175.00	120.88	116.41	89.908	239.30	5,595.98	710.00	472.74	237.26	2.992	
15,900.00	10,175.00	15,677.19	10,175.00	122.43	117.98	89.908	239.52	5,672.67	710.00	469.63	240.37	2.954	
15,923.31	10,175.00	15,700.51	10,175.00	122.90	118.45	89.908	239.59	5,695.98	710.00	468.68	241.32	2.942	
16,000.00	10,175.00	15,777.19	10,175.00	124.45	120.01	89.908	239.81	5,772.67	710.00	465.57	244.43	2.905	
16,023.31	10,175.00	15,800.51	10,175.00	124.92	120.49	89.908	239.88	5,795.98	710.00	464.62	245.38	2.893	
16,100.00	10,175.00	15,877.19	10,175.00	126.47	122.05	89.908	240.11	5,872.67	710.00	461.51	248.49	2.857	
16,123.31	10,175.00	15,900.51	10,175.00	126.94	122.53	89.908	240.18	5,895.98	710.00	460.56	249.44	2.846	
16,200.00	10,175.00	15,977.19	10,175.00	128.49	124.10	89.908	240.40	5,972.67	710.00	457.44	252.56	2.811	
16,223.31	10,175.00	16,000.51	10,175.00	128.96	124.57	89.908	240.47	5,995.98	710.00	456.50	253.50	2.801	
16,300.00	10,175.00	16,077.19	10,175.00	130.52	126.14	89.908	240.69	6,072.67	710.00	453.38	256.62	2.767	
16,323.31	10,175.00	16,100.51	10,175.00	130.99	126.61	89.908	240.76	6,095.98	710.00	452.43	257.57	2.757	
16,400.00	10,175.00	16,177.19	10,175.00	132.54	128.18	89.908	240.98	6,172.67	710.00	449.31	260.69	2.724	
16,423.31	10,175.00	16,200.51	10,175.00	133.01	128.66	89.908	241.05	6,195.98	710.00	448.36	261.64	2.714	
16,500.00	10,175.00	16,277.19	10,175.00	134.57	130.22	89.908	241.28	6,272.67	710.00	445.24	264.76	2.682	
16,523.31	10,175.00	16,300.51	10,175.00	135.04	130.70	89.908	241.35	6,295.98	710.00	444.29	265.71	2.672	
16,600.00	10,175.00	16,377.19	10,175.00	136.60	132.27	89.908	241.57	6,372.67	710.00	441.17	268.83	2.641	
16,623.31	10,175.00	16,400.51	10,175.00	137.07	132.75	89.908	241.64	6,395.98	710.00	440.22	269.78	2.632	
16,700.00	10,175.00	16,477.19	10,175.00	138.62	134.31	89.908	241.86	6,472.67	710.00	437.09	272.91	2.602	
16,723.31	10,175.00	16,500.51	10,175.00	139.10	134.79	89.908	241.93	6,495.98	710.00	436.14	273.86	2.593	
16,800.00	10,175.00	16,577.19	10,175.00	140.66	136.36	89.908	242.15	6,572.67	710.00	433.01	276.98	2.563	
16,823.31	10,175.00	16,600.51	10,175.00	141.13	136.84	89.908	242.22	6,595.98	710.00	432.06	277.94	2.555	
16,900.00	10,175.00	16,677.19	10,175.00	142.69	138.41	89.908	242.45	6,672.67	710.00	428.94	281.06	2.526	
16,923.31	10,175.00	16,700.51	10,175.00	143.16	138.88	89.908	242.52	6,695.98	710.00	427.99	282.01	2.518	
17,000.00	10,175.00	16,777.19	10,175.00	144.72	140.45	89.908	242.74	6,772.67	710.00	424.86	285.14	2.490	
17,023.31	10,175.00	16,800.51	10,175.00	145.19	140.93	89.908	242.81	6,795.98	710.00	423.90	286.09	2.482	
17,100.00	10,175.00	16,877.19	10,175.00	146.75	142.50	89.908	243.03	6,872.67	710.00	420.77	289.23	2.455	
17,123.31	10,175.00	16,900.51	10,175.00	147.23	142.98	89.908	243.10	6,895.98	710.00	419.82	290.18	2.447	
17,200.00	10,175.00	16,977.19	10,175.00	148.79	144.55	89.908	243.32	6,972.66	710.00	416.69	293.31	2.421	
17,223.31	10,175.00	17,000.51	10,175.00	149.26	145.03	89.908	243.39	6,995.98	710.00	415.74	294.26	2.413	
17,300.00	10,175.00	17,077.19	10,175.00	150.82	146.60	89.908	243.62	7,072.66	710.00	412.61	297.39	2.387	
17,323.31	10,175.00	17,100.51	10,175.00	151.30	147.08	89.908	243.69	7,095.98	710.00	411.65	298.35	2.380	
17,400.00	10,175.00	17,177.19	10,175.00	152.86	148.65	89.908	243.91	7,172.66	710.00	408.52	301.48	2.355	
17,423.31	10,175.00	17,200.51	10,175.00	153.33	149.13	89.908	243.98	7,195.98	710.00	407.57	302.43	2.348	
17,500.00	10,175.00	17,277.19	10,175.00	154.90	150.70	89.908	244.20	7,272.66	710.00	404.43	305.57	2.324	
17,523.31	10,175.00	17,300.51	10,175.00	155.37	151.18	89.908	244.27	7,295.98	710.00	403.48	306.52	2.316	
17,600.00	10,175.00	17,377.19	10,175.00	156.93	152.75	89.908	244.49	7,372.66	710.00	400.34	309.66	2.293	
17,623.31	10,175.00	17,400.51	10,175.00	157.41	153.23	89.908	244.56	7,395.97	710.00	399.39	310.61	2.286	
17,700.00	10,175.00	17,477.19	10,175.00	158.97	154.80	89.908	244.79	7,472.66	710.00	396.25	313.75	2.263	
17,723.31	10,175.00	17,500.51	10,175.00	159.45	155.28	89.908	244.86	7,495.97	710.00	395.30	314.70	2.256	
17,800.00	10,175.00	17,577.19	10,175.00	161.01	156.86	89.908	245.08	7,572.66	710.00	392.16	317.84	2.234	
17,823.31	10,175.00	17,600.51	10,175.00	161.49	157.34	89.908	245.15	7,595.97	710.00	391.21	318.79	2.227	
17,900.00	10,175.00	17,677.19	10,175.00	163.05	158.91	89.908	245.37	7,672.66	710.00	388.07	321.93	2.205	
17,923.31	10,175.00	17,700.51	10,175.00	163.53	159.39	89.908	245.44	7,695.97	710.00	387.11	322.89	2.199	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - 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)			
18,000.00	10,175.00	17,777.19	10,175.00	165.09	160.96	89.908	245.66	7,772.66	710.00	383.97	326.03	2.178	
18,023.31	10,175.00	17,800.51	10,175.00	165.57	161.44	89.908	245.73	7,795.97	710.00	383.02	326.98	2.171	
18,100.00	10,175.00	17,877.19	10,175.00	167.14	163.02	89.908	245.96	7,872.66	710.00	379.88	330.12	2.151	
18,123.31	10,175.00	17,900.51	10,175.00	167.61	163.49	89.908	246.03	7,895.97	710.00	378.92	331.08	2.145	
18,200.00	10,175.00	17,977.19	10,175.00	169.18	165.07	89.908	246.25	7,972.66	710.00	375.78	334.22	2.124	
18,223.31	10,175.00	18,000.51	10,175.00	169.66	165.55	89.908	246.32	7,995.97	710.00	374.83	335.17	2.118	
18,300.00	10,175.00	18,077.19	10,175.00	171.22	167.12	89.908	246.54	8,072.66	710.00	371.68	338.32	2.099	
18,323.31	10,175.00	18,100.51	10,175.00	171.70	167.60	89.908	246.61	8,095.97	710.00	370.73	339.27	2.093	
18,400.00	10,175.00	18,177.19	10,175.00	173.27	169.18	89.908	246.83	8,172.66	710.00	367.58	342.42	2.074	
18,423.31	10,175.00	18,200.51	10,175.00	173.74	169.66	89.908	246.90	8,195.97	710.00	366.63	343.37	2.068	
18,500.00	10,175.00	18,277.19	10,175.00	175.31	171.23	89.908	247.13	8,272.66	710.00	363.48	346.52	2.049	
18,523.31	10,175.00	18,300.51	10,175.00	175.79	171.71	89.908	247.20	8,295.97	710.00	362.53	347.47	2.043	
18,600.00	10,175.00	18,377.19	10,175.00	177.36	173.29	89.908	247.42	8,372.66	710.00	359.38	350.62	2.025	
18,623.31	10,175.00	18,400.51	10,175.00	177.83	173.77	89.908	247.49	8,395.97	710.00	358.43	351.57	2.019	
18,700.00	10,175.00	18,477.19	10,175.00	179.40	175.34	89.908	247.71	8,472.66	710.00	355.28	354.72	2.002	
18,723.31	10,175.00	18,500.51	10,175.00	179.88	175.82	89.908	247.78	8,495.97	710.00	354.33	355.67	1.996 Level 3	
18,800.00	10,175.00	18,577.19	10,175.00	181.45	177.40	89.908	248.00	8,572.66	710.00	351.18	358.82	1.979 Level 3	
18,823.31	10,175.00	18,600.51	10,175.00	181.93	177.88	89.908	248.07	8,595.97	710.00	350.22	359.78	1.973 Level 3	
18,900.00	10,175.00	18,677.19	10,175.00	183.50	179.46	89.908	248.30	8,672.66	710.00	347.08	362.92	1.956 Level 3	
18,923.31	10,175.00	18,700.51	10,175.00	183.97	179.94	89.908	248.37	8,695.97	710.00	346.12	363.88	1.951 Level 3	
19,000.00	10,175.00	18,777.19	10,175.00	185.54	181.51	89.908	248.59	8,772.66	710.00	342.97	367.03	1.934 Level 3	
19,023.31	10,175.00	18,800.51	10,175.00	186.02	181.99	89.908	248.66	8,795.97	710.00	342.02	367.98	1.929 Level 3	
19,100.00	10,175.00	18,877.19	10,175.00	187.59	183.57	89.908	248.88	8,872.66	710.00	338.87	371.13	1.913 Level 3	
19,123.31	10,175.00	18,900.51	10,175.00	188.07	184.05	89.908	248.95	8,895.97	710.00	337.91	372.09	1.908 Level 3	
19,200.00	10,175.00	18,977.19	10,175.00	189.64	185.63	89.908	249.17	8,972.66	710.00	334.76	375.24	1.892 Level 3	
19,223.31	10,175.00	19,000.51	10,175.00	190.12	186.11	89.908	249.24	8,995.97	710.00	333.81	376.19	1.887 Level 3	
19,300.00	10,175.00	19,077.19	10,175.00	191.69	187.68	89.908	249.47	9,072.66	710.00	330.66	379.34	1.872 Level 3	
19,323.31	10,175.00	19,100.51	10,175.00	192.16	188.16	89.908	249.54	9,095.97	710.00	329.70	380.30	1.867 Level 3	
19,400.00	10,175.00	19,177.19	10,175.00	193.74	189.74	89.908	249.76	9,172.66	710.00	326.55	383.45	1.852 Level 3	
19,423.31	10,175.00	19,200.51	10,175.00	194.21	190.22	89.908	249.83	9,195.97	710.00	325.59	384.41	1.847 Level 3	
19,500.00	10,175.00	19,277.19	10,175.00	195.79	191.80	89.908	250.05	9,272.65	710.00	322.44	387.56	1.832 Level 3	
19,523.31	10,175.00	19,300.51	10,175.00	196.26	192.28	89.908	250.12	9,295.97	710.00	321.48	388.52	1.827 Level 3	
19,600.00	10,175.00	19,377.19	10,175.00	197.84	193.86	89.908	250.34	9,372.65	710.00	318.33	391.67	1.813 Level 3	
19,623.31	10,175.00	19,400.51	10,175.00	198.31	194.34	89.908	250.41	9,395.97	710.00	317.38	392.62	1.808 Level 3	
19,700.00	10,175.00	19,477.19	10,175.00	199.89	195.92	89.908	250.64	9,472.65	710.00	314.22	395.78	1.794 Level 3	
19,723.31	10,175.00	19,500.51	10,175.00	200.36	196.40	89.908	250.71	9,495.97	710.00	313.27	396.73	1.790 Level 3	
19,800.00	10,175.00	19,577.19	10,175.00	201.94	197.98	89.908	250.93	9,572.65	710.00	310.11	399.89	1.776 Level 3	
19,823.31	10,175.00	19,600.51	10,175.00	202.42	198.46	89.908	251.00	9,595.97	710.00	309.16	400.84	1.771 Level 3	
19,900.00	10,175.00	19,677.19	10,175.00	203.99	200.04	89.908	251.22	9,672.65	710.00	306.00	404.00	1.757 Level 3	
19,923.31	10,175.00	19,700.51	10,175.00	204.47	200.52	89.908	251.29	9,695.97	710.00	305.05	404.95	1.753 Level 3	
20,000.00	10,175.00	19,777.19	10,175.00	206.04	202.09	89.908	251.52	9,772.65	710.00	301.89	408.11	1.740 Level 3	
20,023.31	10,175.00	19,800.51	10,175.00	206.52	202.57	89.908	251.58	9,795.96	710.00	300.94	409.07	1.736 Level 3	
20,100.00	10,175.00	19,877.19	10,175.00	208.09	204.15	89.908	251.81	9,872.65	710.00	297.78	412.22	1.722 Level 3	
20,123.31	10,175.00	19,900.51	10,175.00	208.57	204.63	89.908	251.88	9,895.96	710.00	296.82	413.18	1.718 Level 3	
20,200.00	10,175.00	19,977.19	10,175.00	210.14	206.21	89.908	252.10	9,972.65	710.00	293.67	416.33	1.705 Level 3	
20,223.31	10,175.00	20,000.51	10,175.00	210.62	206.69	89.908	252.17	9,995.96	710.00	292.71	417.29	1.701 Level 3	
20,300.00	10,175.00	20,077.19	10,175.00	212.20	208.27	89.908	252.39	10,072.65	710.00	289.56	420.44	1.689 Level 3	
20,323.31	10,175.00	20,100.51	10,175.00	212.68	208.75	89.908	252.46	10,095.96	710.00	288.60	421.40	1.685 Level 3	
20,400.00	10,175.00	20,177.19	10,175.00	214.25	210.33	89.908	252.69	10,172.65	710.00	285.44	424.56	1.672 Level 3	
20,423.31	10,175.00	20,200.51	10,175.00	214.73	210.81	89.908	252.75	10,195.96	710.00	284.49	425.52	1.669 Level 3	
20,500.00	10,175.00	20,277.19	10,175.00	216.30	212.39	89.908	252.98	10,272.65	710.00	281.33	428.67	1.656 Level 3	
20,523.31	10,175.00	20,300.51	10,175.00	216.78	212.87	89.908	253.05	10,295.96	710.00	280.37	429.63	1.653 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 (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - 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	
20,600.00	10,175.00	20,377.19	10,175.00	218.36	214.45	89.908	253.27	10,372.65	710.00	277.22	432.78	1.641 Level 3	
20,623.31	10,175.00	20,400.51	10,175.00	218.84	214.93	89.908	253.34	10,395.96	710.00	276.26	433.74	1.637 Level 3	
20,700.00	10,175.00	20,477.19	10,175.00	220.41	216.52	89.908	253.56	10,472.65	710.00	273.10	436.90	1.625 Level 3	
20,723.31	10,175.00	20,500.51	10,175.00	220.89	217.00	89.908	253.63	10,495.96	710.00	272.14	437.86	1.622 Level 3	
20,800.00	10,175.00	20,577.19	10,175.00	222.47	218.58	89.908	253.86	10,572.65	710.00	268.99	441.01	1.610 Level 3	
20,823.31	10,175.00	20,600.51	10,175.00	222.94	219.06	89.908	253.92	10,595.96	710.00	268.03	441.97	1.606 Level 3	
20,900.00	10,175.00	20,677.19	10,175.00	224.52	220.64	89.908	254.15	10,672.65	710.00	264.87	445.13	1.595 Level 3	
20,923.31	10,175.00	20,700.51	10,175.00	225.00	221.12	89.908	254.22	10,695.96	710.00	263.91	446.09	1.592 Level 3	
21,000.00	10,175.00	20,777.19	10,175.00	226.57	222.70	89.908	254.44	10,772.65	710.00	260.76	449.25	1.580 Level 3	
21,023.31	10,175.00	20,800.51	10,175.00	227.05	223.18	89.908	254.51	10,795.96	710.00	259.80	450.20	1.577 Level 3	
21,100.00	10,175.00	20,877.19	10,175.00	228.63	224.76	89.908	254.73	10,872.65	710.00	256.64	453.36	1.566 Level 3	
21,123.31	10,175.00	20,900.51	10,175.00	229.11	225.24	89.908	254.80	10,895.96	710.00	255.68	454.32	1.563 Level 3	
21,200.00	10,175.00	20,977.19	10,175.00	230.69	226.82	89.908	255.03	10,972.65	710.00	252.52	457.48	1.552 Level 3	
21,223.31	10,175.00	21,000.51	10,175.00	231.16	227.30	89.908	255.09	10,995.96	710.00	251.56	458.44	1.549 Level 3	
21,300.00	10,175.00	21,077.19	10,175.00	232.74	228.88	89.908	255.32	11,072.65	710.00	248.41	461.60	1.538 Level 3	
21,323.31	10,175.00	21,100.51	10,175.00	233.22	229.36	89.908	255.39	11,095.96	710.00	247.45	462.56	1.535 Level 3	
21,400.00	10,175.00	21,177.19	10,175.00	234.80	230.94	89.908	255.61	11,172.65	710.00	244.29	465.71	1.525 Level 3	
21,423.31	10,175.00	21,200.51	10,175.00	235.28	231.42	89.908	255.68	11,195.96	710.00	243.33	466.67	1.521 Level 3	
21,500.00	10,175.00	21,277.19	10,175.00	236.85	233.01	89.908	255.90	11,272.65	710.00	240.17	469.83	1.511 Level 3	
21,523.31	10,175.00	21,300.51	10,175.00	237.33	233.49	89.908	255.97	11,295.96	710.00	239.21	470.79	1.508 Level 3	
21,600.00	10,175.00	21,377.19	10,175.00	238.91	235.07	89.908	256.20	11,372.65	710.00	236.05	473.95	1.498 Level 3	
21,623.31	10,175.00	21,400.51	10,175.00	239.39	235.55	89.908	256.26	11,395.96	710.00	235.09	474.91	1.495 Level 3	
21,700.00	10,175.00	21,477.19	10,175.00	240.97	237.13	89.908	256.49	11,472.65	710.00	231.93	478.07	1.485 Level 3	
21,723.31	10,175.00	21,500.51	10,175.00	241.45	237.61	89.908	256.56	11,495.96	710.00	230.97	479.03	1.482 Level 3	
21,800.00	10,175.00	21,577.19	10,175.00	243.02	239.19	89.908	256.78	11,572.65	710.00	227.81	482.19	1.472 Level 3	
21,823.31	10,175.00	21,600.51	10,175.00	243.50	239.67	89.908	256.85	11,595.96	710.00	226.85	483.15	1.470 Level 3	
21,900.00	10,175.00	21,677.19	10,175.00	245.08	241.26	89.908	257.07	11,672.64	710.00	223.69	486.31	1.460 Level 3	
21,923.31	10,175.00	21,700.51	10,175.00	245.56	241.74	89.908	257.14	11,695.96	710.00	222.73	487.27	1.457 Level 3	
22,000.00	10,175.00	21,777.19	10,175.00	247.14	243.32	89.908	257.37	11,772.64	710.00	219.57	490.43	1.448 Level 3	
22,023.31	10,175.00	21,800.51	10,175.00	247.62	243.80	89.908	257.43	11,795.96	710.00	218.61	491.39	1.445 Level 3	
22,100.00	10,175.00	21,877.19	10,175.00	249.19	245.38	89.908	257.66	11,872.64	710.00	215.45	494.55	1.436 Level 3	
22,123.31	10,175.00	21,900.51	10,175.00	249.67	245.86	89.908	257.73	11,895.96	710.00	214.49	495.51	1.433 Level 3	
22,200.00	10,175.00	21,977.19	10,175.00	251.25	247.44	89.908	257.95	11,972.64	710.00	211.33	498.67	1.424 Level 3	
22,223.31	10,175.00	22,000.51	10,175.00	251.73	247.92	89.908	258.02	11,995.96	710.00	210.37	499.63	1.421 Level 3	
22,300.00	10,175.00	22,077.19	10,175.00	253.31	249.51	89.908	258.24	12,072.64	710.00	207.21	502.79	1.412 Level 3	
22,323.31	10,175.00	22,100.51	10,175.00	253.79	249.99	89.908	258.31	12,095.95	710.00	206.25	503.75	1.409 Level 3	
22,400.00	10,175.00	22,177.19	10,175.00	255.37	251.57	89.908	258.54	12,172.64	710.00	203.09	506.91	1.401 Level 3	
22,423.31	10,175.00	22,200.51	10,175.00	255.85	252.05	89.908	258.60	12,195.95	710.00	202.13	507.87	1.398 Level 3	
22,500.00	10,175.00	22,277.19	10,175.00	257.43	253.63	89.908	258.83	12,272.64	710.00	198.97	511.03	1.389 Level 3	
22,523.31	10,175.00	22,300.51	10,175.00	257.91	254.11	89.908	258.90	12,295.95	710.00	198.01	511.99	1.387 Level 3	
22,600.00	10,175.00	22,377.19	10,175.00	259.48	255.70	89.908	259.12	12,372.64	710.00	194.85	515.15	1.378 Level 3	
22,623.31	10,175.00	22,400.51	10,175.00	259.96	256.18	89.908	259.19	12,395.95	710.00	193.89	516.11	1.376 Level 3	
22,700.00	10,175.00	22,477.19	10,175.00	261.54	257.76	89.908	259.41	12,472.64	710.00	190.73	519.27	1.367 Level 3	
22,723.31	10,175.00	22,500.51	10,175.00	262.02	258.24	89.908	259.48	12,495.95	710.00	189.77	520.24	1.365 Level 3	
22,800.00	10,175.00	22,577.19	10,175.00	263.60	259.82	89.908	259.71	12,572.64	710.00	186.60	523.40	1.357 Level 3	
22,823.31	10,175.00	22,600.51	10,175.00	264.08	260.30	89.908	259.77	12,595.95	710.00	185.64	524.36	1.354 Level 3	
22,900.00	10,175.00	22,677.19	10,175.00	265.66	261.89	89.908	260.00	12,672.64	710.00	182.48	527.52	1.346 Level 3	
22,923.31	10,175.00	22,700.51	10,175.00	266.14	262.37	89.908	260.07	12,695.95	710.00	181.52	528.48	1.343 Level 3	
23,000.00	10,175.00	22,777.19	10,175.00	267.72	263.95	89.908	260.29	12,772.64	710.00	178.36	531.64	1.335 Level 3	
23,023.31	10,175.00	22,800.51	10,175.00	268.20	264.43	89.908	260.36	12,795.95	710.00	177.40	532.60	1.333 Level 3	
23,100.00	10,175.00	22,877.19	10,175.00	269.78	266.01	89.908	260.58	12,872.64	710.00	174.24	535.77	1.325 Level 3	
23,123.31	10,175.00	22,900.51	10,175.00	270.26	266.49	89.908	260.65	12,895.95	710.00	173.27	536.73	1.323 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 (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - 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		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	
23,200.00	10,175.00	22,977.19	10,175.00	271.84	268.08	89.908	260.88	12,972.64	710.00	170.11	539.89	1.315	Level 3
23,223.31	10,175.00	23,000.51	10,175.00	272.32	268.56	89.908	260.94	12,995.95	710.00	169.15	540.85	1.313	Level 3
23,300.00	10,175.00	23,077.19	10,175.00	273.90	270.14	89.908	261.17	13,072.64	710.00	165.99	544.01	1.305	Level 3
23,323.31	10,175.00	23,100.51	10,175.00	274.38	270.62	89.908	261.24	13,095.95	710.00	165.03	544.97	1.303	Level 3
23,400.00	10,175.00	23,177.19	10,175.00	275.96	272.21	89.908	261.46	13,172.64	710.00	161.86	548.14	1.295	Level 3
23,423.31	10,175.00	23,200.51	10,175.00	276.44	272.69	89.908	261.53	13,195.95	710.00	160.90	549.10	1.293	Level 3
23,500.00	10,175.00	23,277.19	10,175.00	278.02	274.27	89.908	261.75	13,272.64	710.00	157.74	552.26	1.286	Level 3
23,523.31	10,175.00	23,300.51	10,175.00	278.50	274.75	89.908	261.82	13,295.95	710.00	156.78	553.22	1.283	Level 3
23,600.00	10,175.00	23,377.19	10,175.00	280.08	276.33	89.908	262.05	13,372.64	710.00	153.62	556.38	1.276	Level 3
23,623.31	10,175.00	23,400.51	10,175.00	280.56	276.82	89.908	262.11	13,395.95	710.00	152.66	557.35	1.274	Level 3
23,700.00	10,175.00	23,477.19	10,175.00	282.14	278.40	89.908	262.34	13,472.64	710.00	149.49	560.51	1.267	Level 3
23,721.91	10,175.00	23,499.10	10,175.00	282.59	278.85	89.908	262.40	13,494.54	710.00	148.59	561.41	1.265	Level 3
23,793.77	10,175.00	23,570.96	10,175.00	284.07	280.33	89.908	262.61	13,566.41	710.00	145.62	564.38	1.258	Level 3, ES, SF

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		Reference		Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.00	0.00	2.73	2.73	0.00	0.02	123.162	-132.14	202.22	241.57				
100.00	100.00	102.73	102.73	0.79	0.80	123.162	-132.14	202.22	241.57	239.98	1.59	151.992	
200.00	200.00	202.73	202.73	1.45	1.46	123.162	-132.14	202.22	241.57	238.66	2.90	83.173	
300.00	300.00	302.73	302.73	1.89	1.90	123.162	-132.14	202.22	241.57	237.77	3.79	63.683	
400.00	400.00	402.73	402.73	2.25	2.26	123.162	-132.14	202.22	241.57	237.05	4.52	53.492	
500.00	500.00	502.73	502.73	2.57	2.58	123.162	-132.14	202.22	241.57	236.42	5.14	46.969	
600.00	600.00	602.73	602.73	2.85	2.86	123.162	-132.14	202.22	241.57	235.86	5.71	42.334	
700.00	700.00	702.73	702.73	3.11	3.11	123.162	-132.14	202.22	241.57	235.34	6.22	38.819	
800.00	800.00	802.73	802.73	3.35	3.35	123.162	-132.14	202.22	241.57	234.86	6.70	36.034	
900.00	900.00	902.73	902.73	3.58	3.58	123.162	-132.14	202.22	241.57	234.41	7.16	33.756	
1,000.00	1,000.00	1,002.73	1,002.73	3.79	3.80	123.162	-132.14	202.22	241.57	233.98	7.59	31.848	
1,100.00	1,100.00	1,102.73	1,102.73	3.99	4.00	123.162	-132.14	202.22	241.57	233.57	7.99	30.217	
1,200.00	1,200.00	1,202.73	1,202.73	4.19	4.20	123.162	-132.14	202.22	241.57	233.18	8.39	28.803	
1,300.00	1,300.00	1,302.73	1,302.73	4.38	4.38	123.162	-132.14	202.22	241.57	232.80	8.76	27.561	
1,400.00	1,400.00	1,402.73	1,402.73	4.56	4.57	123.162	-132.14	202.22	241.57	232.44	9.13	26.459	
1,500.00	1,500.00	1,502.73	1,502.73	4.74	4.74	123.162	-132.14	202.22	241.57	232.08	9.48	25.471	
1,600.00	1,600.00	1,602.73	1,602.73	4.91	4.92	123.162	-132.14	202.22	241.57	231.74	9.83	24.580	
1,700.00	1,700.00	1,702.73	1,702.73	5.08	5.08	123.162	-132.14	202.22	241.57	231.40	10.16	23.770	
1,800.00	1,800.00	1,802.73	1,802.73	5.24	5.25	123.162	-132.14	202.22	241.57	231.08	10.49	23.029	
1,900.00	1,900.00	1,902.73	1,902.73	5.40	5.41	123.162	-132.14	202.22	241.57	230.76	10.81	22.349	
2,000.00	2,000.00	2,002.90	2,002.90	5.56	5.57	123.162	-132.14	202.22	241.56	230.44	11.12	21.718	
2,100.00	2,099.98	2,109.12	2,109.09	5.80	5.82	135.551	-130.10	201.83	241.45	229.93	11.53	20.950	
2,200.00	2,199.84	2,215.33	2,215.12	6.05	6.09	135.451	-124.20	200.70	241.26	229.34	11.92	20.232	
2,300.00	2,299.45	2,321.51	2,320.84	6.31	6.37	135.295	-114.44	198.83	240.99	228.66	12.33	19.546	
2,400.00	2,398.70	2,427.66	2,426.08	6.59	6.67	135.084	-100.85	196.22	240.63	227.89	12.74	18.882	
2,500.00	2,497.47	2,533.77	2,530.69	6.89	7.00	134.816	-83.44	192.89	240.21	227.03	13.17	18.235	
2,600.00	2,595.63	2,639.84	2,634.53	7.17	7.34	134.491	-62.26	188.82	239.70	226.11	13.59	17.641	
2,700.00	2,693.50	2,745.75	2,737.36	7.52	7.71	133.731	-37.35	184.05	237.73	223.64	14.09	16.874	
2,800.00	2,791.37	2,851.24	2,838.77	7.80	8.05	132.245	-8.84	178.58	233.36	218.91	14.46	16.144	
2,900.00	2,889.25	2,951.27	2,934.33	8.10	8.35	130.367	20.20	173.02	227.80	212.98	14.82	15.371	
3,000.00	2,987.12	3,050.83	3,029.44	8.42	8.68	128.404	49.11	167.47	222.49	207.28	15.21	14.627	
3,100.00	3,085.00	3,150.39	3,124.54	8.76	9.04	126.347	78.03	161.93	217.45	201.86	15.59	13.948	
3,200.00	3,182.87	3,249.95	3,219.65	9.10	9.40	124.197	106.94	156.39	212.71	196.75	15.96	13.332	
3,300.00	3,280.75	3,349.51	3,314.76	9.46	9.78	121.953	135.86	150.85	208.28	191.98	16.30	12.778	
3,400.00	3,378.62	3,449.07	3,409.86	9.82	10.18	119.615	164.78	145.30	204.18	187.56	16.62	12.283	
3,500.00	3,476.49	3,548.63	3,504.97	10.20	10.58	117.187	193.69	139.76	200.44	183.52	16.92	11.844	
3,600.00	3,574.37	3,648.19	3,600.08	10.58	10.99	114.672	222.61	134.22	197.08	179.88	17.20	11.457	
3,700.00	3,672.24	3,747.75	3,695.18	10.97	11.41	112.075	251.52	128.67	194.11	176.65	17.46	11.118	
3,800.00	3,770.12	3,847.31	3,790.29	11.37	11.83	109.404	280.44	123.13	191.56	173.85	17.70	10.821	
3,900.00	3,867.99	3,946.87	3,885.39	11.77	12.26	106.668	309.36	117.59	189.43	171.50	17.94	10.562	
4,000.00	3,965.87	4,046.43	3,980.50	12.18	12.70	103.877	338.27	112.04	187.75	169.58	18.17	10.333	
4,100.00	4,063.74	4,145.99	4,075.61	12.59	13.14	101.042	367.19	106.50	186.53	168.11	18.41	10.130	
4,200.00	4,161.61	4,245.54	4,170.71	13.00	13.59	98.177	396.10	100.96	185.77	167.09	18.68	9.945	
4,300.00	4,259.49	4,345.10	4,265.82	13.42	14.04	95.297	425.02	95.41	185.48	166.50	18.98	9.771	
4,310.42	4,269.69	4,355.48	4,275.73	13.47	14.09	94.996	428.03	94.84	185.48	166.46	19.02	9.754 CC	
4,400.00	4,357.36	4,444.66	4,360.93	13.85	14.50	92.415	453.94	89.87	185.67	166.34	19.33	9.605 ES	
4,500.00	4,455.24	4,544.22	4,456.03	14.27	14.96	89.546	482.85	84.33	186.33	166.59	19.74	9.440	
4,600.00	4,553.11	4,643.78	4,551.14	14.70	15.42	86.704	511.77	78.79	187.46	167.24	20.22	9.273	
4,700.00	4,650.99	4,743.34	4,646.25	15.14	15.88	83.902	540.68	73.24	189.04	168.28	20.77	9.104	
4,800.00	4,748.86	4,842.90	4,741.35	15.57	16.35	81.154	569.60	67.70	191.08	169.68	21.39	8.931	
4,900.00	4,846.73	4,942.46	4,836.46	16.01	16.82	78.468	598.52	62.16	193.54	171.44	22.10	8.757	
5,000.00	4,944.61	5,042.02	4,931.56	16.45	17.29	75.856	627.43	56.61	196.43	173.54	22.89	8.583	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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 (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)			
5,100.00	5,042.48	5,141.58	5,026.67	16.89	17.77	73.323	656.35	51.07	199.71	175.97	23.74	8.412	
5,200.00	5,140.36	5,241.14	5,121.78	17.33	18.25	70.876	685.26	45.53	203.37	178.71	24.66	8.247	
5,300.00	5,238.23	5,340.70	5,216.88	17.78	18.72	68.520	714.18	39.98	207.40	181.76	25.64	8.089	
5,400.00	5,336.11	5,440.26	5,311.99	18.22	19.20	66.256	743.10	34.44	211.76	185.09	26.67	7.940	
5,500.00	5,433.98	5,539.82	5,407.10	18.67	19.69	64.086	772.01	28.90	216.44	188.70	27.74	7.802	
5,600.00	5,531.85	5,639.38	5,502.20	19.12	20.17	62.010	800.93	23.35	221.42	192.57	28.85	7.675	
5,700.00	5,629.73	5,738.94	5,597.31	19.57	20.65	60.027	829.84	17.81	226.67	196.69	29.98	7.560	
5,800.00	5,727.60	5,838.50	5,692.42	20.02	21.14	58.136	858.76	12.27	232.19	201.05	31.14	7.456	
5,900.00	5,825.48	5,938.05	5,787.52	20.47	21.62	56.334	887.67	6.73	237.95	205.63	32.32	7.363	
6,000.00	5,923.35	6,037.61	5,882.63	20.92	22.11	54.619	916.59	1.18	243.93	210.43	33.50	7.281	
6,100.00	6,021.23	6,137.17	5,977.73	21.38	22.60	52.986	945.51	-4.36	250.12	215.43	34.70	7.209	
6,200.00	6,119.10	6,236.73	6,072.84	21.83	23.09	51.433	974.42	-9.90	256.51	220.61	35.90	7.146	
6,300.00	6,216.97	6,336.29	6,167.95	22.29	23.58	49.957	1,003.34	-15.45	263.07	225.97	37.10	7.091	
6,400.00	6,314.85	6,435.85	6,263.05	22.75	24.07	48.552	1,032.25	-20.99	269.80	231.50	38.30	7.044	
6,500.00	6,412.72	6,535.41	6,358.16	23.20	24.57	47.217	1,061.17	-26.53	276.69	237.18	39.50	7.004	
6,600.00	6,510.60	6,635.01	6,453.30	23.66	25.05	45.946	1,090.10	-32.08	283.72	243.02	40.70	6.972	
6,700.00	6,608.55	6,742.47	6,556.53	24.10	25.58	44.899	1,119.39	-37.69	289.78	247.91	41.87	6.922	
6,800.00	6,707.06	6,850.29	6,661.16	24.57	26.12	44.027	1,144.94	-42.59	295.31	252.32	42.98	6.870	
6,900.00	6,806.10	6,958.41	6,766.99	25.01	26.64	43.207	1,166.66	-46.76	300.63	256.62	44.01	6.831	
7,000.00	6,905.57	7,066.83	6,873.88	25.42	27.14	42.437	1,184.49	-50.17	305.74	260.80	44.94	6.803	
7,100.00	7,005.33	7,175.54	6,981.65	25.80	27.61	41.712	1,198.36	-52.83	310.60	264.84	45.76	6.788	
7,200.00	7,105.27	7,284.52	7,090.16	26.12	28.05	41.029	1,208.23	-54.72	315.22	268.77	46.44	6.787	
7,300.00	7,205.27	7,393.78	7,199.26	26.19	28.44	40.381	1,214.05	-55.84	319.16	272.34	46.82	6.817	
7,400.00	7,305.27	7,502.55	7,308.00	26.23	28.62	40.000	1,215.79	-56.17	320.42	273.57	46.85	6.839	
7,500.00	7,405.27	7,602.55	7,408.00	26.28	28.70	39.791	1,215.79	-56.17	320.42	273.43	46.99	6.819	
7,600.00	7,505.27	7,702.55	7,508.00	26.32	28.74	39.791	1,215.79	-56.17	320.42	273.33	47.09	6.804	
7,700.00	7,605.27	7,802.55	7,608.00	26.37	28.78	39.791	1,215.79	-56.17	320.42	273.23	47.19	6.789	
7,800.00	7,705.27	7,902.55	7,708.00	26.42	28.83	39.791	1,215.79	-56.17	320.42	273.13	47.30	6.775	
7,900.00	7,805.27	8,002.55	7,808.00	26.46	28.87	39.791	1,215.79	-56.17	320.42	273.02	47.40	6.760	
8,000.00	7,905.27	8,102.55	7,908.00	26.51	28.91	39.791	1,215.79	-56.17	320.42	272.92	47.50	6.745	
8,100.00	8,005.27	8,202.55	8,008.00	26.56	28.95	39.791	1,215.79	-56.17	320.42	272.82	47.61	6.731	
8,200.00	8,105.27	8,302.55	8,108.00	26.60	29.00	39.791	1,215.79	-56.17	320.42	272.71	47.71	6.716	
8,300.00	8,205.27	8,402.55	8,208.00	26.65	29.04	39.791	1,215.79	-56.17	320.42	272.61	47.81	6.701	
8,400.00	8,305.27	8,502.55	8,308.00	26.70	29.08	39.791	1,215.79	-56.17	320.42	272.50	47.92	6.687	
8,500.00	8,405.27	8,602.55	8,408.00	26.74	29.13	39.791	1,215.79	-56.17	320.42	272.40	48.02	6.672	
8,600.00	8,505.27	8,702.55	8,508.00	26.79	29.17	39.791	1,215.79	-56.17	320.42	272.29	48.13	6.658	
8,700.00	8,605.27	8,802.55	8,608.00	26.84	29.21	39.791	1,215.79	-56.17	320.42	272.19	48.23	6.643	
8,800.00	8,705.27	8,902.55	8,708.00	26.89	29.26	39.791	1,215.79	-56.17	320.42	272.08	48.34	6.629	
8,807.83	8,713.10	8,910.38	8,715.83	26.89	29.26	39.791	1,215.79	-56.17	320.42	272.08	48.35	6.628	
8,900.00	8,805.27	8,997.75	8,803.21	26.94	29.29	39.791	1,215.81	-55.95	320.58	272.03	48.55	6.603	
9,000.00	8,905.27	9,074.10	8,879.16	26.98	29.28	39.791	1,216.33	-48.74	325.71	276.83	48.88	6.663	
9,100.00	9,005.27	9,150.00	8,953.04	27.03	29.26	31.369	1,217.58	-31.66	338.57	289.98	48.59	6.967	
9,200.00	9,105.27	9,215.34	9,014.36	27.08	29.26	34.381	1,219.21	-9.27	360.00	311.98	48.02	7.497	
9,300.00	9,205.27	9,277.07	9,069.60	27.13	29.26	37.755	1,221.21	18.15	390.71	343.58	47.13	8.290	
9,400.00	9,305.27	9,332.11	9,116.10	27.18	29.28	41.007	1,223.35	47.47	430.75	384.58	46.17	9.331	
9,500.00	9,405.27	9,380.62	9,154.59	27.23	29.31	43.935	1,225.49	76.90	479.53	434.27	45.26	10.595	
9,600.00	9,505.27	9,423.13	9,186.16	27.28	29.34	46.475	1,227.56	105.28	536.07	491.58	44.49	12.049	
9,700.00	9,605.27	9,450.00	9,204.99	27.33	29.37	49.594	1,228.95	124.39	599.39	555.45	43.95	13.640	
9,800.00	9,704.71	9,500.00	9,237.56	27.30	29.44	53.272	1,231.71	162.21	662.52	618.82	43.70	15.161	
9,900.00	9,801.04	9,533.45	9,257.45	27.25	29.50	57.659	1,233.67	189.03	719.75	675.80	43.95	16.376	
10,000.00	9,891.31	9,571.88	9,278.32	27.22	29.59	62.684	1,236.01	221.21	769.79	725.33	44.46	17.313	
10,100.00	9,972.80	9,600.00	9,292.19	27.22	29.66	68.002	1,237.79	245.60	811.96	766.76	45.19	17.966	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)	Separation Factor	
10,200.00	10,043.02	9,650.00	9,313.83	27.30	29.81	-22.323	1,241.07	290.53	845.07	799.01	46.07	18.344	
10,300.00	10,099.85	9,700.00	9,331.47	27.48	30.00	-21.315	1,244.47	337.18	869.35	822.26	47.09	18.462	
10,400.00	10,141.54	9,731.67	9,340.50	27.80	30.13	-20.823	1,246.68	367.45	883.98	835.78	48.20	18.339	
10,420.28	10,148.03	9,750.00	9,344.96	27.90	30.22	-20.804	1,247.97	385.18	885.94	837.48	48.46	18.281	
10,500.00	10,166.85	9,772.25	9,349.60	28.27	30.33	-20.779	1,249.55	406.88	889.13	839.72	49.41	17.995	
10,600.00	10,175.00	9,800.00	9,354.20	28.90	30.47	-21.074	1,251.54	434.17	884.91	834.28	50.63	17.478	
10,629.33	10,175.00	9,824.70	9,357.18	29.12	30.61	-21.247	1,253.32	458.63	882.41	831.36	51.06	17.283	
10,700.00	10,175.00	9,850.00	9,359.13	29.65	30.75	-21.400	1,255.16	483.78	879.33	827.44	51.89	16.946	
10,729.85	10,175.00	9,865.83	9,359.78	29.91	30.85	-21.483	1,256.31	499.55	879.01	826.76	52.25	16.822	
10,729.91	10,175.00	9,865.85	9,359.78	29.92	30.85	-21.483	1,256.31	499.58	879.01	826.76	52.26	16.822	
10,800.00	10,175.00	9,917.38	9,360.00	30.53	31.19	-21.693	1,259.83	550.98	880.25	827.09	53.16	16.558	
10,823.31	10,175.00	9,943.66	9,360.00	30.76	31.39	-21.776	1,261.30	577.22	880.71	827.19	53.52	16.457	
10,900.00	10,175.00	10,030.23	9,360.00	31.52	32.05	-21.949	1,264.41	663.73	881.65	827.02	54.64	16.136	
10,923.41	10,175.00	10,056.68	9,360.00	31.78	32.27	-21.970	1,264.84	690.18	881.77	826.80	54.98	16.039	
11,000.00	10,175.00	10,136.15	9,360.00	32.61	32.99	-21.977	1,265.18	769.65	881.81	825.77	56.03	15.737	
11,100.00	10,175.00	10,236.15	9,360.00	33.79	33.97	-21.977	1,265.48	869.65	881.81	824.36	57.44	15.351	
11,129.37	10,175.00	10,265.52	9,360.00	34.17	34.27	-21.977	1,265.56	899.02	881.81	823.94	57.87	15.239	
11,200.00	10,175.00	10,336.15	9,360.00	35.06	35.04	-21.977	1,265.77	969.65	881.81	822.91	58.90	14.972	
11,229.37	10,175.00	10,365.52	9,360.00	35.45	35.37	-21.977	1,265.86	999.02	881.81	822.48	59.33	14.862	
11,300.00	10,175.00	10,436.15	9,360.00	36.40	36.20	-21.977	1,266.06	1,069.65	881.81	821.42	60.39	14.602	
11,329.37	10,175.00	10,465.52	9,360.00	36.81	36.56	-21.977	1,266.15	1,099.02	881.81	820.97	60.84	14.495	
11,400.00	10,175.00	10,536.15	9,360.00	37.80	37.44	-21.977	1,266.35	1,169.65	881.81	819.89	61.92	14.241	
11,429.37	10,175.00	10,565.52	9,360.00	38.23	37.82	-21.977	1,266.44	1,199.01	881.81	819.43	62.38	14.136	
11,500.00	10,175.00	10,636.15	9,360.00	39.27	38.75	-21.977	1,266.65	1,269.65	881.81	818.32	63.49	13.890	
11,529.37	10,175.00	10,665.52	9,360.00	39.71	39.15	-21.977	1,266.73	1,299.01	881.81	817.85	63.95	13.788	
11,600.00	10,175.00	10,736.15	9,360.00	40.78	40.13	-21.977	1,266.94	1,369.65	881.81	816.72	65.08	13.549	
11,629.37	10,175.00	10,765.52	9,360.00	41.24	40.54	-21.977	1,267.02	1,399.01	881.81	816.25	65.56	13.450	
11,700.00	10,175.00	10,836.15	9,360.00	42.35	41.56	-21.977	1,267.23	1,469.65	881.81	815.10	66.71	13.218	
11,729.37	10,175.00	10,865.52	9,360.00	42.82	41.99	-21.977	1,267.32	1,499.01	881.81	814.61	67.20	13.123	
11,800.00	10,175.00	10,936.15	9,360.00	43.95	43.05	-21.977	1,267.52	1,569.65	881.81	813.44	68.37	12.898	
11,829.37	10,175.00	10,965.52	9,360.00	44.43	43.49	-21.977	1,267.61	1,599.01	881.81	812.95	68.86	12.806	
11,900.00	10,175.00	11,036.15	9,360.00	45.59	44.58	-21.977	1,267.82	1,669.65	881.81	811.76	70.05	12.588	
11,929.37	10,175.00	11,065.52	9,360.00	46.09	45.03	-21.977	1,267.90	1,699.01	881.81	811.26	70.55	12.499	
12,000.00	10,175.00	11,136.15	9,360.00	47.27	46.15	-21.977	1,268.11	1,769.64	881.81	810.05	71.76	12.289	
12,029.37	10,175.00	11,165.52	9,360.00	47.77	46.62	-21.977	1,268.19	1,799.01	881.81	809.55	72.26	12.203	
12,100.00	10,175.00	11,236.15	9,360.00	48.98	47.76	-21.977	1,268.40	1,869.64	881.81	808.32	73.48	12.000	
12,129.37	10,175.00	11,265.52	9,360.00	49.48	48.24	-21.977	1,268.49	1,899.01	881.81	807.81	74.00	11.917	
12,200.00	10,175.00	11,336.15	9,360.00	50.71	49.40	-21.977	1,268.69	1,969.64	881.81	806.58	75.23	11.721	
12,229.37	10,175.00	11,365.52	9,360.00	51.23	49.89	-21.977	1,268.78	1,999.01	881.81	806.06	75.75	11.641	
12,300.00	10,175.00	11,436.15	9,360.00	52.47	51.08	-21.977	1,268.99	2,069.64	881.81	804.81	77.00	11.452	
12,329.37	10,175.00	11,465.52	9,360.00	52.99	51.58	-21.977	1,269.07	2,099.01	881.81	804.28	77.52	11.375	
12,400.00	10,175.00	11,536.15	9,360.00	54.25	52.78	-21.977	1,269.28	2,169.64	881.81	803.02	78.79	11.192	
12,429.37	10,175.00	11,565.52	9,360.00	54.78	53.29	-21.977	1,269.36	2,199.01	881.81	802.49	79.32	11.118	
12,500.00	10,175.00	11,636.15	9,360.00	56.05	54.51	-21.977	1,269.57	2,269.64	881.81	801.22	80.59	10.942	
12,529.37	10,175.00	11,665.52	9,360.00	56.58	55.02	-21.977	1,269.66	2,299.01	881.81	800.68	81.12	10.870	
12,600.00	10,175.00	11,736.15	9,360.00	57.86	56.26	-21.977	1,269.86	2,369.64	881.81	799.40	82.41	10.700	
12,629.37	10,175.00	11,765.52	9,360.00	58.40	56.78	-21.977	1,269.95	2,399.01	881.81	798.86	82.95	10.631	
12,700.00	10,175.00	11,836.15	9,360.00	59.70	58.04	-21.977	1,270.16	2,469.64	881.81	797.56	84.24	10.467	
12,729.37	10,175.00	11,865.52	9,360.00	60.24	58.56	-21.977	1,270.24	2,499.01	881.81	797.02	84.78	10.401	
12,800.00	10,175.00	11,936.15	9,360.00	61.55	59.83	-21.977	1,270.45	2,569.64	881.81	795.72	86.09	10.243	
12,829.37	10,175.00	11,965.52	9,360.00	62.09	60.36	-21.977	1,270.53	2,599.01	881.81	795.17	86.64	10.178	
12,900.00	10,175.00	12,036.15	9,360.00	63.41	61.64	-21.977	1,270.74	2,669.64	881.81	793.86	87.95	10.026	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,929.37	10,175.00	12,065.52	9,360.00	63.96	62.17	-21.977	1,270.83	2,699.01	881.81	793.31	88.50	9.964			
13,000.00	10,175.00	12,136.15	9,360.00	65.29	63.46	-21.977	1,271.03	2,769.64	881.81	791.98	89.82	9.817			
13,029.37	10,175.00	12,165.52	9,360.00	65.84	64.00	-21.977	1,271.12	2,799.01	881.81	791.43	90.38	9.757			
13,100.00	10,175.00	12,236.15	9,360.00	67.17	65.30	-21.977	1,271.33	2,869.64	881.81	790.10	91.71	9.615			
13,129.37	10,175.00	12,265.52	9,360.00	67.73	65.85	-21.977	1,271.41	2,899.01	881.81	789.54	92.26	9.558			
13,200.00	10,175.00	12,336.15	9,360.00	69.07	67.16	-21.977	1,271.62	2,969.64	881.81	788.21	93.60	9.421			
13,229.37	10,175.00	12,365.52	9,360.00	69.63	67.70	-21.977	1,271.70	2,999.01	881.81	787.65	94.16	9.365			
13,300.00	10,175.00	12,436.15	9,360.00	70.98	69.02	-21.977	1,271.91	3,069.64	881.81	786.30	95.51	9.233			
13,329.37	10,175.00	12,465.52	9,360.00	71.54	69.57	-21.977	1,272.00	3,099.01	881.81	785.74	96.07	9.179			
13,400.00	10,175.00	12,536.15	9,360.00	72.89	70.90	-21.977	1,272.20	3,169.64	881.81	784.39	97.42	9.052			
13,429.37	10,175.00	12,565.52	9,360.00	73.46	71.45	-21.977	1,272.29	3,199.01	881.81	783.82	97.98	8.999			
13,500.00	10,175.00	12,636.15	9,360.00	74.82	72.79	-21.977	1,272.50	3,269.64	881.81	782.46	99.34	8.876			
13,529.37	10,175.00	12,665.52	9,360.00	75.38	73.34	-21.977	1,272.58	3,299.01	881.81	781.90	99.91	8.826			
13,600.00	10,175.00	12,736.15	9,360.00	76.75	74.68	-21.977	1,272.79	3,369.64	881.81	780.53	101.28	8.707			
13,629.37	10,175.00	12,765.52	9,360.00	77.32	75.24	-21.977	1,272.87	3,399.01	881.81	779.96	101.84	8.658			
13,700.00	10,175.00	12,836.15	9,360.00	78.69	76.59	-21.977	1,273.08	3,469.64	881.81	778.59	103.21	8.543			
13,729.37	10,175.00	12,865.52	9,360.00	79.26	77.15	-21.977	1,273.17	3,499.00	881.81	778.02	103.79	8.496			
13,800.00	10,175.00	12,936.15	9,360.00	80.63	78.50	-21.977	1,273.37	3,569.64	881.81	776.64	105.16	8.385			
13,829.37	10,175.00	12,965.52	9,360.00	81.21	79.07	-21.977	1,273.46	3,599.00	881.81	776.07	105.74	8.340			
13,900.00	10,175.00	13,036.15	9,360.00	82.58	80.43	-21.977	1,273.67	3,669.64	881.81	774.69	107.12	8.232			
13,929.37	10,175.00	13,065.52	9,360.00	83.16	80.99	-21.977	1,273.75	3,699.00	881.81	774.12	107.69	8.188			
14,000.00	10,175.00	13,136.15	9,360.00	84.54	82.36	-21.977	1,273.96	3,769.64	881.81	772.73	109.08	8.084			
14,029.37	10,175.00	13,165.52	9,360.00	85.12	82.92	-21.977	1,274.04	3,799.00	881.81	772.15	109.65	8.042			
14,100.00	10,175.00	13,236.15	9,360.00	86.50	84.29	-21.977	1,274.25	3,869.64	881.81	770.76	111.04	7.941			
14,129.37	10,175.00	13,265.52	9,360.00	87.08	84.86	-21.977	1,274.34	3,899.00	881.81	770.18	111.62	7.900			
14,200.00	10,175.00	13,336.15	9,360.00	88.47	86.23	-21.977	1,274.54	3,969.64	881.81	768.79	113.02	7.802			
14,229.37	10,175.00	13,365.52	9,360.00	89.05	86.81	-21.977	1,274.63	3,999.00	881.81	768.21	113.60	7.763			
14,300.00	10,175.00	13,436.15	9,360.00	90.44	88.18	-21.977	1,274.84	4,069.63	881.81	766.81	115.00	7.668			
14,329.37	10,175.00	13,465.52	9,360.00	91.02	88.76	-21.977	1,274.92	4,099.00	881.81	766.23	115.58	7.630			
14,400.00	10,175.00	13,536.15	9,360.00	92.42	90.14	-21.977	1,275.13	4,169.63	881.81	764.83	116.98	7.538			
14,429.37	10,175.00	13,565.52	9,360.00	93.00	90.71	-21.977	1,275.21	4,199.00	881.81	764.24	117.56	7.501			
14,500.00	10,175.00	13,636.15	9,360.00	94.40	92.09	-21.977	1,275.42	4,269.63	881.81	762.84	118.97	7.412			
14,529.37	10,175.00	13,665.52	9,360.00	94.98	92.67	-21.977	1,275.51	4,299.00	881.81	762.25	119.56	7.376			
14,600.00	10,175.00	13,736.15	9,360.00	96.38	94.06	-21.977	1,275.71	4,369.63	881.81	760.84	120.96	7.290			
14,629.37	10,175.00	13,765.52	9,360.00	96.97	94.63	-21.977	1,275.80	4,399.00	881.81	760.26	121.55	7.255			
14,700.00	10,175.00	13,836.15	9,360.00	98.37	96.02	-21.977	1,276.01	4,469.63	881.81	758.84	122.96	7.171			
14,729.37	10,175.00	13,865.52	9,360.00	98.95	96.60	-21.977	1,276.09	4,499.00	881.81	758.26	123.55	7.137			
14,800.00	10,175.00	13,936.15	9,360.00	100.36	98.00	-21.977	1,276.30	4,569.63	881.81	756.84	124.97	7.056			
14,829.37	10,175.00	13,965.52	9,360.00	100.95	98.58	-21.977	1,276.38	4,599.00	881.81	756.25	125.56	7.023			
14,900.00	10,175.00	14,036.15	9,360.00	102.35	99.97	-21.977	1,276.59	4,669.63	881.81	754.83	126.97	6.945			
14,929.37	10,175.00	14,065.52	9,360.00	102.94	100.55	-21.977	1,276.68	4,699.00	881.81	754.24	127.57	6.913			
15,000.00	10,175.00	14,136.15	9,360.00	104.35	101.95	-21.977	1,276.88	4,769.63	881.81	752.82	128.99	6.836			
15,029.37	10,175.00	14,165.52	9,360.00	104.94	102.53	-21.977	1,276.97	4,799.00	881.81	752.23	129.58	6.805			
15,100.00	10,175.00	14,236.15	9,360.00	106.35	103.94	-21.977	1,277.18	4,869.63	881.81	750.80	131.00	6.731			
15,129.37	10,175.00	14,265.52	9,360.00	106.94	104.52	-21.977	1,277.26	4,899.00	881.81	750.21	131.59	6.701			
15,200.00	10,175.00	14,336.15	9,360.00	108.35	105.92	-21.977	1,277.47	4,969.63	881.81	748.79	133.02	6.629			
15,229.37	10,175.00	14,365.52	9,360.00	108.94	106.51	-21.977	1,277.55	4,999.00	881.81	748.19	133.62	6.600			
15,300.00	10,175.00	14,436.15	9,360.00	110.36	107.91	-21.977	1,277.76	5,069.63	881.81	746.76	135.04	6.530			
15,329.37	10,175.00	14,465.52	9,360.00	110.95	108.50	-21.977	1,277.85	5,099.00	881.81	746.17	135.64	6.501			
15,400.00	10,175.00	14,536.15	9,360.00	112.36	109.90	-21.977	1,278.05	5,169.63	881.81	744.74	137.07	6.433			
15,429.37	10,175.00	14,565.52	9,360.00	112.95	110.49	-21.977	1,278.14	5,199.00	881.81	744.14	137.67	6.405			
15,500.00	10,175.00	14,636.15	9,360.00	114.37	111.90	-21.977	1,278.35	5,269.63	881.81	742.71	139.10	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 (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)		
15,529.37	10,175.00	14,665.52	9,360.00	114.96	112.49	-21.977	1,278.43	5,299.00	881.81	742.11	139.70	6.312	
15,600.00	10,175.00	14,736.15	9,360.00	116.38	113.90	-21.977	1,278.64	5,369.63	881.81	740.67	141.13	6.248	
15,629.37	10,175.00	14,765.52	9,360.00	116.98	114.49	-21.977	1,278.72	5,399.00	881.81	740.08	141.73	6.222	
15,700.00	10,175.00	14,836.15	9,360.00	118.40	115.90	-21.977	1,278.93	5,469.63	881.81	738.64	143.17	6.159	
15,729.37	10,175.00	14,865.52	9,360.00	118.99	116.49	-21.977	1,279.02	5,499.00	881.81	738.04	143.77	6.134	
15,800.00	10,175.00	14,936.15	9,360.00	120.41	117.90	-21.977	1,279.22	5,569.63	881.81	736.60	145.21	6.073	
15,829.37	10,175.00	14,965.52	9,360.00	121.01	118.49	-21.977	1,279.31	5,599.00	881.81	736.00	145.80	6.048	
15,900.00	10,175.00	15,036.15	9,360.00	122.43	119.91	-21.977	1,279.52	5,669.63	881.81	734.56	147.25	5.989	
15,929.37	10,175.00	15,065.52	9,360.00	123.02	120.50	-21.977	1,279.60	5,699.00	881.81	733.96	147.85	5.964	
16,000.00	10,175.00	15,136.15	9,360.00	124.45	121.91	-21.977	1,279.81	5,769.63	881.81	732.52	149.29	5.907	
16,029.37	10,175.00	15,165.52	9,360.00	125.04	122.50	-21.977	1,279.89	5,799.00	881.81	731.92	149.89	5.883	
16,100.00	10,175.00	15,236.15	9,360.00	126.47	123.92	-21.977	1,280.10	5,869.63	881.81	730.47	151.34	5.827	
16,129.37	10,175.00	15,265.52	9,360.00	127.06	124.51	-21.977	1,280.19	5,898.99	881.81	729.87	151.94	5.804	
16,200.00	10,175.00	15,336.15	9,360.00	128.49	125.93	-21.977	1,280.39	5,969.63	881.81	728.42	153.38	5.749	
16,229.37	10,175.00	15,365.52	9,360.00	129.09	126.53	-21.977	1,280.48	5,998.99	881.81	727.82	153.99	5.727	
16,300.00	10,175.00	15,436.15	9,360.00	130.52	127.95	-21.977	1,280.69	6,069.63	881.81	726.37	155.43	5.673	
16,329.37	10,175.00	15,465.52	9,360.00	131.11	128.54	-21.977	1,280.77	6,098.99	881.81	725.77	156.04	5.651	
16,400.00	10,175.00	15,536.15	9,360.00	132.54	129.96	-21.977	1,280.98	6,169.63	881.81	724.32	157.49	5.599	
16,429.37	10,175.00	15,565.52	9,360.00	133.14	130.56	-21.977	1,281.06	6,198.99	881.81	723.72	158.09	5.578	
16,500.00	10,175.00	15,636.15	9,360.00	134.57	131.98	-21.977	1,281.27	6,269.63	881.81	722.26	159.54	5.527	
16,529.37	10,175.00	15,665.52	9,360.00	135.16	132.57	-21.977	1,281.36	6,298.99	881.81	721.66	160.15	5.506	
16,600.00	10,175.00	15,736.15	9,360.00	136.60	134.00	-21.977	1,281.56	6,369.63	881.81	720.21	161.60	5.457	
16,629.37	10,175.00	15,765.52	9,360.00	137.19	134.59	-21.977	1,281.65	6,398.99	881.81	719.60	162.20	5.436	
16,700.00	10,175.00	15,836.15	9,360.00	138.62	136.02	-21.977	1,281.86	6,469.62	881.81	718.15	163.66	5.388	
16,729.37	10,175.00	15,865.52	9,360.00	139.22	136.61	-21.977	1,281.94	6,498.99	881.81	717.54	164.26	5.368	
16,800.00	10,175.00	15,936.15	9,360.00	140.66	138.04	-21.977	1,282.15	6,569.62	881.81	716.09	165.72	5.321	
16,829.37	10,175.00	15,965.52	9,360.00	141.25	138.63	-21.977	1,282.23	6,598.99	881.81	715.48	166.32	5.302	
16,900.00	10,175.00	16,036.15	9,360.00	142.69	140.06	-21.977	1,282.44	6,669.62	881.81	714.02	167.78	5.256	
16,929.37	10,175.00	16,065.52	9,360.00	143.28	140.66	-21.977	1,282.53	6,698.99	881.81	713.42	168.39	5.237	
17,000.00	10,175.00	16,136.15	9,360.00	144.72	142.09	-21.977	1,282.73	6,769.62	881.81	711.96	169.85	5.192	
17,029.37	10,175.00	16,165.52	9,360.00	145.32	142.68	-21.977	1,282.82	6,798.99	881.81	711.35	170.45	5.173	
17,100.00	10,175.00	16,236.15	9,360.00	146.75	144.11	-21.977	1,283.03	6,869.62	881.81	709.89	171.91	5.129	
17,129.37	10,175.00	16,265.52	9,360.00	147.35	144.71	-21.977	1,283.11	6,898.99	881.81	709.29	172.52	5.111	
17,200.00	10,175.00	16,336.15	9,360.00	148.79	146.14	-21.977	1,283.32	6,969.62	881.81	707.83	173.98	5.068	
17,229.37	10,175.00	16,365.52	9,360.00	149.38	146.73	-21.977	1,283.40	6,998.99	881.81	707.22	174.59	5.051	
17,300.00	10,175.00	16,436.15	9,360.00	150.82	148.17	-21.977	1,283.61	7,069.62	881.81	705.76	176.05	5.009	
17,329.37	10,175.00	16,465.52	9,360.00	151.42	148.76	-21.977	1,283.70	7,098.99	881.81	705.15	176.66	4.992	
17,400.00	10,175.00	16,536.15	9,360.00	152.86	150.20	-21.977	1,283.90	7,169.62	881.81	703.69	178.12	4.951	
17,429.37	10,175.00	16,565.52	9,360.00	153.46	150.79	-21.977	1,283.99	7,198.99	881.81	703.08	178.73	4.934	
17,500.00	10,175.00	16,636.15	9,360.00	154.90	152.23	-21.977	1,284.20	7,269.62	881.81	701.61	180.19	4.894	
17,529.37	10,175.00	16,665.52	9,360.00	155.49	152.82	-21.977	1,284.28	7,298.99	881.81	701.01	180.80	4.877	
17,600.00	10,175.00	16,736.15	9,360.00	156.93	154.26	-21.977	1,284.49	7,369.62	881.81	699.54	182.26	4.838	
17,629.37	10,175.00	16,765.52	9,360.00	157.53	154.85	-21.977	1,284.57	7,398.99	881.81	698.93	182.87	4.822	
17,700.00	10,175.00	16,836.15	9,360.00	158.97	156.29	-21.977	1,284.78	7,469.62	881.81	697.47	184.34	4.784	
17,729.37	10,175.00	16,865.52	9,360.00	159.57	156.89	-21.977	1,284.87	7,498.99	881.81	696.86	184.95	4.768	
17,800.00	10,175.00	16,936.15	9,360.00	161.01	158.32	-21.977	1,285.07	7,569.62	881.81	695.39	186.42	4.730	
17,829.37	10,175.00	16,965.52	9,360.00	161.61	158.92	-21.977	1,285.16	7,598.99	881.81	694.78	187.03	4.715	
17,900.00	10,175.00	17,036.15	9,360.00	163.05	160.36	-21.977	1,285.37	7,669.62	881.81	693.31	188.49	4.678	
17,929.37	10,175.00	17,065.52	9,360.00	163.65	160.96	-21.977	1,285.45	7,698.99	881.81	692.70	189.10	4.663	
18,000.00	10,175.00	17,136.15	9,360.00	165.09	162.39	-21.977	1,285.66	7,769.62	881.81	691.23	190.57	4.627	
18,029.37	10,175.00	17,165.52	9,360.00	165.69	162.99	-21.977	1,285.74	7,798.99	881.81	690.62	191.18	4.612	
18,100.00	10,175.00	17,236.15	9,360.00	167.14	164.43	-21.977	1,285.95	7,869.62	881.81	689.15	192.65	4.577	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)		
18,129.37	10,175.00	17,265.52	9,360.00	167.74	165.03	-21.977	1,286.04	7,898.99	881.81	688.54	193.26	4.563	
18,200.00	10,175.00	17,336.15	9,360.00	169.18	166.47	-21.977	1,286.24	7,969.62	881.81	687.07	194.73	4.528	
18,229.37	10,175.00	17,365.52	9,360.00	169.78	167.06	-21.977	1,286.33	7,998.99	881.81	686.46	195.34	4.514	
18,300.00	10,175.00	17,436.15	9,360.00	171.22	168.50	-21.977	1,286.54	8,069.62	881.81	684.99	196.82	4.480	
18,329.37	10,175.00	17,465.52	9,360.00	171.82	169.10	-21.977	1,286.62	8,098.99	881.81	684.38	197.43	4.466	
18,400.00	10,175.00	17,536.15	9,360.00	173.27	170.54	-21.977	1,286.83	8,169.62	881.81	682.91	198.90	4.433	
18,429.37	10,175.00	17,565.52	9,360.00	173.87	171.14	-21.977	1,286.91	8,198.98	881.81	682.30	199.51	4.420	
18,500.00	10,175.00	17,636.15	9,360.00	175.31	172.58	-21.977	1,287.12	8,269.62	881.81	680.82	200.98	4.387	
18,529.37	10,175.00	17,665.52	9,360.00	175.91	173.18	-21.977	1,287.21	8,298.98	881.81	680.21	201.60	4.374	
18,600.00	10,175.00	17,736.15	9,360.00	177.36	174.62	-21.977	1,287.41	8,369.62	881.81	678.74	203.07	4.342	
18,629.37	10,175.00	17,765.52	9,360.00	177.96	175.22	-21.977	1,287.50	8,398.98	881.81	678.12	203.68	4.329	
18,700.00	10,175.00	17,836.15	9,360.00	179.40	176.66	-21.977	1,287.71	8,469.62	881.81	676.65	205.15	4.298	
18,729.37	10,175.00	17,865.52	9,360.00	180.00	177.26	-21.977	1,287.79	8,498.98	881.81	676.04	205.77	4.285	
18,800.00	10,175.00	17,936.15	9,360.00	181.45	178.70	-21.977	1,288.00	8,569.62	881.81	674.56	207.24	4.255	
18,829.37	10,175.00	17,965.52	9,360.00	182.05	179.30	-21.977	1,288.08	8,598.98	881.81	673.95	207.86	4.242	
18,900.00	10,175.00	18,036.15	9,360.00	183.50	180.74	-21.977	1,288.29	8,669.62	881.81	672.48	209.33	4.213	
18,929.37	10,175.00	18,065.52	9,360.00	184.10	181.34	-21.977	1,288.38	8,698.98	881.81	671.86	209.94	4.200	
19,000.00	10,175.00	18,136.15	9,360.00	185.54	182.79	-21.977	1,288.58	8,769.61	881.81	670.39	211.42	4.171	
19,029.37	10,175.00	18,165.52	9,360.00	186.14	183.39	-21.977	1,288.67	8,798.98	881.81	669.77	212.03	4.159	
19,100.00	10,175.00	18,236.15	9,360.00	187.59	184.83	-21.977	1,288.88	8,869.61	881.81	668.30	213.51	4.130	
19,129.37	10,175.00	18,265.52	9,360.00	188.19	185.43	-21.977	1,288.96	8,898.98	881.81	667.68	214.12	4.118	
19,200.00	10,175.00	18,336.15	9,360.00	189.64	186.87	-21.977	1,289.17	8,969.61	881.81	666.21	215.60	4.090	
19,229.37	10,175.00	18,365.52	9,360.00	190.24	187.47	-21.977	1,289.25	8,998.98	881.81	665.59	216.21	4.078	
19,300.00	10,175.00	18,436.15	9,360.00	191.69	188.92	-21.977	1,289.46	9,069.61	881.81	664.11	217.69	4.051	
19,329.37	10,175.00	18,465.52	9,360.00	192.29	189.52	-21.977	1,289.55	9,098.98	881.81	663.50	218.31	4.039	
19,400.00	10,175.00	18,536.15	9,360.00	193.74	190.96	-21.977	1,289.75	9,169.61	881.81	662.02	219.78	4.012	
19,429.37	10,175.00	18,565.52	9,360.00	194.34	191.56	-21.977	1,289.84	9,198.98	881.81	661.41	220.40	4.001	
19,500.00	10,175.00	18,636.15	9,360.00	195.79	193.01	-21.977	1,290.05	9,269.61	881.81	659.93	221.88	3.974	
19,529.37	10,175.00	18,665.52	9,360.00	196.39	193.61	-21.977	1,290.13	9,298.98	881.81	659.31	222.49	3.963	
19,600.00	10,175.00	18,736.15	9,360.00	197.84	195.05	-21.977	1,290.34	9,369.61	881.81	657.83	223.97	3.937	
19,629.37	10,175.00	18,765.52	9,360.00	198.44	195.65	-21.977	1,290.42	9,398.98	881.81	657.22	224.59	3.926	
19,700.00	10,175.00	18,836.15	9,360.00	199.89	197.10	-21.977	1,290.63	9,469.61	881.81	655.74	226.07	3.901	
19,729.37	10,175.00	18,865.52	9,360.00	200.49	197.70	-21.977	1,290.72	9,498.98	881.81	655.12	226.68	3.890	
19,800.00	10,175.00	18,936.15	9,360.00	201.94	199.15	-21.977	1,290.92	9,569.61	881.81	653.64	228.16	3.865	
19,829.37	10,175.00	18,965.52	9,360.00	202.54	199.75	-21.977	1,291.01	9,598.98	881.81	653.03	228.78	3.854	
19,900.00	10,175.00	19,036.15	9,360.00	203.99	201.19	-21.977	1,291.22	9,669.61	881.81	651.55	230.26	3.830	
19,929.37	10,175.00	19,065.52	9,360.00	204.59	201.80	-21.977	1,291.30	9,698.98	881.81	650.93	230.87	3.819	
20,000.00	10,175.00	19,136.15	9,360.00	206.04	203.24	-21.977	1,291.51	9,769.61	881.81	649.45	232.35	3.795	
20,029.37	10,175.00	19,165.52	9,360.00	206.64	203.84	-21.977	1,291.59	9,798.98	881.81	648.83	232.97	3.785	
20,100.00	10,175.00	19,236.15	9,360.00	208.09	205.29	-21.977	1,291.80	9,869.61	881.81	647.35	234.45	3.761	
20,129.37	10,175.00	19,265.52	9,360.00	208.69	205.89	-21.977	1,291.89	9,898.98	881.81	646.74	235.07	3.751	
20,200.00	10,175.00	19,336.15	9,360.00	210.14	207.34	-21.977	1,292.09	9,969.61	881.81	645.26	236.55	3.728	
20,229.37	10,175.00	19,365.52	9,360.00	210.75	207.94	-21.977	1,292.18	9,998.98	881.81	644.64	237.17	3.718	
20,300.00	10,175.00	19,436.15	9,360.00	212.20	209.39	-21.977	1,292.38	10,069.61	881.81	643.16	238.65	3.695	
20,329.37	10,175.00	19,465.52	9,360.00	212.80	209.99	-21.977	1,292.47	10,098.98	881.81	642.54	239.27	3.685	
20,400.00	10,175.00	19,536.15	9,360.00	214.25	211.44	-21.977	1,292.68	10,169.61	881.81	641.06	240.75	3.663	
20,429.37	10,175.00	19,565.52	9,360.00	214.85	212.04	-21.977	1,292.76	10,198.98	881.81	640.44	241.36	3.653	
20,500.00	10,175.00	19,636.15	9,360.00	216.30	213.49	-21.977	1,292.97	10,269.61	881.81	638.96	242.85	3.631	
20,529.37	10,175.00	19,665.52	9,360.00	216.91	214.09	-21.977	1,293.06	10,298.98	881.81	638.34	243.46	3.622	
20,600.00	10,175.00	19,736.15	9,360.00	218.36	215.54	-21.977	1,293.26	10,369.61	881.81	636.86	244.95	3.600	
20,629.37	10,175.00	19,765.52	9,360.00	218.96	216.14	-21.977	1,293.35	10,398.98	881.81	636.24	245.57	3.591	
20,700.00	10,175.00	19,836.15	9,360.00	220.41	217.59	-21.977	1,293.55	10,469.61	881.81	634.76	247.05	3.569	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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 (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)			
20,729.37	10,175.00	19,865.52	9,360.00	221.01	218.19	-21.977	1,293.64	10,498.98	881.81	634.14	247.67	3.560	
20,800.00	10,175.00	19,936.15	9,360.00	222.47	219.64	-21.977	1,293.85	10,569.61	881.81	632.65	249.15	3.539	
20,829.37	10,175.00	19,965.52	9,360.00	223.07	220.24	-21.977	1,293.93	10,598.97	881.81	632.04	249.77	3.530	
20,900.00	10,175.00	20,036.15	9,360.00	224.52	221.69	-21.977	1,294.14	10,669.61	881.81	630.55	251.25	3.510	
20,929.37	10,175.00	20,065.52	9,360.00	225.12	222.29	-21.977	1,294.23	10,698.97	881.81	629.93	251.87	3.501	
21,000.00	10,175.00	20,136.15	9,360.00	226.57	223.74	-21.977	1,294.43	10,769.61	881.81	628.45	253.36	3.480	
21,029.37	10,175.00	20,165.52	9,360.00	227.18	224.35	-21.977	1,294.52	10,798.97	881.81	627.83	253.97	3.472	
21,100.00	10,175.00	20,236.15	9,360.00	228.63	225.80	-21.977	1,294.72	10,869.61	881.81	626.35	255.46	3.452	
21,129.37	10,175.00	20,265.52	9,360.00	229.23	226.40	-21.977	1,294.81	10,898.97	881.81	625.73	256.08	3.444	
21,200.00	10,175.00	20,336.15	9,360.00	230.69	227.85	-21.977	1,295.02	10,969.61	881.81	624.24	257.56	3.424	
21,229.37	10,175.00	20,365.52	9,360.00	231.29	228.45	-21.977	1,295.10	10,998.97	881.81	623.62	258.18	3.415	
21,300.00	10,175.00	20,436.15	9,360.00	232.74	229.90	-21.977	1,295.31	11,069.61	881.81	622.14	259.67	3.396	
21,329.37	10,175.00	20,465.52	9,360.00	233.34	230.50	-21.977	1,295.40	11,098.97	881.81	621.52	260.28	3.388	
21,400.00	10,175.00	20,536.15	9,360.00	234.80	231.95	-21.977	1,295.60	11,169.60	881.80	620.03	261.77	3.369	
21,429.37	10,175.00	20,565.52	9,360.00	235.40	232.56	-21.977	1,295.69	11,198.97	881.80	619.42	262.39	3.361	
21,500.00	10,175.00	20,636.15	9,360.00	236.85	234.01	-21.977	1,295.89	11,269.60	881.80	617.93	263.88	3.342	
21,529.37	10,175.00	20,665.52	9,360.00	237.46	234.61	-21.977	1,295.98	11,298.97	881.80	617.31	264.49	3.334	
21,600.00	10,175.00	20,736.15	9,360.00	238.91	236.06	-21.977	1,296.19	11,369.60	881.80	615.82	265.98	3.315	
21,629.37	10,175.00	20,765.52	9,360.00	239.51	236.66	-21.977	1,296.27	11,398.97	881.80	615.20	266.60	3.308	
21,700.00	10,175.00	20,836.15	9,360.00	240.97	238.11	-21.977	1,296.48	11,469.60	881.80	613.72	268.09	3.289	
21,729.37	10,175.00	20,865.52	9,360.00	241.57	238.72	-21.977	1,296.57	11,498.97	881.80	613.10	268.71	3.282	
21,800.00	10,175.00	20,936.15	9,360.00	243.02	240.17	-21.977	1,296.77	11,569.60	881.80	611.61	270.19	3.264	
21,829.37	10,175.00	20,965.52	9,360.00	243.63	240.77	-21.977	1,296.86	11,598.97	881.80	610.99	270.81	3.256	
21,900.00	10,175.00	21,036.15	9,360.00	245.08	242.22	-21.977	1,297.06	11,669.60	881.80	609.50	272.30	3.238	
21,929.37	10,175.00	21,065.52	9,360.00	245.68	242.83	-21.977	1,297.15	11,698.97	881.80	608.88	272.92	3.231	
22,000.00	10,175.00	21,136.15	9,360.00	247.14	244.28	-21.977	1,297.36	11,769.60	881.80	607.40	274.41	3.213	
22,029.37	10,175.00	21,165.52	9,360.00	247.74	244.88	-21.977	1,297.44	11,798.97	881.80	606.78	275.03	3.206	
22,100.00	10,175.00	21,236.15	9,360.00	249.19	246.33	-21.977	1,297.65	11,869.60	881.80	605.29	276.52	3.189	
22,129.37	10,175.00	21,265.52	9,360.00	249.80	246.94	-21.977	1,297.74	11,898.97	881.80	604.67	277.14	3.182	
22,200.00	10,175.00	21,336.15	9,360.00	251.25	248.39	-21.977	1,297.94	11,969.60	881.80	603.18	278.62	3.165	
22,229.37	10,175.00	21,365.52	9,360.00	251.86	248.99	-21.977	1,298.03	11,998.97	881.80	602.56	279.24	3.158	
22,300.00	10,175.00	21,436.15	9,360.00	253.31	250.44	-21.977	1,298.23	12,069.60	881.80	601.07	280.73	3.141	
22,329.37	10,175.00	21,465.52	9,360.00	253.91	251.05	-21.977	1,298.32	12,098.97	881.80	600.45	281.35	3.134	
22,400.00	10,175.00	21,536.15	9,360.00	255.37	252.50	-21.977	1,298.53	12,169.60	881.80	598.96	282.84	3.118	
22,429.37	10,175.00	21,565.52	9,360.00	255.97	253.10	-21.977	1,298.61	12,198.97	881.80	598.34	283.46	3.111	
22,500.00	10,175.00	21,636.15	9,360.00	257.43	254.55	-21.977	1,298.82	12,269.60	881.80	596.85	284.95	3.095	
22,529.37	10,175.00	21,665.52	9,360.00	258.03	255.16	-21.977	1,298.91	12,298.97	881.80	596.24	285.57	3.088	
22,600.00	10,175.00	21,736.15	9,360.00	259.48	256.61	-21.977	1,299.11	12,369.60	881.80	594.75	287.06	3.072	
22,629.37	10,175.00	21,765.52	9,360.00	260.09	257.21	-21.977	1,299.20	12,398.97	881.80	594.13	287.68	3.065	
22,700.00	10,175.00	21,836.15	9,360.00	261.54	258.67	-21.977	1,299.40	12,469.60	881.80	592.64	289.17	3.049	
22,729.37	10,175.00	21,865.52	9,360.00	262.15	259.27	-21.977	1,299.49	12,498.97	881.80	592.02	289.79	3.043	
22,800.00	10,175.00	21,936.15	9,360.00	263.60	260.72	-21.977	1,299.70	12,569.60	881.80	590.52	291.28	3.027	
22,829.37	10,175.00	21,965.52	9,360.00	264.21	261.33	-21.977	1,299.78	12,598.97	881.80	589.91	291.90	3.021	
22,900.00	10,175.00	22,036.15	9,360.00	265.66	262.78	-21.977	1,299.99	12,669.60	881.80	588.41	293.39	3.006	
22,929.37	10,175.00	22,065.52	9,360.00	266.27	263.38	-21.977	1,300.08	12,698.97	881.80	587.79	294.01	2.999	
23,000.00	10,175.00	22,136.15	9,360.00	267.72	264.84	-21.977	1,300.28	12,769.60	881.80	586.30	295.50	2.984	
23,029.37	10,175.00	22,165.52	9,360.00	268.32	265.44	-21.977	1,300.37	12,798.97	881.80	585.68	296.12	2.978	
23,100.00	10,175.00	22,236.15	9,360.00	269.78	266.89	-21.977	1,300.57	12,869.60	881.80	584.19	297.61	2.963	
23,129.37	10,175.00	22,265.52	9,360.00	270.38	267.50	-21.977	1,300.66	12,898.96	881.80	583.57	298.23	2.957	
23,200.00	10,175.00	22,336.15	9,360.00	271.84	268.95	-21.977	1,300.87	12,969.60	881.80	582.08	299.72	2.942	
23,229.37	10,175.00	22,365.52	9,360.00	272.44	269.56	-21.977	1,300.95	12,998.96	881.80	581.46	300.34	2.936	
23,300.00	10,175.00	22,436.15	9,360.00	273.90	271.01	-21.977	1,301.16	13,069.60	881.80	579.97	301.84	2.921	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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	
23,329.37	10,175.00	22,465.52	9,360.00	274.50	271.61	-21.977	1,301.25	13,098.96	881.80	579.35	302.46	2.915		
23,400.00	10,175.00	22,536.15	9,360.00	275.96	273.07	-21.977	1,301.45	13,169.60	881.80	577.86	303.95	2.901		
23,429.37	10,175.00	22,565.52	9,360.00	276.56	273.67	-21.977	1,301.54	13,198.96	881.80	577.24	304.57	2.895		
23,500.00	10,175.00	22,636.15	9,360.00	278.02	275.12	-21.977	1,301.74	13,269.60	881.80	575.74	306.06	2.881		
23,529.37	10,175.00	22,665.52	9,360.00	278.62	275.73	-21.977	1,301.83	13,298.96	881.80	575.12	306.68	2.875		
23,600.00	10,175.00	22,736.15	9,360.00	280.08	277.18	-21.977	1,302.04	13,369.60	881.80	573.63	308.17	2.861		
23,629.37	10,175.00	22,765.52	9,360.00	280.68	277.79	-21.977	1,302.12	13,398.96	881.80	573.01	308.79	2.856		
23,700.00	10,175.00	22,836.15	9,360.00	282.14	279.24	-21.977	1,302.33	13,469.59	881.80	571.52	310.29	2.842		
23,729.37	10,175.00	22,865.52	9,360.00	282.74	279.85	-21.977	1,302.42	13,498.96	881.80	570.90	310.91	2.836		
23,787.06	10,175.00	22,923.21	9,360.00	283.93	281.03	-21.977	1,302.58	13,556.65	881.80	569.68	312.12	2.825		
23,793.77	10,175.00	22,928.71	9,360.00	284.07	281.15	-21.977	1,302.60	13,562.15	881.81	569.54	312.27	2.824 SF		

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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
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
0.00	0.00	0.00	0.00	0.00	0.00	-170.686	-20.00	-3.28	20.27				
100.00	100.00	100.00	100.00	0.79	0.79	-170.686	-20.00	-3.28	20.27	18.70	1.57	12.898	
200.00	200.00	200.00	200.00	1.45	1.45	-170.686	-20.00	-3.28	20.27	17.37	2.89	7.008	
300.00	300.00	300.00	300.00	1.89	1.89	-170.686	-20.00	-3.28	20.27	16.48	3.78	5.357	
400.00	400.00	400.00	400.00	2.25	2.25	-170.686	-20.00	-3.28	20.27	15.76	4.51	4.496	
500.00	500.00	500.00	500.00	2.57	2.57	-170.686	-20.00	-3.28	20.27	15.13	5.14	3.947	
600.00	600.00	600.00	600.00	2.85	2.85	-170.686	-20.00	-3.28	20.27	14.57	5.70	3.556	
700.00	700.00	700.00	700.00	3.11	3.11	-170.686	-20.00	-3.28	20.27	14.05	6.22	3.260	
800.00	800.00	800.00	800.00	3.35	3.35	-170.686	-20.00	-3.28	20.27	13.57	6.70	3.026	
900.00	900.00	900.00	900.00	3.58	3.58	-170.686	-20.00	-3.28	20.27	13.12	7.15	2.834	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-170.686	-20.00	-3.28	20.27	12.69	7.58	2.674	
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-170.686	-20.00	-3.28	20.27	12.28	7.99	2.537	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-170.686	-20.00	-3.28	20.27	11.89	8.38	2.418	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-170.686	-20.00	-3.28	20.27	11.51	8.76	2.314	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-170.686	-20.00	-3.28	20.27	11.14	9.13	2.221	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-170.686	-20.00	-3.28	20.27	10.79	9.48	2.138	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-170.686	-20.00	-3.28	20.27	10.44	9.82	2.063	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-170.686	-20.00	-3.28	20.27	10.11	10.16	1.995 Level 3	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-170.686	-20.00	-3.28	20.27	9.78	10.49	1.933 Level 3	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-170.686	-20.00	-3.28	20.27	9.46	10.80	1.876 Level 3	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-170.686	-20.00	-3.28	20.27	9.15	11.12	1.823 Level 3	
2,100.00	2,099.98	2,100.69	2,100.67	5.80	5.80	-159.015	-18.23	-3.38	20.17	8.59	11.58	1.742 Level 3	
2,200.00	2,199.84	2,201.38	2,201.22	6.05	6.05	-161.343	-12.94	-3.67	19.92	7.86	12.06	1.652 Level 3	
2,300.00	2,299.45	2,302.06	2,301.50	6.31	6.32	-165.342	-4.11	-4.16	19.56	7.00	12.56	1.557 Level 3	
2,400.00	2,398.70	2,402.72	2,401.40	6.59	6.60	-171.135	8.22	-4.85	19.23	6.13	13.10	1.468 Level 3	
2,500.00	2,497.47	2,503.36	2,500.77	6.89	6.90	-178.754	24.04	-5.73	19.11	5.45	13.66	1.399 Level 3, CC	
2,503.93	2,501.33	2,507.31	2,504.66	6.90	6.91	-179.089	24.73	-5.76	19.11	5.43	13.68	1.397 Level 3, ES, SF	
2,600.00	2,595.63	2,603.59	2,599.25	7.17	7.10	-172.558	42.67	-6.76	19.97	5.89	14.07	1.419 Level 3	
2,700.00	2,693.50	2,703.52	2,697.38	7.52	7.37	-165.437	61.55	-7.81	22.38	7.78	14.60	1.533 Level 3	
2,800.00	2,791.37	2,803.46	2,795.51	7.80	7.66	-159.772	80.42	-8.86	25.08	10.04	15.04	1.668 Level 3	
2,900.00	2,889.25	2,903.39	2,893.64	8.10	7.96	-155.240	99.30	-9.91	27.97	12.49	15.47	1.807 Level 3	
3,000.00	2,987.12	3,003.33	2,991.77	8.42	8.28	-151.575	118.18	-10.95	31.00	15.08	15.91	1.948 Level 3	
3,100.00	3,085.00	3,103.27	3,089.91	8.76	8.62	-148.572	137.05	-12.00	34.13	17.78	16.36	2.087	
3,200.00	3,182.87	3,203.20	3,188.04	9.10	8.96	-146.080	155.93	-13.05	37.35	20.54	16.80	2.223	
3,300.00	3,280.75	3,303.14	3,286.17	9.46	9.32	-143.986	174.80	-14.10	40.62	23.36	17.25	2.354	
3,400.00	3,378.62	3,403.08	3,384.30	9.82	9.68	-142.206	193.68	-15.15	43.94	26.23	17.71	2.481	
3,500.00	3,476.49	3,503.01	3,482.43	10.20	10.06	-140.678	212.56	-16.20	47.29	29.12	18.17	2.602	
3,600.00	3,574.37	3,602.95	3,580.56	10.58	10.44	-139.353	231.43	-17.24	50.68	32.04	18.64	2.719	
3,700.00	3,672.24	3,702.89	3,678.70	10.97	10.82	-138.194	250.31	-18.29	54.08	34.97	19.11	2.830	
3,800.00	3,770.12	3,802.82	3,776.83	11.37	11.22	-137.173	269.19	-19.34	57.51	37.93	19.58	2.937	
3,900.00	3,867.99	3,902.76	3,874.96	11.77	11.61	-136.266	288.06	-20.39	60.96	40.89	20.06	3.038	
4,000.00	3,965.87	4,002.69	3,973.09	12.18	12.02	-135.458	306.94	-21.44	64.41	43.87	20.54	3.135	
4,100.00	4,063.74	4,102.63	4,071.22	12.59	12.42	-134.731	325.82	-22.49	67.88	46.85	21.03	3.228	
4,200.00	4,161.61	4,202.57	4,169.36	13.00	12.84	-134.075	344.69	-23.53	71.36	49.84	21.52	3.316	
4,300.00	4,259.49	4,302.50	4,267.49	13.42	13.25	-133.481	363.57	-24.58	74.85	52.84	22.01	3.401	
4,400.00	4,357.36	4,402.44	4,365.62	13.85	13.67	-132.939	382.44	-25.63	78.34	55.84	22.50	3.482	
4,500.00	4,455.24	4,502.38	4,463.75	14.27	14.09	-132.444	401.32	-26.68	81.84	58.85	23.00	3.559	
4,600.00	4,553.11	4,602.31	4,561.88	14.70	14.51	-131.989	420.20	-27.73	85.35	61.85	23.49	3.633	
4,700.00	4,650.99	4,702.25	4,660.01	15.14	14.94	-131.570	439.07	-28.78	88.86	64.87	23.99	3.703	
4,800.00	4,748.86	4,802.18	4,758.15	15.57	15.37	-131.183	457.95	-29.82	92.38	67.88	24.50	3.771	
4,900.00	4,846.73	4,902.12	4,856.28	16.01	15.80	-130.825	476.83	-30.87	95.90	70.89	25.00	3.836	
5,000.00	4,944.61	5,002.06	4,954.41	16.45	16.23	-130.491	495.70	-31.92	99.42	73.91	25.51	3.898	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)		
5,100.00	5,042.48	5,101.99	5,052.54	16.89	16.67	130.181	514.58	-32.97	102.94	76.93	26.01	3.957	
5,200.00	5,140.36	5,201.93	5,150.67	17.33	17.10	129.891	533.45	-34.02	106.47	79.95	26.52	4.014	
5,300.00	5,238.23	5,301.87	5,248.81	17.78	17.54	129.620	552.33	-35.07	110.00	82.97	27.03	4.069	
5,400.00	5,336.11	5,401.80	5,346.94	18.22	17.98	129.366	571.21	-36.11	113.54	85.99	27.54	4.122	
5,500.00	5,433.98	5,501.74	5,445.07	18.67	18.42	129.127	590.08	-37.16	117.07	89.02	28.06	4.173	
5,600.00	5,531.85	5,601.68	5,543.20	19.12	18.86	128.902	608.96	-38.21	120.61	92.04	28.57	4.221	
5,700.00	5,629.73	5,701.61	5,641.33	19.57	19.31	128.690	627.84	-39.26	124.15	95.07	29.09	4.268	
5,800.00	5,727.60	5,801.55	5,739.46	20.02	19.75	128.489	646.71	-40.31	127.69	98.09	29.60	4.314	
5,900.00	5,825.48	5,901.48	5,837.60	20.47	20.19	128.300	665.59	-41.36	131.24	101.12	30.12	4.357	
6,000.00	5,923.35	6,001.42	5,935.73	20.92	20.64	128.120	684.46	-42.41	134.78	104.14	30.64	4.399	
6,100.00	6,021.23	6,101.36	6,033.86	21.38	21.09	127.950	703.34	-43.45	138.33	107.17	31.16	4.440	
6,200.00	6,119.10	6,201.29	6,131.99	21.83	21.53	127.788	722.22	-44.50	141.87	110.19	31.68	4.479	
6,300.00	6,216.97	6,301.23	6,230.12	22.29	21.98	127.634	741.09	-45.55	145.42	113.22	32.20	4.516	
6,400.00	6,314.85	6,401.17	6,328.26	22.75	22.43	127.487	759.97	-46.60	148.97	116.25	32.72	4.553	
6,500.00	6,412.72	6,501.10	6,426.39	23.20	22.88	127.348	778.85	-47.65	152.52	119.27	33.24	4.588	
6,600.00	6,510.60	6,601.04	6,524.52	23.66	23.33	127.214	797.72	-48.70	156.07	122.30	33.77	4.622	
6,700.00	6,608.55	6,700.98	6,622.66	24.10	23.78	126.999	816.60	-49.74	159.39	125.16	34.22	4.657	
6,800.00	6,707.06	6,800.92	6,720.79	24.57	24.23	126.940	835.48	-50.79	160.93	126.56	34.37	4.682	
6,900.00	6,806.10	6,900.74	6,818.81	25.01	24.69	123.853	854.33	-51.84	160.56	126.47	34.09	4.710	
7,000.00	6,905.57	7,000.33	6,916.60	25.42	25.14	120.672	873.14	-52.88	158.59	125.24	33.36	4.755	
7,100.00	7,005.33	7,098.65	7,013.25	25.80	25.57	116.523	891.17	-53.89	155.71	123.50	32.21	4.835	
7,200.00	7,105.27	7,196.53	7,109.97	26.12	26.01	112.188	906.13	-54.72	153.05	121.99	31.06	4.927	
7,300.00	7,205.27	7,294.88	7,207.61	26.19	26.43	95.514	917.83	-55.37	150.92	120.89	30.03	5.026	
7,400.00	7,305.27	7,393.88	7,306.25	26.23	26.82	92.338	926.21	-55.83	149.87	120.37	29.49	5.081	
7,500.00	7,405.27	7,493.34	7,405.58	26.28	27.17	90.428	931.21	-56.11	149.46	120.14	29.32	5.097	
7,600.00	7,505.27	7,593.05	7,505.27	26.32	27.34	89.832	932.76	-56.20	149.37	119.99	29.39	5.083	
7,700.00	7,605.27	7,693.05	7,605.27	26.37	27.39	89.832	932.76	-56.20	149.37	119.82	29.56	5.054	
7,800.00	7,705.27	7,793.05	7,705.27	26.42	27.44	89.832	932.76	-56.20	149.37	119.66	29.71	5.028	
7,900.00	7,805.27	7,893.05	7,805.27	26.46	27.48	89.832	932.76	-56.20	149.37	119.51	29.86	5.002	
7,906.11	7,811.38	7,899.16	7,811.38	26.47	27.49	89.832	932.76	-56.20	149.37	119.50	29.87	5.000	
8,000.00	7,905.27	7,980.48	7,892.65	26.51	27.49	89.832	932.77	-54.21	151.88	122.04	29.84	5.090	
8,100.00	8,005.27	8,057.89	7,969.12	26.56	27.50	89.832	932.80	-42.60	166.93	137.17	29.76	5.610	
8,200.00	8,105.27	8,130.94	8,039.24	26.60	27.50	89.832	932.86	-22.28	194.82	165.11	29.71	6.557	
8,300.00	8,205.27	8,200.00	8,102.64	26.65	27.52	89.832	932.94	4.98	234.23	204.47	29.76	7.872	
8,400.00	8,305.27	8,250.00	8,146.27	26.70	27.54	89.832	933.01	29.38	283.69	253.91	29.78	9.525	
8,500.00	8,405.27	8,310.79	8,196.19	26.74	27.59	89.832	933.12	64.02	341.16	311.14	30.03	11.362	
8,600.00	8,505.27	8,350.00	8,226.33	26.79	27.62	89.832	933.19	89.09	405.75	375.51	30.25	13.415	
8,700.00	8,605.27	8,400.00	8,262.15	26.84	27.68	89.832	933.29	123.95	475.73	445.14	30.58	15.555	
8,800.00	8,705.27	8,432.62	8,283.82	26.89	27.74	89.832	933.36	148.32	550.32	519.42	30.90	17.810	
8,900.00	8,805.27	8,463.30	8,302.91	26.94	27.79	89.832	933.43	172.33	628.63	597.38	31.25	20.118	
9,000.00	8,905.27	8,500.00	8,324.02	26.98	27.87	89.832	933.52	202.35	710.10	678.47	31.63	22.450	
9,100.00	9,005.27	8,500.00	8,324.02	27.03	27.87	89.832	933.52	202.35	794.04	762.10	31.93	24.865	
9,200.00	9,105.27	8,534.62	8,342.13	27.08	27.96	89.832	933.61	231.84	879.61	847.27	32.34	27.202	
9,300.00	9,205.27	8,550.00	8,349.60	27.13	28.01	89.832	933.65	245.29	967.18	934.49	32.70	29.581	
9,400.00	9,305.27	8,569.62	8,358.60	27.18	28.07	89.832	933.70	262.72	1,056.16	1,023.09	33.07	31.936	
9,500.00	9,405.27	8,600.00	8,371.34	27.23	28.17	89.832	933.78	290.30	1,146.69	1,113.21	33.48	34.251	
9,600.00	9,505.27	8,600.00	8,371.34	27.28	28.17	89.832	933.78	290.30	1,237.61	1,203.80	33.81	36.609	
9,700.00	9,605.27	8,600.00	8,371.34	27.33	28.17	0.000	933.78	290.30	1,329.83	1,295.70	34.13	38.965	
9,800.00	9,704.71	8,623.04	8,380.02	27.30	28.26	0.000	933.84	311.63	1,418.73	1,384.17	34.56	41.052	
9,900.00	9,801.04	8,650.00	8,389.08	27.25	28.37	0.000	933.91	337.03	1,500.20	1,465.17	35.03	42.826	
10,000.00	9,891.31	8,650.00	8,389.08	27.22	28.37	0.000	933.91	337.03	1,572.32	1,536.88	35.44	44.364	
10,100.00	9,972.80	8,678.79	8,397.42	27.22	28.51	0.000	933.99	364.58	1,634.07	1,598.10	35.97	45.429	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.00	10,043.02	8,700.00	8,402.67	27.30	28.61	0.000	934.05	385.13	1,684.59	1,648.10	36.49	46.166	
10,300.00	10,099.85	8,724.10	8,407.72	27.48	28.73	0.000	934.12	408.69	1,723.05	1,686.02	37.04	46.525	
10,400.00	10,141.54	8,750.00	8,412.02	27.80	28.87	0.000	934.20	434.23	1,748.92	1,711.32	37.60	46.519	
10,500.00	10,166.85	8,772.42	8,414.82	28.27	29.01	0.000	934.26	456.47	1,761.81	1,723.66	38.15	46.185	
10,600.00	10,175.00	8,800.00	8,417.06	28.90	29.17	0.000	934.34	483.96	1,761.59	1,722.89	38.70	45.514	
10,628.67	10,175.00	8,800.00	8,417.06	29.11	29.17	0.000	934.34	483.96	1,759.98	1,721.17	38.81	45.350	
10,700.00	10,175.00	8,832.82	8,418.00	29.65	29.39	0.000	934.44	516.76	1,757.61	1,718.42	39.19	44.854	
10,729.38	10,175.00	8,832.82	8,418.00	29.91	29.39	0.000	934.44	516.76	1,757.08	1,717.78	39.30	44.712	
10,777.70	10,175.00	8,864.37	8,418.00	30.34	29.61	0.000	934.53	548.31	1,757.00	1,717.41	39.59	44.377	
10,800.00	10,175.00	8,886.67	8,418.00	30.53	29.77	0.000	934.60	570.61	1,757.00	1,717.24	39.76	44.196	
10,878.87	10,175.00	8,965.54	8,418.00	31.31	30.41	0.000	934.83	649.48	1,757.00	1,716.63	40.37	43.525	
10,900.00	10,175.00	8,986.67	8,418.00	31.52	30.58	0.000	934.89	670.61	1,757.00	1,716.47	40.53	43.348	
10,978.87	10,175.00	9,065.54	8,418.00	32.38	31.31	0.000	935.12	749.48	1,757.00	1,715.82	41.18	42.665	
11,000.00	10,175.00	9,086.67	8,418.00	32.61	31.51	0.000	935.18	770.61	1,757.00	1,715.64	41.36	42.485	
11,078.87	10,175.00	9,165.54	8,418.00	33.54	32.32	0.000	935.41	849.48	1,757.00	1,714.96	42.04	41.796	
11,100.00	10,175.00	9,186.67	8,418.00	33.79	32.54	0.000	935.48	870.61	1,757.00	1,714.78	42.22	41.614	
11,178.87	10,175.00	9,265.54	8,418.00	34.79	33.42	0.000	935.71	949.48	1,757.00	1,714.06	42.94	40.922	
11,200.00	10,175.00	9,286.67	8,418.00	35.06	33.66	0.000	935.77	970.61	1,757.00	1,713.87	43.13	40.740	
11,278.87	10,175.00	9,365.54	8,418.00	36.12	34.62	0.000	936.00	1,049.48	1,757.00	1,713.13	43.87	40.050	
11,300.00	10,175.00	9,386.67	8,418.00	36.40	34.88	0.000	936.06	1,070.61	1,757.00	1,712.93	44.07	39.868	
11,378.87	10,175.00	9,465.54	8,418.00	37.51	35.90	0.000	936.29	1,149.48	1,757.00	1,712.16	44.84	39.183	
11,400.00	10,175.00	9,486.67	8,418.00	37.80	36.17	0.000	936.35	1,170.61	1,757.00	1,711.95	45.05	39.003	
11,478.87	10,175.00	9,565.54	8,418.00	38.96	37.25	0.000	936.58	1,249.48	1,757.00	1,711.15	45.85	38.325	
11,500.00	10,175.00	9,586.67	8,418.00	39.27	37.54	0.000	936.65	1,270.61	1,757.00	1,710.94	46.06	38.147	
11,578.87	10,175.00	9,665.54	8,418.00	40.46	38.66	0.000	936.88	1,349.48	1,757.00	1,710.12	46.88	37.479	
11,600.00	10,175.00	9,686.67	8,418.00	40.78	38.96	0.000	936.94	1,370.61	1,757.00	1,709.90	47.10	37.303	
11,678.87	10,175.00	9,765.54	8,418.00	42.02	40.13	0.000	937.17	1,449.48	1,757.00	1,709.06	47.94	36.647	
11,700.00	10,175.00	9,786.67	8,418.00	42.35	40.44	0.000	937.23	1,470.61	1,757.00	1,708.83	48.17	36.475	
11,778.87	10,175.00	9,865.54	8,418.00	43.61	41.65	0.000	937.46	1,549.48	1,757.00	1,707.96	49.04	35.831	
11,800.00	10,175.00	9,886.67	8,418.00	43.95	41.98	0.000	937.52	1,570.61	1,757.00	1,707.73	49.27	35.663	
11,878.87	10,175.00	9,965.54	8,418.00	45.25	43.22	0.000	937.75	1,649.48	1,757.00	1,706.85	50.15	35.034	
11,900.00	10,175.00	9,986.67	8,418.00	45.59	43.55	0.000	937.82	1,670.61	1,757.00	1,706.61	50.39	34.869	
11,978.87	10,175.00	10,065.54	8,418.00	46.92	44.83	0.000	938.05	1,749.48	1,757.00	1,705.71	51.29	34.255	
12,000.00	10,175.00	10,086.67	8,418.00	47.27	45.17	0.000	938.11	1,770.61	1,757.00	1,705.47	51.53	34.094	
12,078.87	10,175.00	10,165.54	8,418.00	48.62	46.47	0.000	938.34	1,849.48	1,757.00	1,704.55	52.45	33.496	
12,100.00	10,175.00	10,186.67	8,418.00	48.98	46.82	0.000	938.40	1,870.61	1,757.00	1,704.30	52.70	33.339	
12,178.87	10,175.00	10,265.54	8,418.00	50.34	48.15	0.000	938.63	1,949.48	1,757.00	1,703.36	53.64	32.758	
12,200.00	10,175.00	10,286.67	8,418.00	50.71	48.51	0.000	938.69	1,970.61	1,757.00	1,703.11	53.89	32.605	
12,278.87	10,175.00	10,365.54	8,418.00	52.10	49.86	0.000	938.92	2,049.48	1,757.00	1,702.16	54.84	32.040	
12,300.00	10,175.00	10,386.67	8,418.00	52.47	50.22	0.000	938.99	2,070.61	1,757.00	1,701.91	55.09	31.891	
12,378.87	10,175.00	10,465.54	8,418.00	53.87	51.59	0.000	939.22	2,149.48	1,757.00	1,700.94	56.06	31.342	
12,400.00	10,175.00	10,486.67	8,418.00	54.25	51.96	0.000	939.28	2,170.61	1,757.00	1,700.68	56.32	31.198	
12,478.87	10,175.00	10,565.54	8,418.00	55.67	53.35	0.000	939.51	2,249.48	1,757.00	1,699.70	57.30	30.666	
12,500.00	10,175.00	10,586.67	8,418.00	56.05	53.72	0.000	939.57	2,270.61	1,757.00	1,699.44	57.56	30.526	
12,578.87	10,175.00	10,665.54	8,418.00	57.48	55.13	0.000	939.80	2,349.47	1,757.00	1,698.45	58.55	30.009	
12,600.00	10,175.00	10,686.67	8,418.00	57.86	55.51	0.000	939.86	2,370.61	1,757.00	1,698.19	58.81	29.874	
12,678.87	10,175.00	10,765.54	8,418.00	59.31	56.93	0.000	940.09	2,449.47	1,757.00	1,697.18	59.82	29.373	
12,700.00	10,175.00	10,786.67	8,418.00	59.70	57.31	0.000	940.16	2,470.61	1,757.00	1,696.92	60.08	29.242	
12,778.87	10,175.00	10,865.54	8,418.00	61.16	58.75	0.000	940.39	2,549.47	1,757.00	1,695.90	61.10	28.757	
12,800.00	10,175.00	10,886.67	8,418.00	61.55	59.13	0.000	940.45	2,570.61	1,757.00	1,695.63	61.37	28.630	
12,878.87	10,175.00	10,965.54	8,418.00	63.02	60.58	0.000	940.68	2,649.47	1,757.00	1,694.61	62.39	28.161	
12,900.00	10,175.00	10,986.67	8,418.00	63.41	60.97	0.000	940.74	2,670.61	1,757.00	1,694.33	62.67	28.037	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,978.87	10,175.00	11,065.54	8,418.00	64.89	62.43	0.000	940.97	2,749.47	1,757.00	1,693.30	63.70	27.583			
13,000.00	10,175.00	11,086.67	8,418.00	65.29	62.82	0.000	941.03	2,770.61	1,757.00	1,693.02	63.98	27.464			
13,078.87	10,175.00	11,165.54	8,418.00	66.77	64.29	0.000	941.26	2,849.47	1,757.00	1,691.98	65.02	27.024			
13,100.00	10,175.00	11,186.67	8,418.00	67.17	64.69	0.000	941.33	2,870.61	1,757.00	1,691.70	65.30	26.908			
13,178.87	10,175.00	11,265.54	8,418.00	68.67	66.16	0.000	941.56	2,949.47	1,757.00	1,690.65	66.35	26.482			
13,200.00	10,175.00	11,286.67	8,418.00	69.07	66.56	0.000	941.62	2,970.60	1,757.00	1,690.37	66.63	26.370			
13,278.87	10,175.00	11,365.54	8,418.00	70.57	68.05	0.000	941.85	3,049.47	1,757.00	1,689.31	67.69	25.958			
13,300.00	10,175.00	11,386.67	8,418.00	70.98	68.45	0.000	941.91	3,070.60	1,757.00	1,689.03	67.97	25.850			
13,378.87	10,175.00	11,465.54	8,418.00	72.49	69.95	0.000	942.14	3,149.47	1,757.00	1,687.97	69.03	25.451			
13,400.00	10,175.00	11,486.67	8,418.00	72.89	70.35	0.000	942.20	3,170.60	1,757.00	1,687.68	69.32	25.346			
13,478.87	10,175.00	11,565.54	8,418.00	74.41	71.85	0.000	942.43	3,249.47	1,757.00	1,686.61	70.39	24.960			
13,500.00	10,175.00	11,586.67	8,418.00	74.82	72.26	0.000	942.50	3,270.60	1,757.00	1,686.32	70.68	24.858			
13,578.87	10,175.00	11,665.54	8,418.00	76.34	73.77	0.000	942.73	3,349.47	1,757.00	1,685.24	71.76	24.485			
13,600.00	10,175.00	11,686.67	8,418.00	76.75	74.17	0.000	942.79	3,370.60	1,757.00	1,684.95	72.05	24.386			
13,678.87	10,175.00	11,765.54	8,418.00	78.28	75.69	0.000	943.02	3,449.47	1,757.00	1,683.87	73.13	24.024			
13,700.00	10,175.00	11,786.67	8,418.00	78.69	76.10	0.000	943.08	3,470.60	1,757.00	1,683.57	73.43	23.929			
13,778.87	10,175.00	11,865.54	8,418.00	80.22	77.62	0.000	943.31	3,549.47	1,757.00	1,682.48	74.52	23.579			
13,800.00	10,175.00	11,886.67	8,418.00	80.63	78.03	0.000	943.37	3,570.60	1,757.00	1,682.19	74.81	23.486			
13,878.87	10,175.00	11,965.54	8,418.00	82.17	79.56	0.000	943.60	3,649.47	1,757.00	1,681.09	75.91	23.147			
13,900.00	10,175.00	11,986.67	8,418.00	82.58	79.97	0.000	943.67	3,670.60	1,757.00	1,680.80	76.20	23.058			
13,978.87	10,175.00	12,065.54	8,418.00	84.13	81.50	0.000	943.90	3,749.47	1,757.00	1,679.70	77.30	22.729			
14,000.00	10,175.00	12,086.67	8,418.00	84.54	81.91	0.000	943.96	3,770.60	1,757.00	1,679.40	77.60	22.642			
14,078.87	10,175.00	12,165.54	8,418.00	86.09	83.45	0.000	944.19	3,849.47	1,757.00	1,678.29	78.71	22.324			
14,100.00	10,175.00	12,186.67	8,418.00	86.50	83.86	0.000	944.25	3,870.60	1,757.00	1,678.00	79.00	22.240			
14,178.87	10,175.00	12,265.54	8,418.00	88.05	85.41	0.000	944.48	3,949.47	1,757.00	1,676.89	80.11	21.931			
14,200.00	10,175.00	12,286.67	8,418.00	88.47	85.82	0.000	944.54	3,970.60	1,757.00	1,676.59	80.41	21.850			
14,278.87	10,175.00	12,365.54	8,418.00	90.02	87.37	0.000	944.77	4,049.47	1,757.00	1,675.47	81.53	21.551			
14,300.00	10,175.00	12,386.67	8,418.00	90.44	87.78	0.000	944.84	4,070.60	1,757.00	1,675.17	81.83	21.472			
14,378.87	10,175.00	12,465.54	8,418.00	92.00	89.33	0.000	945.07	4,149.47	1,757.00	1,674.05	82.95	21.182			
14,400.00	10,175.00	12,486.67	8,418.00	92.42	89.75	0.000	945.13	4,170.60	1,757.00	1,673.75	83.25	21.105			
14,478.87	10,175.00	12,565.54	8,418.00	93.98	91.30	0.000	945.36	4,249.47	1,757.00	1,672.63	84.37	20.824			
14,500.00	10,175.00	12,586.67	8,418.00	94.40	91.72	0.000	945.42	4,270.60	1,757.00	1,672.32	84.68	20.750			
14,578.87	10,175.00	12,665.54	8,418.00	95.96	93.28	0.000	945.65	4,349.47	1,757.00	1,671.19	85.81	20.477			
14,600.00	10,175.00	12,686.67	8,418.00	96.38	93.70	0.000	945.71	4,370.60	1,757.00	1,670.89	86.11	20.405			
14,678.87	10,175.00	12,765.54	8,418.00	97.95	95.26	0.000	945.94	4,449.47	1,757.00	1,669.76	87.24	20.140			
14,700.00	10,175.00	12,786.67	8,418.00	98.37	95.67	0.000	946.01	4,470.60	1,757.00	1,669.46	87.54	20.070			
14,778.87	10,175.00	12,865.54	8,418.00	99.94	97.24	0.000	946.24	4,549.47	1,757.00	1,668.32	88.68	19.813			
14,800.00	10,175.00	12,886.67	8,418.00	100.36	97.66	0.000	946.30	4,570.60	1,757.00	1,668.01	88.99	19.745			
14,878.87	10,175.00	12,965.54	8,418.00	101.93	99.22	0.000	946.53	4,649.47	1,757.00	1,666.88	90.12	19.495			
14,900.00	10,175.00	12,986.67	8,418.00	102.35	99.64	0.000	946.59	4,670.60	1,757.00	1,666.57	90.43	19.429			
14,978.87	10,175.00	13,065.54	8,418.00	103.93	101.21	0.000	946.82	4,749.46	1,757.00	1,665.43	91.57	19.187			
15,000.00	10,175.00	13,086.67	8,418.00	104.35	101.63	0.000	946.88	4,770.60	1,757.00	1,665.12	91.88	19.123			
15,078.87	10,175.00	13,165.54	8,418.00	105.93	103.21	0.000	947.12	4,849.46	1,757.00	1,663.97	93.03	18.887			
15,100.00	10,175.00	13,186.67	8,418.00	106.35	103.63	0.000	947.18	4,870.60	1,757.00	1,663.67	93.33	18.825			
15,178.87	10,175.00	13,265.54	8,418.00	107.93	105.20	0.000	947.41	4,949.46	1,757.00	1,662.52	94.48	18.596			
15,200.00	10,175.00	13,286.67	8,418.00	108.35	105.62	0.000	947.47	4,970.60	1,757.00	1,662.21	94.79	18.536			
15,278.87	10,175.00	13,365.54	8,418.00	109.93	107.20	0.000	947.70	5,049.46	1,757.00	1,661.06	95.94	18.313			
15,300.00	10,175.00	13,386.67	8,418.00	110.36	107.62	0.000	947.76	5,070.60	1,757.00	1,660.75	96.25	18.255			
15,378.87	10,175.00	13,465.54	8,418.00	111.94	109.20	0.000	947.99	5,149.46	1,757.00	1,659.60	97.40	18.038			
15,400.00	10,175.00	13,486.67	8,418.00	112.36	109.62	0.000	948.05	5,170.60	1,757.00	1,659.29	97.71	17.981			
15,478.87	10,175.00	13,565.54	8,418.00	113.95	111.20	0.000	948.29	5,249.46	1,757.00	1,658.13	98.87	17.771			
15,500.00	10,175.00	13,586.67	8,418.00	114.37	111.63	0.000	948.35	5,270.59	1,757.00	1,657.82	99.18	17.715			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)			
15,578.87	10,175.00	13,665.54	8,418.00	115.96	113.21	0.000	948.58	5,349.46	1,757.00	1,656.66	100.34	17.511	
15,600.00	10,175.00	13,686.67	8,418.00	116.38	113.64	0.000	948.64	5,370.59	1,757.00	1,656.35	100.65	17.457	
15,678.87	10,175.00	13,765.54	8,418.00	117.97	115.22	0.000	948.87	5,449.46	1,757.00	1,655.19	101.81	17.258	
15,700.00	10,175.00	13,786.67	8,418.00	118.40	115.64	0.000	948.93	5,470.59	1,757.00	1,654.88	102.12	17.205	
15,778.87	10,175.00	13,865.54	8,418.00	119.99	117.23	0.000	949.16	5,549.46	1,757.00	1,653.71	103.29	17.011	
15,800.00	10,175.00	13,886.67	8,418.00	120.41	117.65	0.000	949.22	5,570.59	1,757.00	1,653.40	103.60	16.960	
15,878.87	10,175.00	13,965.54	8,418.00	122.00	119.24	0.000	949.46	5,649.46	1,757.00	1,652.24	104.76	16.771	
15,900.00	10,175.00	13,986.67	8,418.00	122.43	119.67	0.000	949.52	5,670.59	1,757.00	1,651.92	105.08	16.721	
15,978.87	10,175.00	14,065.54	8,418.00	124.02	121.26	0.000	949.75	5,749.46	1,757.00	1,650.76	106.24	16.537	
16,000.00	10,175.00	14,086.67	8,418.00	124.45	121.68	0.000	949.81	5,770.59	1,757.00	1,650.44	106.56	16.489	
16,078.87	10,175.00	14,165.54	8,418.00	126.04	123.27	0.000	950.04	5,849.46	1,757.00	1,649.27	107.73	16.310	
16,100.00	10,175.00	14,186.67	8,418.00	126.47	123.70	0.000	950.10	5,870.59	1,757.00	1,648.96	108.04	16.263	
16,178.87	10,175.00	14,265.54	8,418.00	128.07	125.29	0.000	950.33	5,949.46	1,757.00	1,647.79	109.21	16.088	
16,200.00	10,175.00	14,286.67	8,418.00	128.49	125.72	0.000	950.39	5,970.59	1,757.00	1,647.47	109.53	16.042	
16,278.87	10,175.00	14,365.54	8,418.00	130.09	127.31	0.000	950.63	6,049.46	1,757.00	1,646.30	110.70	15.872	
16,300.00	10,175.00	14,386.67	8,418.00	130.52	127.74	0.000	950.69	6,070.59	1,757.00	1,645.99	111.01	15.827	
16,378.87	10,175.00	14,465.54	8,418.00	132.11	129.33	0.000	950.92	6,149.46	1,757.00	1,644.81	112.19	15.661	
16,400.00	10,175.00	14,486.67	8,418.00	132.54	129.76	0.000	950.98	6,170.59	1,757.00	1,644.50	112.50	15.617	
16,478.87	10,175.00	14,565.54	8,418.00	134.14	131.35	0.000	951.21	6,249.46	1,757.00	1,643.32	113.68	15.456	
16,500.00	10,175.00	14,586.67	8,418.00	134.57	131.78	0.000	951.27	6,270.59	1,757.00	1,643.00	114.00	15.413	
16,578.87	10,175.00	14,665.54	8,418.00	136.17	133.38	0.000	951.50	6,349.46	1,757.00	1,641.83	115.17	15.255	
16,600.00	10,175.00	14,686.67	8,418.00	136.60	133.81	0.000	951.57	6,370.59	1,757.00	1,641.51	115.49	15.213	
16,678.87	10,175.00	14,765.54	8,418.00	138.20	135.40	0.000	951.80	6,449.46	1,757.00	1,640.33	116.67	15.059	
16,700.00	10,175.00	14,786.67	8,418.00	138.62	135.83	0.000	951.86	6,470.59	1,757.00	1,640.01	116.99	15.019	
16,778.87	10,175.00	14,865.54	8,418.00	140.23	137.43	0.000	952.09	6,549.46	1,757.00	1,638.83	118.17	14.869	
16,800.00	10,175.00	14,886.67	8,418.00	140.66	137.86	0.000	952.15	6,570.59	1,757.00	1,638.51	118.49	14.829	
16,878.87	10,175.00	14,965.54	8,418.00	142.26	139.46	0.000	952.38	6,649.46	1,757.00	1,637.33	119.67	14.682	
16,900.00	10,175.00	14,986.67	8,418.00	142.69	139.89	0.000	952.44	6,670.59	1,757.00	1,637.01	119.99	14.643	
16,978.87	10,175.00	15,065.54	8,418.00	144.29	141.49	0.000	952.67	6,749.46	1,757.00	1,635.83	121.17	14.500	
17,000.00	10,175.00	15,086.67	8,418.00	144.72	141.92	0.000	952.74	6,770.59	1,757.00	1,635.51	121.49	14.462	
17,078.87	10,175.00	15,165.54	8,418.00	146.32	143.52	0.000	952.97	6,849.46	1,757.00	1,634.33	122.67	14.323	
17,100.00	10,175.00	15,186.67	8,418.00	146.75	143.95	0.000	953.03	6,870.59	1,757.00	1,634.01	122.99	14.286	
17,178.87	10,175.00	15,265.54	8,418.00	148.36	145.55	0.000	953.26	6,949.46	1,757.00	1,632.82	124.18	14.149	
17,200.00	10,175.00	15,286.67	8,418.00	148.79	145.98	0.000	953.32	6,970.59	1,757.00	1,632.50	124.50	14.113	
17,278.87	10,175.00	15,365.54	8,418.00	150.39	147.58	0.000	953.55	7,049.45	1,757.00	1,631.32	125.68	13.980	
17,300.00	10,175.00	15,386.67	8,418.00	150.82	148.01	0.000	953.61	7,070.59	1,757.00	1,631.00	126.00	13.944	
17,378.87	10,175.00	15,465.54	8,418.00	152.43	149.62	0.000	953.84	7,149.45	1,757.00	1,629.81	127.19	13.814	
17,400.00	10,175.00	15,486.67	8,418.00	152.86	150.05	0.000	953.91	7,170.59	1,757.00	1,629.49	127.51	13.779	
17,478.87	10,175.00	15,565.54	8,418.00	154.47	151.65	0.000	954.14	7,249.45	1,757.00	1,628.30	128.70	13.652	
17,500.00	10,175.00	15,586.67	8,418.00	154.90	152.08	0.000	954.20	7,270.59	1,757.00	1,627.98	129.02	13.618	
17,578.87	10,175.00	15,665.54	8,418.00	156.50	153.69	0.000	954.43	7,349.45	1,757.00	1,626.79	130.21	13.493	
17,600.00	10,175.00	15,686.67	8,418.00	156.93	154.12	0.000	954.49	7,370.59	1,757.00	1,626.47	130.53	13.460	
17,678.87	10,175.00	15,765.54	8,418.00	158.54	155.72	0.000	954.72	7,449.45	1,757.00	1,625.28	131.72	13.339	
17,700.00	10,175.00	15,786.67	8,418.00	158.97	156.15	0.000	954.78	7,470.59	1,757.00	1,624.96	132.04	13.306	
17,778.87	10,175.00	15,865.54	8,418.00	160.58	157.76	0.000	955.01	7,549.45	1,757.00	1,623.76	133.24	13.187	
17,800.00	10,175.00	15,886.67	8,418.00	161.01	158.19	0.000	955.08	7,570.59	1,757.00	1,623.44	133.56	13.155	
17,878.87	10,175.00	15,965.54	8,418.00	162.62	159.80	0.000	955.31	7,649.45	1,757.00	1,622.25	134.75	13.039	
17,900.00	10,175.00	15,986.67	8,418.00	163.05	160.23	0.000	955.37	7,670.58	1,757.00	1,621.93	135.07	13.008	
17,978.87	10,175.00	16,065.54	8,418.00	164.66	161.84	0.000	955.60	7,749.45	1,757.00	1,620.73	136.27	12.894	
18,000.00	10,175.00	16,086.67	8,418.00	165.09	162.27	0.000	955.66	7,770.58	1,757.00	1,620.41	136.59	12.863	
18,078.87	10,175.00	16,165.54	8,418.00	166.71	163.88	0.000	955.89	7,849.45	1,757.00	1,619.21	137.79	12.752	
18,100.00	10,175.00	16,186.67	8,418.00	167.14	164.31	0.000	955.95	7,870.58	1,757.00	1,618.89	138.11	12.722	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)			
18,178.87	10,175.00	16,265.54	8,418.00	168.75	165.92	0.000	956.18	7,949.45	1,757.00	1,617.70	139.30	12.613	
18,200.00	10,175.00	16,286.67	8,418.00	169.18	166.35	0.000	956.25	7,970.58	1,757.00	1,617.38	139.62	12.584	
18,278.87	10,175.00	16,365.54	8,418.00	170.79	167.96	0.000	956.48	8,049.45	1,757.00	1,616.18	140.82	12.477	
18,300.00	10,175.00	16,386.67	8,418.00	171.22	168.39	0.000	956.54	8,070.58	1,757.00	1,615.86	141.14	12.448	
18,378.87	10,175.00	16,465.54	8,418.00	172.83	170.00	0.000	956.77	8,149.45	1,757.00	1,614.66	142.34	12.343	
18,400.00	10,175.00	16,486.67	8,418.00	173.27	170.43	0.000	956.83	8,170.58	1,757.00	1,614.34	142.66	12.316	
18,478.87	10,175.00	16,565.54	8,418.00	174.88	172.04	0.000	957.06	8,249.45	1,757.00	1,613.14	143.86	12.213	
18,500.00	10,175.00	16,586.67	8,418.00	175.31	172.48	0.000	957.12	8,270.58	1,757.00	1,612.81	144.19	12.186	
18,578.87	10,175.00	16,665.54	8,418.00	176.92	174.09	0.000	957.35	8,349.45	1,757.00	1,611.61	145.39	12.085	
18,600.00	10,175.00	16,686.67	8,418.00	177.36	174.52	0.000	957.42	8,370.58	1,757.00	1,611.29	145.71	12.058	
18,678.87	10,175.00	16,765.54	8,418.00	178.97	176.13	0.000	957.65	8,449.45	1,757.00	1,610.09	146.91	11.960	
18,700.00	10,175.00	16,786.67	8,418.00	179.40	176.56	0.000	957.71	8,470.58	1,757.00	1,609.77	147.23	11.933	
18,778.87	10,175.00	16,865.54	8,418.00	181.02	178.18	0.000	957.94	8,549.45	1,757.00	1,608.56	148.44	11.837	
18,800.00	10,175.00	16,886.67	8,418.00	181.45	178.61	0.000	958.00	8,570.58	1,757.00	1,608.24	148.76	11.811	
18,878.87	10,175.00	16,965.54	8,418.00	183.06	180.22	0.000	958.23	8,649.45	1,757.00	1,607.04	149.96	11.716	
18,900.00	10,175.00	16,986.67	8,418.00	183.50	180.65	0.000	958.29	8,670.58	1,757.00	1,606.72	150.28	11.691	
18,978.87	10,175.00	17,065.54	8,418.00	185.11	182.27	0.000	958.52	8,749.45	1,757.00	1,605.51	151.49	11.598	
19,000.00	10,175.00	17,086.67	8,418.00	185.54	182.70	0.000	958.59	8,770.58	1,757.00	1,605.19	151.81	11.574	
19,078.87	10,175.00	17,165.54	8,418.00	187.16	184.31	0.000	958.82	8,849.45	1,757.00	1,603.99	153.01	11.483	
19,100.00	10,175.00	17,186.67	8,418.00	187.59	184.74	0.000	958.88	8,870.58	1,757.00	1,603.66	153.34	11.458	
19,178.87	10,175.00	17,265.54	8,418.00	189.21	186.36	0.000	959.11	8,949.45	1,757.00	1,602.46	154.54	11.369	
19,200.00	10,175.00	17,286.67	8,418.00	189.64	186.79	0.000	959.17	8,970.58	1,757.00	1,602.13	154.87	11.345	
19,278.87	10,175.00	17,365.54	8,418.00	191.25	188.41	0.000	959.40	9,049.45	1,757.00	1,600.93	156.07	11.258	
19,300.00	10,175.00	17,386.67	8,418.00	191.69	188.84	0.000	959.46	9,070.58	1,757.00	1,600.61	156.39	11.234	
19,378.87	10,175.00	17,465.54	8,418.00	193.30	190.45	0.000	959.69	9,149.45	1,757.00	1,599.40	157.60	11.148	
19,400.00	10,175.00	17,486.67	8,418.00	193.74	190.89	0.000	959.76	9,170.58	1,757.00	1,599.08	157.92	11.126	
19,478.87	10,175.00	17,565.54	8,418.00	195.35	192.50	0.000	959.99	9,249.45	1,757.00	1,597.87	159.13	11.041	
19,500.00	10,175.00	17,586.67	8,418.00	195.79	192.93	0.000	960.05	9,270.58	1,757.00	1,597.55	159.45	11.019	
19,578.87	10,175.00	17,665.54	8,418.00	197.40	194.55	0.000	960.28	9,349.45	1,757.00	1,596.34	160.66	10.936	
19,600.00	10,175.00	17,686.67	8,418.00	197.84	194.98	0.000	960.34	9,370.58	1,757.00	1,596.01	160.99	10.914	
19,678.87	10,175.00	17,765.54	8,418.00	199.45	196.60	0.000	960.57	9,449.44	1,757.00	1,594.81	162.19	10.833	
19,700.00	10,175.00	17,786.67	8,418.00	199.89	197.03	0.000	960.63	9,470.58	1,757.00	1,594.48	162.52	10.811	
19,778.87	10,175.00	17,865.54	8,418.00	201.50	198.65	0.000	960.86	9,549.44	1,757.00	1,593.27	163.73	10.731	
19,800.00	10,175.00	17,886.67	8,418.00	201.94	199.08	0.000	960.93	9,570.58	1,757.00	1,592.95	164.05	10.710	
19,878.87	10,175.00	17,965.54	8,418.00	203.56	200.70	0.000	961.16	9,649.44	1,757.00	1,591.74	165.26	10.632	
19,900.00	10,175.00	17,986.67	8,418.00	203.99	201.13	0.000	961.22	9,670.58	1,757.00	1,591.42	165.58	10.611	
19,978.87	10,175.00	18,065.54	8,418.00	205.61	202.75	0.000	961.45	9,749.44	1,757.00	1,590.21	166.79	10.534	
20,000.00	10,175.00	18,086.67	8,418.00	206.04	203.18	0.000	961.51	9,770.58	1,757.00	1,589.88	167.12	10.513	
20,078.87	10,175.00	18,165.54	8,418.00	207.66	204.80	0.000	961.74	9,849.44	1,757.00	1,588.67	168.33	10.438	
20,100.00	10,175.00	18,186.67	8,418.00	208.09	205.23	0.000	961.80	9,870.58	1,757.00	1,588.35	168.65	10.418	
20,178.87	10,175.00	18,265.54	8,418.00	209.71	206.85	0.000	962.03	9,949.44	1,757.00	1,587.14	169.86	10.344	
20,200.00	10,175.00	18,286.67	8,418.00	210.14	207.28	0.000	962.10	9,970.57	1,757.00	1,586.81	170.19	10.324	
20,278.87	10,175.00	18,365.54	8,418.00	211.76	208.90	0.000	962.33	10,049.44	1,757.00	1,585.60	171.40	10.251	
20,300.00	10,175.00	18,386.67	8,418.00	212.20	209.34	0.000	962.39	10,070.57	1,757.00	1,585.28	171.72	10.231	
20,378.87	10,175.00	18,465.54	8,418.00	213.82	210.95	0.000	962.62	10,149.44	1,757.00	1,584.06	172.94	10.160	
20,400.00	10,175.00	18,486.67	8,418.00	214.25	211.39	0.000	962.68	10,170.57	1,757.00	1,583.74	173.26	10.141	
20,478.87	10,175.00	18,565.54	8,418.00	215.87	213.01	0.000	962.91	10,249.44	1,757.00	1,582.53	174.47	10.070	
20,500.00	10,175.00	18,586.67	8,418.00	216.30	213.44	0.000	962.97	10,270.57	1,757.00	1,582.20	174.80	10.052	
20,578.87	10,175.00	18,665.54	8,418.00	217.92	215.06	0.000	963.21	10,349.44	1,757.00	1,580.99	176.01	9.982	
20,600.00	10,175.00	18,686.67	8,418.00	218.36	215.49	0.000	963.27	10,370.57	1,757.00	1,580.66	176.34	9.964	
20,678.87	10,175.00	18,765.54	8,418.00	219.98	217.11	0.000	963.50	10,449.44	1,757.00	1,579.45	177.55	9.896	
20,700.00	10,175.00	18,786.67	8,418.00	220.41	217.55	0.000	963.56	10,470.57	1,757.00	1,579.13	177.87	9.878	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
20,778.87	10,175.00	18,865.54	8,418.00	222.03	219.17	0.000	963.79	10,549.44	1,757.00	1,577.91	179.09	9.811			
20,800.00	10,175.00	18,886.67	8,418.00	222.47	219.60	0.000	963.85	10,570.57	1,757.00	1,577.59	179.41	9.793			
20,878.87	10,175.00	18,965.54	8,418.00	224.09	221.22	0.000	964.08	10,649.44	1,757.00	1,576.37	180.63	9.727			
20,900.00	10,175.00	18,986.67	8,418.00	224.52	221.65	0.000	964.14	10,670.57	1,757.00	1,576.05	180.95	9.710			
20,978.87	10,175.00	19,065.54	8,418.00	226.14	223.27	0.000	964.38	10,749.44	1,757.00	1,574.83	182.17	9.645			
21,000.00	10,175.00	19,086.67	8,418.00	226.57	223.71	0.000	964.44	10,770.57	1,757.00	1,574.51	182.49	9.628			
21,078.87	10,175.00	19,165.54	8,418.00	228.20	225.33	0.000	964.67	10,849.44	1,757.00	1,573.29	183.71	9.564			
21,100.00	10,175.00	19,186.67	8,418.00	228.63	225.76	0.000	964.73	10,870.57	1,757.00	1,572.97	184.03	9.547			
21,178.87	10,175.00	19,265.54	8,418.00	230.25	227.38	0.000	964.96	10,949.44	1,757.00	1,571.75	185.25	9.485			
21,200.00	10,175.00	19,286.67	8,418.00	230.69	227.81	0.000	965.02	10,970.57	1,757.00	1,571.43	185.57	9.468			
21,278.87	10,175.00	19,365.54	8,418.00	232.31	229.44	0.000	965.25	11,049.44	1,757.00	1,570.21	186.79	9.406			
21,300.00	10,175.00	19,386.67	8,418.00	232.74	229.87	0.000	965.31	11,070.57	1,757.00	1,569.88	187.12	9.390			
21,378.87	10,175.00	19,465.54	8,418.00	234.36	231.49	0.000	965.55	11,149.44	1,757.00	1,568.67	188.33	9.329			
21,400.00	10,175.00	19,486.67	8,418.00	234.80	231.92	0.000	965.61	11,170.57	1,757.00	1,568.34	188.66	9.313			
21,478.87	10,175.00	19,565.54	8,418.00	236.42	233.55	0.000	965.84	11,249.44	1,757.00	1,567.13	189.87	9.254			
21,500.00	10,175.00	19,586.67	8,418.00	236.85	233.98	0.000	965.90	11,270.57	1,757.00	1,566.80	190.20	9.238			
21,578.87	10,175.00	19,665.54	8,418.00	238.47	235.60	0.000	966.13	11,349.44	1,757.00	1,565.58	191.42	9.179			
21,600.00	10,175.00	19,686.67	8,418.00	238.91	236.04	0.000	966.19	11,370.57	1,757.00	1,565.26	191.74	9.163			
21,678.87	10,175.00	19,765.54	8,418.00	240.53	237.66	0.000	966.42	11,449.44	1,757.00	1,564.04	192.96	9.106			
21,700.00	10,175.00	19,786.67	8,418.00	240.97	238.09	0.000	966.48	11,470.57	1,757.00	1,563.71	193.29	9.090			
21,778.87	10,175.00	19,865.54	8,418.00	242.59	239.71	0.000	966.72	11,549.44	1,757.00	1,562.50	194.50	9.033			
21,800.00	10,175.00	19,886.67	8,418.00	243.02	240.15	0.000	966.78	11,570.57	1,757.00	1,562.17	194.83	9.018			
21,878.87	10,175.00	19,965.54	8,418.00	244.64	241.77	0.000	967.01	11,649.44	1,757.00	1,560.95	196.05	8.962			
21,900.00	10,175.00	19,986.67	8,418.00	245.08	242.20	0.000	967.07	11,670.57	1,757.00	1,560.63	196.37	8.947			
21,978.87	10,175.00	20,065.54	8,418.00	246.70	243.83	0.000	967.30	11,749.43	1,757.00	1,559.41	197.59	8.892			
22,000.00	10,175.00	20,086.67	8,418.00	247.14	244.26	0.000	967.36	11,770.57	1,757.00	1,559.08	197.92	8.877			
22,078.87	10,175.00	20,165.54	8,418.00	248.76	245.88	0.000	967.59	11,849.43	1,757.00	1,557.86	199.14	8.823			
22,100.00	10,175.00	20,186.67	8,418.00	249.19	246.32	0.000	967.66	11,870.57	1,757.00	1,557.54	199.46	8.809			
22,178.87	10,175.00	20,265.54	8,418.00	250.82	247.94	0.000	967.89	11,949.43	1,757.00	1,556.32	200.68	8.755			
22,200.00	10,175.00	20,286.67	8,418.00	251.25	248.37	0.000	967.95	11,970.57	1,757.00	1,555.99	201.01	8.741			
22,278.87	10,175.00	20,365.54	8,418.00	252.87	250.00	0.000	968.18	12,049.43	1,757.00	1,554.77	202.23	8.688			
22,300.00	10,175.00	20,386.67	8,418.00	253.31	250.43	0.000	968.24	12,070.57	1,757.00	1,554.45	202.55	8.674			
22,378.87	10,175.00	20,465.54	8,418.00	254.93	252.05	0.000	968.47	12,149.43	1,757.00	1,553.23	203.77	8.622			
22,400.00	10,175.00	20,486.67	8,418.00	255.37	252.49	0.000	968.53	12,170.57	1,757.00	1,552.90	204.10	8.609			
22,478.87	10,175.00	20,565.54	8,418.00	256.99	254.11	0.000	968.76	12,249.43	1,757.00	1,551.68	205.32	8.557			
22,500.00	10,175.00	20,586.67	8,418.00	257.43	254.55	0.000	968.83	12,270.57	1,757.00	1,551.35	205.65	8.544			
22,578.87	10,175.00	20,665.54	8,418.00	259.05	256.17	0.000	969.06	12,349.43	1,757.00	1,550.13	206.87	8.493			
22,600.00	10,175.00	20,686.67	8,418.00	259.48	256.60	0.000	969.12	12,370.56	1,757.00	1,549.81	207.19	8.480			
22,678.87	10,175.00	20,765.54	8,418.00	261.11	258.23	0.000	969.35	12,449.43	1,757.00	1,548.59	208.41	8.430			
22,700.00	10,175.00	20,786.67	8,418.00	261.54	258.66	0.000	969.41	12,470.56	1,757.00	1,548.26	208.74	8.417			
22,778.87	10,175.00	20,865.54	8,418.00	263.17	260.28	0.000	969.64	12,549.43	1,757.00	1,547.04	209.96	8.368			
22,800.00	10,175.00	20,886.67	8,418.00	263.60	260.72	0.000	969.70	12,570.56	1,757.00	1,546.71	210.29	8.355			
22,878.87	10,175.00	20,965.54	8,418.00	265.23	262.34	0.000	969.93	12,649.43	1,757.00	1,545.49	211.51	8.307			
22,900.00	10,175.00	20,986.67	8,418.00	265.66	262.78	0.000	970.00	12,670.56	1,757.00	1,545.17	211.83	8.294			
22,978.87	10,175.00	21,065.54	8,418.00	267.28	264.40	0.000	970.23	12,749.43	1,757.00	1,543.95	213.05	8.247			
23,000.00	10,175.00	21,086.67	8,418.00	267.72	264.84	0.000	970.29	12,770.56	1,757.00	1,543.62	213.38	8.234			
23,078.87	10,175.00	21,165.54	8,418.00	269.34	266.46	0.000	970.52	12,849.43	1,757.00	1,542.40	214.60	8.187			
23,100.00	10,175.00	21,186.67	8,418.00	269.78	266.89	0.000	970.58	12,870.56	1,757.00	1,542.07	214.93	8.175			
23,178.87	10,175.00	21,265.54	8,418.00	271.40	268.52	0.000	970.81	12,949.43	1,757.00	1,540.85	216.15	8.129			
23,200.00	10,175.00	21,286.67	8,418.00	271.84	268.95	0.000	970.87	12,970.56	1,757.00	1,540.52	216.48	8.116			
23,278.87	10,175.00	21,365.54	8,418.00	273.46	270.58	0.000	971.10	13,049.43	1,757.00	1,539.30	217.70	8.071			
23,300.00	10,175.00	21,386.67	8,418.00	273.90	271.01	0.000	971.17	13,070.56	1,757.00	1,538.97	218.03	8.059			

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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	
23,378.87	10,175.00	21,465.54	8,418.00	275.52	272.64	0.000	971.40	13,149.43	1,757.00	1,537.75	219.25	8.014	
23,400.00	10,175.00	21,486.67	8,418.00	275.96	273.07	0.000	971.46	13,170.56	1,757.00	1,537.42	219.58	8.002	
23,478.87	10,175.00	21,565.54	8,418.00	277.58	274.70	0.000	971.69	13,249.43	1,757.00	1,536.20	220.80	7.957	
23,500.00	10,175.00	21,586.67	8,418.00	278.02	275.13	0.000	971.75	13,270.56	1,757.00	1,535.87	221.13	7.946	
23,578.87	10,175.00	21,665.54	8,418.00	279.64	276.76	0.000	971.98	13,349.43	1,757.00	1,534.65	222.35	7.902	
23,600.00	10,175.00	21,686.67	8,418.00	280.08	277.19	0.000	972.04	13,370.56	1,757.00	1,534.32	222.68	7.890	
23,678.87	10,175.00	21,765.54	8,418.00	281.70	278.82	0.000	972.27	13,449.43	1,757.00	1,533.10	223.90	7.847	
23,700.00	10,175.00	21,786.67	8,418.00	282.14	279.25	0.000	972.34	13,470.56	1,757.00	1,532.77	224.23	7.836	
23,773.96	10,175.00	21,860.63	8,418.00	283.66	280.77	0.000	972.55	13,544.51	1,757.00	1,531.63	225.37	7.796	
23,793.77	10,175.00	21,880.45	8,418.00	284.07	281.18	0.000	972.61	13,564.33	1,757.00	1,531.32	225.68	7.785	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
0.00	0.00	0.00	0.00	0.00	0.00	-170.670	-39.99	-6.57	40.53				
100.00	100.00	100.00	100.00	0.79	0.79	-170.670	-39.99	-6.57	40.53	38.95	1.57	25.792	
200.00	200.00	200.00	200.00	1.45	1.45	-170.670	-39.99	-6.57	40.53	37.63	2.89	14.012	
300.00	300.00	300.00	300.00	1.89	1.89	-170.670	-39.99	-6.57	40.53	36.74	3.78	10.712	
400.00	400.00	400.00	400.00	2.25	2.25	-170.670	-39.99	-6.57	40.53	36.02	4.51	8.991	
500.00	500.00	500.00	500.00	2.57	2.57	-170.670	-39.99	-6.57	40.53	35.39	5.14	7.892	
600.00	600.00	600.00	600.00	2.85	2.85	-170.670	-39.99	-6.57	40.53	34.83	5.70	7.111	
700.00	700.00	700.00	700.00	3.11	3.11	-170.670	-39.99	-6.57	40.53	34.31	6.22	6.519	
800.00	800.00	800.00	800.00	3.35	3.35	-170.670	-39.99	-6.57	40.53	33.83	6.70	6.051	
900.00	900.00	900.00	900.00	3.58	3.58	-170.670	-39.99	-6.57	40.53	33.38	7.15	5.668	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-170.670	-39.99	-6.57	40.53	32.95	7.58	5.347	
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-170.670	-39.99	-6.57	40.53	32.54	7.99	5.073	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-170.670	-39.99	-6.57	40.53	32.14	8.38	4.835	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-170.670	-39.99	-6.57	40.53	31.77	8.76	4.626	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-170.670	-39.99	-6.57	40.53	31.40	9.13	4.441	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-170.670	-39.99	-6.57	40.53	31.05	9.48	4.275	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-170.670	-39.99	-6.57	40.53	30.70	9.82	4.126	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-170.670	-39.99	-6.57	40.53	30.37	10.16	3.989	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-170.670	-39.99	-6.57	40.53	30.04	10.49	3.865	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-170.670	-39.99	-6.57	40.53	29.72	10.80	3.751	
1,966.67	1,966.67	1,966.67	1,966.67	5.51	5.51	-170.670	-39.99	-6.57	40.53	29.51	11.01	3.680	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-170.670	-39.99	-6.57	40.53	29.41	11.12	3.645 CC, ES, SF	
2,100.00	2,099.98	2,098.49	2,098.47	5.80	5.77	-159.216	-41.68	-6.71	43.87	32.31	11.56	3.795	
2,200.00	2,199.84	2,196.30	2,196.15	6.05	5.98	-161.416	-46.69	-7.15	53.93	41.94	11.99	4.499	
2,300.00	2,299.45	2,293.24	2,292.74	6.31	6.09	-163.678	-54.86	-7.85	70.64	58.31	12.34	5.726	
2,400.00	2,398.70	2,390.94	2,389.99	6.59	6.25	-165.588	-64.11	-8.64	91.79	79.02	12.77	7.188	
2,500.00	2,497.47	2,487.84	2,486.45	6.89	6.42	-167.137	-73.28	-9.43	116.31	103.07	13.24	8.785	
2,600.00	2,595.63	2,583.82	2,582.00	7.17	6.62	-168.406	-82.37	-10.21	144.18	130.47	13.71	10.516	
2,700.00	2,693.50	2,679.39	2,677.14	7.52	6.82	-169.434	-91.42	-10.99	173.49	159.24	14.25	12.175	
2,800.00	2,791.37	2,774.96	2,772.28	7.80	7.04	-170.164	-100.47	-11.76	202.83	188.08	14.75	13.755	
2,900.00	2,889.25	2,870.53	2,867.42	8.10	7.28	-170.710	-109.52	-12.54	232.19	216.92	15.27	15.204	
3,000.00	2,987.12	2,966.10	2,962.55	8.42	7.52	-171.134	-118.57	-13.32	261.58	245.75	15.82	16.530	
3,100.00	3,085.00	3,061.68	3,057.69	8.76	7.78	-171.472	-127.62	-14.09	290.97	274.57	16.40	17.742	
3,200.00	3,182.87	3,157.25	3,152.83	9.10	8.05	-171.748	-136.67	-14.87	320.36	303.37	17.00	18.848	
3,300.00	3,280.75	3,252.82	3,247.97	9.46	8.32	-171.977	-145.72	-15.65	349.77	332.16	17.61	19.857	
3,400.00	3,378.62	3,348.39	3,343.11	9.82	8.60	-172.171	-154.77	-16.43	379.18	360.93	18.25	20.779	
3,500.00	3,476.49	3,443.96	3,438.24	10.20	8.89	-172.337	-163.82	-17.20	408.59	389.69	18.90	21.621	
3,600.00	3,574.37	3,539.53	3,533.38	10.58	9.19	-172.481	-172.87	-17.98	438.01	418.44	19.56	22.391	
3,700.00	3,672.24	3,635.10	3,628.52	10.97	9.49	-172.606	-181.92	-18.76	467.42	447.18	20.24	23.096	
3,800.00	3,770.12	3,730.67	3,723.66	11.37	9.80	-172.717	-190.97	-19.53	496.84	475.92	20.93	23.743	
3,900.00	3,867.99	3,826.24	3,818.80	11.77	10.11	-172.816	-200.02	-20.31	526.26	504.64	21.62	24.337	
4,000.00	3,965.87	3,921.81	3,913.93	12.18	10.43	-172.903	-209.07	-21.09	555.68	533.35	22.33	24.883	
4,100.00	4,063.74	4,017.38	4,009.07	12.59	10.75	-172.983	-218.12	-21.87	585.11	562.06	23.05	25.387	
4,200.00	4,161.61	4,112.95	4,104.21	13.00	11.07	-173.054	-227.17	-22.64	614.53	590.76	23.77	25.851	
4,300.00	4,259.49	4,208.52	4,199.35	13.42	11.40	-173.119	-236.22	-23.42	643.95	619.45	24.50	26.281	
4,400.00	4,357.36	4,304.09	4,294.49	13.85	11.73	-173.178	-245.27	-24.20	673.38	648.14	25.24	26.678	
4,500.00	4,455.24	4,399.66	4,389.62	14.27	12.07	-173.233	-254.32	-24.97	702.80	676.82	25.98	27.047	
4,600.00	4,553.11	4,495.23	4,484.76	14.70	12.40	-173.283	-263.37	-25.75	732.23	705.50	26.73	27.390	
4,700.00	4,650.99	4,590.80	4,579.90	15.14	12.74	-173.329	-272.42	-26.53	761.66	734.17	27.49	27.709	
4,800.00	4,748.86	4,686.38	4,675.04	15.57	13.08	-173.372	-281.47	-27.31	791.08	762.84	28.25	28.007	
4,900.00	4,846.73	4,781.95	4,770.18	16.01	13.43	-173.411	-290.52	-28.08	820.51	791.50	29.01	28.284	
5,000.00	4,944.61	4,877.52	4,865.31	16.45	13.77	-173.448	-299.57	-28.86	849.94	820.16	29.78	28.544	

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 (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	5,042.48	4,973.09	4,960.45	16.89	14.12	-173.483	-308.62	-29.64	879.37	848.82	30.55	28.788
5,200.00	5,140.36	5,068.66	5,055.59	17.33	14.47	-173.515	-317.67	-30.41	908.80	877.48	31.32	29.016
5,300.00	5,238.23	5,164.23	5,150.73	17.78	14.81	-173.545	-326.72	-31.19	938.22	906.13	32.10	29.230
5,400.00	5,336.11	5,259.80	5,245.87	18.22	15.17	-173.573	-335.77	-31.97	967.65	934.78	32.88	29.432
5,500.00	5,433.98	5,355.37	5,341.00	18.67	15.52	-173.600	-344.82	-32.75	997.08	963.42	33.66	29.621
5,600.00	5,531.85	5,450.94	5,436.14	19.12	15.87	-173.625	-353.87	-33.52	1,026.51	992.07	34.45	29.800
5,700.00	5,629.73	5,546.51	5,531.28	19.57	16.23	-173.649	-362.92	-34.30	1,055.94	1,020.71	35.23	29.969
5,800.00	5,727.60	5,642.08	5,626.42	20.02	16.58	-173.671	-371.97	-35.08	1,085.37	1,049.35	36.02	30.129
5,900.00	5,825.48	5,737.65	5,721.56	20.47	16.94	-173.692	-381.02	-35.85	1,114.80	1,077.98	36.82	30.280
6,000.00	5,923.35	5,833.22	5,816.69	20.92	17.30	-173.713	-390.07	-36.63	1,144.23	1,106.62	37.61	30.423
6,100.00	6,021.23	5,928.79	5,911.83	21.38	17.66	-173.732	-399.12	-37.41	1,173.66	1,135.25	38.41	30.559
6,200.00	6,119.10	6,024.36	6,006.97	21.83	18.01	-173.750	-408.17	-38.18	1,203.09	1,163.89	39.20	30.688
6,300.00	6,216.97	6,119.93	6,102.11	22.29	18.38	-173.767	-417.22	-38.96	1,232.52	1,192.52	40.00	30.810
6,400.00	6,314.85	6,215.51	6,197.25	22.75	18.74	-173.784	-426.27	-39.74	1,261.95	1,221.15	40.80	30.926
6,500.00	6,412.72	6,311.08	6,292.38	23.20	19.10	-173.800	-435.32	-40.52	1,291.38	1,249.77	41.61	31.037
6,600.00	6,510.60	6,406.65	6,387.52	23.66	19.46	-173.815	-444.37	-41.29	1,320.81	1,278.40	42.41	31.143
6,700.00	6,608.55	6,502.33	6,482.77	24.10	19.82	-173.858	-453.43	-42.07	1,349.88	1,306.68	43.20	31.247
6,800.00	6,707.06	6,598.83	6,578.84	24.57	20.19	-173.914	-462.57	-42.86	1,376.07	1,332.06	44.01	31.265
6,900.00	6,806.10	6,696.18	6,675.75	25.01	20.56	-173.946	-471.79	-43.65	1,398.90	1,354.09	44.81	31.217
7,000.00	6,905.57	6,794.27	6,773.39	25.42	20.94	-173.955	-481.08	-44.44	1,418.34	1,372.75	45.59	31.111
7,100.00	7,005.33	6,892.96	6,871.64	25.80	21.31	-173.943	-490.42	-45.25	1,434.36	1,388.03	46.34	30.956
7,200.00	7,105.27	6,992.15	6,970.38	26.12	21.69	-173.910	-499.82	-46.05	1,446.95	1,399.92	47.03	30.768
7,300.00	7,205.27	7,091.67	7,069.44	26.19	22.07	173.717	-509.24	-46.86	1,456.62	1,409.15	47.47	30.682
7,400.00	7,305.27	7,191.21	7,168.54	26.23	22.46	173.790	-518.66	-47.67	1,465.95	1,418.05	47.90	30.604
7,500.00	7,405.27	7,331.72	7,308.51	26.28	22.97	173.881	-530.83	-48.72	1,474.72	1,426.12	48.60	30.343
7,600.00	7,505.27	7,528.63	7,505.27	26.32	23.54	173.929	-537.22	-49.27	1,477.83	1,428.39	49.44	29.890
7,700.00	7,605.27	7,628.63	7,605.27	26.37	23.56	173.929	-537.22	-49.27	1,477.83	1,428.32	49.51	29.850
7,800.00	7,705.27	7,728.63	7,705.27	26.42	23.58	173.929	-537.22	-49.27	1,477.83	1,428.25	49.58	29.809
7,900.00	7,805.27	7,828.63	7,805.27	26.46	23.61	173.929	-537.22	-49.27	1,477.83	1,428.18	49.65	29.764
7,906.98	7,812.25	7,835.61	7,812.25	26.47	23.61	173.929	-537.22	-49.27	1,477.83	1,428.17	49.66	29.760
8,000.00	7,905.27	7,915.89	7,892.48	26.51	23.62	173.853	-537.21	-47.30	1,478.09	1,428.38	49.71	29.736
8,100.00	8,005.27	7,993.03	7,968.69	26.56	23.60	173.409	-537.18	-35.76	1,479.73	1,430.00	49.74	29.751
8,200.00	8,105.27	8,065.86	8,038.62	26.60	23.59	172.633	-537.12	-15.58	1,483.17	1,433.43	49.74	29.817
8,300.00	8,205.27	8,132.62	8,100.00	26.65	23.59	171.631	-537.04	10.59	1,488.91	1,439.19	49.71	29.950
8,400.00	8,305.27	8,200.00	8,158.44	26.70	23.60	170.358	-536.94	44.04	1,497.54	1,447.88	49.66	30.155
8,500.00	8,405.27	8,250.00	8,199.05	26.74	23.61	169.257	-536.86	73.18	1,509.55	1,460.02	49.52	30.482
8,600.00	8,505.27	8,300.00	8,236.97	26.79	23.65	168.035	-536.76	105.75	1,525.49	1,476.14	49.35	30.912
8,700.00	8,605.27	8,332.00	8,259.69	26.84	23.68	167.196	-536.70	128.28	1,545.61	1,496.55	49.06	31.505
8,800.00	8,705.27	8,367.17	8,283.16	26.89	23.73	166.229	-536.62	154.46	1,570.22	1,521.48	48.74	32.213
8,900.00	8,805.27	8,400.00	8,303.59	26.94	23.78	165.286	-536.54	180.16	1,599.39	1,551.01	48.38	33.056
9,000.00	8,905.27	8,424.76	8,318.00	26.98	23.84	164.554	-536.49	200.29	1,633.10	1,585.14	47.96	34.052
9,100.00	9,005.27	8,450.00	8,331.78	27.03	23.89	163.790	-536.42	221.43	1,671.27	1,623.75	47.52	35.173
9,200.00	9,105.27	8,469.30	8,341.69	27.08	23.95	163.195	-536.38	237.99	1,713.74	1,666.70	47.04	36.434
9,300.00	9,205.27	8,500.00	8,356.28	27.13	24.04	162.234	-536.30	265.00	1,760.42	1,713.78	46.64	37.746
9,400.00	9,305.27	8,500.00	8,356.28	27.18	24.04	162.234	-536.30	265.00	1,810.77	1,764.73	46.04	39.328
9,500.00	9,405.27	8,519.18	8,364.65	27.23	24.11	161.625	-536.25	282.26	1,864.83	1,819.21	45.61	40.884
9,600.00	9,505.27	8,532.51	8,370.12	27.28	24.16	161.198	-536.21	294.41	1,922.28	1,877.10	45.17	42.556
9,700.00	9,605.27	8,550.00	8,376.88	27.33	24.23	70.564	-536.16	310.54	1,982.87	1,938.07	44.80	44.261
9,800.00	9,704.71	8,550.00	8,376.88	27.30	24.23	63.518	-536.16	310.54	2,043.67	1,999.40	44.27	46.169

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	1.090	1,261.91	24.01	1,262.27				
100.00	100.00	81.64	81.64	0.79	0.99	1.076	1,261.91	23.69	1,262.13	1,260.35	1.78	709.417	
200.00	200.00	181.80	181.79	1.45	2.21	1.018	1,261.92	22.43	1,262.12	1,258.46	3.66	345.018	
227.23	227.23	208.74	208.73	1.57	2.48	0.995	1,261.92	21.93	1,262.11	1,258.06	4.05	311.592	
300.00	300.00	279.02	279.00	1.89	2.88	0.936	1,262.01	20.61	1,262.18	1,257.41	4.77	264.389	
400.00	400.00	375.60	375.56	2.25	3.43	0.857	1,262.36	18.87	1,262.52	1,256.83	5.68	222.100	
500.00	500.00	477.79	477.73	2.57	3.94	0.774	1,262.84	17.06	1,262.96	1,256.45	6.51	193.960	
600.00	600.00	581.87	581.79	2.85	4.44	0.682	1,263.01	15.04	1,263.10	1,255.80	7.29	173.163	
662.95	662.95	644.54	644.45	3.01	4.73	0.626	1,262.99	13.79	1,263.07	1,255.33	7.74	163.179	
700.00	700.00	680.79	680.70	3.11	4.89	0.596	1,263.01	13.14	1,263.08	1,255.09	8.00	157.967	
800.00	800.00	778.65	778.54	3.35	5.32	0.529	1,263.17	11.65	1,263.23	1,254.56	8.67	145.746	
900.00	900.00	877.36	877.25	3.58	5.73	0.475	1,263.47	10.48	1,263.52	1,254.21	9.31	135.721	
1,000.00	1,000.00	976.32	976.20	3.79	6.15	0.429	1,263.85	9.45	1,263.90	1,253.97	9.94	127.202	
1,100.00	1,100.00	1,074.80	1,074.67	3.99	6.55	0.383	1,264.33	8.45	1,264.38	1,253.84	10.54	119.958	
1,200.00	1,200.00	1,173.12	1,172.98	4.19	6.94	0.325	1,264.93	7.17	1,264.98	1,253.85	11.13	113.638	
1,300.00	1,300.00	1,272.33	1,272.18	4.38	7.33	0.261	1,265.65	5.77	1,265.70	1,253.99	11.71	108.067	
1,400.00	1,400.00	1,371.89	1,371.73	4.56	7.72	0.214	1,266.41	4.74	1,266.45	1,254.17	12.28	103.090	
1,500.00	1,500.00	1,475.41	1,475.25	4.74	8.12	0.180	1,267.11	3.97	1,267.13	1,254.27	12.86	98.518	
1,600.00	1,600.00	1,580.50	1,580.33	4.91	8.53	0.145	1,267.42	3.21	1,267.42	1,253.98	13.44	94.319	
1,700.00	1,700.00	1,678.44	1,678.27	5.08	8.90	0.117	1,267.54	2.59	1,267.54	1,253.57	13.98	90.689	
1,800.00	1,800.00	1,774.75	1,774.58	5.24	9.26	0.103	1,267.92	2.28	1,267.94	1,253.44	14.50	87.416	
1,900.00	1,900.00	1,874.69	1,874.52	5.40	9.64	0.103	1,268.51	2.27	1,268.53	1,253.49	15.04	84.345	
2,000.00	2,000.00	1,975.93	1,975.76	5.56	10.02	0.117	1,269.01	2.59	1,269.03	1,253.46	15.58	81.478	
2,100.00	2,099.98	2,079.98	2,079.80	5.80	10.40	12.600	1,269.34	3.14	1,267.65	1,251.45	16.20	78.253	
2,200.00	2,199.84	2,184.75	2,184.57	6.05	10.79	12.700	1,269.28	3.65	1,262.48	1,245.65	16.83	75.007	
2,300.00	2,299.45	2,281.58	2,281.39	6.31	11.15	12.848	1,269.09	4.18	1,253.79	1,236.34	17.45	71.867	
2,400.00	2,398.70	2,376.78	2,376.60	6.59	11.50	13.054	1,269.21	4.89	1,242.03	1,223.96	18.07	68.734	
2,500.00	2,497.47	2,473.64	2,473.45	6.89	11.85	13.331	1,269.57	5.87	1,227.18	1,208.46	18.72	65.566	
2,600.00	2,595.63	2,570.58	2,570.38	7.17	12.21	13.679	1,270.04	7.20	1,209.11	1,189.77	19.35	62.495	
2,700.00	2,693.50	2,664.40	2,664.19	7.52	12.55	13.968	1,270.67	8.56	1,189.86	1,169.83	20.03	59.412	
2,800.00	2,791.37	2,757.19	2,756.97	7.80	12.89	14.227	1,271.70	9.20	1,171.06	1,150.41	20.64	56.728	
2,900.00	2,889.25	2,851.66	2,851.43	8.10	13.23	14.462	1,273.17	9.13	1,152.68	1,131.40	21.28	54.162	
3,000.00	2,987.12	2,947.51	2,947.26	8.42	13.58	14.687	1,274.89	8.65	1,134.56	1,112.62	21.94	51.712	
3,100.00	3,085.00	3,043.48	3,043.21	8.76	13.93	14.901	1,276.83	7.82	1,116.65	1,094.04	22.61	49.385	
3,200.00	3,182.87	3,139.57	3,139.27	9.10	14.28	15.106	1,278.98	6.71	1,098.96	1,075.67	23.29	47.177	
3,300.00	3,280.75	3,236.69	3,236.35	9.46	14.63	15.307	1,281.34	5.34	1,081.47	1,057.48	23.99	45.078	
3,400.00	3,378.62	3,335.43	3,335.05	9.82	14.99	15.516	1,283.75	3.93	1,064.01	1,039.31	24.70	43.075	
3,500.00	3,476.49	3,434.05	3,433.63	10.20	15.34	15.734	1,286.13	2.56	1,046.53	1,021.11	25.42	41.171	
3,600.00	3,574.37	3,532.47	3,532.01	10.58	15.70	15.963	1,288.50	1.25	1,029.06	1,002.91	26.14	39.365	
3,700.00	3,672.24	3,631.48	3,630.99	10.97	16.05	16.204	1,290.86	-0.01	1,011.58	984.71	26.87	37.645	
3,800.00	3,770.12	3,731.75	3,731.23	11.37	16.41	16.464	1,293.09	-1.19	993.99	966.38	27.61	36.002	
3,900.00	3,867.99	3,831.58	3,831.03	11.77	16.77	16.738	1,295.12	-2.26	976.23	947.88	28.35	34.436	
4,000.00	3,965.87	3,930.59	3,930.01	12.18	17.13	17.021	1,297.04	-3.33	958.39	929.30	29.09	32.946	
4,100.00	4,063.74	4,028.87	4,028.28	12.59	17.48	17.310	1,298.88	-4.43	940.51	910.68	29.83	31.527	
4,200.00	4,161.61	4,125.56	4,124.94	13.00	17.82	17.604	1,300.80	-5.52	922.76	892.19	30.57	30.184	
4,300.00	4,259.49	4,222.62	4,221.97	13.42	18.17	17.910	1,302.89	-6.61	905.21	873.90	31.31	28.907	
4,400.00	4,357.36	4,320.74	4,320.06	13.85	18.52	18.230	1,305.08	-7.72	887.75	855.69	32.06	27.689	
4,500.00	4,455.24	4,419.08	4,418.37	14.27	18.87	18.563	1,307.29	-8.84	870.34	837.53	32.81	26.527	
4,600.00	4,553.11	4,518.27	4,517.53	14.70	19.23	18.916	1,309.45	-9.94	852.90	819.34	33.56	25.415	
4,700.00	4,650.99	4,617.18	4,616.41	15.14	19.58	19.288	1,311.51	-10.97	835.40	801.09	34.31	24.350	
4,800.00	4,748.86	4,715.02	4,714.23	15.57	19.93	19.672	1,313.55	-11.97	817.94	782.88	35.06	23.333	
4,900.00	4,846.73	4,812.87	4,812.05	16.01	20.28	20.073	1,315.64	-12.97	800.57	764.77	35.80	22.362	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,000.00	4,944.61	4,910.68	4,909.83	16.45	20.63	20.488	1,317.80	-14.00	783.31	746.76	36.55	21.434		
5,100.00	5,042.48	5,008.74	5,007.86	16.89	21.01	20.919	1,320.04	-15.08	766.15	728.82	37.33	20.525		
5,200.00	5,140.36	5,109.15	5,108.24	17.33	21.81	21.375	1,322.20	-16.27	748.90	710.39	38.51	19.448		
5,300.00	5,238.23	5,209.47	5,208.53	17.78	22.60	21.845	1,324.11	-17.59	731.43	691.74	39.69	18.430		
5,400.00	5,336.11	5,309.71	5,308.74	18.22	23.39	22.332	1,325.75	-19.03	713.74	672.88	40.86	17.468		
5,500.00	5,433.98	5,409.57	5,408.58	18.67	24.14	22.836	1,327.13	-20.59	695.82	653.84	41.98	16.573		
5,600.00	5,531.85	5,506.83	5,505.82	19.12	24.46	23.354	1,328.45	-22.10	677.93	635.25	42.69	15.881		
5,700.00	5,629.73	5,604.13	5,603.10	19.57	24.78	23.908	1,329.87	-23.50	660.24	616.85	43.39	15.217		
5,800.00	5,727.60	5,701.55	5,700.49	20.02	25.11	24.479	1,331.46	-25.02	642.73	598.65	44.08	14.580		
5,900.00	5,825.48	5,799.05	5,797.97	20.47	25.43	25.051	1,333.23	-26.84	625.41	580.64	44.78	13.968		
6,000.00	5,923.35	5,898.58	5,897.46	20.92	25.76	25.667	1,335.00	-28.72	608.12	562.66	45.46	13.377		
6,100.00	6,021.23	5,998.01	5,996.87	21.38	26.09	26.354	1,336.49	-30.30	590.70	544.57	46.13	12.804		
6,200.00	6,119.10	6,096.99	6,095.83	21.83	26.42	27.097	1,337.78	-31.74	573.21	526.41	46.80	12.249		
6,300.00	6,216.97	6,195.93	6,194.75	22.29	26.75	27.885	1,338.93	-33.22	555.67	508.22	47.45	11.711		
6,400.00	6,314.85	6,293.31	6,292.11	22.75	27.08	28.687	1,340.13	-34.90	538.24	490.14	48.10	11.191		
6,500.00	6,412.72	6,390.76	6,389.52	23.20	27.40	29.492	1,341.59	-36.97	521.07	472.33	48.74	10.691		
6,600.00	6,510.60	6,489.04	6,487.77	23.66	27.73	30.335	1,343.19	-39.23	504.07	454.71	49.37	10.211		
6,700.00	6,608.55	6,587.45	6,586.14	24.10	28.06	31.156	1,344.72	-41.32	487.50	437.55	49.96	9.758		
6,800.00	6,707.06	6,686.37	6,685.03	24.57	28.39	31.800	1,346.19	-43.27	473.56	422.98	50.58	9.363		
6,900.00	6,806.10	6,785.75	6,784.38	25.01	28.73	32.302	1,347.60	-45.13	462.60	411.40	51.20	9.035		
7,000.00	6,905.57	6,885.00	6,883.61	25.42	29.06	32.644	1,348.97	-46.82	454.65	402.82	51.82	8.773		
7,100.00	7,005.33	6,984.40	6,982.99	25.80	29.39	32.821	1,350.36	-48.27	449.74	397.29	52.44	8.575		
7,200.00	7,105.27	7,084.47	7,083.04	26.12	29.73	32.810	1,351.76	-49.58	447.81	394.76	53.05	8.441		
7,237.61	7,142.88	7,122.15	7,120.71	26.14	29.86	32.758	1,352.28	-50.09	447.72	394.51	53.21	8.415		
7,300.00	7,205.27	7,184.65	7,183.20	26.19	30.07	20.174	1,353.14	-50.96	448.33	394.85	53.48	8.383		
7,400.00	7,305.27	7,285.23	7,283.76	26.23	30.41	19.930	1,354.50	-52.50	449.07	395.17	53.90	8.331		
7,500.00	7,405.27	7,385.87	7,384.38	26.28	30.75	19.652	1,355.80	-54.34	449.67	395.34	54.33	8.276		
7,600.00	7,505.27	7,486.23	7,484.71	26.32	31.09	19.353	1,357.05	-56.39	450.17	395.40	54.77	8.219		
7,700.00	7,605.27	7,586.54	7,584.99	26.37	31.43	19.049	1,358.24	-58.50	450.59	395.39	55.20	8.162		
7,800.00	7,705.27	7,686.39	7,684.81	26.42	31.77	18.754	1,359.38	-60.57	451.00	395.36	55.64	8.106		
7,900.00	7,805.27	7,786.18	7,784.57	26.46	32.10	18.482	1,360.50	-62.46	451.46	395.39	56.07	8.051		
8,000.00	7,905.27	7,886.59	7,884.97	26.51	32.44	18.227	1,361.56	-64.22	451.91	395.42	56.50	7.999		
8,100.00	8,005.27	7,987.11	7,985.47	26.56	32.79	17.984	1,362.49	-65.93	452.26	395.33	56.92	7.945		
8,200.00	8,105.27	8,087.90	8,086.24	26.60	33.13	17.752	1,363.25	-67.61	452.47	395.12	57.35	7.890		
8,300.00	8,205.27	8,188.74	8,187.06	26.65	33.47	17.532	1,363.80	-69.26	452.49	394.73	57.76	7.833		
8,400.00	8,305.27	8,289.60	8,287.91	26.70	33.81	17.310	1,364.17	-70.98	452.33	394.15	58.18	7.774		
8,500.00	8,405.27	8,390.47	8,388.76	26.74	34.16	17.068	1,364.40	-72.91	451.99	393.38	58.61	7.712		
8,600.00	8,505.27	8,492.91	8,491.18	26.79	34.50	16.799	1,364.34	-75.14	451.30	392.28	59.02	7.646		
8,700.00	8,605.27	8,595.50	8,593.73	26.84	34.85	16.504	1,363.77	-77.74	450.04	390.60	59.44	7.571		
8,800.00	8,705.27	8,695.77	8,693.96	26.89	35.19	16.200	1,362.91	-80.47	448.45	388.58	59.87	7.490		
8,900.00	8,805.27	8,795.94	8,794.09	26.94	35.54	15.895	1,362.02	-83.21	446.83	386.52	60.31	7.409		
9,000.00	8,905.27	8,896.96	8,895.07	26.98	35.88	15.572	1,361.00	-86.10	445.08	384.34	60.74	7.328		
9,100.00	9,005.27	8,998.01	8,996.05	27.03	36.23	15.223	1,359.79	-89.25	443.10	381.93	61.17	7.243		
9,200.00	9,105.27	9,097.31	9,095.30	27.08	36.56	14.883	1,358.54	-92.30	441.09	379.47	61.62	7.158		
9,300.00	9,205.27	9,196.61	9,194.56	27.13	36.90	14.582	1,357.35	-95.01	439.23	377.18	62.06	7.078		
9,400.00	9,305.27	9,298.09	9,296.00	27.18	37.25	14.308	1,355.97	-97.52	437.30	374.83	62.48	7.000		
9,500.00	9,405.27	9,399.64	9,397.50	27.23	37.60	14.062	1,354.18	-99.91	435.01	372.12	62.89	6.917		
9,600.00	9,505.27	9,500.63	9,498.44	27.28	37.94	13.827	1,352.07	-102.26	432.43	369.12	63.31	6.831		
9,700.00	9,605.27	9,601.56	9,599.32	27.33	38.29	-76.256	1,349.74	-104.68	429.62	365.89	63.72	6.742		
9,800.00	9,704.71	9,699.72	9,697.42	27.30	38.62	-78.142	1,347.46	-106.93	424.76	360.42	64.34	6.601		
9,900.00	9,801.04	9,794.55	9,792.21	27.25	38.94	-82.404	1,345.42	-108.82	417.59	352.42	65.17	6.408		
10,000.00	9,891.31	9,884.21	9,881.84	27.22	39.25	-88.471	1,343.54	-110.39	411.43	345.42	66.01	6.233		

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
10,053.87	9,936.47	9,929.03	9,926.64	27.22	39.40	-92.077	1,342.58	-111.12	410.24	343.86	66.39	6.180 CC, ES	
10,100.00	9,972.80	9,965.06	9,962.66	27.22	39.53	-95.124	1,341.79	-111.66	411.33	344.72	66.61	6.175 SF	
10,200.00	10,043.02	10,034.55	10,032.12	27.30	39.76	-100.836	1,340.24	-112.66	423.10	356.40	66.70	6.343	
10,300.00	10,099.85	10,090.33	10,087.88	27.48	39.95	-104.187	1,338.96	-113.49	451.21	385.00	66.20	6.815	
10,400.00	10,141.54	10,130.72	10,128.26	27.80	40.09	-104.080	1,338.00	-114.10	496.96	431.65	65.31	7.609	
10,500.00	10,166.85	10,154.54	10,152.07	28.27	40.17	-99.574	1,337.43	-114.47	558.25	493.94	64.31	8.681	
10,600.00	10,175.00	10,161.12	10,158.64	28.90	40.20	-90.303	1,337.27	-114.58	630.90	567.48	63.42	9.948	
10,700.00	10,175.00	10,159.53	10,157.06	29.65	40.19	-90.079	1,337.30	-114.55	710.52	647.81	62.70	11.331	
10,800.00	10,175.00	10,157.95	10,155.47	30.53	40.19	-89.855	1,337.34	-114.53	794.75	732.60	62.15	12.788	
10,900.00	10,175.00	10,156.37	10,153.90	31.52	40.18	-89.631	1,337.38	-114.50	882.28	820.56	61.72	14.296	
11,000.00	10,175.00	10,154.79	10,152.32	32.61	40.17	-89.408	1,337.42	-114.48	972.22	910.83	61.38	15.839	
11,100.00	10,175.00	10,153.22	10,150.75	33.79	40.17	-89.186	1,337.46	-114.45	1,063.95	1,002.83	61.12	17.407	
11,200.00	10,175.00	10,151.65	10,149.18	35.06	40.16	-88.964	1,337.50	-114.43	1,157.05	1,096.13	60.92	18.994	
11,300.00	10,175.00	10,150.08	10,147.61	36.40	40.16	-88.743	1,337.53	-114.40	1,251.21	1,190.45	60.76	20.593	
11,400.00	10,175.00	10,148.52	10,146.05	37.80	40.15	-88.522	1,337.57	-114.38	1,346.21	1,285.58	60.63	22.203	
11,500.00	10,175.00	10,146.96	10,144.49	39.27	40.15	-88.302	1,337.61	-114.36	1,441.89	1,381.36	60.53	23.820	
11,600.00	10,175.00	10,145.40	10,142.94	40.78	40.14	-88.082	1,337.65	-114.33	1,538.12	1,477.66	60.46	25.442	
11,700.00	10,175.00	10,143.85	10,141.38	42.35	40.14	-87.863	1,337.68	-114.31	1,634.80	1,574.40	60.40	27.067	
11,800.00	10,175.00	10,142.30	10,139.83	43.95	40.13	-87.644	1,337.72	-114.28	1,731.85	1,671.50	60.35	28.695	
11,900.00	10,175.00	10,140.75	10,138.29	45.59	40.13	-87.426	1,337.76	-114.26	1,829.22	1,768.90	60.32	30.324	
12,000.00	10,175.00	10,139.21	10,136.74	47.27	40.12	-87.209	1,337.80	-114.23	1,926.86	1,866.56	60.30	31.954	
12,100.00	10,175.00	10,137.67	10,135.21	48.98	40.12	-86.992	1,337.83	-114.21	2,024.73	1,964.44	60.29	33.584	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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	
16,400.00	10,175.00	10,170.88	10,163.50	132.54	298.55	90.000	-379.89	7,683.17	2,014.73	1,626.22	388.50	5.186	
16,500.00	10,175.00	10,170.88	10,163.50	134.57	298.55	90.000	-379.89	7,683.17	1,940.98	1,547.90	393.08	4.938	
16,600.00	10,175.00	10,170.88	10,163.50	136.60	298.55	90.000	-379.89	7,683.17	1,869.67	1,471.76	397.90	4.699	
16,700.00	10,175.00	10,170.88	10,163.50	138.62	298.55	90.000	-379.89	7,683.17	1,801.09	1,398.12	402.96	4.470	
16,800.00	10,175.00	10,170.88	10,163.50	140.66	298.55	90.000	-379.89	7,683.17	1,735.56	1,327.31	408.25	4.251	
16,900.00	10,175.00	10,170.88	10,163.50	142.69	298.55	90.000	-379.89	7,683.17	1,673.45	1,259.72	413.73	4.045	
17,000.00	10,175.00	10,170.88	10,163.50	144.72	298.55	90.000	-379.89	7,683.17	1,615.15	1,195.79	419.36	3.851	
17,100.00	10,175.00	10,170.88	10,163.50	146.75	298.55	90.000	-379.89	7,683.17	1,561.08	1,135.99	425.09	3.672	
17,200.00	10,175.00	10,170.88	10,163.50	148.79	298.55	90.000	-379.89	7,683.17	1,511.70	1,080.86	430.84	3.509	
17,300.00	10,175.00	10,170.88	10,163.50	150.82	298.55	90.000	-379.89	7,683.17	1,467.48	1,030.98	436.50	3.362	
17,400.00	10,175.00	10,170.88	10,163.50	152.86	298.55	90.000	-379.89	7,683.17	1,428.90	986.94	441.96	3.233	
17,500.00	10,175.00	10,170.88	10,163.50	154.90	298.55	90.000	-379.89	7,683.17	1,396.43	949.34	447.10	3.123	
17,600.00	10,175.00	10,170.88	10,163.50	156.93	298.55	90.000	-379.89	7,683.17	1,370.51	918.75	451.76	3.034	
17,700.00	10,175.00	10,170.88	10,163.50	158.97	298.55	90.000	-379.89	7,683.17	1,351.50	895.69	455.81	2.965	
17,800.00	10,175.00	10,170.88	10,163.50	161.01	298.55	90.000	-379.89	7,683.17	1,339.71	880.58	459.12	2.918	
17,900.00	10,175.00	10,170.88	10,163.50	163.05	298.55	90.000	-379.89	7,683.17	1,335.32	873.71	461.61	2.893	
17,908.68	10,175.00	10,170.88	10,163.50	163.23	298.55	90.000	-379.89	7,683.17	1,335.29	873.51	461.78	2.892 CC, ES	
18,000.00	10,175.00	10,170.88	10,163.50	165.09	298.55	90.000	-379.89	7,683.17	1,338.41	875.21	463.20	2.889 SF	
18,100.00	10,175.00	10,170.88	10,163.50	167.14	298.55	90.000	-379.89	7,683.17	1,348.93	885.04	463.89	2.908	
18,200.00	10,175.00	10,170.88	10,163.50	169.18	298.55	90.000	-379.89	7,683.17	1,366.70	903.00	463.70	2.947	
18,300.00	10,175.00	10,170.88	10,163.50	171.22	298.55	90.000	-379.89	7,683.17	1,391.45	928.74	462.71	3.007	
18,400.00	10,175.00	10,170.88	10,163.50	173.27	298.55	90.000	-379.89	7,683.17	1,422.82	961.80	461.02	3.086	
18,500.00	10,175.00	10,170.88	10,163.50	175.31	298.55	90.000	-379.89	7,683.17	1,460.37	1,001.64	458.73	3.184	
18,600.00	10,175.00	10,170.88	10,163.50	177.36	298.55	90.000	-379.89	7,683.17	1,503.64	1,047.67	455.97	3.298	
18,700.00	10,175.00	10,170.88	10,163.50	179.40	298.55	90.000	-379.89	7,683.17	1,552.16	1,099.30	452.85	3.427	
18,800.00	10,175.00	10,170.88	10,163.50	181.45	298.55	90.000	-379.89	7,683.17	1,605.45	1,155.95	449.50	3.572	
18,900.00	10,175.00	10,170.88	10,163.50	183.50	298.55	90.000	-379.89	7,683.17	1,663.05	1,217.06	445.98	3.729	
19,000.00	10,175.00	10,170.88	10,163.50	185.54	298.55	90.000	-379.89	7,683.17	1,724.53	1,282.13	442.40	3.898	
19,100.00	10,175.00	10,170.88	10,163.50	187.59	298.55	90.000	-379.89	7,683.17	1,789.48	1,350.68	438.80	4.078	
19,200.00	10,175.00	10,170.88	10,163.50	189.64	298.55	90.000	-379.89	7,683.17	1,857.56	1,422.32	435.24	4.268	
19,300.00	10,175.00	10,170.88	10,163.50	191.69	298.55	90.000	-379.89	7,683.17	1,928.41	1,496.67	431.74	4.467	
19,400.00	10,175.00	10,170.88	10,163.50	193.74	298.55	90.000	-379.89	7,683.17	2,001.76	1,573.41	428.35	4.673	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre	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	-64.164	600.21	-1,239.57	1,377.30					
100.00	100.00	87.50	87.50	0.79	1.79	-64.164	600.21	-1,239.57	1,377.24	1,374.67	2.57	535.596		
200.00	200.00	187.50	187.50	1.45	3.83	-64.164	600.21	-1,239.57	1,377.24	1,371.97	5.27	261.200		
300.00	300.00	287.50	287.50	1.89	5.83	-64.164	600.21	-1,239.57	1,377.24	1,369.52	7.72	178.364		
400.00	400.00	387.50	387.50	2.25	7.79	-64.164	600.21	-1,239.57	1,377.24	1,367.19	10.05	137.085		
500.00	500.00	487.50	487.50	2.57	9.76	-64.164	600.21	-1,239.57	1,377.24	1,364.92	12.32	111.755		
600.00	600.00	587.50	587.50	2.85	11.55	-64.164	600.21	-1,239.57	1,377.24	1,362.84	14.40	95.650		
700.00	700.00	688.16	688.16	3.11	13.29	-64.160	600.30	-1,239.57	1,377.28	1,360.88	16.40	83.993		
800.00	800.00	787.50	787.50	3.35	15.32	-64.164	600.21	-1,239.57	1,377.24	1,358.58	18.66	73.790		
900.00	900.00	887.50	887.50	3.58	17.77	-64.164	600.21	-1,239.57	1,377.24	1,355.89	21.35	64.520		
1,000.00	1,000.00	987.53	987.53	3.79	20.23	-64.154	600.46	-1,239.57	1,377.35	1,353.34	24.02	57.350		
1,100.00	1,100.00	1,088.09	1,088.09	3.99	22.70	-64.156	600.41	-1,239.57	1,377.33	1,350.64	26.69	51.604		
1,200.00	1,200.00	1,188.65	1,188.64	4.19	25.16	-64.161	600.27	-1,239.57	1,377.27	1,347.91	29.36	46.916		
1,298.61	1,298.61	1,286.12	1,286.11	4.38	27.60	-64.164	600.21	-1,239.57	1,377.24	1,345.26	31.98	43.068		
1,300.00	1,300.00	1,287.51	1,287.50	4.38	27.64	-64.164	600.21	-1,239.57	1,377.24	1,345.22	32.02	43.018		
1,400.00	1,400.00	1,387.51	1,387.50	4.56	30.15	-64.164	600.21	-1,239.57	1,377.24	1,342.52	34.72	39.670		
1,500.00	1,500.00	1,487.51	1,487.50	4.74	32.67	-64.164	600.21	-1,239.57	1,377.24	1,339.83	37.41	36.812		
1,600.00	1,600.00	1,587.88	1,587.87	4.91	35.20	-64.153	600.49	-1,239.57	1,377.37	1,337.25	40.11	34.337		
1,700.00	1,700.00	1,688.34	1,688.33	5.08	37.73	-64.157	600.39	-1,239.57	1,377.32	1,334.51	42.81	32.172		
1,800.00	1,800.00	1,788.80	1,788.79	5.24	40.26	-64.163	600.21	-1,239.57	1,377.24	1,331.74	45.50	30.266		
1,836.90	1,836.90	1,824.44	1,824.40	5.30	41.08	-64.164	600.21	-1,239.57	1,377.24	1,330.86	46.38	29.692		
1,900.00	1,900.00	1,887.55	1,887.50	5.40	42.52	-64.164	600.21	-1,239.57	1,377.24	1,329.32	47.92	28.742		
2,000.00	2,000.00	1,987.55	1,987.50	5.56	44.79	-64.164	600.21	-1,239.57	1,377.24	1,326.89	50.35	27.355		
2,100.00	2,099.98	2,088.40	2,088.34	5.80	47.08	-51.764	601.28	-1,239.57	1,376.63	1,323.80	52.82	26.061		
2,200.00	2,199.84	2,190.36	2,190.29	6.05	49.39	-52.004	600.95	-1,239.57	1,373.26	1,317.93	55.33	24.821		
2,300.00	2,299.45	2,292.00	2,291.93	6.31	51.70	-52.413	600.27	-1,239.57	1,367.61	1,309.79	57.82	23.652		
2,400.00	2,398.70	2,386.40	2,386.20	6.59	53.75	-52.921	600.21	-1,239.57	1,360.15	1,300.08	60.07	22.644		
2,500.00	2,497.47	2,485.83	2,485.61	6.89	55.91	-53.552	601.51	-1,239.57	1,351.26	1,288.84	62.41	21.650		
2,600.00	2,595.63	2,588.96	2,588.73	7.17	58.14	-54.429	600.92	-1,239.57	1,339.67	1,274.86	64.82	20.669		
2,700.00	2,693.50	2,681.33	2,681.00	7.52	60.10	-55.126	600.21	-1,239.57	1,327.37	1,260.33	67.04	19.798		
2,800.00	2,791.37	2,779.25	2,778.87	7.80	62.14	-55.848	600.21	-1,239.57	1,315.58	1,246.32	69.26	18.994		
2,900.00	2,889.25	2,877.13	2,876.75	8.10	64.22	-56.583	600.21	-1,239.57	1,304.01	1,232.48	71.53	18.230		
3,000.00	2,987.12	2,977.81	2,977.41	8.42	66.36	-57.322	600.94	-1,239.57	1,292.92	1,219.06	73.86	17.504		
3,100.00	3,085.00	3,072.96	3,072.50	8.76	68.36	-58.091	600.21	-1,239.57	1,281.53	1,205.48	76.05	16.851		
3,200.00	3,182.87	3,170.83	3,170.37	9.10	70.29	-58.864	600.21	-1,239.57	1,270.64	1,192.47	78.17	16.254		
3,300.00	3,280.75	3,270.93	3,270.45	9.46	72.26	-59.642	600.79	-1,239.57	1,260.18	1,179.84	80.34	15.686		
3,400.00	3,378.62	3,366.62	3,366.12	9.82	74.07	-60.448	600.21	-1,239.57	1,249.59	1,167.25	82.34	15.176		
3,500.00	3,476.49	3,464.50	3,463.99	10.20	75.68	-61.259	600.21	-1,239.57	1,239.43	1,155.29	84.14	14.730		
3,600.00	3,574.37	3,563.59	3,563.08	10.58	77.31	-62.079	600.54	-1,239.57	1,229.63	1,143.66	85.97	14.304		
3,700.00	3,672.24	3,660.26	3,659.74	10.97	79.08	-62.920	600.21	-1,239.57	1,219.91	1,131.99	87.92	13.875		
3,800.00	3,770.12	3,758.13	3,757.62	11.37	81.24	-63.770	600.21	-1,239.57	1,210.55	1,120.29	90.26	13.412		
3,900.00	3,867.99	3,856.00	3,855.49	11.77	83.40	-64.632	600.21	-1,239.57	1,201.46	1,108.87	92.60	12.975		
4,000.00	3,965.87	3,953.88	3,953.37	12.18	85.55	-65.506	600.21	-1,239.57	1,192.67	1,097.73	94.93	12.563		
4,100.00	4,063.74	4,051.75	4,051.24	12.59	87.71	-66.393	600.21	-1,239.57	1,184.16	1,086.90	97.26	12.175		
4,200.00	4,161.61	4,149.63	4,149.11	13.00	89.87	-67.293	600.21	-1,239.57	1,175.94	1,076.36	99.59	11.808		
4,300.00	4,259.49	4,247.52	4,246.99	13.42	91.94	-68.204	600.21	-1,239.57	1,168.03	1,066.21	101.82	11.471		
4,400.00	4,357.36	4,345.39	4,344.86	13.85	93.92	-69.127	600.21	-1,239.57	1,160.43	1,056.47	103.96	11.162		
4,500.00	4,455.24	4,443.27	4,442.74	14.27	95.89	-70.061	600.21	-1,239.57	1,153.14	1,047.05	106.09	10.869		
4,600.00	4,553.11	4,541.31	4,540.78	14.70	97.87	-70.964	601.11	-1,239.57	1,146.29	1,038.06	108.22	10.592		
4,700.00	4,650.99	4,639.44	4,638.90	15.14	99.85	-71.934	600.88	-1,239.57	1,139.61	1,029.26	110.35	10.327		
4,800.00	4,748.86	4,737.48	4,736.94	15.57	101.83	-72.924	600.44	-1,239.57	1,133.25	1,020.78	112.47	10.076		
4,900.00	4,846.73	4,834.79	4,834.23	16.01	103.63	-73.907	600.21	-1,239.57	1,127.26	1,012.85	114.41	9.853		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis 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
5,000.00	4,944.61	4,932.66	4,932.11	16.45	105.33	-74.893	600.21	-1,239.57	1,121.63	1,005.39	116.25	9.649	
5,100.00	5,042.48	5,030.54	5,029.99	16.89	107.03	-75.876	600.47	-1,239.57	1,116.37	998.28	118.08	9.454	
5,200.00	5,140.36	5,128.43	5,127.88	17.33	108.73	-76.884	600.41	-1,239.57	1,111.44	991.52	119.91	9.269	
5,300.00	5,238.23	5,226.28	5,225.73	17.78	110.43	-77.904	600.26	-1,239.57	1,106.87	985.12	121.74	9.092	
5,400.00	5,336.11	5,324.16	5,323.61	18.22	112.30	-78.928	600.21	-1,239.57	1,102.66	978.92	123.74	8.911	
5,500.00	5,433.98	5,422.04	5,421.48	18.67	114.23	-79.956	600.21	-1,239.57	1,098.83	973.02	125.81	8.734	
5,600.00	5,531.85	5,519.91	5,519.35	19.12	116.16	-80.990	600.21	-1,239.57	1,095.36	967.49	127.87	8.566	
5,700.00	5,629.73	5,617.74	5,617.18	19.57	118.09	-82.016	600.49	-1,239.57	1,092.25	962.31	129.94	8.406	
5,800.00	5,727.60	5,715.52	5,714.97	20.02	120.03	-83.065	600.40	-1,239.57	1,089.53	957.53	132.01	8.254	
5,900.00	5,825.48	5,813.28	5,812.72	20.47	121.96	-84.123	600.23	-1,239.57	1,087.22	953.14	134.08	8.109	
6,000.00	5,923.35	5,911.43	5,910.85	20.92	123.97	-85.181	600.21	-1,239.57	1,085.27	949.03	136.24	7.966	
6,100.00	6,021.23	6,009.31	6,008.73	21.38	125.99	-86.239	600.21	-1,239.57	1,083.70	945.29	138.41	7.830	
6,200.00	6,119.10	6,107.17	6,106.59	21.83	128.01	-87.252	601.13	-1,239.57	1,082.36	941.77	140.59	7.699	
6,300.00	6,216.97	6,204.60	6,204.01	22.29	130.02	-88.315	601.01	-1,239.57	1,081.57	938.81	142.77	7.576	
6,400.00	6,314.85	6,301.94	6,301.35	22.75	132.03	-89.390	600.68	-1,239.57	1,081.22	936.27	144.95	7.459	
6,428.18	6,342.43	6,329.35	6,328.76	22.88	132.60	-89.695	600.54	-1,239.57	1,081.21	935.64	145.57	7.427 CC	
6,500.00	6,412.72	6,400.85	6,400.22	23.20	134.07	-90.488	600.21	-1,239.57	1,081.30	934.13	147.17	7.347	
6,600.00	6,510.60	6,498.73	6,498.10	23.66	136.05	-91.552	600.21	-1,239.57	1,081.68	932.32	149.36	7.242	
6,700.00	6,608.55	6,596.68	6,596.05	24.10	138.04	-92.603	600.21	-1,239.57	1,082.42	930.90	151.52	7.144	
6,800.00	6,707.06	6,694.94	6,694.30	24.57	140.04	-93.470	601.08	-1,239.57	1,083.11	929.40	153.71	7.046	
6,900.00	6,806.10	6,793.25	6,792.61	25.01	142.03	-94.212	600.89	-1,239.57	1,084.10	928.21	155.89	6.954	
7,000.00	6,905.57	6,891.94	6,891.30	25.42	144.03	-94.786	600.45	-1,239.57	1,085.03	926.99	158.05	6.865	
7,100.00	7,005.33	6,993.51	6,992.83	25.80	146.13	-95.174	600.21	-1,239.57	1,085.70	925.41	160.29	6.773	
7,200.00	7,105.27	7,093.45	7,092.77	26.12	148.23	-95.354	600.21	-1,239.57	1,086.00	923.51	162.49	6.684	
7,299.25	7,204.51	7,192.57	7,191.89	26.19	150.31	-95.355	601.01	-1,239.57	1,085.83	921.23	164.60	6.597	
7,300.00	7,205.27	7,193.32	7,192.64	26.19	150.32	-107.767	601.01	-1,239.57	1,085.79	921.17	164.62	6.596	
7,400.00	7,305.27	7,292.46	7,291.77	26.23	152.40	-107.775	600.84	-1,239.57	1,085.84	919.07	166.77	6.511	
7,500.00	7,405.27	7,391.60	7,390.91	26.28	154.48	-107.797	600.41	-1,239.57	1,085.97	917.05	168.93	6.429	
7,600.00	7,505.27	7,493.52	7,492.77	26.32	156.71	-107.807	600.21	-1,239.57	1,086.03	914.79	171.25	6.342	
7,700.00	7,605.27	7,593.52	7,592.77	26.37	158.96	-107.807	600.21	-1,239.57	1,086.03	912.47	173.57	6.257	
7,785.92	7,691.19	7,679.45	7,678.68	26.41	160.89	-107.737	601.59	-1,239.57	1,085.61	910.05	175.56	6.184	
7,800.00	7,705.27	7,693.33	7,692.56	26.42	161.20	-107.737	601.59	-1,239.57	1,085.61	909.73	175.88	6.172	
7,900.00	7,805.27	7,791.96	7,791.18	26.46	163.41	-107.751	601.32	-1,239.57	1,085.69	907.52	178.17	6.094	
8,000.00	7,905.27	7,890.60	7,889.81	26.51	165.62	-107.785	600.64	-1,239.57	1,085.91	905.44	180.46	6.017	
8,100.00	8,005.27	7,993.64	7,992.77	26.56	168.05	-107.807	600.21	-1,239.57	1,086.03	903.06	182.97	5.936	
8,200.00	8,105.27	8,093.64	8,092.77	26.60	170.49	-107.807	600.21	-1,239.57	1,086.03	900.55	185.49	5.855	
8,283.31	8,188.58	8,176.91	8,176.03	26.64	172.52	-107.741	601.51	-1,239.57	1,085.63	898.06	187.58	5.788	
8,300.00	8,205.27	8,193.36	8,192.47	26.65	172.92	-107.742	601.51	-1,239.57	1,085.64	897.64	187.99	5.775	
8,400.00	8,305.27	8,291.90	8,291.01	26.70	175.32	-107.757	601.20	-1,239.57	1,085.73	895.26	190.47	5.700	
8,500.00	8,405.27	8,390.46	8,389.55	26.74	177.73	-107.795	600.45	-1,239.57	1,085.96	893.01	192.95	5.628	
8,600.00	8,505.27	8,493.84	8,492.77	26.79	180.41	-107.807	600.21	-1,239.57	1,086.03	890.32	195.71	5.549	
8,700.00	8,605.27	8,593.84	8,592.77	26.84	183.04	-107.807	600.21	-1,239.57	1,086.03	887.61	198.43	5.473	
8,738.09	8,643.36	8,631.40	8,630.30	26.86	184.03	-107.721	601.93	-1,239.57	1,085.51	886.07	199.44	5.443	
8,800.00	8,705.27	8,691.61	8,690.50	26.89	185.62	-107.733	601.67	-1,239.57	1,085.59	884.51	201.08	5.399	
8,900.00	8,805.27	8,788.89	8,787.75	26.94	188.18	-107.788	600.58	-1,239.57	1,085.93	882.21	203.72	5.331	
9,000.00	8,905.27	8,894.08	8,892.77	26.98	190.81	-107.807	600.21	-1,239.57	1,086.03	879.61	206.43	5.261	
9,100.00	9,005.27	8,994.08	8,992.77	27.03	193.26	-107.807	600.21	-1,239.57	1,086.03	877.07	208.96	5.197	
9,187.84	9,093.11	9,081.92	9,080.57	27.07	195.42	-107.689	602.56	-1,239.57	1,085.32	874.13	211.18	5.139	
9,200.00	9,105.27	9,093.84	9,092.48	27.08	195.72	-107.689	602.56	-1,239.57	1,085.32	873.83	211.49	5.132	
9,300.00	9,205.27	9,191.81	9,190.44	27.13	198.12	-107.708	602.17	-1,239.57	1,085.44	871.47	213.97	5.073	
9,400.00	9,305.27	9,289.82	9,288.42	27.18	200.53	-107.759	601.16	-1,239.57	1,085.75	869.29	216.46	5.016	
9,500.00	9,405.27	9,394.28	9,392.77	27.23	203.14	-107.807	600.21	-1,239.57	1,086.03	866.89	219.15	4.956	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
9,600.00	9,505.27	9,494.28	9,492.77	27.28	205.68	-107.807	600.21	-1,239.57	1,086.03	864.26	221.77	4.897	
9,610.00	9,515.28	9,504.28	9,502.78	27.28	205.94	162.361	600.21	-1,239.57	1,086.04	864.01	222.03	4.891	
9,700.00	9,605.27	9,594.28	9,592.77	27.33	208.23	162.361	600.21	-1,239.57	1,086.04	861.69	224.35	4.841	ES
9,800.00	9,704.71	9,693.72	9,692.21	27.30	210.76	162.238	600.21	-1,239.57	1,094.88	867.79	227.08	4.822	SF
9,900.00	9,801.04	9,790.04	9,788.54	27.25	213.21	161.852	600.21	-1,239.57	1,120.08	890.37	229.71	4.876	
10,000.00	9,891.31	9,880.32	9,878.81	27.22	215.50	161.097	600.21	-1,239.57	1,160.98	928.81	232.16	5.001	
10,100.00	9,972.80	9,892.00	9,890.27	27.22	215.80	158.779	600.21	-1,239.57	1,218.48	986.27	232.21	5.247	
10,200.00	10,043.02	9,892.00	9,890.27	27.30	215.80	154.342	600.21	-1,239.57	1,292.61	1,061.20	231.41	5.586	
10,300.00	10,099.85	9,892.00	9,890.27	27.48	215.80	145.810	600.21	-1,239.57	1,378.69	1,148.12	230.57	5.979	
10,400.00	10,141.54	9,892.00	9,890.27	27.80	215.80	127.402	600.21	-1,239.57	1,472.26	1,242.25	230.01	6.401	
10,500.00	10,166.85	9,892.00	9,890.27	28.27	215.80	88.916	600.21	-1,239.57	1,569.40	1,339.56	229.84	6.828	
10,600.00	10,175.00	9,892.00	9,890.27	28.90	215.80	50.402	600.21	-1,239.57	1,666.81	1,436.77	230.04	7.246	
10,700.00	10,175.00	9,892.00	9,890.27	29.65	215.80	50.402	600.21	-1,239.57	1,763.66	1,533.29	230.37	7.656	
10,800.00	10,175.00	9,892.00	9,890.27	30.53	215.80	50.402	600.21	-1,239.57	1,860.84	1,630.18	230.66	8.067	
10,900.00	10,175.00	9,892.00	9,890.27	31.52	215.80	50.402	600.21	-1,239.57	1,958.30	1,727.38	230.92	8.480	
11,000.00	10,175.00	9,892.00	9,890.27	32.61	215.80	50.402	600.21	-1,239.57	2,056.01	1,824.86	231.15	8.895	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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 (°)	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	-104.064	-391.03	-1,560.90	1,609.16				
100.00	100.00	90.50	90.50	0.79	1.91	-104.064	-391.03	-1,560.90	1,609.13	1,606.43	2.70	596.400	
200.00	200.00	190.50	190.50	1.45	4.03	-104.064	-391.03	-1,560.90	1,609.13	1,603.66	5.47	294.082	
300.00	300.00	290.50	290.50	1.89	6.09	-104.064	-391.03	-1,560.90	1,609.13	1,601.15	7.98	201.635	
385.99	385.99	376.49	376.49	2.20	7.82	-104.060	-390.90	-1,560.90	1,609.10	1,599.08	10.03	160.508	
400.00	400.00	390.40	390.40	2.25	8.10	-104.060	-390.90	-1,560.90	1,609.10	1,598.74	10.36	155.375	
500.00	500.00	489.71	489.71	2.57	10.10	-104.063	-391.01	-1,560.90	1,609.13	1,596.46	12.67	126.982	
588.48	588.48	578.82	578.78	2.82	11.94	-104.047	-390.53	-1,560.90	1,609.01	1,594.25	14.76	109.029	
600.00	600.00	589.63	589.59	2.85	12.16	-104.047	-390.54	-1,560.90	1,609.01	1,594.00	15.01	107.172	
700.00	700.00	688.26	688.18	3.11	14.16	-104.062	-390.98	-1,560.90	1,609.12	1,591.85	17.27	93.159	
759.91	759.91	750.49	750.41	3.25	15.57	-104.056	-390.79	-1,560.90	1,609.07	1,590.25	18.82	85.483	
800.00	800.00	788.26	788.18	3.35	16.44	-104.060	-390.90	-1,560.90	1,609.10	1,589.32	19.79	81.322	
898.73	898.73	889.31	889.18	3.57	19.05	-104.039	-390.31	-1,560.90	1,608.96	1,586.33	22.63	71.112 CC	
900.00	900.00	890.49	890.36	3.58	19.08	-104.039	-390.31	-1,560.90	1,608.96	1,586.30	22.66	71.005	
1,000.00	1,000.00	990.71	990.50	3.79	21.68	-104.064	-391.03	-1,560.90	1,609.13	1,583.66	25.47	63.173	
1,037.32	1,037.32	1,028.02	1,027.81	3.87	22.55	-104.049	-390.60	-1,560.90	1,609.03	1,582.61	26.42	60.900	
1,100.00	1,100.00	1,090.03	1,089.79	3.99	23.99	-104.063	-391.01	-1,560.90	1,609.13	1,581.15	27.98	57.505	
1,200.00	1,200.00	1,190.74	1,190.50	4.19	26.10	-104.064	-391.03	-1,560.90	1,609.13	1,578.84	30.29	53.118	
1,232.92	1,232.92	1,223.66	1,223.41	4.25	26.79	-104.045	-390.47	-1,560.90	1,609.00	1,577.95	31.05	51.824	
1,300.00	1,300.00	1,289.03	1,288.78	4.38	28.17	-104.050	-390.61	-1,560.90	1,609.03	1,576.48	32.55	49.436	
1,400.00	1,400.00	1,390.77	1,390.50	4.56	30.22	-104.064	-391.03	-1,560.90	1,609.13	1,574.35	34.78	46.260	
1,472.23	1,472.23	1,463.00	1,462.73	4.69	31.58	-104.052	-390.67	-1,560.90	1,609.05	1,572.78	36.27	44.363	
1,500.00	1,500.00	1,490.14	1,489.87	4.74	32.09	-104.052	-390.69	-1,560.90	1,609.05	1,572.22	36.83	43.689	
1,600.00	1,600.00	1,590.78	1,590.50	4.91	34.00	-104.064	-391.03	-1,560.90	1,609.13	1,570.22	38.91	41.354	
1,700.00	1,700.00	1,690.78	1,690.50	5.08	35.98	-104.064	-391.03	-1,560.90	1,609.13	1,568.08	41.06	39.194	
1,738.92	1,738.92	1,729.71	1,729.42	5.14	36.75	-104.052	-390.69	-1,560.90	1,609.05	1,567.16	41.89	38.412	
1,800.00	1,800.00	1,790.13	1,789.84	5.24	37.94	-104.054	-390.74	-1,560.90	1,609.06	1,565.88	43.18	37.261	
1,900.00	1,900.00	1,890.80	1,890.50	5.40	39.94	-104.064	-391.03	-1,560.90	1,609.13	1,563.79	45.34	35.491	
2,000.00	2,000.00	1,990.80	1,990.50	5.56	42.02	-104.064	-391.03	-1,560.90	1,609.13	1,561.55	47.58	33.821	
2,036.53	2,036.53	2,027.33	2,027.02	5.65	42.78	-91.622	-390.57	-1,560.90	1,609.03	1,560.63	48.40	33.247	
2,100.00	2,099.98	2,089.65	2,089.34	5.80	44.08	-91.677	-390.66	-1,560.90	1,609.09	1,559.30	49.79	32.319	
2,200.00	2,199.84	2,190.67	2,190.34	6.05	46.23	-91.874	-391.03	-1,560.90	1,609.35	1,557.26	52.09	30.897	
2,300.00	2,299.45	2,290.29	2,289.95	6.31	48.51	-92.176	-391.03	-1,560.90	1,609.66	1,555.15	54.51	29.530	
2,400.00	2,398.70	2,389.54	2,389.20	6.59	50.77	-92.596	-391.03	-1,560.90	1,610.17	1,553.25	56.92	28.287	
2,500.00	2,497.47	2,487.11	2,486.76	6.89	53.01	-93.090	-390.08	-1,560.90	1,610.70	1,551.41	59.30	27.164	
2,600.00	2,595.63	2,583.67	2,583.32	7.17	55.21	-93.735	-390.52	-1,560.90	1,611.99	1,550.36	61.63	26.157	
2,700.00	2,693.50	2,684.38	2,684.00	7.52	57.50	-94.484	-391.03	-1,560.90	1,613.64	1,549.48	64.16	25.152	
2,800.00	2,791.37	2,782.25	2,781.87	7.80	59.70	-95.194	-391.03	-1,560.90	1,615.40	1,548.90	66.51	24.290	
2,900.00	2,889.25	2,880.13	2,879.75	8.10	61.91	-95.902	-391.03	-1,560.90	1,617.43	1,548.57	68.86	23.488	
3,000.00	2,987.12	2,977.15	2,976.77	8.42	64.09	-96.588	-390.58	-1,560.90	1,619.56	1,548.36	71.20	22.747 ES	
3,100.00	3,085.00	3,074.01	3,073.63	8.76	66.27	-97.293	-390.83	-1,560.90	1,622.18	1,548.64	73.54	22.059	
3,200.00	3,182.87	3,173.81	3,173.37	9.10	68.50	-98.015	-391.03	-1,560.90	1,625.04	1,549.10	75.94	21.398	
3,300.00	3,280.75	3,271.68	3,271.25	9.46	70.69	-98.715	-391.03	-1,560.90	1,628.09	1,549.79	78.30	20.793	
3,400.00	3,378.62	3,369.56	3,369.12	9.82	72.87	-99.412	-391.03	-1,560.90	1,631.39	1,550.73	80.66	20.225	
3,500.00	3,476.49	3,465.01	3,464.55	10.20	75.01	-100.052	-389.84	-1,560.90	1,634.48	1,551.51	82.97	19.699	
3,600.00	3,574.37	3,560.13	3,559.67	10.58	77.13	-100.742	-390.41	-1,560.90	1,638.50	1,553.22	85.28	19.213	
3,700.00	3,672.24	3,663.24	3,662.74	10.97	79.38	-101.487	-391.03	-1,560.90	1,642.79	1,555.07	87.72	18.728	
3,800.00	3,770.12	3,761.12	3,760.62	11.37	81.41	-102.172	-391.03	-1,560.90	1,647.08	1,557.13	89.95	18.311	
3,900.00	3,867.99	3,858.99	3,858.49	11.77	83.45	-102.853	-391.03	-1,560.90	1,651.61	1,559.43	92.18	17.916	
4,000.00	3,965.87	3,955.62	3,955.12	12.18	85.46	-103.509	-390.59	-1,560.90	1,656.20	1,561.80	94.40	17.545	
4,100.00	4,063.74	4,052.13	4,051.63	12.59	87.46	-104.181	-390.84	-1,560.90	1,661.32	1,564.70	96.62	17.195	
4,200.00	4,161.61	4,152.66	4,152.11	13.00	89.57	-104.875	-391.03	-1,560.90	1,666.66	1,567.71	98.95	16.844	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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 (°)	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,300.00	4,259.49	4,250.53	4,249.99	13.42	91.64	-105.541	-391.03	-1,560.90	1,672.15	1,570.91	101.24	16.516	
4,400.00	4,357.36	4,347.86	4,347.30	13.85	93.70	-106.169	-390.03	-1,560.90	1,677.39	1,573.86	103.53	16.202	
4,500.00	4,455.24	4,442.74	4,442.18	14.27	95.71	-106.813	-390.27	-1,560.90	1,683.45	1,577.67	105.77	15.916	
4,600.00	4,553.11	4,537.49	4,536.93	14.70	97.71	-107.462	-390.85	-1,560.90	1,689.92	1,581.90	108.02	15.644	
4,700.00	4,650.99	4,642.09	4,641.49	15.14	99.75	-108.160	-391.03	-1,560.90	1,696.41	1,586.09	110.32	15.378	
4,800.00	4,748.86	4,739.96	4,739.36	15.57	101.66	-108.803	-391.03	-1,560.90	1,703.03	1,590.55	112.49	15.140	
4,900.00	4,846.73	4,837.62	4,837.02	16.01	103.57	-109.419	-390.28	-1,560.90	1,709.48	1,594.82	114.66	14.909	
5,000.00	4,944.61	4,932.97	4,932.36	16.45	105.44	-110.040	-390.43	-1,560.90	1,716.62	1,599.83	116.79	14.698	
5,100.00	5,042.48	5,028.21	5,027.60	16.89	107.30	-110.663	-390.84	-1,560.90	1,724.13	1,605.20	118.93	14.497	
5,200.00	5,140.36	5,131.48	5,130.86	17.33	109.39	-111.326	-391.03	-1,560.90	1,731.72	1,610.41	121.32	14.275	
5,300.00	5,238.23	5,229.36	5,228.73	17.78	111.41	-111.944	-391.03	-1,560.90	1,739.42	1,615.80	123.62	14.070	
5,400.00	5,336.11	5,326.91	5,326.28	18.22	113.42	-112.540	-390.49	-1,560.90	1,747.02	1,621.09	125.93	13.873	
5,500.00	5,433.98	5,423.04	5,422.41	18.67	115.40	-113.139	-390.60	-1,560.90	1,755.20	1,626.98	128.22	13.689	
5,600.00	5,531.85	5,519.11	5,518.48	19.12	117.38	-113.737	-390.88	-1,560.90	1,763.67	1,633.17	130.50	13.514	
5,700.00	5,629.73	5,620.90	5,620.23	19.57	119.58	-114.361	-391.03	-1,560.90	1,772.28	1,639.25	133.02	13.323	
5,800.00	5,727.60	5,718.77	5,718.10	20.02	121.75	-114.952	-391.03	-1,560.90	1,780.98	1,645.46	135.52	13.142	
5,900.00	5,825.48	5,815.26	5,814.58	20.47	123.89	-115.505	-390.07	-1,560.90	1,789.29	1,651.30	137.99	12.967	
6,000.00	5,923.35	5,909.01	5,908.32	20.92	125.98	-116.067	-390.36	-1,560.90	1,798.56	1,658.16	140.40	12.810	
6,100.00	6,021.23	6,012.48	6,011.73	21.38	128.27	-116.690	-391.03	-1,560.90	1,808.26	1,665.21	143.05	12.641	
6,200.00	6,119.10	6,110.36	6,109.60	21.83	130.38	-117.258	-391.03	-1,560.90	1,817.72	1,672.21	145.51	12.492	
6,300.00	6,216.97	6,208.23	6,207.47	22.29	132.50	-117.820	-391.03	-1,560.90	1,827.36	1,679.38	147.98	12.349	
6,400.00	6,314.85	6,302.76	6,301.98	22.75	134.54	-118.329	-389.83	-1,560.90	1,836.39	1,686.02	150.37	12.212	
6,500.00	6,412.72	6,395.31	6,394.53	23.20	136.54	-118.861	-390.29	-1,560.90	1,846.70	1,693.97	152.73	12.091	
6,600.00	6,510.60	6,501.93	6,501.10	23.66	138.83	-119.472	-391.03	-1,560.90	1,857.35	1,701.95	155.40	11.952	
6,700.00	6,608.55	6,599.88	6,599.05	24.10	140.87	-120.083	-391.03	-1,560.90	1,867.50	1,709.71	157.79	11.836	
6,800.00	6,707.06	6,698.39	6,697.56	24.57	142.92	-120.684	-391.03	-1,560.90	1,876.29	1,716.09	160.19	11.713	
6,900.00	6,806.10	6,794.49	6,793.65	25.01	144.92	-121.138	-390.36	-1,560.90	1,882.93	1,720.42	162.51	11.587	
7,000.00	6,905.57	6,890.43	6,889.59	25.42	146.91	-121.498	-390.70	-1,560.90	1,888.54	1,723.75	164.79	11.460	
7,100.00	7,005.33	6,996.72	6,995.83	25.80	149.13	-121.755	-391.03	-1,560.90	1,892.33	1,725.06	167.26	11.314	
7,200.00	7,105.27	7,096.66	7,095.77	26.12	151.21	-121.870	-391.03	-1,560.90	1,894.07	1,724.53	169.54	11.172	
7,293.79	7,199.06	7,186.28	7,185.39	26.18	153.07	-121.879	-390.37	-1,560.90	1,894.02	1,722.57	171.45	11.047	
7,300.00	7,205.27	7,192.11	7,191.21	26.19	153.19	-134.302	-390.39	-1,560.90	1,893.81	1,722.24	171.57	11.038	
7,400.00	7,305.27	7,285.94	7,285.04	26.23	155.15	-134.314	-390.93	-1,560.90	1,894.21	1,720.64	173.57	10.913	
7,500.00	7,405.27	7,396.71	7,395.77	26.28	157.85	-134.316	-391.03	-1,560.90	1,894.25	1,717.90	176.36	10.741	
7,600.00	7,505.27	7,496.71	7,495.77	26.32	160.33	-134.316	-391.03	-1,560.90	1,894.25	1,715.35	178.90	10.588	
7,651.81	7,557.08	7,548.34	7,547.39	26.35	161.61	-134.293	-389.96	-1,560.90	1,893.50	1,713.29	180.21	10.507	
7,700.00	7,605.27	7,594.38	7,593.43	26.37	162.75	-134.294	-390.00	-1,560.90	1,893.53	1,712.16	181.38	10.440	
7,800.00	7,705.27	7,689.93	7,688.97	26.42	165.12	-134.301	-390.33	-1,560.90	1,893.78	1,709.97	183.80	10.303	
7,900.00	7,805.27	7,796.89	7,795.77	26.46	167.80	-134.316	-391.03	-1,560.90	1,894.25	1,707.69	186.57	10.153	
7,991.58	7,896.85	7,888.07	7,886.94	26.51	170.55	-134.298	-390.20	-1,560.90	1,893.67	1,704.31	189.36	10.000	
8,000.00	7,905.27	7,894.85	7,893.72	26.51	170.75	-134.298	-390.21	-1,560.90	1,893.68	1,704.11	189.57	9.989	
8,100.00	8,005.27	7,997.07	7,995.77	26.56	173.83	-134.316	-391.03	-1,560.90	1,894.25	1,701.53	192.72	9.829	
8,200.00	8,105.27	8,097.07	8,095.77	26.60	176.86	-134.316	-391.03	-1,560.90	1,894.25	1,698.44	195.81	9.674	
8,285.75	8,191.03	8,182.82	8,181.46	26.64	179.46	-134.259	-388.40	-1,560.90	1,892.42	1,693.96	198.46	9.536	
8,300.00	8,205.27	8,194.99	8,193.62	26.65	179.83	-134.259	-388.41	-1,560.90	1,892.43	1,693.59	198.83	9.518	
8,400.00	8,305.27	8,280.44	8,279.03	26.70	182.42	-134.273	-389.02	-1,560.90	1,892.92	1,691.46	201.46	9.396	
8,500.00	8,405.27	8,397.42	8,395.77	26.74	185.91	-134.316	-391.03	-1,560.90	1,894.25	1,689.20	205.05	9.238	
8,600.00	8,505.27	8,497.42	8,495.77	26.79	188.51	-134.316	-391.03	-1,560.90	1,894.25	1,686.53	207.72	9.119	
8,700.00	8,605.27	8,597.42	8,595.77	26.84	191.12	-134.316	-391.03	-1,560.90	1,894.25	1,683.86	210.39	9.003	
8,741.38	8,646.65	8,638.40	8,636.71	26.86	192.19	-134.275	-389.13	-1,560.90	1,892.92	1,681.45	211.48	8.951	
8,800.00	8,705.27	8,692.66	8,690.97	26.89	193.60	-134.277	-389.23	-1,560.90	1,893.00	1,680.08	212.92	8.891	
8,900.00	8,805.27	8,785.23	8,783.52	26.94	196.01	-134.290	-389.83	-1,560.90	1,893.46	1,678.07	215.39	8.791	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
9,000.00	8,905.27	8,897.63	8,895.77	26.98	198.92	-134.316	-391.03	-1,560.90	1,894.25	1,675.86	218.39	8.674	
9,100.00	9,005.27	8,997.63	8,995.77	27.03	201.43	-134.316	-391.03	-1,560.90	1,894.25	1,673.29	220.96	8.573	
9,200.00	9,105.27	9,097.63	9,095.77	27.08	203.93	-134.316	-391.03	-1,560.90	1,894.25	1,670.72	223.53	8.474	
9,300.00	9,205.27	9,197.63	9,195.77	27.13	206.44	-134.316	-391.03	-1,560.90	1,894.25	1,668.15	226.10	8.378	
9,400.00	9,305.27	9,297.63	9,295.77	27.18	208.94	-134.316	-391.03	-1,560.90	1,894.25	1,665.58	228.67	8.284	
9,403.70	9,308.98	9,301.33	9,299.48	27.18	209.04	-134.316	-391.03	-1,560.90	1,894.25	1,665.49	228.77	8.280	
9,500.00	9,405.27	9,357.00	9,354.98	27.23	210.43	-134.316	-391.03	-1,560.90	1,894.69	1,664.57	230.12	8.233 SF	
9,600.00	9,505.27	9,357.00	9,354.98	27.28	210.43	-134.316	-391.03	-1,560.90	1,899.48	1,669.95	229.53	8.276	
9,700.00	9,605.27	9,357.00	9,354.98	27.33	210.43	135.823	-391.03	-1,560.90	1,909.50	1,681.15	228.35	8.362	
9,800.00	9,704.71	9,357.00	9,354.98	27.30	210.43	134.251	-391.03	-1,560.90	1,931.13	1,704.29	226.83	8.513	
9,900.00	9,801.04	9,357.00	9,354.98	27.25	210.43	131.234	-391.03	-1,560.90	1,969.01	1,744.05	224.96	8.753	
10,000.00	9,891.31	9,357.00	9,354.98	27.22	210.43	126.462	-391.03	-1,560.90	2,021.13	1,798.17	222.96	9.065	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	49.108	932.97	1,077.36	1,425.18					
100.00	100.00	97.50	97.50	0.79	3.44	49.108	932.97	1,077.36	1,425.18	1,420.95	4.23	336.928		
200.00	200.00	197.50	197.50	1.45	6.98	49.108	932.97	1,077.36	1,425.18	1,416.75	8.42	169.201		
300.00	300.00	297.50	297.50	1.89	10.51	49.108	932.97	1,077.36	1,425.18	1,412.78	12.40	114.923		
400.00	400.00	397.50	397.50	2.25	14.04	49.108	932.97	1,077.36	1,425.18	1,408.88	16.30	87.457		
500.00	500.00	497.50	497.50	2.57	17.57	49.108	932.97	1,077.36	1,425.18	1,405.04	20.14	70.755		
600.00	600.00	597.51	597.50	2.85	19.78	49.108	932.97	1,077.36	1,425.18	1,402.54	22.63	62.967		
700.00	700.00	698.14	698.13	3.11	21.02	49.099	933.26	1,077.36	1,425.37	1,401.24	24.13	59.068		
800.00	800.00	801.21	801.20	3.35	22.29	49.106	933.02	1,077.36	1,425.22	1,399.58	25.64	55.584		
848.01	848.01	845.52	845.51	3.46	24.13	49.108	932.97	1,077.36	1,425.18	1,397.59	27.59	51.663		
900.00	900.00	897.51	897.50	3.58	26.90	49.108	932.97	1,077.36	1,425.18	1,394.70	30.47	46.767		
1,000.00	1,000.00	997.51	997.50	3.79	32.23	49.108	932.97	1,077.36	1,425.18	1,389.16	36.02	39.571		
1,100.00	1,100.00	1,097.51	1,097.50	3.99	37.55	49.108	932.97	1,077.36	1,425.18	1,383.63	41.55	34.302		
1,200.00	1,200.00	1,197.51	1,197.50	4.19	42.88	49.108	932.97	1,077.36	1,425.18	1,378.11	47.07	30.277		
1,300.00	1,300.00	1,297.51	1,297.50	4.38	48.21	49.108	932.97	1,077.36	1,425.18	1,372.59	52.59	27.101		
1,400.00	1,400.00	1,397.69	1,397.67	4.56	53.55	49.090	933.55	1,077.36	1,425.56	1,367.45	58.11	24.533		
1,500.00	1,500.00	1,498.07	1,498.05	4.74	58.89	49.092	933.51	1,077.36	1,425.53	1,361.90	63.63	22.402		
1,600.00	1,600.00	1,598.45	1,598.43	4.91	64.24	49.094	933.43	1,077.36	1,425.48	1,356.33	69.15	20.614		
1,700.00	1,700.00	1,698.83	1,698.81	5.08	69.59	49.098	933.31	1,077.36	1,425.40	1,350.73	74.67	19.090		
1,800.00	1,800.00	1,799.21	1,799.20	5.24	74.94	49.103	933.15	1,077.36	1,425.30	1,345.12	80.18	17.776		
1,900.00	1,900.00	1,897.58	1,897.50	5.40	79.87	49.108	932.97	1,077.36	1,425.18	1,339.90	85.27	16.713		
2,000.00	2,000.00	1,997.58	1,997.50	5.56	81.17	49.108	932.97	1,077.36	1,425.18	1,338.45	86.73	16.433		
2,100.00	2,099.98	2,097.56	2,097.48	5.80	82.46	61.619	932.97	1,077.36	1,424.35	1,336.15	88.19	16.150		
2,200.00	2,199.84	2,199.19	2,199.09	6.05	83.78	61.820	934.03	1,077.36	1,422.55	1,332.87	89.68	15.862		
2,300.00	2,299.45	2,302.06	2,301.95	6.31	85.11	62.228	933.65	1,077.36	1,418.21	1,327.03	91.19	15.553		
2,400.00	2,398.70	2,404.46	2,404.35	6.59	86.44	62.808	932.91	1,077.36	1,412.09	1,319.41	92.68	15.236		
2,500.00	2,497.47	2,495.13	2,494.97	6.89	87.76	63.455	932.97	1,077.36	1,404.96	1,310.78	94.18	14.917		
2,600.00	2,595.63	2,593.29	2,593.13	7.17	89.19	64.285	932.97	1,077.36	1,396.44	1,300.68	95.76	14.583		
2,700.00	2,693.50	2,692.37	2,692.20	7.52	90.62	65.009	934.05	1,077.36	1,388.17	1,290.72	97.44	14.246		
2,800.00	2,791.37	2,793.12	2,792.94	7.80	92.08	65.801	933.73	1,077.36	1,379.28	1,280.22	99.07	13.923		
2,900.00	2,889.25	2,893.74	2,893.55	8.10	93.54	66.613	933.07	1,077.36	1,370.46	1,269.77	100.69	13.611		
3,000.00	2,987.12	2,984.86	2,984.62	8.42	94.78	67.339	932.97	1,077.36	1,362.21	1,260.10	102.10	13.341		
3,100.00	3,085.00	3,084.46	3,084.21	8.76	96.13	68.119	933.55	1,077.36	1,354.63	1,251.01	103.62	13.073		
3,200.00	3,182.87	3,187.02	3,186.77	9.10	97.51	68.971	933.00	1,077.36	1,346.68	1,241.51	105.17	12.805		
3,300.00	3,280.75	3,278.53	3,278.25	9.46	98.81	69.724	932.97	1,077.36	1,339.26	1,232.62	106.64	12.559		
3,400.00	3,378.62	3,378.65	3,378.36	9.82	100.23	70.535	933.49	1,077.36	1,332.44	1,224.21	108.23	12.311		
3,500.00	3,476.49	3,474.32	3,473.99	10.20	101.60	71.355	932.97	1,077.36	1,325.33	1,215.57	109.76	12.074		
3,600.00	3,574.37	3,572.19	3,571.87	10.58	103.08	72.183	932.97	1,077.36	1,318.79	1,207.38	111.41	11.838		
3,700.00	3,672.24	3,671.71	3,671.38	10.97	104.58	73.010	933.61	1,077.36	1,312.85	1,199.78	113.07	11.611		
3,800.00	3,770.12	3,773.08	3,772.74	11.37	106.11	73.903	933.07	1,077.36	1,306.63	1,191.87	114.76	11.385		
3,900.00	3,867.99	3,865.86	3,865.49	11.77	107.67	74.713	932.97	1,077.36	1,300.91	1,184.43	116.49	11.168		
4,000.00	3,965.87	3,963.85	3,963.47	12.18	109.34	75.542	933.73	1,077.36	1,295.89	1,177.58	118.32	10.953		
4,100.00	4,063.74	4,064.62	4,064.23	12.59	111.06	76.442	933.46	1,077.36	1,290.70	1,170.52	120.19	10.739		
4,200.00	4,161.61	4,159.57	4,159.11	13.00	112.68	77.305	932.97	1,077.36	1,285.73	1,163.76	121.97	10.541		
4,300.00	4,259.49	4,257.45	4,256.99	13.42	114.39	78.182	932.97	1,077.36	1,281.28	1,157.46	123.83	10.347		
4,400.00	4,357.36	4,359.20	4,358.72	13.85	116.16	79.074	933.60	1,077.36	1,277.41	1,151.66	125.75	10.158		
4,500.00	4,455.24	4,453.26	4,452.74	14.27	117.77	79.952	932.97	1,077.36	1,273.34	1,145.82	127.52	9.986		
4,600.00	4,553.11	4,551.14	4,550.61	14.70	119.41	80.844	932.97	1,077.36	1,269.85	1,140.54	129.31	9.820		
4,700.00	4,650.99	4,651.31	4,650.77	15.14	121.09	81.744	933.40	1,077.36	1,266.83	1,135.69	131.14	9.660		
4,800.00	4,748.86	4,746.93	4,746.36	15.57	122.71	82.642	932.97	1,077.36	1,263.83	1,130.93	132.90	9.509		
4,900.00	4,846.73	4,844.81	4,844.23	16.01	124.39	83.546	932.97	1,077.36	1,261.31	1,126.58	134.73	9.362		
5,000.00	4,944.61	4,944.80	4,944.22	16.45	126.10	84.457	933.36	1,077.36	1,259.24	1,122.65	136.60	9.219		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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 (°)	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,042.48	5,040.60	5,039.98	16.89	127.75	85.365	932.97	1,077.36	1,257.26	1,118.86	138.40	9.084	
5,200.00	5,140.36	5,138.51	5,137.89	17.33	129.46	86.252	933.57	1,077.36	1,255.90	1,115.64	140.27	8.954	
5,300.00	5,238.23	5,238.51	5,237.89	17.78	131.20	87.201	933.24	1,077.36	1,254.62	1,112.45	142.17	8.825	
5,400.00	5,336.11	5,334.26	5,333.61	18.22	132.90	88.109	932.97	1,077.36	1,253.68	1,109.65	144.03	8.704	
5,500.00	5,433.98	5,432.14	5,431.48	18.67	134.65	89.026	932.97	1,077.36	1,253.16	1,107.21	145.95	8.586	
5,600.00	5,531.85	5,531.51	5,530.84	19.12	136.43	89.940	933.39	1,077.36	1,253.06	1,105.16	147.90	8.472	
5,658.25	5,588.86	5,589.30	5,588.63	19.38	137.46	90.499	932.99	1,077.36	1,253.02	1,103.98	149.04	8.407	
5,700.00	5,629.73	5,627.93	5,627.23	19.57	138.16	90.862	932.97	1,077.36	1,253.12	1,103.30	149.82	8.364	
5,800.00	5,727.60	5,725.81	5,725.10	20.02	139.93	91.779	932.97	1,077.36	1,253.60	1,101.83	151.77	8.260	
5,900.00	5,825.48	5,824.87	5,824.16	20.47	141.72	92.691	933.34	1,077.36	1,254.48	1,100.73	153.75	8.159	
6,000.00	5,923.35	5,921.60	5,920.85	20.92	143.48	93.611	932.97	1,077.36	1,255.57	1,099.86	155.71	8.063	
6,100.00	6,021.23	6,019.47	6,018.73	21.38	145.27	94.524	932.97	1,077.36	1,257.06	1,099.35	157.71	7.970	
6,200.00	6,119.10	6,118.28	6,117.52	21.83	147.08	95.429	933.30	1,077.36	1,258.92	1,099.18	159.74	7.881	
6,300.00	6,216.97	6,215.27	6,214.47	22.29	148.87	96.343	932.97	1,077.36	1,261.03	1,099.27	161.76	7.796	
6,400.00	6,314.85	6,313.16	6,312.36	22.75	150.69	97.220	933.61	1,077.36	1,263.56	1,099.75	163.81	7.714	
6,500.00	6,412.72	6,411.58	6,410.78	23.20	152.52	98.140	933.31	1,077.36	1,266.34	1,100.45	165.88	7.634	
6,600.00	6,510.60	6,508.93	6,508.10	23.66	154.33	99.047	932.97	1,077.36	1,269.44	1,101.49	167.96	7.558	
6,700.00	6,608.55	6,606.91	6,606.06	24.10	156.17	99.929	933.59	1,077.36	1,272.86	1,102.83	170.02	7.486	
6,800.00	6,707.06	6,705.64	6,704.79	24.57	158.02	100.756	933.25	1,077.36	1,275.98	1,103.85	172.12	7.413	
6,900.00	6,806.10	6,804.48	6,803.60	25.01	159.87	101.418	932.97	1,077.36	1,278.63	1,104.43	174.20	7.340	
7,000.00	6,905.57	6,903.99	6,903.10	25.42	161.74	101.885	933.45	1,077.36	1,280.73	1,104.46	176.27	7.266	
7,100.00	7,005.33	7,003.75	7,002.83	25.80	163.63	102.231	932.97	1,077.36	1,282.14	1,103.83	178.32	7.190	
7,200.00	7,105.27	7,103.69	7,102.77	26.12	165.54	102.389	932.97	1,077.36	1,282.85	1,102.49	180.36	7.113	
7,300.00	7,205.27	7,203.70	7,202.78	26.19	167.45	89.945	933.56	1,077.36	1,282.93	1,100.62	182.31	7.037	
7,400.00	7,305.27	7,303.74	7,302.77	26.23	169.37	89.971	932.97	1,077.36	1,282.93	1,098.62	184.30	6.961	
7,500.00	7,405.27	7,403.74	7,402.77	26.28	171.29	89.971	932.97	1,077.36	1,282.93	1,096.63	186.30	6.886	
7,600.00	7,505.27	7,503.75	7,502.78	26.32	173.22	89.946	933.54	1,077.36	1,282.93	1,094.63	188.30	6.813	
7,700.00	7,605.27	7,603.78	7,602.77	26.37	175.15	89.971	932.97	1,077.36	1,282.93	1,092.62	190.31	6.741	
7,800.00	7,705.27	7,703.78	7,702.77	26.42	177.29	89.971	932.97	1,077.36	1,282.93	1,090.40	192.52	6.664	
7,900.00	7,805.27	7,803.81	7,802.79	26.46	179.44	89.968	933.04	1,077.36	1,282.93	1,088.19	194.74	6.588	
7,935.00	7,840.28	7,838.85	7,837.78	26.48	180.19	89.971	932.97	1,077.36	1,282.93	1,087.41	195.52	6.562	
8,000.00	7,905.27	7,903.85	7,902.77	26.51	181.60	89.971	932.97	1,077.36	1,282.93	1,085.95	196.98	6.513	
8,100.00	8,005.27	8,003.89	8,002.79	26.56	183.77	89.936	933.77	1,077.36	1,282.93	1,083.71	199.21	6.440	
8,200.00	8,105.27	8,103.92	8,102.77	26.60	185.88	89.971	932.97	1,077.36	1,282.93	1,081.53	201.40	6.370	
8,300.00	8,205.27	8,203.92	8,202.77	26.65	187.83	89.971	932.97	1,077.36	1,282.93	1,079.50	203.43	6.306	
8,400.00	8,305.27	8,303.95	8,302.79	26.70	189.79	89.956	933.32	1,077.36	1,282.93	1,077.47	205.46	6.244	
8,456.13	8,361.40	8,360.10	8,358.90	26.72	190.87	89.971	932.97	1,077.36	1,282.93	1,076.34	206.59	6.210	
8,500.00	8,405.27	8,403.96	8,402.77	26.74	191.67	89.971	932.97	1,077.36	1,282.93	1,075.51	207.42	6.185	
8,600.00	8,505.27	8,503.97	8,502.77	26.79	193.49	89.943	933.61	1,077.36	1,282.93	1,073.62	209.31	6.129	
8,700.00	8,605.27	8,603.99	8,602.79	26.84	195.31	89.957	933.29	1,077.36	1,282.93	1,071.72	211.20	6.074	
8,748.15	8,653.42	8,652.14	8,650.92	26.86	196.17	89.971	932.97	1,077.36	1,282.93	1,070.82	212.11	6.049	
8,800.00	8,705.27	8,703.99	8,702.77	26.89	197.04	89.971	932.97	1,077.36	1,282.93	1,069.92	213.01	6.023	
8,900.00	8,805.27	8,803.99	8,802.77	26.94	198.71	89.958	933.26	1,077.36	1,282.93	1,068.17	214.75	5.974	
9,000.00	8,905.27	8,904.00	8,902.78	26.98	200.38	89.968	933.04	1,077.36	1,282.93	1,066.43	216.50	5.926	
9,038.38	8,943.65	8,942.38	8,941.15	27.00	201.05	89.971	932.97	1,077.36	1,282.93	1,065.73	217.20	5.907	
9,100.00	9,005.27	9,004.00	9,002.77	27.03	202.17	89.971	932.97	1,077.36	1,282.93	1,064.56	218.37	5.875	
9,200.00	9,105.27	9,104.01	9,102.78	27.08	203.99	89.964	933.12	1,077.36	1,282.93	1,062.66	220.26	5.825	
9,250.33	9,155.60	9,154.35	9,153.10	27.11	204.91	89.971	932.97	1,077.36	1,282.93	1,061.71	221.21	5.799	
9,300.00	9,205.27	9,204.03	9,202.78	27.13	205.81	89.966	933.08	1,077.36	1,282.93	1,060.77	222.15	5.775	
9,347.15	9,252.42	9,251.18	9,249.92	27.15	206.62	89.971	932.97	1,077.36	1,282.93	1,059.92	223.00	5.753	
9,400.00	9,305.27	9,304.03	9,302.77	27.18	207.52	89.971	932.97	1,077.36	1,282.93	1,058.99	223.94	5.729	
9,500.00	9,405.27	9,404.03	9,402.77	27.23	209.20	89.958	933.26	1,077.36	1,282.93	1,057.23	225.70	5.684	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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)		
9,600.00	9,505.27	9,504.04	9,502.78	27.28	210.89	89.971	932.98	1,077.36	1,282.93	1,055.46	227.46	5.640
9,700.00	9,605.27	9,604.04	9,602.77	27.33	212.57	0.139	932.97	1,077.36	1,282.92	1,053.74	229.17	5.598
9,800.00	9,704.71	9,619.00	9,617.73	27.30	212.82	0.140	932.97	1,077.36	1,276.45	1,047.48	228.97	5.575
9,900.00	9,801.04	9,619.00	9,617.73	27.25	212.82	0.145	932.97	1,077.36	1,260.30	1,033.03	227.26	5.546
10,000.00	9,891.31	9,619.00	9,617.73	27.22	212.82	0.151	932.97	1,077.36	1,234.67	1,010.30	224.37	5.503
10,100.00	9,972.80	9,619.00	9,617.73	27.22	212.82	0.162	932.97	1,077.36	1,199.77	979.41	220.36	5.445
10,200.00	10,043.02	9,619.00	9,617.73	27.30	212.82	0.176	932.97	1,077.36	1,155.88	940.57	215.31	5.369
10,300.00	10,099.85	9,619.00	9,617.73	27.48	212.82	0.196	932.97	1,077.36	1,103.34	894.06	209.29	5.272
10,400.00	10,141.54	9,619.00	9,617.73	27.80	212.82	0.224	932.97	1,077.36	1,042.59	840.17	202.42	5.151
10,500.00	10,166.85	9,619.00	9,617.73	28.27	212.82	0.264	932.97	1,077.36	974.11	779.27	194.84	5.000
10,600.00	10,175.00	9,619.00	9,617.73	28.90	212.82	0.321	932.97	1,077.36	898.47	711.74	186.73	4.812
10,700.00	10,175.00	9,619.00	9,617.73	29.65	212.82	0.321	932.97	1,077.36	822.14	645.02	177.12	4.642
10,800.00	10,175.00	9,619.00	9,617.73	30.53	212.82	0.321	932.97	1,077.36	751.37	586.75	164.62	4.564
10,849.02	10,175.00	9,619.00	9,617.73	31.02	212.82	0.321	932.97	1,077.36	719.23	562.03	157.19	4.575
10,900.00	10,175.00	9,619.00	9,617.73	31.52	212.82	0.321	932.97	1,077.36	687.91	539.51	148.40	4.635
10,945.77	10,175.00	9,619.00	9,617.73	32.02	212.82	0.321	932.97	1,077.36	661.87	522.37	139.51	4.744
11,000.00	10,175.00	9,619.00	9,617.73	32.61	212.82	0.321	932.97	1,077.36	633.93	506.27	127.66	4.966
11,042.23	10,175.00	9,619.00	9,617.73	33.11	212.82	0.321	932.97	1,077.36	614.61	497.14	117.47	5.232
11,100.00	10,175.00	9,619.00	9,617.73	33.79	212.82	0.321	932.97	1,077.36	592.05	489.79	102.26	5.790
11,138.29	10,175.00	9,619.00	9,617.73	34.28	212.82	0.321	932.97	1,077.36	579.79	488.19	91.60	6.329
11,200.00	10,175.00	9,619.00	9,617.73	35.06	212.82	0.321	932.97	1,077.36	564.95	490.55	74.40	7.593
11,233.86	10,175.00	9,619.00	9,617.73	35.51	212.82	0.321	932.97	1,077.36	559.55	493.63	65.91	8.489
11,300.00	10,175.00	9,619.00	9,617.73	36.40	212.82	0.321	932.97	1,077.36	554.82	498.22	56.60	9.802
11,306.68	10,175.00	9,619.00	9,617.73	36.49	212.82	0.321	932.97	1,077.36	554.78	498.22	56.56	9.809 CC
11,400.00	10,175.00	9,619.00	9,617.73	37.80	212.82	0.321	932.97	1,077.36	562.57	490.09	72.47	7.762
11,500.00	10,175.00	9,619.00	9,617.73	39.27	212.82	0.321	932.97	1,077.36	587.48	485.83	101.65	5.780 ES
11,600.00	10,175.00	9,619.00	9,617.73	40.78	212.82	0.321	932.97	1,077.36	627.52	498.78	128.74	4.874
11,700.00	10,175.00	9,619.00	9,617.73	42.35	212.82	0.321	932.97	1,077.36	680.03	529.14	150.89	4.507
11,800.00	10,175.00	9,619.00	9,617.73	43.95	212.82	0.321	932.97	1,077.36	742.36	574.24	168.11	4.416 SF
11,900.00	10,175.00	9,619.00	9,617.73	45.59	212.82	0.321	932.97	1,077.36	812.25	630.99	181.26	4.481
12,000.00	10,175.00	9,619.00	9,617.73	47.27	212.82	0.321	932.97	1,077.36	887.92	696.67	191.25	4.643
12,100.00	10,175.00	9,619.00	9,617.73	48.98	212.82	0.321	932.97	1,077.36	968.01	769.14	198.88	4.867
12,200.00	10,175.00	9,619.00	9,617.73	50.71	212.82	0.321	932.97	1,077.36	1,051.53	846.76	204.76	5.135
12,300.00	10,175.00	9,619.00	9,617.73	52.47	212.82	0.321	932.97	1,077.36	1,137.70	928.34	209.36	5.434
12,400.00	10,175.00	9,619.00	9,617.73	54.25	212.82	0.321	932.97	1,077.36	1,225.97	1,012.99	212.99	5.756
12,500.00	10,175.00	9,619.00	9,617.73	56.05	212.82	0.321	932.97	1,077.36	1,315.93	1,100.03	215.89	6.095
12,600.00	10,175.00	9,619.00	9,617.73	57.86	212.82	0.321	932.97	1,077.36	1,407.24	1,188.99	218.25	6.448
12,700.00	10,175.00	9,619.00	9,617.73	59.70	212.82	0.321	932.97	1,077.36	1,499.66	1,279.48	220.18	6.811
12,800.00	10,175.00	9,619.00	9,617.73	61.55	212.82	0.321	932.97	1,077.36	1,592.99	1,371.21	221.78	7.183
12,900.00	10,175.00	9,619.00	9,617.73	63.41	212.82	0.321	932.97	1,077.36	1,687.09	1,463.96	223.13	7.561
13,000.00	10,175.00	9,619.00	9,617.73	65.29	212.82	0.321	932.97	1,077.36	1,781.83	1,557.57	224.27	7.945
13,100.00	10,175.00	9,619.00	9,617.73	67.17	212.82	0.321	932.97	1,077.36	1,877.12	1,651.88	225.24	8.334
13,200.00	10,175.00	9,619.00	9,617.73	69.07	212.82	0.321	932.97	1,077.36	1,972.88	1,746.80	226.08	8.727

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 (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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	
10,700.00	10,175.00	9,450.00	9,447.08	29.65	225.24	0.351	935.43	2,395.99	2,060.69	1,832.97	227.72	9.049	
10,800.00	10,175.00	9,450.00	9,447.08	30.53	225.24	0.351	935.43	2,395.99	1,967.58	1,741.29	226.29	8.695	
10,900.00	10,175.00	9,450.00	9,447.08	31.52	225.24	0.351	935.43	2,395.99	1,875.18	1,650.51	224.66	8.347	
11,000.00	10,175.00	9,450.00	9,447.08	32.61	225.24	0.351	935.43	2,395.99	1,783.60	1,560.80	222.79	8.006	
11,100.00	10,175.00	9,450.00	9,447.08	33.79	225.24	0.351	935.43	2,395.99	1,692.97	1,472.33	220.63	7.673	
11,200.00	10,175.00	9,450.00	9,447.08	35.06	225.24	0.351	935.43	2,395.99	1,603.46	1,385.33	218.13	7.351	
11,300.00	10,175.00	9,450.00	9,447.08	36.40	225.24	0.351	935.43	2,395.99	1,515.25	1,300.07	215.19	7.042	
11,400.00	10,175.00	9,450.00	9,447.08	37.80	225.24	0.351	935.43	2,395.99	1,428.61	1,216.88	211.72	6.747	
11,500.00	10,175.00	9,450.00	9,447.08	39.27	225.24	0.351	935.43	2,395.99	1,343.82	1,136.21	207.61	6.473	
11,600.00	10,175.00	9,450.00	9,447.08	40.78	225.24	0.351	935.43	2,395.99	1,261.26	1,058.58	202.68	6.223	
11,700.00	10,175.00	9,450.00	9,447.08	42.35	225.24	0.351	935.43	2,395.99	1,181.40	984.65	196.74	6.005	
11,800.00	10,175.00	9,450.00	9,447.08	43.95	225.24	0.351	935.43	2,395.99	1,104.82	915.29	189.53	5.829	
11,900.00	10,175.00	9,450.00	9,447.08	45.59	225.24	0.351	935.43	2,395.99	1,032.26	851.53	180.73	5.712	
11,950.29	10,175.00	9,450.00	9,447.08	46.44	225.24	0.351	935.43	2,395.99	997.56	821.97	175.59	5.681	
12,000.00	10,175.00	9,450.00	9,447.08	47.27	225.24	0.351	935.43	2,395.99	964.61	794.65	169.96	5.675	
12,047.93	10,175.00	9,450.00	9,447.08	48.09	225.24	0.351	935.43	2,395.99	934.25	770.26	163.99	5.697	
12,100.00	10,175.00	9,450.00	9,447.08	48.98	225.24	0.351	935.43	2,395.99	903.00	746.17	156.82	5.758	
12,145.44	10,175.00	9,450.00	9,447.08	49.76	225.24	0.351	935.43	2,395.99	877.34	727.37	149.96	5.850	
12,200.00	10,175.00	9,450.00	9,447.08	50.71	225.24	0.351	935.43	2,395.99	848.72	707.79	140.94	6.022	
12,242.77	10,175.00	9,450.00	9,447.08	51.46	225.24	0.351	935.43	2,395.99	828.11	694.87	133.25	6.215	
12,300.00	10,175.00	9,450.00	9,447.08	52.47	225.24	0.351	935.43	2,395.99	803.28	681.15	122.13	6.577	
12,339.88	10,175.00	9,450.00	9,447.08	53.18	225.24	0.351	935.43	2,395.99	787.97	674.10	113.87	6.920	
12,400.00	10,175.00	9,450.00	9,447.08	54.25	225.24	0.351	935.43	2,395.99	768.23	667.46	100.78	7.623	
12,436.73	10,175.00	9,450.00	9,447.08	54.91	225.24	0.351	935.43	2,395.99	758.27	665.69	92.58	8.190	
12,500.00	10,175.00	9,450.00	9,447.08	56.05	225.24	0.351	935.43	2,395.99	745.06	666.27	78.79	9.457	
12,533.29	10,175.00	9,450.00	9,447.08	56.65	225.24	0.351	935.43	2,395.99	740.18	667.92	72.27	10.242	
12,600.00	10,175.00	9,450.00	9,447.08	57.86	225.24	0.351	935.43	2,395.99	734.87	671.25	63.62	11.551	
12,628.35	10,175.00	9,450.00	9,447.08	58.38	225.24	0.351	935.43	2,395.99	734.44	671.40	63.04	11.650 CC	
12,700.00	10,175.00	9,450.00	9,447.08	59.70	225.24	0.351	935.43	2,395.99	738.22	667.27	70.95	10.405	
12,800.00	10,175.00	9,450.00	9,447.08	61.55	225.24	0.351	935.43	2,395.99	754.91	661.66	93.25	8.095 ES	
12,900.00	10,175.00	9,450.00	9,447.08	63.41	225.24	0.351	935.43	2,395.99	784.10	666.87	117.23	6.688	
13,000.00	10,175.00	9,450.00	9,447.08	65.29	225.24	0.351	935.43	2,395.99	824.47	685.46	139.01	5.931	
13,100.00	10,175.00	9,450.00	9,447.08	67.17	225.24	0.351	935.43	2,395.99	874.45	716.85	157.61	5.548	
13,200.00	10,175.00	9,450.00	9,447.08	69.07	225.24	0.351	935.43	2,395.99	932.52	759.51	173.01	5.390	
13,300.00	10,175.00	9,450.00	9,447.08	70.98	225.24	0.351	935.43	2,395.99	997.26	811.69	185.57	5.374 SF	
13,400.00	10,175.00	9,450.00	9,447.08	72.89	225.24	0.351	935.43	2,395.99	1,067.45	871.72	195.73	5.454	
13,500.00	10,175.00	9,450.00	9,447.08	74.82	225.24	0.351	935.43	2,395.99	1,142.09	938.16	203.93	5.600	
13,600.00	10,175.00	9,450.00	9,447.08	76.75	225.24	0.351	935.43	2,395.99	1,220.37	1,009.79	210.58	5.795	
13,700.00	10,175.00	9,450.00	9,447.08	78.69	225.24	0.351	935.43	2,395.99	1,301.62	1,085.63	215.99	6.026	
13,800.00	10,175.00	9,450.00	9,447.08	80.63	225.24	0.351	935.43	2,395.99	1,385.34	1,164.91	220.42	6.285	
13,900.00	10,175.00	9,450.00	9,447.08	82.58	225.24	0.351	935.43	2,395.99	1,471.08	1,247.00	224.08	6.565	
14,000.00	10,175.00	9,450.00	9,447.08	84.54	225.24	0.351	935.43	2,395.99	1,558.53	1,331.41	227.12	6.862	
14,100.00	10,175.00	9,450.00	9,447.08	86.50	225.24	0.351	935.43	2,395.99	1,647.40	1,417.74	229.66	7.173	
14,200.00	10,175.00	9,450.00	9,447.08	88.47	225.24	0.351	935.43	2,395.99	1,737.49	1,505.67	231.81	7.495	
14,300.00	10,175.00	9,450.00	9,447.08	90.44	225.24	0.351	935.43	2,395.99	1,828.60	1,594.96	233.64	7.827	
14,400.00	10,175.00	9,450.00	9,447.08	92.42	225.24	0.351	935.43	2,395.99	1,920.60	1,685.39	235.21	8.166	
14,500.00	10,175.00	9,450.00	9,447.08	94.40	225.24	0.351	935.43	2,395.99	2,013.36	1,776.81	236.56	8.511	

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

Dixon Directional
Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)			
11,200.00	10,175.00	9,537.00	9,535.56	35.06	206.91	64.387	-384.48	2,405.31	2,050.50	1,828.85	221.65	9.251	
11,300.00	10,175.00	9,537.00	9,535.56	36.40	206.91	64.387	-384.48	2,405.31	1,982.02	1,759.91	222.10	8.924	
11,400.00	10,175.00	9,537.00	9,535.56	37.80	206.91	64.387	-384.48	2,405.31	1,916.30	1,693.65	222.66	8.607	
11,500.00	10,175.00	9,537.00	9,535.56	39.27	206.91	64.387	-384.48	2,405.31	1,853.66	1,630.35	223.31	8.301	
11,600.00	10,175.00	9,537.00	9,535.56	40.78	206.91	64.387	-384.48	2,405.31	1,794.40	1,570.33	224.07	8.008	
11,700.00	10,175.00	9,537.00	9,535.56	42.35	206.91	64.387	-384.48	2,405.31	1,738.88	1,513.95	224.93	7.731	
11,800.00	10,175.00	9,537.00	9,535.56	43.95	206.91	64.387	-384.48	2,405.31	1,687.47	1,461.56	225.91	7.470	
11,900.00	10,175.00	9,537.00	9,535.56	45.59	206.91	64.387	-384.48	2,405.31	1,640.55	1,413.56	226.98	7.228	
12,000.00	10,175.00	9,537.00	9,535.56	47.27	206.91	64.387	-384.48	2,405.31	1,598.51	1,370.34	228.16	7.006	
12,050.39	10,175.00	9,537.00	9,535.56	48.13	206.91	64.387	-384.48	2,405.31	1,579.30	1,350.50	228.80	6.903	
12,100.00	10,175.00	9,537.00	9,535.56	48.98	206.91	64.387	-384.48	2,405.31	1,561.75	1,332.31	229.44	6.807	
12,147.73	10,175.00	9,537.00	9,535.56	49.80	206.91	64.387	-384.48	2,405.31	1,546.18	1,316.08	230.09	6.720	
12,200.00	10,175.00	9,537.00	9,535.56	50.71	206.91	64.387	-384.48	2,405.31	1,530.65	1,299.83	230.82	6.631	
12,244.92	10,175.00	9,537.00	9,535.56	51.50	206.91	64.387	-384.48	2,405.31	1,518.62	1,287.15	231.47	6.561	
12,300.00	10,175.00	9,537.00	9,535.56	52.47	206.91	64.387	-384.48	2,405.31	1,505.56	1,273.29	232.28	6.482	
12,341.92	10,175.00	9,537.00	9,535.56	53.21	206.91	64.387	-384.48	2,405.31	1,496.91	1,263.99	232.92	6.427	
12,400.00	10,175.00	9,537.00	9,535.56	54.25	206.91	64.387	-384.48	2,405.31	1,486.79	1,252.98	233.81	6.359	
12,438.69	10,175.00	9,537.00	9,535.56	54.94	206.91	64.387	-384.48	2,405.31	1,481.28	1,246.85	234.43	6.319	
12,500.00	10,175.00	9,537.00	9,535.56	56.05	206.91	64.387	-384.48	2,405.31	1,474.58	1,239.17	235.41	6.264	
12,535.20	10,175.00	9,537.00	9,535.56	56.69	206.91	64.387	-384.48	2,405.31	1,471.88	1,235.89	235.98	6.237	
12,600.00	10,175.00	9,537.00	9,535.56	57.86	206.91	64.387	-384.48	2,405.31	1,469.09	1,232.05	237.04	6.198	
12,630.65	10,175.00	9,537.00	9,535.56	58.43	206.91	64.387	-384.48	2,405.31	1,468.77	1,231.22	237.55	6.183	
12,630.83	10,175.00	9,537.00	9,535.56	58.43	206.91	64.387	-384.48	2,405.31	1,468.77	1,231.21	237.55	6.183 CC, ES	
12,700.00	10,175.00	9,537.00	9,535.56	59.70	206.91	64.387	-384.48	2,405.31	1,470.39	1,231.70	238.69	6.160	
12,800.00	10,175.00	9,537.00	9,535.56	61.55	206.91	64.387	-384.48	2,405.31	1,478.48	1,238.15	240.32	6.152 SF	
12,900.00	10,175.00	9,537.00	9,535.56	63.41	206.91	64.387	-384.48	2,405.31	1,493.23	1,251.31	241.92	6.172	
13,000.00	10,175.00	9,537.00	9,535.56	65.29	206.91	64.387	-384.48	2,405.31	1,514.45	1,271.01	243.44	6.221	
13,100.00	10,175.00	9,537.00	9,535.56	67.17	206.91	64.387	-384.48	2,405.31	1,541.88	1,297.01	244.87	6.297	
13,200.00	10,175.00	9,537.00	9,535.56	69.07	206.91	64.387	-384.48	2,405.31	1,575.19	1,329.00	246.20	6.398	
13,300.00	10,175.00	9,537.00	9,535.56	70.98	206.91	64.387	-384.48	2,405.31	1,614.02	1,366.63	247.39	6.524	
13,400.00	10,175.00	9,537.00	9,535.56	72.89	206.91	64.387	-384.48	2,405.31	1,657.98	1,409.52	248.46	6.673	
13,500.00	10,175.00	9,537.00	9,535.56	74.82	206.91	64.387	-384.48	2,405.31	1,706.67	1,457.28	249.39	6.843	
13,600.00	10,175.00	9,537.00	9,535.56	76.75	206.91	64.387	-384.48	2,405.31	1,759.71	1,509.51	250.19	7.033	
13,700.00	10,175.00	9,537.00	9,535.56	78.69	206.91	64.387	-384.48	2,405.31	1,816.70	1,565.83	250.87	7.242	
13,800.00	10,175.00	9,537.00	9,535.56	80.63	206.91	64.387	-384.48	2,405.31	1,877.29	1,625.86	251.44	7.466	
13,900.00	10,175.00	9,537.00	9,535.56	82.58	206.91	64.387	-384.48	2,405.31	1,941.15	1,689.25	251.90	7.706	
14,000.00	10,175.00	9,537.00	9,535.56	84.54	206.91	64.387	-384.48	2,405.31	2,007.96	1,755.69	252.27	7.960	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W14) KEEL A FEDERAL 003 - 33340 - (Inc Only)													Offset Site Error: 0.00 usft	
Survey Program: 218-INC-ONLY									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		
15,000.00	10,175.00	10,160.26	10,157.72	104.35	239.81	89.670	-571.66	6,151.72	2,052.69	1,733.77	318.92	6.436		
15,100.00	10,175.00	10,160.26	10,157.72	106.35	239.81	89.670	-571.66	6,151.72	1,987.01	1,664.16	322.85	6.155		
15,200.00	10,175.00	10,160.26	10,157.72	108.35	239.81	89.670	-571.66	6,151.72	1,924.29	1,597.35	326.94	5.886		
15,300.00	10,175.00	10,160.25	10,157.72	110.36	239.80	89.669	-571.66	6,151.72	1,864.82	1,533.66	331.16	5.631		
15,400.00	10,175.00	10,160.25	10,157.72	112.36	239.80	89.669	-571.66	6,151.72	1,808.93	1,473.45	335.48	5.392		
15,500.00	10,175.00	10,160.25	10,157.71	114.37	239.80	89.669	-571.66	6,151.72	1,756.95	1,417.08	339.87	5.170		
15,600.00	10,175.00	10,160.25	10,157.71	116.38	239.80	89.669	-571.66	6,151.72	1,709.25	1,364.97	344.28	4.965		
15,700.00	10,175.00	10,160.25	10,157.71	118.40	239.80	89.669	-571.66	6,151.72	1,666.20	1,317.54	348.66	4.779		
15,800.00	10,175.00	10,160.25	10,157.71	120.41	239.80	89.669	-571.66	6,151.72	1,628.15	1,275.21	352.94	4.613		
15,900.00	10,175.00	10,160.24	10,157.71	122.43	239.80	89.669	-571.66	6,151.72	1,595.48	1,238.43	357.04	4.469		
16,000.00	10,175.00	10,160.24	10,157.71	124.45	239.80	89.669	-571.66	6,151.72	1,568.51	1,207.61	360.89	4.346		
16,100.00	10,175.00	10,160.24	10,157.70	126.47	239.80	89.669	-571.66	6,151.72	1,547.54	1,183.13	364.41	4.247		
16,200.00	10,175.00	10,160.24	10,157.70	128.49	239.80	89.669	-571.66	6,151.72	1,532.82	1,165.30	367.52	4.171		
16,300.00	10,175.00	10,160.24	10,157.70	130.52	239.80	89.669	-571.66	6,151.72	1,524.53	1,154.39	370.15	4.119		
16,376.67	10,175.00	10,160.24	10,157.70	132.07	239.80	89.669	-571.66	6,151.72	1,522.61	1,150.79	371.81	4.095 CC		
16,400.00	10,175.00	10,160.24	10,157.70	132.54	239.80	89.669	-571.66	6,151.72	1,522.78	1,150.53	372.25	4.091 ES		
16,500.00	10,175.00	10,160.24	10,157.70	134.57	239.80	89.669	-571.66	6,151.72	1,527.59	1,153.79	373.80	4.087 SF		
16,600.00	10,175.00	10,160.23	10,157.70	136.60	239.80	89.669	-571.66	6,151.72	1,538.90	1,164.12	374.78	4.106		
16,700.00	10,175.00	10,160.23	10,157.69	138.62	239.80	89.669	-571.66	6,151.72	1,556.56	1,181.35	375.21	4.149		
16,800.00	10,175.00	10,160.23	10,157.69	140.66	239.80	89.669	-571.66	6,151.72	1,580.36	1,205.25	375.11	4.213		
16,900.00	10,175.00	10,160.23	10,157.69	142.69	239.80	89.669	-571.66	6,151.72	1,610.03	1,235.50	374.54	4.299		
17,000.00	10,175.00	10,160.23	10,157.69	144.72	239.80	89.668	-571.66	6,151.72	1,645.26	1,271.71	373.55	4.404		
17,100.00	10,175.00	10,160.23	10,157.69	146.75	239.80	89.668	-571.66	6,151.72	1,685.69	1,313.49	372.20	4.529		
17,200.00	10,175.00	10,160.22	10,157.69	148.79	239.80	89.668	-571.66	6,151.72	1,730.95	1,360.39	370.56	4.671		
17,300.00	10,175.00	10,160.22	10,157.69	150.82	239.80	89.668	-571.66	6,151.72	1,780.69	1,412.00	368.69	4.830		
17,400.00	10,175.00	10,160.22	10,157.68	152.86	239.80	89.668	-571.66	6,151.72	1,834.54	1,467.88	366.66	5.003		
17,500.00	10,175.00	10,160.22	10,157.68	154.90	239.80	89.668	-571.66	6,151.72	1,892.14	1,527.64	364.50	5.191		
17,600.00	10,175.00	10,160.22	10,157.68	156.93	239.80	89.668	-571.66	6,151.72	1,953.17	1,590.90	362.26	5.392		
17,700.00	10,175.00	10,160.22	10,157.68	158.97	239.80	89.668	-571.66	6,151.72	2,017.31	1,657.32	359.99	5.604		

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)			
0.00	0.00	0.00	0.00	0.00	0.00	147.393	-1,705.42	1,090.97	2,024.54				
100.00	100.00	91.50	91.50	0.79	1.89	147.393	-1,705.42	1,090.97	2,024.52	2,021.84	2.68	756.223	
200.00	200.00	191.50	191.50	1.45	3.96	147.393	-1,705.42	1,090.97	2,024.52	2,019.11	5.40	374.577	
300.00	300.00	291.51	291.50	1.89	5.93	147.393	-1,705.42	1,090.97	2,024.52	2,016.70	7.82	258.820	
339.23	339.23	330.61	330.60	2.03	6.68	147.388	-1,705.09	1,090.97	2,024.24	2,015.53	8.71	232.334	
400.00	400.00	385.31	385.30	2.25	7.73	147.389	-1,705.19	1,090.97	2,024.34	2,014.36	9.98	202.844	
500.00	500.00	491.52	491.50	2.57	10.28	147.393	-1,705.42	1,090.97	2,024.52	2,011.67	12.84	157.612	
600.00	600.00	591.52	591.50	2.85	13.03	147.393	-1,705.42	1,090.97	2,024.52	2,008.63	15.88	127.461	
683.33	683.33	674.74	674.72	3.07	15.33	147.385	-1,704.90	1,090.97	2,024.07	2,005.68	18.39	110.046 CC	
700.00	700.00	690.90	690.88	3.11	15.77	147.385	-1,704.90	1,090.97	2,024.08	2,005.20	18.88	107.198	
800.00	800.00	787.91	787.89	3.35	18.45	147.387	-1,705.02	1,090.97	2,024.18	2,002.39	21.80	92.868	
900.00	900.00	884.93	884.90	3.58	21.12	147.391	-1,705.31	1,090.97	2,024.43	1,999.74	24.70	81.971	
1,000.00	1,000.00	991.53	991.50	3.79	23.58	147.393	-1,705.42	1,090.97	2,024.52	1,997.14	27.37	73.961	
1,100.00	1,100.00	1,091.53	1,091.50	3.99	25.74	147.393	-1,705.42	1,090.97	2,024.52	1,994.78	29.73	68.088	
1,172.85	1,172.85	1,164.32	1,164.29	4.14	27.31	147.389	-1,705.15	1,090.97	2,024.29	1,992.84	31.45	64.372	
1,200.00	1,200.00	1,191.07	1,191.04	4.19	27.89	147.389	-1,705.15	1,090.97	2,024.29	1,992.22	32.08	63.108	
1,300.00	1,300.00	1,289.60	1,289.57	4.38	30.01	147.390	-1,705.22	1,090.97	2,024.35	1,989.96	34.39	58.864	
1,400.00	1,400.00	1,388.12	1,388.09	4.56	32.13	147.392	-1,705.38	1,090.97	2,024.48	1,987.79	36.70	55.167	
1,500.00	1,500.00	1,491.53	1,491.50	4.74	34.28	147.393	-1,705.42	1,090.97	2,024.52	1,985.50	39.02	51.891	
1,600.00	1,600.00	1,591.53	1,591.50	4.91	36.32	147.393	-1,705.42	1,090.97	2,024.52	1,983.28	41.24	49.097	
1,666.00	1,666.00	1,657.53	1,657.50	5.02	37.68	147.389	-1,705.15	1,090.97	2,024.29	1,981.59	42.70	47.410	
1,700.00	1,700.00	1,691.03	1,691.00	5.08	38.36	147.389	-1,705.16	1,090.97	2,024.29	1,980.85	43.44	46.599	
1,800.00	1,800.00	1,789.56	1,789.52	5.24	40.38	147.390	-1,705.23	1,090.97	2,024.35	1,978.73	45.62	44.372	
1,900.00	1,900.00	1,888.09	1,888.05	5.40	42.40	147.392	-1,705.38	1,090.97	2,024.49	1,976.69	47.80	42.353	
2,000.00	2,000.00	1,991.55	1,991.50	5.56	44.59	147.393	-1,705.42	1,090.97	2,024.52	1,974.37	50.15	40.370	
2,100.00	2,099.98	2,091.53	2,091.48	5.80	46.72	159.833	-1,705.42	1,090.97	2,026.16	1,973.64	52.51	38.584 ES	
2,200.00	2,199.84	2,190.50	2,190.44	6.05	48.83	159.836	-1,704.56	1,090.97	2,030.35	1,975.49	54.86	37.009	
2,300.00	2,299.45	2,286.04	2,285.97	6.31	50.87	159.862	-1,704.73	1,090.97	2,038.68	1,981.53	57.15	35.674	
2,400.00	2,398.70	2,381.17	2,381.11	6.59	52.90	159.899	-1,705.12	1,090.97	2,050.47	1,991.03	59.44	34.496 SF	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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 (usft)	Offset (usft)	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	106.735	-385.92	1,283.49	1,340.35					
100.00	100.00	83.50	83.50	0.79	2.39	106.735	-385.92	1,283.49	1,340.25	1,337.08	3.18	421.932		
200.00	200.00	183.50	183.50	1.45	5.25	106.735	-385.92	1,283.49	1,340.25	1,333.55	6.70	200.033		
300.00	300.00	283.50	283.50	1.89	8.12	106.735	-385.92	1,283.49	1,340.25	1,330.24	10.01	133.905		
400.00	400.00	383.50	383.50	2.25	10.98	106.735	-385.92	1,283.49	1,340.25	1,327.02	13.23	101.271		
500.00	500.00	483.51	483.50	2.57	13.70	106.735	-385.92	1,283.49	1,340.25	1,323.99	16.27	82.394		
600.00	600.00	583.51	583.50	2.85	16.38	106.735	-385.92	1,283.49	1,340.25	1,321.03	19.23	69.709		
689.48	689.48	672.99	672.98	3.08	18.77	106.711	-385.34	1,283.49	1,340.08	1,318.23	21.85	61.319		
700.00	700.00	683.44	683.43	3.11	19.05	106.711	-385.34	1,283.49	1,340.08	1,317.92	22.16	60.469		
800.00	800.00	782.82	782.81	3.35	21.71	106.715	-385.44	1,283.49	1,340.11	1,315.05	25.06	53.468		
900.00	900.00	882.20	882.19	3.58	24.38	106.726	-385.70	1,283.49	1,340.19	1,312.24	27.95	47.946		
1,000.00	1,000.00	983.53	983.50	3.79	26.83	106.735	-385.92	1,283.49	1,340.25	1,309.64	30.62	43.776		
1,100.00	1,100.00	1,083.53	1,083.50	3.99	28.88	106.735	-385.92	1,283.49	1,340.25	1,307.37	32.88	40.764		
1,200.00	1,200.00	1,183.53	1,183.50	4.19	30.94	106.735	-385.92	1,283.49	1,340.25	1,305.12	35.13	38.148		
1,239.56	1,239.56	1,222.86	1,222.84	4.27	31.75	106.713	-385.39	1,283.49	1,340.10	1,304.08	36.02	37.207		
1,300.00	1,300.00	1,282.91	1,282.88	4.38	32.99	106.716	-385.45	1,283.49	1,340.12	1,302.75	37.37	35.864		
1,400.00	1,400.00	1,382.24	1,382.21	4.56	35.03	106.726	-385.70	1,283.49	1,340.19	1,300.60	39.59	33.849		
1,500.00	1,500.00	1,483.56	1,483.50	4.74	37.13	106.735	-385.92	1,283.49	1,340.25	1,298.38	41.87	32.009		
1,600.00	1,600.00	1,583.56	1,583.50	4.91	39.22	106.735	-385.92	1,283.49	1,340.25	1,296.12	44.14	30.367		
1,700.00	1,700.00	1,683.56	1,683.50	5.08	41.32	106.735	-385.92	1,283.49	1,340.25	1,293.86	46.40	28.887		
1,739.66	1,739.66	1,722.89	1,722.83	5.14	42.14	106.702	-385.12	1,283.49	1,340.02	1,292.74	47.28	28.340		
1,800.00	1,800.00	1,782.64	1,782.58	5.24	43.39	106.706	-385.21	1,283.49	1,340.05	1,291.42	48.63	27.554		
1,900.00	1,900.00	1,881.66	1,881.59	5.40	45.46	106.721	-385.58	1,283.49	1,340.15	1,289.29	50.86	26.348		
2,000.00	2,000.00	1,983.61	1,983.50	5.56	47.68	106.735	-385.92	1,283.49	1,340.25	1,287.01	53.24	25.172		
2,100.00	2,099.98	2,083.59	2,083.48	5.80	49.99	119.220	-385.92	1,283.49	1,341.10	1,285.38	55.72	24.068		
2,200.00	2,199.84	2,183.45	2,183.34	6.05	52.29	119.369	-385.92	1,283.49	1,343.67	1,285.47	58.20	23.088		
2,300.00	2,299.45	2,281.85	2,281.72	6.31	54.56	119.573	-384.96	1,283.49	1,347.69	1,287.04	60.64	22.224		
2,400.00	2,398.70	2,379.69	2,379.55	6.59	56.82	119.923	-385.43	1,283.49	1,353.91	1,290.83	63.08	21.464		
2,500.00	2,497.47	2,481.23	2,480.97	6.89	59.27	120.384	-385.92	1,283.49	1,362.00	1,296.28	65.71	20.727		
2,600.00	2,595.63	2,579.39	2,579.13	7.17	61.82	120.907	-385.92	1,283.49	1,371.85	1,303.41	68.44	20.046		
2,700.00	2,693.50	2,677.26	2,677.00	7.52	64.36	121.625	-385.92	1,283.49	1,382.66	1,311.41	71.25	19.405		
2,800.00	2,791.37	2,774.22	2,773.92	7.80	66.88	122.242	-383.73	1,283.49	1,392.92	1,318.96	73.97	18.831		
2,900.00	2,889.25	2,869.59	2,869.28	8.10	69.35	122.937	-384.15	1,283.49	1,404.30	1,327.64	76.66	18.320		
3,000.00	2,987.12	2,964.79	2,964.46	8.42	71.83	123.638	-385.04	1,283.49	1,416.07	1,336.72	79.35	17.846		
3,100.00	3,085.00	3,068.96	3,068.50	8.76	74.44	124.389	-385.92	1,283.49	1,428.04	1,345.84	82.19	17.374		
3,200.00	3,182.87	3,166.84	3,166.37	9.10	76.75	125.053	-385.92	1,283.49	1,439.89	1,355.15	84.74	16.991		
3,300.00	3,280.75	3,264.60	3,264.12	9.46	79.05	125.660	-384.67	1,283.49	1,451.43	1,364.13	87.30	16.626		
3,400.00	3,378.62	3,359.76	3,359.28	9.82	81.29	126.294	-384.90	1,283.49	1,463.74	1,373.94	89.80	16.299		
3,500.00	3,476.49	3,454.76	3,454.27	10.20	83.53	126.932	-385.56	1,283.49	1,476.44	1,384.12	92.32	15.993		
3,600.00	3,574.37	3,558.49	3,557.87	10.58	85.97	127.603	-385.92	1,283.49	1,489.18	1,394.14	95.04	15.670		
3,700.00	3,672.24	3,656.37	3,655.74	10.97	88.26	128.215	-385.92	1,283.49	1,501.95	1,404.33	97.62	15.386		
3,800.00	3,770.12	3,753.30	3,752.64	11.37	90.53	128.749	-384.10	1,283.49	1,514.06	1,413.88	100.19	15.113		
3,900.00	3,867.99	3,847.00	3,846.33	11.77	92.73	129.330	-384.51	1,283.49	1,527.35	1,424.66	102.69	14.874		
4,000.00	3,965.87	3,940.49	3,939.80	12.18	94.92	129.919	-385.48	1,283.49	1,541.08	1,435.89	105.19	14.651		
4,100.00	4,063.74	4,048.01	4,047.24	12.59	97.19	130.562	-385.92	1,283.49	1,554.68	1,446.89	107.79	14.424		
4,200.00	4,161.61	4,145.88	4,145.11	13.00	99.15	131.124	-385.92	1,283.49	1,568.26	1,458.17	110.09	14.246		
4,300.00	4,259.49	4,240.79	4,240.01	13.42	101.06	131.640	-385.26	1,283.49	1,581.66	1,469.33	112.33	14.081		
4,400.00	4,357.36	4,335.07	4,334.29	13.85	102.96	132.181	-385.82	1,283.49	1,595.82	1,481.26	114.56	13.929		
4,500.00	4,455.24	4,439.56	4,438.74	14.27	105.25	132.755	-385.92	1,283.49	1,609.87	1,492.65	117.22	13.734		
4,600.00	4,553.11	4,537.44	4,536.61	14.70	107.42	133.280	-385.92	1,283.49	1,624.02	1,504.28	119.75	13.562		
4,700.00	4,650.99	4,634.10	4,633.27	15.14	109.57	133.759	-384.87	1,283.49	1,637.75	1,515.50	122.25	13.396		
4,800.00	4,748.86	4,729.00	4,728.16	15.57	111.68	134.261	-385.16	1,283.49	1,652.32	1,527.60	124.73	13.248		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,900.00	4,846.73	4,823.78	4,822.93	16.01	113.78	134.762	-385.77	1,283.49	1,667.21	1,540.00	127.20	13.107		
5,000.00	4,944.61	4,929.03	4,928.11	16.45	116.34	135.294	-385.92	1,283.49	1,681.94	1,551.79	130.15	12.923		
5,100.00	5,042.48	5,026.90	5,025.98	16.89	118.77	135.776	-385.92	1,283.49	1,696.73	1,563.77	132.97	12.761		
5,200.00	5,140.36	5,124.78	5,123.86	17.33	121.20	136.250	-385.92	1,283.49	1,711.64	1,575.86	135.78	12.606		
5,300.00	5,238.23	5,221.34	5,220.40	17.78	123.60	136.660	-384.11	1,283.49	1,725.63	1,587.06	138.56	12.454		
5,400.00	5,336.11	5,316.14	5,315.19	18.22	125.95	137.112	-384.38	1,283.49	1,740.91	1,599.60	141.31	12.320		
5,500.00	5,433.98	5,410.82	5,409.86	18.67	128.30	137.564	-384.94	1,283.49	1,756.49	1,612.43	144.06	12.193		
5,600.00	5,531.85	5,505.40	5,504.42	19.12	130.64	138.015	-385.79	1,283.49	1,772.35	1,625.55	146.80	12.073		
5,700.00	5,629.73	5,614.28	5,613.23	19.57	132.96	138.502	-385.92	1,283.49	1,787.85	1,638.30	149.55	11.955		
5,800.00	5,727.60	5,712.15	5,711.10	20.02	135.01	138.930	-385.92	1,283.49	1,803.40	1,651.40	152.01	11.864		
5,900.00	5,825.48	5,807.78	5,806.72	20.47	137.00	139.317	-384.96	1,283.49	1,818.47	1,664.06	154.41	11.777		
6,000.00	5,923.35	5,901.70	5,900.64	20.92	138.96	139.723	-385.31	1,283.49	1,834.44	1,677.65	156.79	11.700		
6,100.00	6,021.23	6,005.85	6,004.73	21.38	141.14	140.171	-385.92	1,283.49	1,850.65	1,691.25	159.40	11.610		
6,200.00	6,119.10	6,103.72	6,102.60	21.83	143.21	140.571	-385.92	1,283.49	1,866.58	1,704.68	161.90	11.529		
6,300.00	6,216.97	6,201.60	6,200.47	22.29	145.29	140.964	-385.92	1,283.49	1,882.60	1,718.20	164.40	11.451		
6,400.00	6,314.85	6,297.04	6,295.91	22.75	147.31	141.316	-384.89	1,283.49	1,898.05	1,731.21	166.84	11.376		
6,500.00	6,412.72	6,390.89	6,389.75	23.20	149.30	141.689	-385.23	1,283.49	1,914.47	1,745.21	169.26	11.311		
6,600.00	6,510.60	6,495.30	6,494.10	23.66	151.52	142.104	-385.92	1,283.49	1,931.18	1,759.24	171.93	11.232		
6,700.00	6,608.55	6,593.25	6,592.05	24.10	153.76	142.557	-385.92	1,283.49	1,947.23	1,772.64	174.59	11.153		
6,800.00	6,707.06	6,691.75	6,690.56	24.57	156.01	143.028	-385.92	1,283.49	1,960.99	1,783.72	177.27	11.062		
6,900.00	6,806.10	6,788.63	6,787.42	25.01	158.23	143.372	-384.87	1,283.49	1,971.33	1,791.46	179.88	10.959		
7,000.00	6,905.57	6,883.77	6,882.55	25.42	160.41	143.649	-385.19	1,283.49	1,979.83	1,797.41	182.42	10.853		
7,100.00	7,005.33	6,979.16	6,977.94	25.80	162.59	143.844	-385.82	1,283.49	1,985.75	1,800.83	184.92	10.738		
7,200.00	7,105.27	7,090.09	7,088.77	26.12	165.30	143.943	-385.92	1,283.49	1,988.45	1,800.53	187.92	10.581		
7,300.00	7,205.27	7,190.09	7,188.77	26.19	167.76	131.518	-385.92	1,283.49	1,988.74	1,798.29	190.45	10.443		
7,352.08	7,257.35	7,242.09	7,240.75	26.21	169.04	131.483	-384.29	1,283.49	1,987.65	1,795.91	191.75	10.366		
7,400.00	7,305.27	7,286.93	7,285.59	26.23	170.15	131.484	-384.34	1,283.49	1,987.69	1,794.82	192.87	10.306		
7,500.00	7,405.27	7,380.52	7,379.17	26.28	172.45	131.494	-384.80	1,283.49	1,988.01	1,792.80	195.21	10.184		
7,600.00	7,505.27	7,474.13	7,472.75	26.32	174.76	131.514	-385.71	1,283.49	1,988.66	1,791.11	197.56	10.066		
7,700.00	7,605.27	7,590.26	7,588.77	26.37	177.74	131.518	-385.92	1,283.49	1,988.74	1,788.12	200.62	9.913		
7,800.00	7,705.27	7,690.26	7,688.77	26.42	180.32	131.518	-385.92	1,283.49	1,988.74	1,785.49	203.25	9.785		
7,864.90	7,770.17	7,755.14	7,753.63	26.45	181.99	131.481	-384.20	1,283.49	1,987.59	1,782.64	204.95	9.698		
7,900.00	7,805.27	7,788.10	7,786.59	26.46	182.84	131.482	-384.22	1,283.49	1,987.61	1,781.79	205.82	9.657		
8,000.00	7,905.27	7,882.01	7,880.49	26.51	185.27	131.490	-384.60	1,283.49	1,987.88	1,779.59	208.28	9.544		
8,100.00	8,005.27	7,975.93	7,974.39	26.56	187.69	131.507	-385.41	1,283.49	1,988.45	1,777.70	210.75	9.435		
8,200.00	8,105.27	8,090.48	8,088.77	26.60	190.64	131.518	-385.92	1,283.49	1,988.74	1,774.96	213.78	9.303		
8,300.00	8,205.27	8,190.48	8,188.77	26.65	193.21	131.518	-385.92	1,283.49	1,988.74	1,772.34	216.40	9.190		
8,378.43	8,283.70	8,268.90	8,267.17	26.69	195.22	131.477	-384.02	1,283.49	1,987.47	1,769.03	218.45	9.098		
8,400.00	8,305.27	8,288.88	8,287.14	26.70	195.74	131.477	-384.03	1,283.49	1,987.48	1,768.51	218.97	9.077		
8,500.00	8,405.27	8,381.48	8,379.73	26.74	198.12	131.485	-384.40	1,283.49	1,987.75	1,766.36	221.39	8.979		
8,600.00	8,505.27	8,474.10	8,472.33	26.79	200.50	131.505	-385.30	1,283.49	1,988.39	1,764.59	223.80	8.885		
8,700.00	8,605.27	8,590.68	8,588.77	26.84	203.39	131.518	-385.92	1,283.49	1,988.74	1,761.95	226.79	8.769		
8,800.00	8,705.27	8,690.68	8,688.77	26.89	205.81	131.518	-385.92	1,283.49	1,988.74	1,759.47	229.26	8.674		
8,837.86	8,743.13	8,726.96	8,725.03	26.91	206.69	131.492	-384.69	1,283.49	1,987.92	1,757.76	230.16	8.637		
8,900.00	8,805.27	8,783.96	8,782.03	26.94	208.08	131.495	-384.87	1,283.49	1,988.05	1,756.49	231.56	8.585		
9,000.00	8,905.27	8,875.71	8,873.76	26.98	210.30	131.512	-385.63	1,283.49	1,988.60	1,754.77	233.82	8.505		
9,100.00	9,005.27	8,990.81	8,988.77	27.03	213.32	131.518	-385.92	1,283.49	1,988.74	1,751.81	236.93	8.394		
9,200.00	9,105.27	9,090.81	9,088.77	27.08	215.99	131.518	-385.92	1,283.49	1,988.74	1,749.08	239.65	8.298		
9,255.59	9,160.86	9,146.39	9,144.34	27.11	217.48	131.483	-384.31	1,283.49	1,987.67	1,746.51	241.16	8.242		
9,300.00	9,205.27	9,187.92	9,185.86	27.13	218.59	131.484	-384.36	1,283.49	1,987.70	1,745.41	242.29	8.204		
9,400.00	9,305.27	9,281.42	9,279.35	27.18	221.09	131.494	-384.80	1,283.49	1,988.01	1,743.18	244.83	8.120		
9,500.00	9,405.27	9,374.93	9,372.85	27.23	223.59	131.513	-385.70	1,283.49	1,988.65	1,741.28	247.37	8.039		

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		Highside		Offset Wellbore Centre		Distance		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	
9,600.00	9,505.27	9,491.04	9,488.77	27.28	226.76	131.518	-385.92	1,283.49	1,988.74	1,738.10	250.63	7.935
9,700.00	9,605.27	9,591.04	9,588.77	27.33	229.50	41.686	-385.92	1,283.49	1,988.73	1,735.30	253.43	7.847
9,800.00	9,704.71	9,690.48	9,688.21	27.30	232.23	42.329	-385.92	1,283.49	1,981.82	1,725.76	256.06	7.740
9,900.00	9,801.04	9,786.30	9,783.98	27.25	234.86	44.139	-382.57	1,283.49	1,959.99	1,701.43	258.56	7.580
10,000.00	9,891.31	9,871.55	9,869.21	27.22	237.20	47.308	-382.77	1,283.49	1,928.76	1,667.94	260.82	7.395
10,100.00	9,972.80	9,948.51	9,946.15	27.22	239.31	51.895	-383.23	1,283.49	1,887.39	1,624.46	262.93	7.178
10,200.00	10,043.02	10,014.83	10,012.46	27.30	241.13	57.948	-383.84	1,283.49	1,837.76	1,572.90	264.87	6.938
10,300.00	10,099.85	10,068.51	10,066.12	27.48	242.60	65.321	-384.48	1,283.49	1,782.13	1,515.51	266.62	6.684
10,400.00	10,141.54	10,107.90	10,105.49	27.80	243.68	73.539	-385.03	1,283.49	1,722.99	1,454.82	268.17	6.425
10,500.00	10,166.85	10,131.80	10,129.39	28.27	244.34	81.814	-385.40	1,283.49	1,662.98	1,393.47	269.51	6.170
10,600.00	10,175.00	10,139.50	10,137.08	28.90	244.55	89.072	-385.53	1,283.49	1,604.68	1,334.03	270.64	5.929
10,700.00	10,175.00	10,139.49	10,137.08	29.65	244.55	89.072	-385.53	1,283.49	1,550.22	1,278.48	271.74	5.705
10,800.00	10,175.00	10,139.49	10,137.07	30.53	244.55	89.072	-385.53	1,283.49	1,500.46	1,227.48	272.98	5.497
10,900.00	10,175.00	10,139.48	10,137.07	31.52	244.55	89.071	-385.53	1,283.49	1,455.88	1,181.53	274.35	5.307
11,000.00	10,175.00	10,139.48	10,137.06	32.61	244.55	89.071	-385.53	1,283.49	1,416.96	1,141.13	275.83	5.137
11,100.00	10,175.00	10,139.47	10,137.06	33.79	244.55	89.071	-385.53	1,283.49	1,384.19	1,106.80	277.39	4.990
11,200.00	10,175.00	10,139.47	10,137.06	35.06	244.55	89.071	-385.53	1,283.49	1,358.00	1,079.01	278.99	4.868
11,300.00	10,175.00	10,139.46	10,137.05	36.40	244.55	89.071	-385.53	1,283.49	1,338.80	1,058.20	280.59	4.771
11,400.00	10,175.00	10,139.46	10,137.05	37.80	244.55	89.070	-385.53	1,283.49	1,326.87	1,044.71	282.15	4.703
11,500.00	10,175.00	10,139.46	10,137.04	39.27	244.55	89.070	-385.53	1,283.49	1,322.41	1,038.79	283.62	4.663
11,508.38	10,175.00	10,139.46	10,137.04	39.39	244.55	89.070	-385.53	1,283.49	1,322.38	1,038.63	283.74	4.660 CC, ES
11,600.00	10,175.00	10,139.45	10,137.04	40.78	244.55	89.070	-385.53	1,283.49	1,325.51	1,040.54	284.97	4.651 SF
11,700.00	10,175.00	10,139.45	10,137.03	42.35	244.55	89.070	-385.53	1,283.49	1,336.10	1,049.94	286.16	4.669
11,800.00	10,175.00	10,139.44	10,137.03	43.95	244.55	89.070	-385.53	1,283.49	1,354.02	1,066.84	287.18	4.715
11,900.00	10,175.00	10,139.44	10,137.02	45.59	244.55	89.069	-385.53	1,283.49	1,378.97	1,090.96	288.01	4.788
12,000.00	10,175.00	10,139.43	10,137.02	47.27	244.55	89.069	-385.53	1,283.49	1,410.59	1,121.92	288.67	4.887
12,100.00	10,175.00	10,139.43	10,137.01	48.98	244.55	89.069	-385.53	1,283.49	1,448.43	1,159.28	289.15	5.009
12,200.00	10,175.00	10,139.42	10,137.01	50.71	244.55	89.069	-385.53	1,283.49	1,492.03	1,202.55	289.49	5.154
12,300.00	10,175.00	10,139.42	10,137.01	52.47	244.55	89.069	-385.53	1,283.49	1,540.89	1,251.21	289.69	5.319
12,400.00	10,175.00	10,139.42	10,137.00	54.25	244.55	89.068	-385.53	1,283.49	1,594.54	1,304.77	289.77	5.503
12,500.00	10,175.00	10,139.41	10,137.00	56.05	244.55	89.068	-385.53	1,283.49	1,652.50	1,362.73	289.77	5.703
12,600.00	10,175.00	10,139.41	10,136.99	57.86	244.55	89.068	-385.53	1,283.49	1,714.34	1,424.65	289.69	5.918
12,700.00	10,175.00	10,139.40	10,136.99	59.70	244.55	89.068	-385.53	1,283.49	1,779.65	1,490.10	289.55	6.146
12,800.00	10,175.00	10,139.40	10,136.98	61.55	244.55	89.068	-385.53	1,283.49	1,848.07	1,558.70	289.36	6.387
12,900.00	10,175.00	10,139.39	10,136.98	63.41	244.55	89.067	-385.53	1,283.49	1,919.26	1,630.11	289.15	6.638
13,000.00	10,175.00	10,139.39	10,136.97	65.29	244.55	89.067	-385.53	1,283.49	1,992.92	1,704.01	288.91	6.898

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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				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			
19,000.00	10,175.00	10,178.43	10,176.50	185.54	243.44	90.000	-371.45	10,323.30	2,044.50	1,677.85	366.64	5.576			
19,100.00	10,175.00	10,178.43	10,176.50	187.59	243.44	90.000	-371.45	10,323.30	1,969.82	1,597.35	372.48	5.288			
19,200.00	10,175.00	10,178.43	10,176.50	189.64	243.44	90.000	-371.45	10,323.30	1,897.48	1,518.86	378.62	5.012			
19,300.00	10,175.00	10,178.43	10,176.50	191.69	243.44	90.000	-371.45	10,323.30	1,827.75	1,442.70	385.05	4.747			
19,400.00	10,175.00	10,178.43	10,176.50	193.74	243.44	90.000	-371.45	10,323.30	1,760.94	1,369.17	391.77	4.495			
19,500.00	10,175.00	10,178.43	10,176.50	195.79	243.44	90.000	-371.45	10,323.30	1,697.39	1,298.66	398.73	4.257			
19,600.00	10,175.00	10,178.43	10,176.50	197.84	243.44	90.000	-371.45	10,323.30	1,637.49	1,231.61	405.88	4.034			
19,700.00	10,175.00	10,178.43	10,176.50	199.89	243.44	90.000	-371.45	10,323.30	1,581.65	1,168.49	413.15	3.828			
19,800.00	10,175.00	10,178.43	10,176.50	201.94	243.44	90.000	-371.45	10,323.30	1,530.31	1,109.86	420.45	3.640			
19,900.00	10,175.00	10,178.43	10,176.50	203.99	243.44	90.000	-371.45	10,323.30	1,483.94	1,056.29	427.65	3.470			
20,000.00	10,175.00	10,178.43	10,176.50	206.04	243.44	90.000	-371.45	10,323.30	1,443.02	1,008.41	434.61	3.320			
20,100.00	10,175.00	10,178.43	10,176.50	208.09	243.44	90.000	-371.45	10,323.30	1,408.03	966.88	441.15	3.192			
20,200.00	10,175.00	10,178.43	10,176.50	210.14	243.44	90.000	-371.45	10,323.30	1,379.41	932.31	447.10	3.085			
20,300.00	10,175.00	10,178.43	10,176.50	212.20	243.44	90.000	-371.45	10,323.30	1,357.58	905.30	452.27	3.002			
20,400.00	10,175.00	10,178.43	10,176.50	214.25	243.44	90.000	-371.45	10,323.30	1,342.85	886.35	456.50	2.942			
20,500.00	10,175.00	10,178.43	10,176.50	216.30	243.44	90.000	-371.45	10,323.30	1,335.47	875.83	459.64	2.905			
20,548.83	10,175.00	10,178.43	10,176.50	217.31	243.44	90.000	-371.45	10,323.30	1,334.58	873.83	460.75	2.897 CC, ES			
20,600.00	10,175.00	10,178.43	10,176.50	218.36	243.44	90.000	-371.45	10,323.30	1,335.56	873.96	461.60	2.893 SF			
20,700.00	10,175.00	10,178.43	10,176.50	220.41	243.44	90.000	-371.45	10,323.30	1,343.11	880.75	462.36	2.905			
20,800.00	10,175.00	10,178.43	10,176.50	222.47	243.44	90.000	-371.45	10,323.30	1,358.01	896.06	461.94	2.940			
20,900.00	10,175.00	10,178.43	10,176.50	224.52	243.44	90.000	-371.45	10,323.30	1,380.01	919.58	460.43	2.997			
21,000.00	10,175.00	10,178.43	10,176.50	226.57	243.44	90.000	-371.45	10,323.30	1,408.78	950.83	457.95	3.076			
21,100.00	10,175.00	10,178.43	10,176.50	228.63	243.44	90.000	-371.45	10,323.30	1,443.91	989.27	454.64	3.176			
21,200.00	10,175.00	10,178.43	10,176.50	230.69	243.44	90.000	-371.45	10,323.30	1,484.97	1,034.28	450.68	3.295			
21,300.00	10,175.00	10,178.43	10,176.50	232.74	243.44	90.000	-371.45	10,323.30	1,531.46	1,085.22	446.23	3.432			
21,400.00	10,175.00	10,178.43	10,176.50	234.80	243.44	90.000	-371.45	10,323.30	1,582.91	1,141.47	441.44	3.586			
21,500.00	10,175.00	10,178.43	10,176.50	236.85	243.44	90.000	-371.45	10,323.30	1,638.85	1,202.42	436.43	3.755			
21,600.00	10,175.00	10,178.43	10,176.50	238.91	243.44	90.000	-371.45	10,323.30	1,698.84	1,267.52	431.32	3.939			
21,700.00	10,175.00	10,178.43	10,176.50	240.97	243.44	90.000	-371.45	10,323.30	1,762.47	1,336.28	426.19	4.135			
21,800.00	10,175.00	10,178.43	10,176.50	243.02	243.44	90.000	-371.45	10,323.30	1,829.35	1,408.23	421.12	4.344			
21,900.00	10,175.00	10,178.43	10,176.50	245.08	243.44	90.000	-371.45	10,323.30	1,899.15	1,482.99	416.16	4.564			
22,000.00	10,175.00	10,178.43	10,176.50	247.14	243.44	90.000	-371.45	10,323.30	1,971.55	1,560.21	411.33	4.793			
22,100.00	10,175.00	10,178.43	10,176.50	249.19	243.44	90.000	-371.45	10,323.30	2,046.27	1,639.59	406.68	5.032			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	Semi Major Axis 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
0.00	0.00	0.50	0.50	0.00	0.01	-124.246	-390.00	-572.88	693.03				
100.00	100.00	100.50	100.50	0.79	1.92	-124.246	-390.00	-572.88	693.03	690.32	2.71	255.821	
200.00	200.00	200.50	200.50	1.45	3.84	-124.246	-390.00	-572.88	693.03	687.75	5.28	131.173	
300.00	300.00	300.50	300.50	1.89	5.80	-124.246	-390.00	-572.88	693.03	685.34	7.69	90.140	
345.02	345.02	345.52	345.52	2.05	6.68	-124.236	-389.86	-572.88	692.95	684.21	8.74	79.305	
400.00	400.00	400.13	400.13	2.25	7.76	-124.238	-389.89	-572.88	692.97	682.96	10.01	69.213	
500.00	500.00	500.50	500.50	2.57	9.91	-124.246	-390.00	-572.88	693.03	680.55	12.48	55.521	
600.00	600.00	600.50	600.50	2.85	12.54	-124.246	-390.00	-572.88	693.03	677.64	15.39	45.039	
700.00	700.00	700.50	700.50	3.11	15.16	-124.246	-390.00	-572.88	693.03	674.76	18.27	37.935	
738.67	738.67	739.05	739.04	3.20	16.17	-124.229	-389.75	-572.88	692.89	673.52	19.37	35.765	
800.00	800.00	800.16	800.15	3.35	17.77	-124.232	-389.79	-572.88	692.91	671.79	21.12	32.802	
900.00	900.00	899.80	899.79	3.58	20.39	-124.241	-389.93	-572.88	692.99	669.03	23.96	28.918	
1,000.00	1,000.00	1,000.51	1,000.50	3.79	22.82	-124.246	-390.00	-572.88	693.03	666.42	26.61	26.039	
1,100.00	1,100.00	1,100.51	1,100.50	3.99	25.12	-124.246	-390.00	-572.88	693.03	663.92	29.11	23.804	
1,187.78	1,187.78	1,188.29	1,188.28	4.17	27.13	-124.209	-389.46	-572.88	692.73	661.43	31.30	22.132 CC	
1,200.00	1,200.00	1,200.43	1,200.41	4.19	27.41	-124.209	-389.46	-572.88	692.73	661.12	31.60	21.920	
1,300.00	1,300.00	1,299.76	1,299.74	4.38	29.69	-124.216	-389.57	-572.88	692.79	658.72	34.07	20.334	
1,400.00	1,400.00	1,399.09	1,399.07	4.56	31.97	-124.235	-389.85	-572.88	692.95	656.41	36.53	18.968	
1,500.00	1,500.00	1,500.54	1,500.50	4.74	33.89	-124.246	-390.00	-572.88	693.03	654.40	38.63	17.941	
1,559.95	1,559.95	1,560.50	1,560.45	4.84	34.87	-124.219	-389.60	-572.88	692.81	653.09	39.72	17.444	
1,600.00	1,600.00	1,599.73	1,599.68	4.91	35.52	-124.221	-389.64	-572.88	692.83	652.40	40.43	17.137	
1,700.00	1,700.00	1,700.56	1,700.50	5.08	37.20	-124.246	-390.00	-572.88	693.03	650.75	42.28	16.393	
1,800.00	1,800.00	1,800.56	1,800.50	5.24	38.99	-124.246	-390.00	-572.88	693.03	648.80	44.23	15.667	
1,832.71	1,832.71	1,833.10	1,833.04	5.29	39.58	-124.215	-389.54	-572.88	692.77	647.90	44.87	15.440	
1,900.00	1,900.00	1,899.20	1,899.13	5.40	40.76	-124.224	-389.68	-572.88	692.85	646.69	46.16	15.009	
2,000.00	2,000.00	2,000.60	2,000.50	5.56	42.95	-124.246	-390.00	-572.88	693.03	644.52	48.51	14.286	
2,100.00	2,099.98	2,100.58	2,100.48	5.80	45.77	-111.934	-390.00	-572.88	693.68	642.19	51.49	13.471	
2,200.00	2,199.84	2,200.44	2,200.34	6.05	48.58	-112.296	-390.00	-572.88	695.66	641.19	54.47	12.772	
2,300.00	2,299.45	2,299.56	2,299.45	6.31	51.37	-112.805	-388.74	-572.88	698.29	640.86	57.43	12.160 ES	
2,400.00	2,398.70	2,397.61	2,397.49	6.59	54.13	-113.629	-389.00	-572.88	703.28	642.92	60.36	11.652	
2,500.00	2,497.47	2,495.08	2,494.96	6.89	56.88	-114.671	-389.55	-572.88	710.08	646.80	63.28	11.221	
2,600.00	2,595.63	2,596.47	2,596.13	7.17	59.56	-115.962	-390.00	-572.88	718.64	652.50	66.14	10.866	
2,700.00	2,693.50	2,694.41	2,694.00	7.52	61.94	-117.389	-390.00	-572.88	728.01	659.22	68.79	10.583	
2,800.00	2,791.37	2,785.93	2,785.49	7.80	64.17	-118.673	-389.70	-572.88	737.65	666.43	71.22	10.357	
2,900.00	2,889.25	2,884.33	2,883.81	8.10	66.49	-120.042	-389.77	-572.88	747.95	674.19	73.75	10.141	
3,000.00	2,987.12	2,985.40	2,984.84	8.42	68.81	-121.399	-389.67	-572.88	758.52	682.20	76.31	9.940	
3,100.00	3,085.00	3,085.97	3,085.36	8.76	71.19	-122.710	-389.52	-572.88	769.47	690.53	78.93	9.748	
3,200.00	3,182.87	3,184.03	3,183.37	9.10	73.53	-123.984	-390.00	-572.88	781.26	699.73	81.53	9.583	
3,300.00	3,280.75	3,281.95	3,281.25	9.46	75.86	-125.195	-390.00	-572.88	793.07	708.94	84.13	9.426	
3,400.00	3,378.62	3,375.27	3,374.55	9.82	78.16	-126.301	-389.65	-572.88	804.98	718.27	86.71	9.284	
3,500.00	3,476.49	3,477.80	3,476.99	10.20	80.66	-127.513	-390.00	-572.88	817.73	728.22	89.52	9.135	
3,600.00	3,574.37	3,570.94	3,570.13	10.58	82.67	-128.556	-389.71	-572.88	830.33	738.50	91.82	9.043	
3,700.00	3,672.24	3,673.58	3,672.74	10.97	84.70	-129.696	-390.00	-572.88	843.66	749.48	94.19	8.958	
3,800.00	3,770.12	3,771.47	3,770.62	11.37	86.58	-130.738	-390.00	-572.88	857.07	760.68	96.39	8.891	
3,900.00	3,867.99	3,869.34	3,868.49	11.77	88.47	-131.748	-390.00	-572.88	870.76	772.13	98.63	8.829	
4,000.00	3,965.87	3,967.22	3,966.37	12.18	90.36	-132.728	-390.00	-572.88	884.71	783.83	100.87	8.771	
4,100.00	4,063.74	4,063.20	4,062.34	12.59	92.22	-133.638	-389.37	-572.88	898.38	795.30	103.08	8.715	
4,200.00	4,161.61	4,158.90	4,158.04	13.00	94.06	-134.552	-389.75	-572.88	913.14	807.84	105.30	8.672	
4,300.00	4,259.49	4,260.87	4,259.99	13.42	95.93	-135.491	-390.00	-572.88	928.01	820.46	107.56	8.628	
4,400.00	4,357.36	4,358.74	4,357.86	13.85	97.66	-136.356	-390.00	-572.88	942.90	833.23	109.67	8.598	
4,500.00	4,455.24	4,456.13	4,455.25	14.27	99.38	-137.175	-389.52	-572.88	957.58	845.80	111.78	8.567	
4,600.00	4,553.11	4,552.40	4,551.52	14.70	101.08	-137.980	-389.67	-572.88	973.00	859.12	113.88	8.544	

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 (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,700.00	4,650.99	4,652.38	4,651.49	15.14	102.84	-138.794	-390.00	-572.88	988.77	872.72	116.05	8.520		
4,800.00	4,748.86	4,750.25	4,749.36	15.57	104.45	-139.558	-390.00	-572.88	1,004.43	886.35	118.08	8.506		
4,900.00	4,846.73	4,847.30	4,846.41	16.01	106.06	-140.290	-389.88	-572.88	1,020.15	900.05	120.10	8.494		
5,000.00	4,944.61	4,946.00	4,945.11	16.45	107.74	-141.017	-390.00	-572.88	1,036.26	914.05	122.21	8.479		
5,100.00	5,042.48	5,043.88	5,042.98	16.89	109.66	-141.714	-390.00	-572.88	1,052.42	927.87	124.55	8.450		
5,200.00	5,140.36	5,141.35	5,140.45	17.33	111.56	-142.378	-389.58	-572.88	1,068.34	941.45	126.89	8.420		
5,300.00	5,238.23	5,237.09	5,236.19	17.78	113.44	-143.023	-389.73	-572.88	1,084.91	955.72	129.19	8.398		
5,400.00	5,336.11	5,337.54	5,336.61	18.22	115.44	-143.682	-390.00	-572.88	1,101.75	970.10	131.64	8.369		
5,500.00	5,433.98	5,435.41	5,434.48	18.67	117.56	-144.300	-390.00	-572.88	1,118.46	984.25	134.21	8.334		
5,600.00	5,531.85	5,533.29	5,532.35	19.12	119.69	-144.900	-390.00	-572.88	1,135.30	998.52	136.77	8.301		
5,700.00	5,629.73	5,627.83	5,626.89	19.57	121.73	-145.447	-389.13	-572.88	1,151.45	1,012.19	139.26	8.268		
5,800.00	5,727.60	5,721.76	5,720.81	20.02	123.77	-145.999	-389.59	-572.88	1,168.96	1,027.23	141.74	8.247		
5,900.00	5,825.48	5,826.98	5,825.98	20.47	126.06	-146.598	-390.00	-572.88	1,186.50	1,042.00	144.50	8.211		
6,000.00	5,923.35	5,924.85	5,923.85	20.92	128.20	-147.132	-390.00	-572.88	1,203.78	1,056.68	147.10	8.183		
6,100.00	6,021.23	6,022.62	6,021.61	21.38	130.34	-147.633	-388.93	-572.88	1,220.16	1,070.46	149.70	8.151		
6,200.00	6,119.10	6,116.59	6,115.57	21.83	132.40	-148.121	-389.10	-572.88	1,237.80	1,085.59	152.20	8.133		
6,300.00	6,216.97	6,210.43	6,209.41	22.29	134.46	-148.600	-389.58	-572.88	1,255.84	1,101.13	154.71	8.117		
6,400.00	6,314.85	6,316.42	6,315.35	22.75	136.85	-149.123	-390.00	-572.88	1,273.87	1,116.29	157.58	8.084		
6,500.00	6,412.72	6,414.30	6,413.22	23.20	139.12	-149.588	-390.00	-572.88	1,291.62	1,131.30	160.32	8.057		
6,600.00	6,510.60	6,511.56	6,510.48	23.66	141.37	-150.024	-388.99	-572.88	1,308.47	1,145.43	163.04	8.026		
6,700.00	6,608.55	6,605.08	6,603.99	24.10	143.54	-150.522	-389.20	-572.88	1,326.25	1,160.61	165.64	8.007		
6,800.00	6,707.06	6,699.02	6,697.92	24.57	145.72	-151.025	-389.74	-572.88	1,341.84	1,173.58	168.27	7.975		
6,900.00	6,806.10	6,807.79	6,806.60	25.01	148.18	-151.457	-390.00	-572.88	1,354.13	1,182.95	171.18	7.910		
7,000.00	6,905.57	6,904.96	6,903.75	25.42	150.35	-151.734	-389.02	-572.88	1,362.24	1,188.49	173.74	7.841		
7,100.00	7,005.33	6,994.61	6,993.40	25.80	152.35	-151.922	-389.52	-572.88	1,368.77	1,192.70	176.07	7.774		
7,200.00	7,105.27	7,107.04	7,105.77	26.12	154.82	-152.032	-390.00	-572.88	1,372.09	1,193.21	178.87	7.671		
7,300.00	7,205.27	7,207.03	7,205.77	26.19	157.00	-164.476	-390.00	-572.88	1,372.40	1,191.28	181.12	7.577		
7,376.44	7,281.71	7,283.47	7,282.20	26.22	158.67	-164.464	-388.93	-572.88	1,371.36	1,188.54	182.82	7.501		
7,400.00	7,305.27	7,305.98	7,304.71	26.23	159.16	-164.464	-388.94	-572.88	1,371.37	1,188.05	183.32	7.481		
7,500.00	7,405.27	7,401.53	7,400.25	26.28	161.24	-164.467	-389.17	-572.88	1,371.61	1,186.17	185.44	7.397		
7,600.00	7,505.27	7,497.09	7,495.80	26.32	163.32	-164.473	-389.73	-572.88	1,372.17	1,184.62	187.55	7.316		
7,700.00	7,605.27	7,607.11	7,605.77	26.37	165.91	-164.476	-390.00	-572.88	1,372.40	1,182.18	190.22	7.215		
7,800.00	7,705.27	7,707.11	7,705.77	26.42	168.32	-164.476	-390.00	-572.88	1,372.40	1,179.71	192.69	7.122		
7,867.82	7,773.09	7,774.93	7,773.58	26.45	169.96	-164.464	-388.93	-572.88	1,371.37	1,177.01	194.36	7.056		
7,900.00	7,805.27	7,805.67	7,804.32	26.46	170.71	-164.464	-388.95	-572.88	1,371.38	1,176.27	195.11	7.029		
8,000.00	7,905.27	7,901.19	7,899.84	26.51	173.01	-164.467	-389.22	-572.88	1,371.65	1,174.19	197.46	6.947		
8,100.00	8,005.27	7,996.72	7,995.36	26.56	175.32	-164.474	-389.81	-572.88	1,372.25	1,172.45	199.80	6.868		
8,200.00	8,105.27	8,107.25	8,105.77	26.60	178.37	-164.476	-390.00	-572.88	1,372.40	1,169.46	202.94	6.763		
8,300.00	8,205.27	8,207.25	8,205.77	26.65	181.22	-164.476	-390.00	-572.88	1,372.40	1,166.56	205.84	6.667		
8,362.65	8,267.92	8,269.90	8,268.39	26.68	183.01	-164.455	-388.09	-572.88	1,370.56	1,162.90	207.66	6.600		
8,400.00	8,305.27	8,304.47	8,302.96	26.70	184.00	-164.455	-388.13	-572.88	1,370.60	1,161.94	208.65	6.569		
8,500.00	8,405.27	8,397.06	8,395.53	26.74	186.64	-164.460	-388.59	-572.88	1,371.07	1,159.75	211.32	6.488		
8,600.00	8,505.27	8,489.66	8,488.11	26.79	189.28	-164.471	-389.57	-572.88	1,372.09	1,158.11	213.98	6.412		
8,700.00	8,605.27	8,607.56	8,605.77	26.84	192.64	-164.476	-390.00	-572.88	1,372.40	1,154.94	217.46	6.311		
8,800.00	8,705.27	8,707.56	8,705.77	26.89	195.49	-164.476	-390.00	-572.88	1,372.40	1,152.03	220.37	6.228		
8,851.68	8,756.95	8,758.81	8,756.97	26.91	196.95	-164.450	-387.70	-572.88	1,370.18	1,148.33	221.85	6.176		
8,900.00	8,805.27	8,802.35	8,800.51	26.94	198.19	-164.451	-387.79	-572.88	1,370.28	1,147.17	223.10	6.142		
9,000.00	8,905.27	8,892.51	8,890.64	26.98	200.77	-164.459	-388.49	-572.88	1,371.02	1,145.33	225.69	6.075		
9,100.00	9,005.27	9,007.85	9,005.77	27.03	204.01	-164.476	-390.00	-572.88	1,372.40	1,143.35	229.04	5.992		
9,200.00	9,105.27	9,107.90	9,105.77	27.08	206.61	-164.476	-390.00	-572.88	1,372.40	1,140.71	231.69	5.923		
9,300.00	9,205.27	9,207.90	9,205.77	27.13	209.21	-164.476	-390.00	-572.88	1,372.40	1,138.05	234.34	5.856		
9,400.00	9,305.27	9,307.90	9,305.77	27.18	211.81	-164.476	-390.00	-572.88	1,372.40	1,135.40	237.00	5.791		

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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	
9,440.80	9,346.07	9,348.00	9,345.85	27.20	212.85	-164.456	-388.21	-572.88	1,370.67	1,132.61	238.06	5.758	
9,500.00	9,405.27	9,402.55	9,400.39	27.23	214.27	-164.457	-388.34	-572.88	1,370.80	1,131.31	239.49	5.724	
9,600.00	9,505.27	9,494.71	9,492.53	27.28	216.66	-164.465	-388.99	-572.88	1,371.48	1,129.57	241.91	5.669	
9,700.00	9,605.27	9,608.09	9,605.77	27.33	219.47	105.692	-390.00	-572.88	1,372.40	1,127.59	244.81	5.606	
9,800.00	9,704.71	9,707.53	9,705.21	27.30	221.62	105.817	-390.00	-572.88	1,374.93	1,127.91	247.02	5.566	
9,900.00	9,801.04	9,803.86	9,801.54	27.25	223.70	106.106	-390.00	-572.88	1,382.47	1,133.37	249.09	5.550 SF	
10,000.00	9,891.31	9,889.68	9,887.33	27.22	225.55	106.295	-388.48	-572.88	1,394.20	1,143.33	250.87	5.557	
10,100.00	9,972.80	9,965.93	9,963.57	27.22	227.20	106.078	-388.89	-572.88	1,414.29	1,161.89	252.40	5.603	
10,200.00	10,043.02	10,031.64	10,029.27	27.30	228.62	105.177	-389.48	-572.88	1,441.87	1,188.19	253.68	5.684	
10,300.00	10,099.85	10,102.75	10,100.35	27.48	230.15	103.901	-390.00	-572.88	1,477.13	1,221.97	255.15	5.789	
10,400.00	10,141.54	10,144.44	10,142.04	27.80	231.04	100.838	-390.00	-572.88	1,519.87	1,263.92	255.96	5.938	
10,500.00	10,166.85	10,169.75	10,167.35	28.27	231.58	96.156	-390.00	-572.88	1,569.87	1,313.44	256.43	6.122	
10,600.00	10,175.00	10,177.90	10,175.50	28.90	231.76	90.000	-390.00	-572.88	1,625.79	1,369.24	256.55	6.337	
10,700.00	10,175.00	10,177.90	10,175.50	29.65	231.76	90.000	-390.00	-572.88	1,686.02	1,429.49	256.54	6.572	
10,800.00	10,175.00	10,177.90	10,175.50	30.53	231.76	90.000	-390.00	-572.88	1,749.90	1,493.32	256.57	6.820	
10,900.00	10,175.00	10,177.90	10,175.50	31.52	231.76	90.000	-390.00	-572.88	1,817.04	1,560.38	256.65	7.080	
11,000.00	10,175.00	10,177.90	10,175.50	32.61	231.76	90.000	-390.00	-572.88	1,887.09	1,630.32	256.76	7.350	
11,100.00	10,175.00	10,177.90	10,175.50	33.79	231.76	90.000	-390.00	-572.88	1,959.74	1,702.84	256.90	7.628	
11,200.00	10,175.00	10,177.90	10,175.50	35.06	231.76	90.000	-390.00	-572.88	2,034.71	1,777.66	257.05	7.916	

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



Dixon Directional Anticollision Report

DIXON

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3723.50usft

Offset Depths are relative to Offset Datum

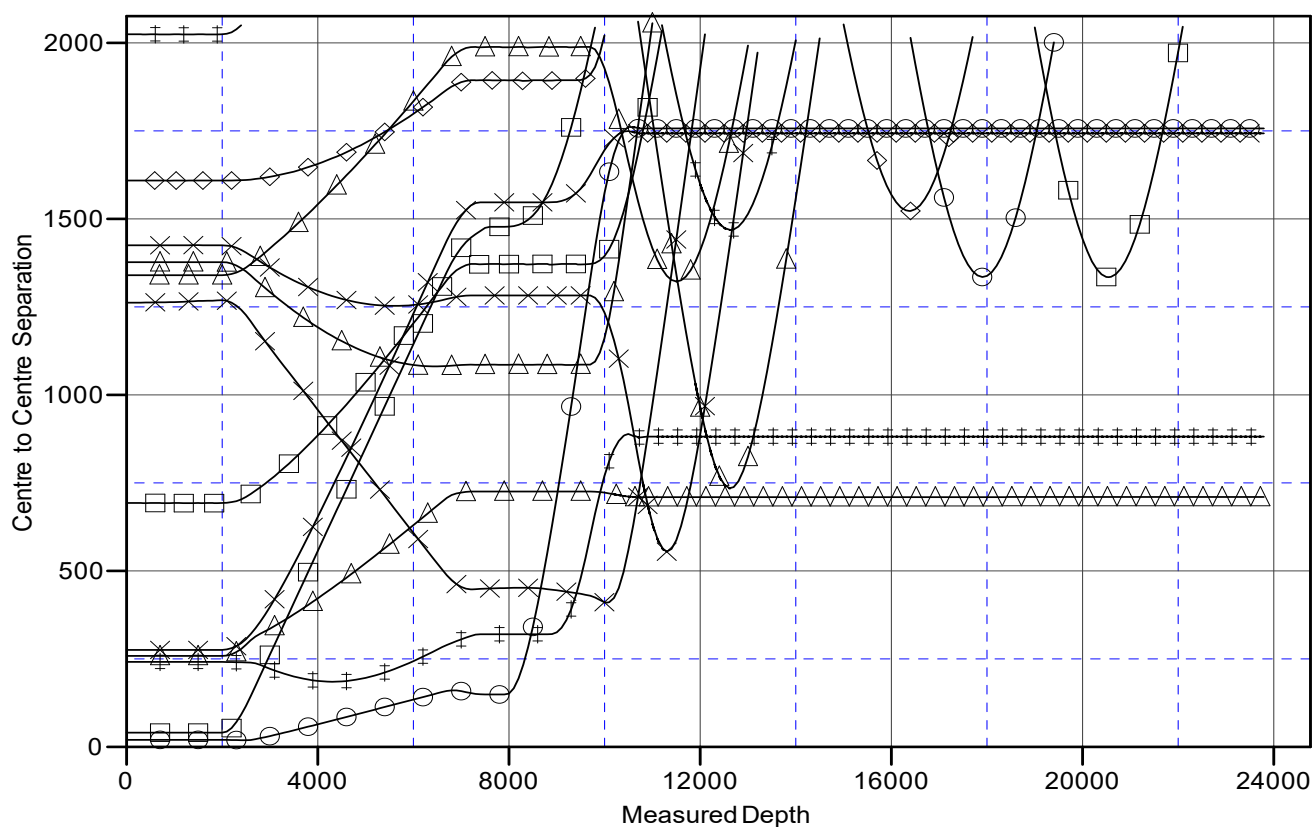
Central Meridian is -104.3333334

Coordinates are relative to: (01) Bond 32-34 FED COM #303H

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	(W14) KEELA FEDERAL 003, 33340, (Inc Only) V0	(W01) INLUSK 32 STATE 001, 35747, (Geo) V0
(02) Bond 32-34 FED COM 301H, 301H, Plan 2 V0	(W17) MAX STATE 001, 29754, (Inc Only) V0	(W11) HULKSTER 004, 39571, (Inc Only) V0
(03) Bond 32-34 FED COM 201H, 201H, Plan 2 V0	(W16) LEAR STATE SVD 003, 26703, (Inc Only) V0	(W18) MCKAY WEST FEDERAL 001, 24931, (Inc Only) V0
(03) Bond 32-34 FED COM #103H, #103H, Plan 1 V0	(W12) HULKSTER 005, 39572, (Inc Only) V0	(W05) GULF FEDERAL 002, 26310, (Inc Only) V0
(02) Bond 32-34 FED COM #101H, #101H, Plan 1 V0	(W10) HULKSTER 003, 39570, (Inc Only) V0	(W08) HULKSTER 002, 39844, (Inc Only) V0
(W22) WATKINS 32 STATE 001, 31735, (Inc Only) V0	(W08) HULKSTER 001, 38446, (Inc Only) 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 (01) Bond 32-34 FED COM #303H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#303H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3723.50usft

Offset Depths are relative to Offset Datum

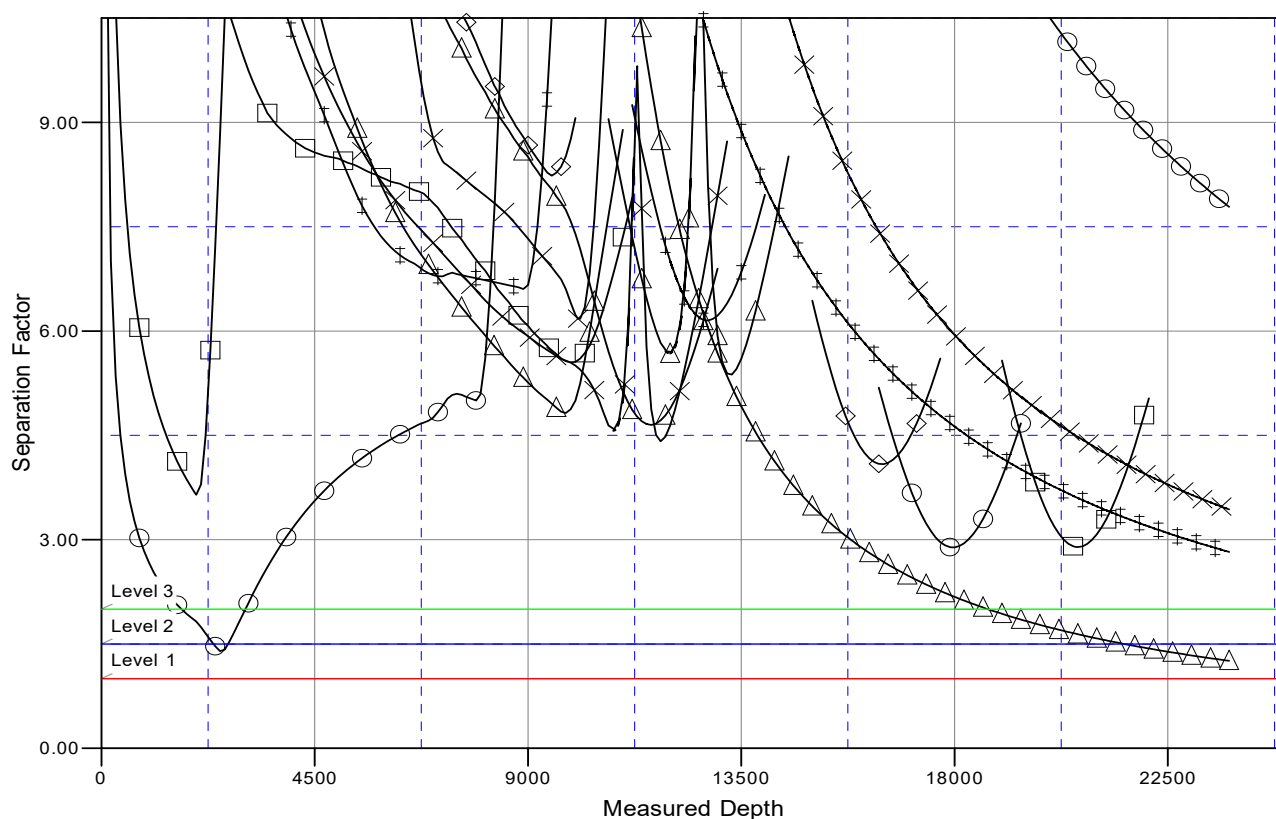
Central Meridian is -104.33333334

Coordinates are relative to: (01) Bond 32-34 FED COM #303H

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 205H, 205H, Plan 2 V0
(02) Bond 32-34 FED COM 301H, 301H, Plan 2 V0
(03) Bond 32-34 FED COM 201H, 201H, Plan 2 V0
(04) Bond 32-34 FED COM #103H, #103H, Plan 1 V0
(05) Bond 32-34 FED COM #101H, #101H, Plan 1 V0
(06) WATKINS 32 STATE 001, 31735, (Inc Only) V0



(W14) KEEL A FEDERAL 003, 33360, (Inc Only) V0
(W17) MAX STATE 001, 26754, (Inc Only) V0
(W16) LEAR STATE SVD 003, 26703, (Inc Only) V0
(W12) HULKSTER 005, 39572, (Inc Only) V0
(W10) HULKSTER 003, 39572, (Inc Only) V0
(W08) HULKSTER 001, 38446, (Inc Only) V0



(W01) NLUK 32 STATE 001, 35747, (Inc Only) V0
(W11) HULKSTER 004, 39571, (Inc Only) V0
(W18) MCKAY WEST FEDERAL 001, 24831, (Inc Only) V0
(W05) GULF FEDERAL 002, 26310, (Inc Only) V0
(W09) HULKSTER 002, 38844, (Inc Only) V0



PBEX

Lea County, NM (N83 - NME)

Bond North Pad - Phase 2

(01) Bond 32-34 FED COM #303H

TBD

#303H

Plan: Plan 1

Standard Planning Report

03 December, 2025

DIXON



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#303H		
Design:	Plan 1		

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 2				
Site Position:		Northing:	621,331.79 usft	Latitude:	32.70690489
From:	Map	Easting:	708,509.25 usft	Longitude:	-103.78984110
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	(01) Bond 32-34 FED COM #303H					
Well Position	+N/-S	0.00 usft	Northing:	621,331.79 usft	Latitude:	32.70690489
	+E/-W	0.00 usft	Easting:	708,509.25 usft	Longitude:	-103.78984110
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,693.00 usft
Grid Convergence:	0.294 °					

Wellbore	#303H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/2/2025	6.351	60.145	47,228.67828755

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	89.83	

Plan Survey Tool Program	Date	12/3/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	23,793.77 Plan 1 (#303H)	MWD+IFR1	OWSG MWD + IFR1	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,591.74	11.83	347.57	2,587.54	59.47	-13.11	2.00	2.00	0.00	347.566	
6,652.99	11.83	347.57	6,562.46	872.86	-192.46	0.00	0.00	0.00	0.000	
7,244.73	0.00	89.83	7,150.00	932.33	-205.57	2.00	-2.00	0.00	180.000	
9,696.77	0.00	89.83	9,602.04	932.33	-205.57	0.00	0.00	0.00	0.000	
10,596.77	90.00	89.83	10,175.00	934.00	367.39	10.00	10.00	0.00	0.000	
23,793.77	90.00	89.83	10,175.00	972.61	13,564.33	0.00	0.00	0.00	0.000	PBHL - (01) Bond 32-



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#303H		
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
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,100.00	2.00	347.57	2,099.98	1.70	-0.38	-0.37	2.00	2.00	0.00
2,200.00	4.00	347.57	2,199.84	6.81	-1.50	-1.48	2.00	2.00	0.00
2,300.00	6.00	347.57	2,299.45	15.33	-3.38	-3.33	2.00	2.00	0.00
2,400.00	8.00	347.57	2,398.70	27.23	-6.00	-5.92	2.00	2.00	0.00
2,500.00	10.00	347.57	2,497.47	42.50	-9.37	-9.25	2.00	2.00	0.00
2,591.74	11.83	347.57	2,587.54	59.47	-13.11	-12.94	2.00	2.00	0.00
Start 4061.24 hold at 2591.74 MD									
2,600.00	11.83	347.57	2,595.63	61.12	-13.48	-13.30	0.00	0.00	0.00
2,700.00	11.83	347.57	2,693.50	81.15	-17.89	-17.65	0.00	0.00	0.00
2,800.00	11.83	347.57	2,791.37	101.18	-22.31	-22.01	0.00	0.00	0.00
2,900.00	11.83	347.57	2,889.25	121.21	-26.72	-26.37	0.00	0.00	0.00
3,000.00	11.83	347.57	2,987.12	141.24	-31.14	-30.72	0.00	0.00	0.00
3,100.00	11.83	347.57	3,085.00	161.26	-35.56	-35.08	0.00	0.00	0.00
3,200.00	11.83	347.57	3,182.87	181.29	-39.97	-39.43	0.00	0.00	0.00
3,300.00	11.83	347.57	3,280.75	201.32	-44.39	-43.79	0.00	0.00	0.00
3,400.00	11.83	347.57	3,378.62	221.35	-48.80	-48.15	0.00	0.00	0.00
3,500.00	11.83	347.57	3,476.49	241.38	-53.22	-52.50	0.00	0.00	0.00
3,600.00	11.83	347.57	3,574.37	261.40	-57.64	-56.86	0.00	0.00	0.00
3,700.00	11.83	347.57	3,672.24	281.43	-62.05	-61.22	0.00	0.00	0.00
3,800.00	11.83	347.57	3,770.12	301.46	-66.47	-65.57	0.00	0.00	0.00
3,900.00	11.83	347.57	3,867.99	321.49	-70.88	-69.93	0.00	0.00	0.00
4,000.00	11.83	347.57	3,965.87	341.52	-75.30	-74.29	0.00	0.00	0.00
4,100.00	11.83	347.57	4,063.74	361.54	-79.72	-78.64	0.00	0.00	0.00
4,200.00	11.83	347.57	4,161.61	381.57	-84.13	-83.00	0.00	0.00	0.00
4,300.00	11.83	347.57	4,259.49	401.60	-88.55	-87.36	0.00	0.00	0.00
4,400.00	11.83	347.57	4,357.36	421.63	-92.96	-91.71	0.00	0.00	0.00
4,500.00	11.83	347.57	4,455.24	441.66	-97.38	-96.07	0.00	0.00	0.00
4,600.00	11.83	347.57	4,553.11	461.68	-101.80	-100.43	0.00	0.00	0.00
4,700.00	11.83	347.57	4,650.99	481.71	-106.21	-104.78	0.00	0.00	0.00
4,800.00	11.83	347.57	4,748.86	501.74	-110.63	-109.14	0.00	0.00	0.00
4,900.00	11.83	347.57	4,846.73	521.77	-115.04	-113.50	0.00	0.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#303H		
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)
5,000.00	11.83	347.57	4,944.61	541.80	-119.46	-117.85	0.00	0.00	0.00
5,100.00	11.83	347.57	5,042.48	561.82	-123.88	-122.21	0.00	0.00	0.00
5,200.00	11.83	347.57	5,140.36	581.85	-128.29	-126.57	0.00	0.00	0.00
5,300.00	11.83	347.57	5,238.23	601.88	-132.71	-130.92	0.00	0.00	0.00
5,400.00	11.83	347.57	5,336.11	621.91	-137.12	-135.28	0.00	0.00	0.00
5,500.00	11.83	347.57	5,433.98	641.94	-141.54	-139.64	0.00	0.00	0.00
5,600.00	11.83	347.57	5,531.85	661.97	-145.96	-143.99	0.00	0.00	0.00
5,700.00	11.83	347.57	5,629.73	681.99	-150.37	-148.35	0.00	0.00	0.00
5,800.00	11.83	347.57	5,727.60	702.02	-154.79	-152.71	0.00	0.00	0.00
5,900.00	11.83	347.57	5,825.48	722.05	-159.20	-157.06	0.00	0.00	0.00
6,000.00	11.83	347.57	5,923.35	742.08	-163.62	-161.42	0.00	0.00	0.00
6,100.00	11.83	347.57	6,021.23	762.11	-168.04	-165.77	0.00	0.00	0.00
6,200.00	11.83	347.57	6,119.10	782.13	-172.45	-170.13	0.00	0.00	0.00
6,300.00	11.83	347.57	6,216.97	802.16	-176.87	-174.49	0.00	0.00	0.00
6,400.00	11.83	347.57	6,314.85	822.19	-181.28	-178.84	0.00	0.00	0.00
6,500.00	11.83	347.57	6,412.72	842.22	-185.70	-183.20	0.00	0.00	0.00
6,600.00	11.83	347.57	6,510.60	862.25	-190.12	-187.56	0.00	0.00	0.00
6,652.99	11.83	347.57	6,562.46	872.86	-192.46	-189.87	0.00	0.00	0.00
Start Drop -2.00									
6,700.00	10.89	347.57	6,608.55	881.90	-194.45	-191.83	2.00	-2.00	0.00
6,800.00	8.89	347.57	6,707.06	898.68	-198.15	-195.48	2.00	-2.00	0.00
6,900.00	6.89	347.57	6,806.10	912.10	-201.11	-198.40	2.00	-2.00	0.00
7,000.00	4.89	347.57	6,905.57	922.13	-203.32	-200.58	2.00	-2.00	0.00
7,100.00	2.89	347.57	7,005.33	928.76	-204.78	-202.03	2.00	-2.00	0.00
7,200.00	0.89	347.57	7,105.27	931.99	-205.49	-202.73	2.00	-2.00	0.00
7,244.73	0.00	89.83	7,150.00	932.33	-205.57	-202.80	2.00	-2.00	0.00
Start 2452.04 hold at 7244.73 MD									
7,300.00	0.00	0.00	7,205.27	932.33	-205.57	-202.80	0.00	0.00	0.00
7,400.00	0.00	0.00	7,305.27	932.33	-205.57	-202.80	0.00	0.00	0.00
7,500.00	0.00	0.00	7,405.27	932.33	-205.57	-202.80	0.00	0.00	0.00
7,600.00	0.00	0.00	7,505.27	932.33	-205.57	-202.80	0.00	0.00	0.00
7,700.00	0.00	0.00	7,605.27	932.33	-205.57	-202.80	0.00	0.00	0.00
7,800.00	0.00	0.00	7,705.27	932.33	-205.57	-202.80	0.00	0.00	0.00
7,900.00	0.00	0.00	7,805.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,000.00	0.00	0.00	7,905.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,100.00	0.00	0.00	8,005.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,200.00	0.00	0.00	8,105.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,300.00	0.00	0.00	8,205.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,400.00	0.00	0.00	8,305.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,500.00	0.00	0.00	8,405.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,600.00	0.00	0.00	8,505.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,700.00	0.00	0.00	8,605.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,800.00	0.00	0.00	8,705.27	932.33	-205.57	-202.80	0.00	0.00	0.00
8,900.00	0.00	0.00	8,805.27	932.33	-205.57	-202.80	0.00	0.00	0.00
9,000.00	0.00	0.00	8,905.27	932.33	-205.57	-202.80	0.00	0.00	0.00
9,100.00	0.00	0.00	9,005.27	932.33	-205.57	-202.80	0.00	0.00	0.00
9,200.00	0.00	0.00	9,105.27	932.33	-205.57	-202.80	0.00	0.00	0.00
9,300.00	0.00	0.00	9,205.27	932.33	-205.57	-202.80	0.00	0.00	0.00
9,400.00	0.00	0.00	9,305.27	932.33	-205.57	-202.80	0.00	0.00	0.00
9,500.00	0.00	0.00	9,405.27	932.33	-205.57	-202.80	0.00	0.00	0.00
9,600.00	0.00	0.00	9,505.27	932.33	-205.57	-202.80	0.00	0.00	0.00
9,696.77	0.00	0.00	9,602.04	932.33	-205.57	-202.80	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 (01) Bond 32-34 FED COM #303H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#303H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,700.00	0.32	89.83	9,605.27	932.33	-205.56	-202.79	10.00	10.00	0.00	
9,750.00	5.32	89.83	9,655.20	932.33	-203.10	-200.33	10.00	10.00	0.00	
9,800.00	10.32	89.83	9,704.71	932.35	-196.29	-193.53	10.00	10.00	0.00	
9,850.00	15.32	89.83	9,753.45	932.39	-185.20	-182.43	10.00	10.00	0.00	
9,900.00	20.32	89.83	9,801.04	932.43	-169.90	-167.14	10.00	10.00	0.00	
9,950.00	25.32	89.83	9,847.11	932.49	-150.51	-147.75	10.00	10.00	0.00	
10,000.00	30.32	89.83	9,891.31	932.56	-127.18	-124.42	10.00	10.00	0.00	
10,050.00	35.32	89.83	9,933.32	932.64	-100.09	-97.32	10.00	10.00	0.00	
10,100.00	40.32	89.83	9,972.80	932.73	-69.44	-66.67	10.00	10.00	0.00	
10,150.00	45.32	89.83	10,009.46	932.82	-35.46	-32.70	10.00	10.00	0.00	
10,200.00	50.32	89.83	10,043.02	932.93	1.58	4.35	10.00	10.00	0.00	
10,250.00	55.32	89.83	10,073.23	933.05	41.40	44.17	10.00	10.00	0.00	
10,300.00	60.32	89.83	10,099.85	933.17	83.71	86.48	10.00	10.00	0.00	
10,350.00	65.32	89.83	10,122.68	933.30	128.18	130.94	10.00	10.00	0.00	
10,400.00	70.32	89.83	10,141.54	933.44	174.46	177.23	10.00	10.00	0.00	
10,450.00	75.32	89.83	10,156.30	933.58	222.22	224.99	10.00	10.00	0.00	
10,500.00	80.32	89.83	10,166.85	933.72	271.08	273.84	10.00	10.00	0.00	
10,550.00	85.32	89.83	10,173.09	933.87	320.67	323.44	10.00	10.00	0.00	
10,596.77	90.00	89.83	10,175.00	934.00	367.39	370.16	10.00	10.00	0.00	
Start 13197.00 hold at 10596.77 MD										
10,600.00	90.00	89.83	10,175.00	934.01	370.62	373.39	0.00	0.00	0.00	
10,700.00	90.00	89.83	10,175.00	934.31	470.62	473.39	0.00	0.00	0.00	
10,800.00	90.00	89.83	10,175.00	934.60	570.61	573.39	0.00	0.00	0.00	
10,900.00	90.00	89.83	10,175.00	934.89	670.61	673.39	0.00	0.00	0.00	
11,000.00	90.00	89.83	10,175.00	935.18	770.61	773.39	0.00	0.00	0.00	
11,100.00	90.00	89.83	10,175.00	935.48	870.61	873.39	0.00	0.00	0.00	
11,200.00	90.00	89.83	10,175.00	935.77	970.61	973.39	0.00	0.00	0.00	
11,300.00	90.00	89.83	10,175.00	936.06	1,070.61	1,073.39	0.00	0.00	0.00	
11,400.00	90.00	89.83	10,175.00	936.35	1,170.61	1,173.39	0.00	0.00	0.00	
11,500.00	90.00	89.83	10,175.00	936.65	1,270.61	1,273.39	0.00	0.00	0.00	
11,600.00	90.00	89.83	10,175.00	936.94	1,370.61	1,373.39	0.00	0.00	0.00	
11,700.00	90.00	89.83	10,175.00	937.23	1,470.61	1,473.39	0.00	0.00	0.00	
11,800.00	90.00	89.83	10,175.00	937.52	1,570.61	1,573.39	0.00	0.00	0.00	
11,900.00	90.00	89.83	10,175.00	937.82	1,670.61	1,673.39	0.00	0.00	0.00	
12,000.00	90.00	89.83	10,175.00	938.11	1,770.61	1,773.39	0.00	0.00	0.00	
12,100.00	90.00	89.83	10,175.00	938.40	1,870.61	1,873.39	0.00	0.00	0.00	
12,200.00	90.00	89.83	10,175.00	938.69	1,970.61	1,973.39	0.00	0.00	0.00	
12,300.00	90.00	89.83	10,175.00	938.99	2,070.61	2,073.39	0.00	0.00	0.00	
12,400.00	90.00	89.83	10,175.00	939.28	2,170.61	2,173.39	0.00	0.00	0.00	
12,500.00	90.00	89.83	10,175.00	939.57	2,270.61	2,273.39	0.00	0.00	0.00	
12,600.00	90.00	89.83	10,175.00	939.86	2,370.61	2,373.39	0.00	0.00	0.00	
12,700.00	90.00	89.83	10,175.00	940.16	2,470.61	2,473.39	0.00	0.00	0.00	
12,800.00	90.00	89.83	10,175.00	940.45	2,570.61	2,573.39	0.00	0.00	0.00	
12,900.00	90.00	89.83	10,175.00	940.74	2,670.61	2,673.39	0.00	0.00	0.00	
13,000.00	90.00	89.83	10,175.00	941.03	2,770.61	2,773.39	0.00	0.00	0.00	
13,100.00	90.00	89.83	10,175.00	941.33	2,870.61	2,873.39	0.00	0.00	0.00	
13,200.00	90.00	89.83	10,175.00	941.62	2,970.60	2,973.39	0.00	0.00	0.00	
13,300.00	90.00	89.83	10,175.00	941.91	3,070.60	3,073.39	0.00	0.00	0.00	
13,400.00	90.00	89.83	10,175.00	942.20	3,170.60	3,173.39	0.00	0.00	0.00	
13,500.00	90.00	89.83	10,175.00	942.50	3,270.60	3,273.39	0.00	0.00	0.00	
13,600.00	90.00	89.83	10,175.00	942.79	3,370.60	3,373.39	0.00	0.00	0.00	
13,700.00	90.00	89.83	10,175.00	943.08	3,470.60	3,473.39	0.00	0.00	0.00	
13,800.00	90.00	89.83	10,175.00	943.37	3,570.60	3,573.39	0.00	0.00	0.00	
13,900.00	90.00	89.83	10,175.00	943.67	3,670.60	3,673.39	0.00	0.00	0.00	



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#303H		
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	10,175.00	943.96	3,770.60	3,773.39	0.00	0.00	0.00
14,100.00	90.00	89.83	10,175.00	944.25	3,870.60	3,873.39	0.00	0.00	0.00
14,200.00	90.00	89.83	10,175.00	944.54	3,970.60	3,973.39	0.00	0.00	0.00
14,300.00	90.00	89.83	10,175.00	944.84	4,070.60	4,073.39	0.00	0.00	0.00
14,400.00	90.00	89.83	10,175.00	945.13	4,170.60	4,173.39	0.00	0.00	0.00
14,500.00	90.00	89.83	10,175.00	945.42	4,270.60	4,273.39	0.00	0.00	0.00
14,600.00	90.00	89.83	10,175.00	945.71	4,370.60	4,373.39	0.00	0.00	0.00
14,700.00	90.00	89.83	10,175.00	946.01	4,470.60	4,473.39	0.00	0.00	0.00
14,800.00	90.00	89.83	10,175.00	946.30	4,570.60	4,573.39	0.00	0.00	0.00
14,900.00	90.00	89.83	10,175.00	946.59	4,670.60	4,673.39	0.00	0.00	0.00
15,000.00	90.00	89.83	10,175.00	946.88	4,770.60	4,773.39	0.00	0.00	0.00
15,100.00	90.00	89.83	10,175.00	947.18	4,870.60	4,873.39	0.00	0.00	0.00
15,200.00	90.00	89.83	10,175.00	947.47	4,970.60	4,973.39	0.00	0.00	0.00
15,300.00	90.00	89.83	10,175.00	947.76	5,070.60	5,073.39	0.00	0.00	0.00
15,400.00	90.00	89.83	10,175.00	948.05	5,170.60	5,173.39	0.00	0.00	0.00
15,500.00	90.00	89.83	10,175.00	948.35	5,270.59	5,273.39	0.00	0.00	0.00
15,600.00	90.00	89.83	10,175.00	948.64	5,370.59	5,373.39	0.00	0.00	0.00
15,700.00	90.00	89.83	10,175.00	948.93	5,470.59	5,473.39	0.00	0.00	0.00
15,800.00	90.00	89.83	10,175.00	949.22	5,570.59	5,573.39	0.00	0.00	0.00
15,900.00	90.00	89.83	10,175.00	949.52	5,670.59	5,673.39	0.00	0.00	0.00
16,000.00	90.00	89.83	10,175.00	949.81	5,770.59	5,773.39	0.00	0.00	0.00
16,100.00	90.00	89.83	10,175.00	950.10	5,870.59	5,873.39	0.00	0.00	0.00
16,200.00	90.00	89.83	10,175.00	950.39	5,970.59	5,973.39	0.00	0.00	0.00
16,300.00	90.00	89.83	10,175.00	950.69	6,070.59	6,073.39	0.00	0.00	0.00
16,400.00	90.00	89.83	10,175.00	950.98	6,170.59	6,173.39	0.00	0.00	0.00
16,500.00	90.00	89.83	10,175.00	951.27	6,270.59	6,273.39	0.00	0.00	0.00
16,600.00	90.00	89.83	10,175.00	951.57	6,370.59	6,373.39	0.00	0.00	0.00
16,700.00	90.00	89.83	10,175.00	951.86	6,470.59	6,473.39	0.00	0.00	0.00
16,800.00	90.00	89.83	10,175.00	952.15	6,570.59	6,573.39	0.00	0.00	0.00
16,900.00	90.00	89.83	10,175.00	952.44	6,670.59	6,673.39	0.00	0.00	0.00
17,000.00	90.00	89.83	10,175.00	952.74	6,770.59	6,773.39	0.00	0.00	0.00
17,100.00	90.00	89.83	10,175.00	953.03	6,870.59	6,873.39	0.00	0.00	0.00
17,200.00	90.00	89.83	10,175.00	953.32	6,970.59	6,973.39	0.00	0.00	0.00
17,300.00	90.00	89.83	10,175.00	953.61	7,070.59	7,073.39	0.00	0.00	0.00
17,400.00	90.00	89.83	10,175.00	953.91	7,170.59	7,173.39	0.00	0.00	0.00
17,500.00	90.00	89.83	10,175.00	954.20	7,270.59	7,273.39	0.00	0.00	0.00
17,600.00	90.00	89.83	10,175.00	954.49	7,370.59	7,373.39	0.00	0.00	0.00
17,700.00	90.00	89.83	10,175.00	954.78	7,470.59	7,473.39	0.00	0.00	0.00
17,800.00	90.00	89.83	10,175.00	955.08	7,570.59	7,573.39	0.00	0.00	0.00
17,900.00	90.00	89.83	10,175.00	955.37	7,670.58	7,673.39	0.00	0.00	0.00
18,000.00	90.00	89.83	10,175.00	955.66	7,770.58	7,773.39	0.00	0.00	0.00
18,100.00	90.00	89.83	10,175.00	955.95	7,870.58	7,873.39	0.00	0.00	0.00
18,200.00	90.00	89.83	10,175.00	956.25	7,970.58	7,973.39	0.00	0.00	0.00
18,300.00	90.00	89.83	10,175.00	956.54	8,070.58	8,073.39	0.00	0.00	0.00
18,400.00	90.00	89.83	10,175.00	956.83	8,170.58	8,173.39	0.00	0.00	0.00
18,500.00	90.00	89.83	10,175.00	957.12	8,270.58	8,273.39	0.00	0.00	0.00
18,600.00	90.00	89.83	10,175.00	957.42	8,370.58	8,373.39	0.00	0.00	0.00
18,700.00	90.00	89.83	10,175.00	957.71	8,470.58	8,473.39	0.00	0.00	0.00
18,800.00	90.00	89.83	10,175.00	958.00	8,570.58	8,573.39	0.00	0.00	0.00
18,900.00	90.00	89.83	10,175.00	958.29	8,670.58	8,673.39	0.00	0.00	0.00
19,000.00	90.00	89.83	10,175.00	958.59	8,770.58	8,773.39	0.00	0.00	0.00
19,100.00	90.00	89.83	10,175.00	958.88	8,870.58	8,873.39	0.00	0.00	0.00
19,200.00	90.00	89.83	10,175.00	959.17	8,970.58	8,973.39	0.00	0.00	0.00
19,300.00	90.00	89.83	10,175.00	959.46	9,070.58	9,073.39	0.00	0.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#303H		
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	10,175.00	959.76	9,170.58	9,173.39	0.00	0.00	0.00
19,500.00	90.00	89.83	10,175.00	960.05	9,270.58	9,273.39	0.00	0.00	0.00
19,600.00	90.00	89.83	10,175.00	960.34	9,370.58	9,373.39	0.00	0.00	0.00
19,700.00	90.00	89.83	10,175.00	960.63	9,470.58	9,473.39	0.00	0.00	0.00
19,800.00	90.00	89.83	10,175.00	960.93	9,570.58	9,573.39	0.00	0.00	0.00
19,900.00	90.00	89.83	10,175.00	961.22	9,670.58	9,673.39	0.00	0.00	0.00
20,000.00	90.00	89.83	10,175.00	961.51	9,770.58	9,773.39	0.00	0.00	0.00
20,100.00	90.00	89.83	10,175.00	961.80	9,870.58	9,873.39	0.00	0.00	0.00
20,200.00	90.00	89.83	10,175.00	962.10	9,970.57	9,973.39	0.00	0.00	0.00
20,300.00	90.00	89.83	10,175.00	962.39	10,070.57	10,073.39	0.00	0.00	0.00
20,400.00	90.00	89.83	10,175.00	962.68	10,170.57	10,173.39	0.00	0.00	0.00
20,500.00	90.00	89.83	10,175.00	962.97	10,270.57	10,273.39	0.00	0.00	0.00
20,600.00	90.00	89.83	10,175.00	963.27	10,370.57	10,373.39	0.00	0.00	0.00
20,700.00	90.00	89.83	10,175.00	963.56	10,470.57	10,473.39	0.00	0.00	0.00
20,800.00	90.00	89.83	10,175.00	963.85	10,570.57	10,573.39	0.00	0.00	0.00
20,900.00	90.00	89.83	10,175.00	964.14	10,670.57	10,673.39	0.00	0.00	0.00
21,000.00	90.00	89.83	10,175.00	964.44	10,770.57	10,773.39	0.00	0.00	0.00
21,100.00	90.00	89.83	10,175.00	964.73	10,870.57	10,873.39	0.00	0.00	0.00
21,200.00	90.00	89.83	10,175.00	965.02	10,970.57	10,973.39	0.00	0.00	0.00
21,300.00	90.00	89.83	10,175.00	965.31	11,070.57	11,073.39	0.00	0.00	0.00
21,400.00	90.00	89.83	10,175.00	965.61	11,170.57	11,173.39	0.00	0.00	0.00
21,500.00	90.00	89.83	10,175.00	965.90	11,270.57	11,273.39	0.00	0.00	0.00
21,600.00	90.00	89.83	10,175.00	966.19	11,370.57	11,373.39	0.00	0.00	0.00
21,700.00	90.00	89.83	10,175.00	966.48	11,470.57	11,473.39	0.00	0.00	0.00
21,800.00	90.00	89.83	10,175.00	966.78	11,570.57	11,573.39	0.00	0.00	0.00
21,900.00	90.00	89.83	10,175.00	967.07	11,670.57	11,673.39	0.00	0.00	0.00
22,000.00	90.00	89.83	10,175.00	967.36	11,770.57	11,773.39	0.00	0.00	0.00
22,100.00	90.00	89.83	10,175.00	967.66	11,870.57	11,873.39	0.00	0.00	0.00
22,200.00	90.00	89.83	10,175.00	967.95	11,970.57	11,973.39	0.00	0.00	0.00
22,300.00	90.00	89.83	10,175.00	968.24	12,070.57	12,073.39	0.00	0.00	0.00
22,400.00	90.00	89.83	10,175.00	968.53	12,170.57	12,173.39	0.00	0.00	0.00
22,500.00	90.00	89.83	10,175.00	968.83	12,270.57	12,273.39	0.00	0.00	0.00
22,600.00	90.00	89.83	10,175.00	969.12	12,370.56	12,373.39	0.00	0.00	0.00
22,700.00	90.00	89.83	10,175.00	969.41	12,470.56	12,473.39	0.00	0.00	0.00
22,800.00	90.00	89.83	10,175.00	969.70	12,570.56	12,573.39	0.00	0.00	0.00
22,900.00	90.00	89.83	10,175.00	970.00	12,670.56	12,673.39	0.00	0.00	0.00
23,000.00	90.00	89.83	10,175.00	970.29	12,770.56	12,773.39	0.00	0.00	0.00
23,100.00	90.00	89.83	10,175.00	970.58	12,870.56	12,873.39	0.00	0.00	0.00
23,200.00	90.00	89.83	10,175.00	970.87	12,970.56	12,973.39	0.00	0.00	0.00
23,300.00	90.00	89.83	10,175.00	971.17	13,070.56	13,073.39	0.00	0.00	0.00
23,400.00	90.00	89.83	10,175.00	971.46	13,170.56	13,173.39	0.00	0.00	0.00
23,500.00	90.00	89.83	10,175.00	971.75	13,270.56	13,273.39	0.00	0.00	0.00
23,600.00	90.00	89.83	10,175.00	972.04	13,370.56	13,373.39	0.00	0.00	0.00
23,700.00	90.00	89.83	10,175.00	972.34	13,470.56	13,473.39	0.00	0.00	0.00
23,793.77	90.00	89.83	10,175.00	972.61	13,564.33	13,567.16	0.00	0.00	0.00
TD at 23793.77									



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM #303H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM #303H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#303H		
Design:	Plan 1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
FTP/PP - (01) Bond 32-34 F	0.00	0.00	10,175.00	934.44	516.76	622,266.23	709,026.01	32.70946597	-103.78814551
- plan hits target center									
- Point									
LTP - (01) Bond 32-34 F	0.00	0.00	10,175.00	972.43	13,514.33	622,304.22	722,023.58	32.70937957	-103.74588906
- plan misses target center by 43.77usft at 23700.00usft MD (10175.00 TVD, 972.34 N, 13470.56 E)									
- Point									
PBHL - (01) Bond 32-34	0.00	0.00	10,175.00	972.61	13,564.33	622,304.40	722,073.58	32.70937931	-103.74572650
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
2,000.00	2,000.00	0.00	0.00	Start Build 2.00
2,591.74	2,587.54	59.47	-13.11	Start 4061.24 hold at 2591.74 MD
6,652.99	6,562.46	872.86	-192.46	Start Drop -2.00
7,244.73	7,150.00	932.33	-205.57	Start 2452.04 hold at 7244.73 MD
9,696.77	9,602.04	932.33	-205.57	Start Build 10.00
10,596.77	10,175.00	934.00	367.39	Start 13197.00 hold at 10596.77 MD
23,793.77	10,175.00	972.61	13,564.33	TD at 23793.77

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 543154

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 543154
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☒	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 543154

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 543154
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mikahthomas	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/14/2026
mikahthomas	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	1/14/2026
jeffrey.harrison	Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	1/20/2026
jeffrey.harrison	All conducted logs must be submitted to the OCD.	1/20/2026
jeffrey.harrison	Prior to production of this well a change to the well name/number is required to comply with the OCD well naming convention.	1/20/2026
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.	1/20/2026
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.	1/20/2026
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	1/20/2026
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	1/20/2026