

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

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-025-55690
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)

APPROVED WITH CONDITIONS

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 / 2425 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.706539 / LONG: -103.789186 (TVD: 0 feet, MD: 0 feet)
PPP: NWNE / 330 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.710373 / LONG: -103.788145 (TVD: 9315 feet, MD: 9720 feet)
PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103563 / LONG: -103.7798872 (TVD: 9320 feet, MD: 12259 feet)
PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7103223 / LONG: -103.7627423 (TVD: 9320 feet, MD: 17532 feet)
PPP: NWNE / 330 FNL / 2637 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103396 / LONG: -103.7713143 (TVD: 9320 feet, MD: 14896 feet)
BHL: NENE / 330 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.710286 / LONG: -103.745598 (TVD: 9320 feet, MD: 22806 feet)

BLM Point of Contact

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

CONFIDENTIAL

**PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL**

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

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

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

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

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

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

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

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

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

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

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

C. PRESSURE CONTROL

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

Option 1:

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

Option 2:

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

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

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

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

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

GENERAL REQUIREMENTS

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

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

☒ Lea County

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

Long Vo (LVO) 4/11/2025



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

Operator Certification Data Report

11/30/2025

Operator

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

NAME: MIKAH THOMAS

Signed on: 04/03/2025

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: 10400103830

Submission Date: 03/17/2025

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 201H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400103830

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: 201H

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:** 201H**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_201H_C102_20250403065048.pdf

24_041778_BOND_FED_COM_201H_C102_Add_Pool_20250403065053.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	2425	FWL	18S	32E	32	Aliquot SENW	32.706539	-103.789186	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	3696			Y
KOP Leg #1	1726	FNL	2425	FWL	18S	32E	32	Aliquot SENW	32.706539	-103.789186	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	-5051	8897	8747	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 201H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-1	330	FNL	2540	FEL	18S	32E	32	Aliquot NWNE	32.710373	- 103.788145	LEA	NEW MEXICO	NEW MEXICO	S	STATE	- 5619	9720	9315	Y
PPP Leg #1-2	330	FNL	0	FWL	18S	32E	33	Aliquot NWNW	32.7103563	- 103.7798872	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18232	- 5624	12259	9320	Y
PPP Leg #1-3	330	FNL	2637	FEL	18S	32E	33	Aliquot NWNE	32.7103396	- 103.7713143	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 0556094	- 5624	14896	9320	Y
PPP Leg #1-4	330	FNL	0	FWL	18S	32E	34	Aliquot NWNW	32.7103223	- 103.7627423	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 5624	17532	9320	Y
EXIT Leg #1	330	FNL	100	FEL	18S	32E	34	Aliquot NENE	32.710287	- 103.74589	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 5624	22716	9320	Y
BHL Leg #1	330	FNL	10	FEL	18S	32E	34	Aliquot NENE	32.710286	- 103.745598	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 5624	22806	9320	Y

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

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

WELL LOCATION INFORMATION

API Number	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code	Property Name BOND 32-34 FED COM	Well Number 201H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,695.51'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,425' FWL	Latitude 32.706539°	Longitude -103.789186°	County LEA
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Bottom Hole Location

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 10' FEL	Latitude 32.710286°	Longitude -103.745598°	County LEA
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Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,425' FWL	Latitude 32.706539°	Longitude -103.789186°	County LEA
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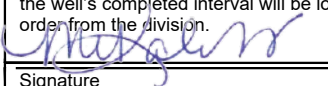
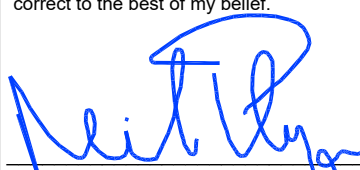
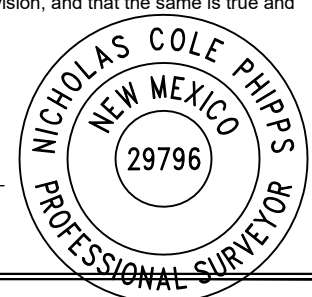
First Take Point (FTP)

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 100' FEL	Latitude 32.710287°	Longitude -103.745890°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,695.51
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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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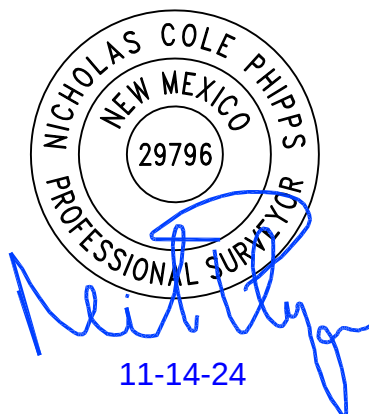
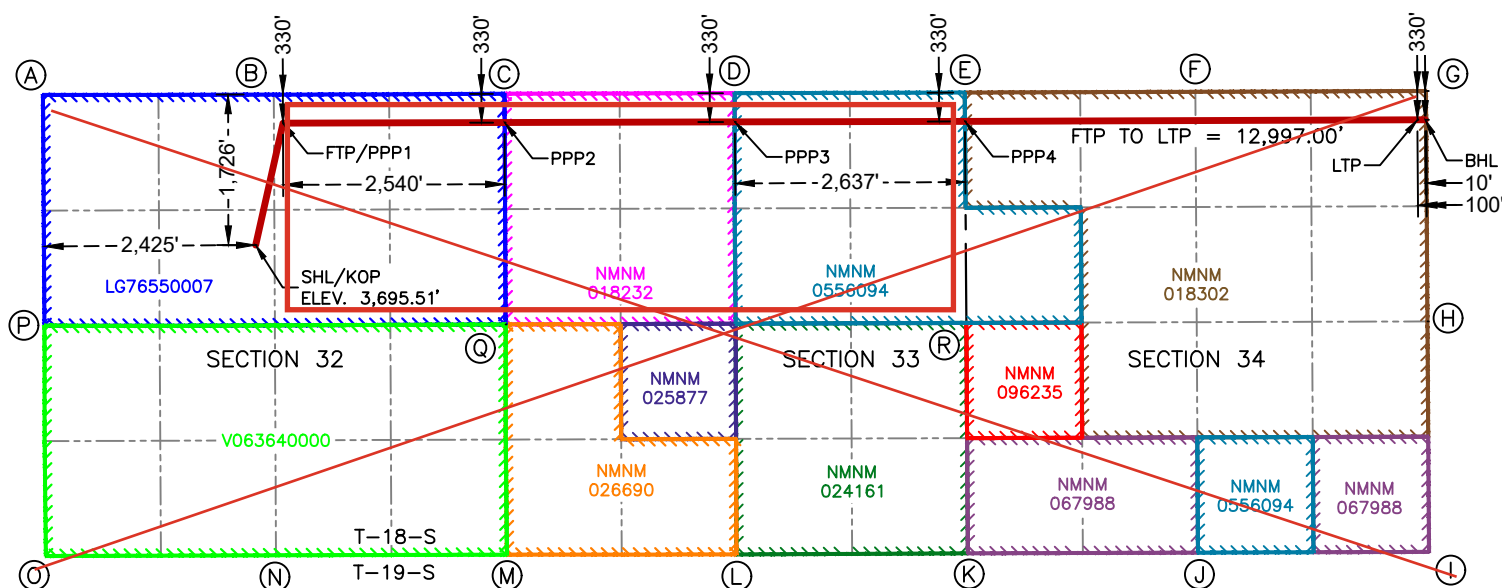
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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



SURFACE HOLE LOCATION
& KICK-OFF POINT
1,726' FNL & 2,425' FWL
ELEV. = 3,695.51'

NAD 83 X = 708,711.47'
NAD 83 Y = 621,199.65'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789186°

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

NAD 83 X = 709,024.46'
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PENETRATION POINT 2
330' FNL & 0' FWL

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

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

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

PENETRATION POINT 4
330' FNL & 0' FWL

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

LAST TAKE POINT
330' FNL & 100' FEL

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

BOTTOM HOLE LOCATION
330' FNL & 10' FEL

NAD 83 X = 722,111.40'
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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'
I	N:617,684.31' E:722,154.13'
J	N:617,675.56' E:719,507.45'
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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'

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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 201H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,695.51'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,425' FWL	Latitude 32.706539°	Longitude -103.789186°	County LEA
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Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

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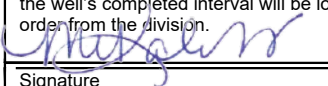
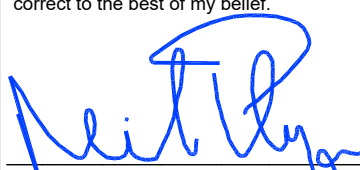
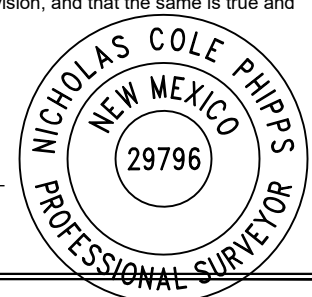
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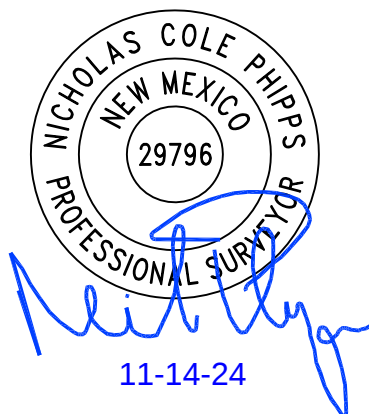
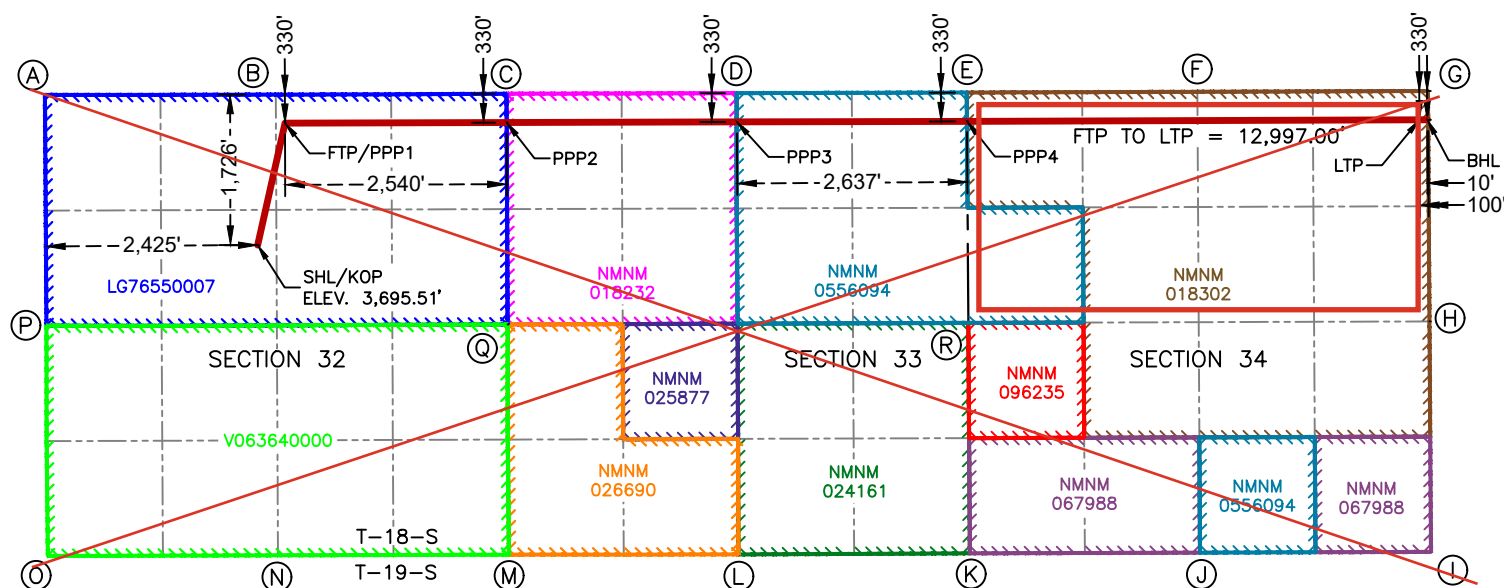
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Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'



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

Drilling Plan Data Report

11/30/2025

APD ID: 10400103830

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: 201H

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
16446949	QUATERNARY	3696	0	0	ALLUVIUM	NONE	N
16446951	RUSTLER	2546	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16446952	TOP OF SALT	2266	1430	1430	ANHYDRITE, SALT	NONE	N
16446953	BASE OF SALT	1521	2175	2185	ANHYDRITE, SALT	NONE	N
16446968	YATES	824	2872	2872	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446969	SEVEN RIVERS	501	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446970	QUEEN	-79	3775	3805	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446972	SAN ANDRES	-569	4265	4295	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446957	CHERRY CANYON	-919	4615	4655	LIMESTONE, SANDSTONE, SHALE	NONE	N
16446958	BRUSHY CANYON	-1349	5045	5085	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446959	BONE SPRING LIME	-3273	6969	6999	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446960	AVALON SAND	-3494	7190	7230	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446973	BONE SPRING 1ST	-4624	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446974	BONE SPRING 2ND	-4929	8625	8685	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16446975	BONE SPRING 2ND	-5194	8890	8950	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16446976	BONE SPRING 3RD	-5734	9430	9500	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446977	BONE SPRING 3RD	-6139	9835	9915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 201H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16446978	WOLFCAMP	-6489	10185	10275	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 5000

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

Requesting Variance? YES

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

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

Choke Diagram Attachment:

5M_Choke_EGL_20241218135422.pdf

BOP Diagram Attachment:

5M_BOP_EGL_20241218135409.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1310	0	1310	3696	2386	1310	J-55	54.5	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4000	0	3970	3643	-274	4000	J-55	40	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6
3	INTERMEDIATE	12.25	9.625	NEW	API	N	4000	4535	3970	4505	-160	-809	535	HCL-80	40	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 201H

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	22806	0	9320	3643	-5624	22806	P- 110	17	OTHER - CDC HTQ	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375_54.5000_0.3800_J55_data_sheet_20250224175356.pdf

Casing_Design_Assmpt_3_string_casing_20250224175400.pdf

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Data_Sheet_9.625_Inch_40.00__J55_BTC_SEAH_20250224175423.pdf

Casing_Design_Assmpt_3_string_casing_20250224175431.pdf

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 201H

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_20250224175501.pdf

Casing_Design_Assmpt_3_string_casing_20250224175516.pdf

Section 4 - Cement

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

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 201H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		3785	4535	240	1.33	13.2	319.2	100	C or H	Fluid Loss, Retarder, LCM
PRODUCTION	Lead		4035	7820	275	4.3	10.5	1184.4	20	H	Fluid Loss, Retarder, LCM
PRODUCTION	Tail		7820	22806	2782	1.68	13	4673.3	20	H	Fluid Loss, Retarder, LCM

Section 5 - Circulating Medium

Mud System Type: Closed**Will an air or gas system be Used?** NO**Description of the equipment for the circulating system in accordance with 43 CFR 3172:****Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:**

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

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1310	SPUD MUD	8.3	8.3							
1310	4535	SALT SATURATED	10.2	10.2							
4535	22806	OIL-BASED MUD	9.7	9.7							

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 201H

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_201H_Plan_1_20250224175809.pdf

Bond_32_34_Fed_Com_201H_Plan_1_AC_20250224175815.pdf

Bond_32_34_Fed_Com_201H_Plan_1_Plot_20250224175821.pdf

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

Choke_Kill_Line_Certs_20240221201455.pdf

NGMP_Bond_32_34_Fed_Com_20250224105901.pdf

PBEX_NM_Curve_volumes_1BSS_20250224165438.pdf

PBEX_Operations__LLC_NGMP_Best_Practices_20250212141054.pdf

Wellhead_Schematic_9.625_10M_3T_20250212135648.pdf

Bond_32_34_FED_COM__201H_Drill_Plan_v5_20250227111102.pdf

Other Variance request(s)?: N

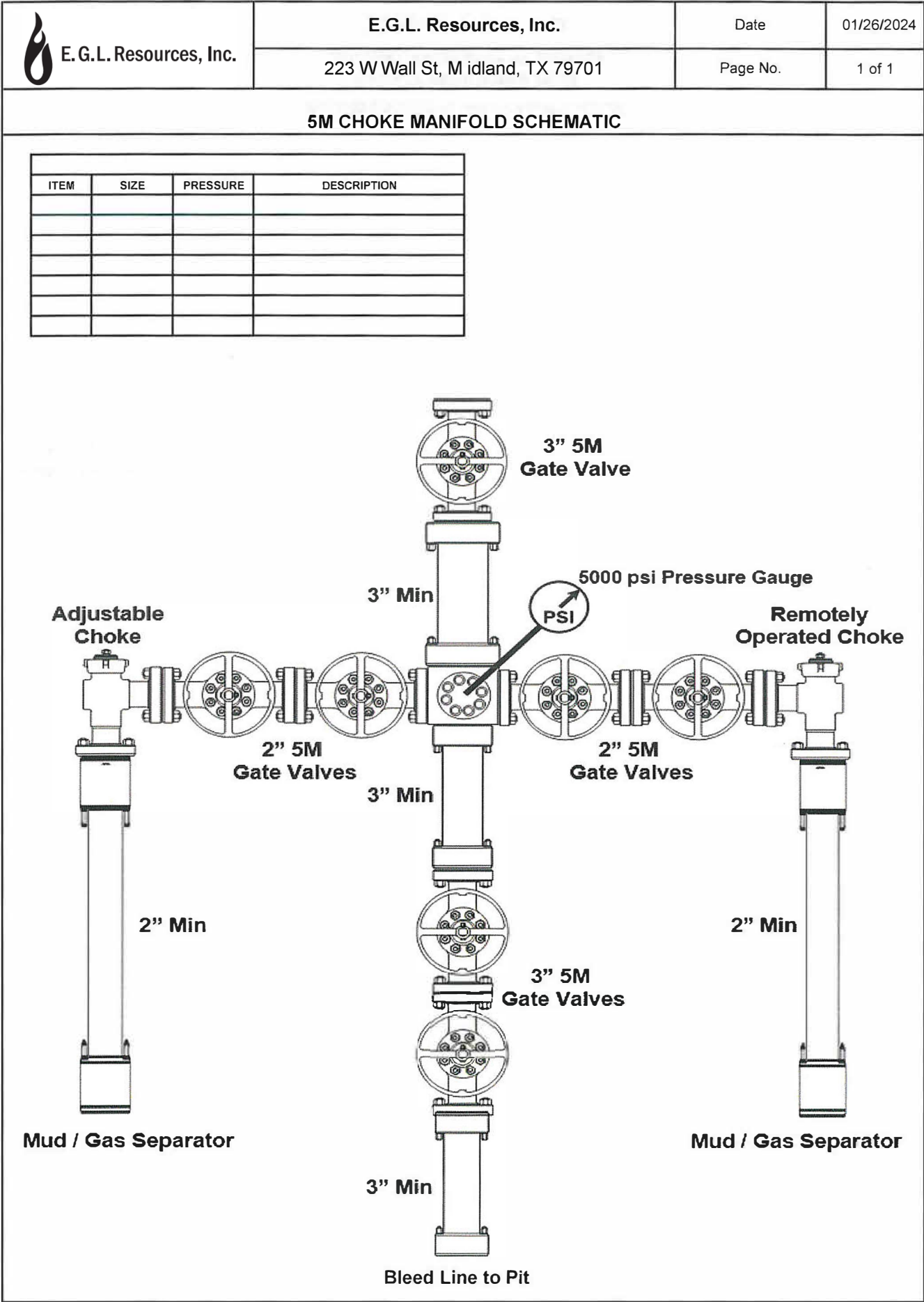
Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 201H

Other Variance attachment:

CONFIDENTIAL





E. G. L. Resources, Inc.

E.G.L. Resources, Inc.

Date

1/26/2024

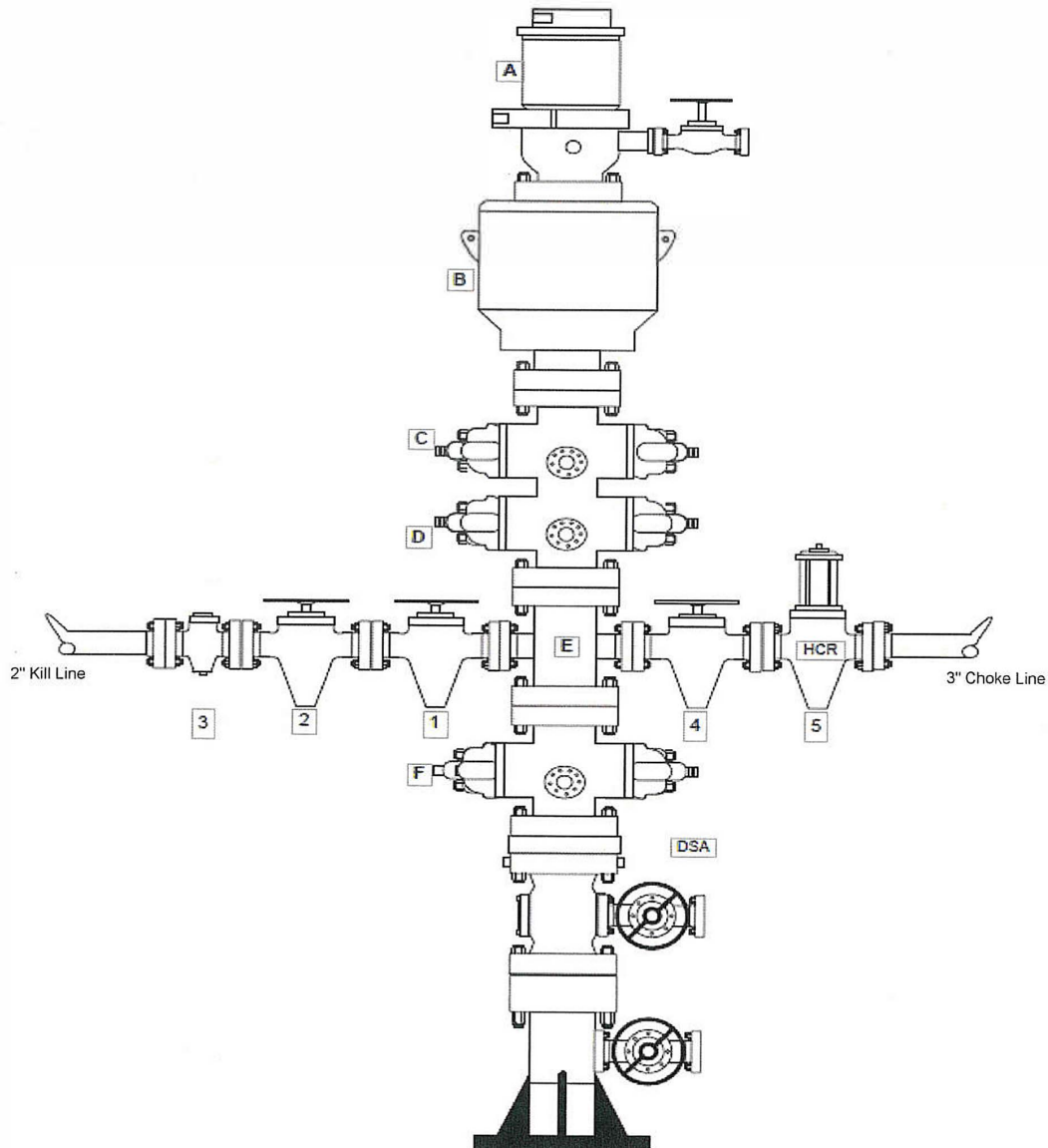
223 W Wall St, Midland, TX 79701

Page No.

1 of 1

5M BLOWOUT PREVENTER SCHEMATIC**BLOWOUT PREVENTOR COMPONENTS**

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

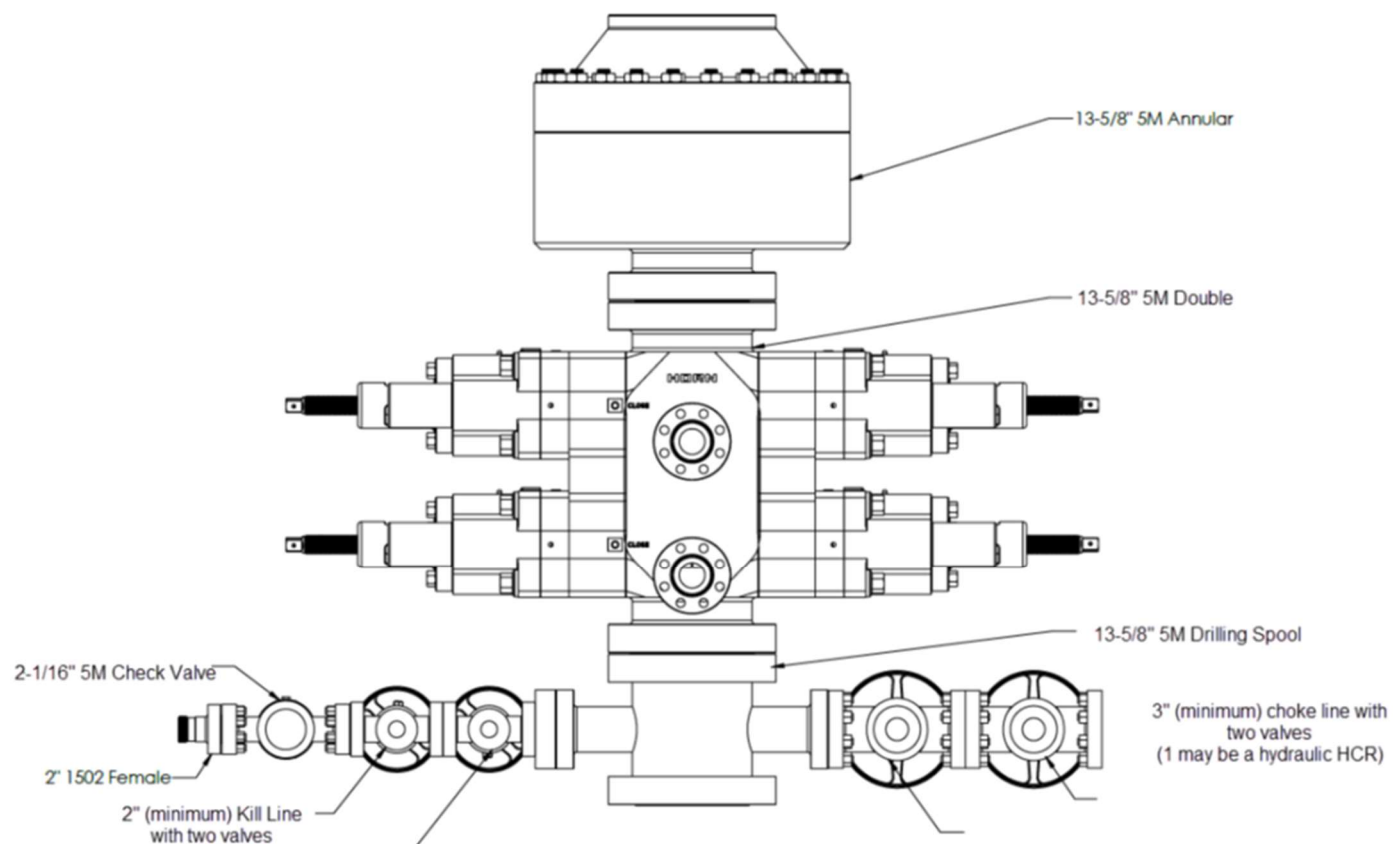
**KILL LINE**

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

CHOKE LINE

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

BOP Diagram 502H



3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

Intermediate Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but to exceed 70% of the minimum internal yield.
- b. Gas Kick: Internal burst load of a 50 bbl gas kick at the casing with drill pipe in the hole. External force will be 10.2 ppg brine water gradient (0.531 psi/ft) and internal force will be with 10.0 ppg brine water gradient (0.521 psi/ft) with gas kick.

Tensile: $DF_T = 1.60$

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

Production Casing

Collapse: $DF_C = 1.125$

- a. Full Internal Evacuation: Collapse force is equal to mud gradient (0.531 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.688 psi/ft) in which the casing will be run and internal force equivalent to fresh water displacement gradient (0.433 psi/ft).

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

API 5CT Casing Performance Data Sheet

9 5/8" 40.00 lb/ft L80 HC

Properties are based on the requirements of API 5CT 10th edition and service characteristics of L80 Grade, and bears the API monogram.

Designed for enhanced performance through increased collapse resistance.

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

Sizes and Weights

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

Pipe Body Mechanical Properties

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

Minimum Performance

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

Inspection and Testing

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

Color code

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



U. S. Steel Tubular Products

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

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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.

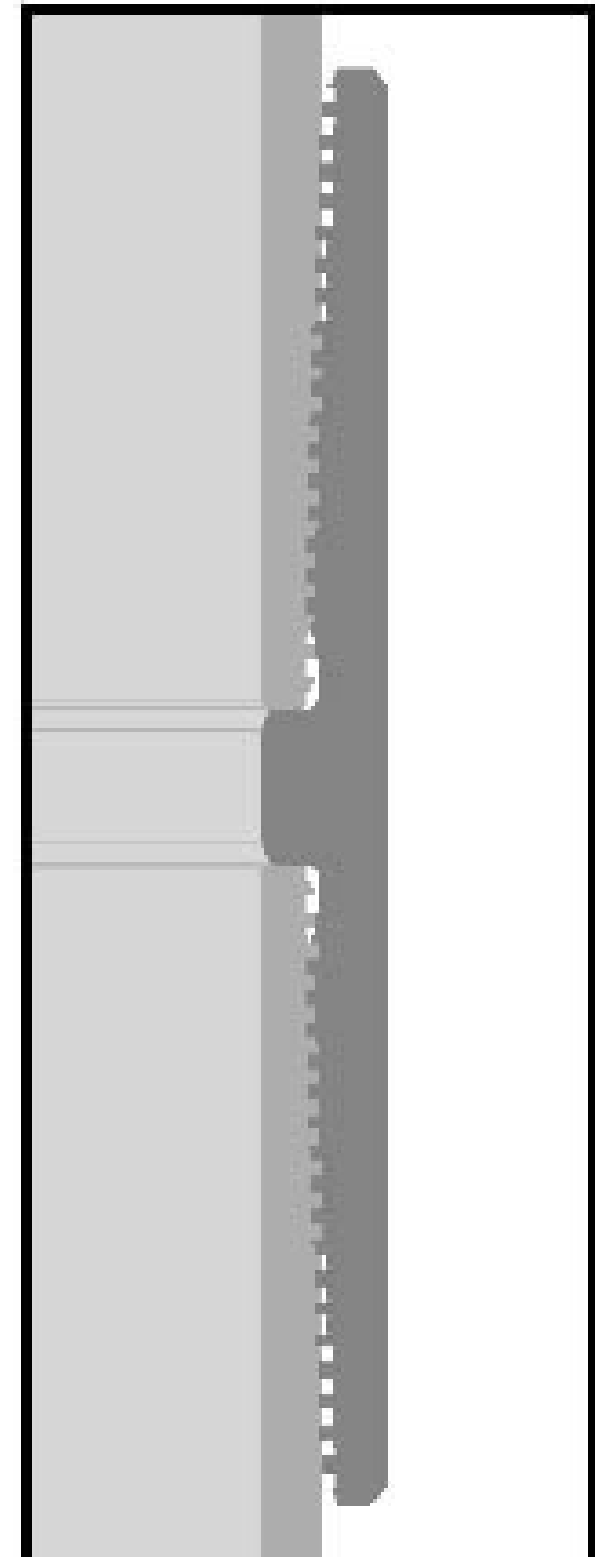
Technical Specifications

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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Fax: 713-479-3234
E-mail: VAMUSAsales@vam-usa.com



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

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

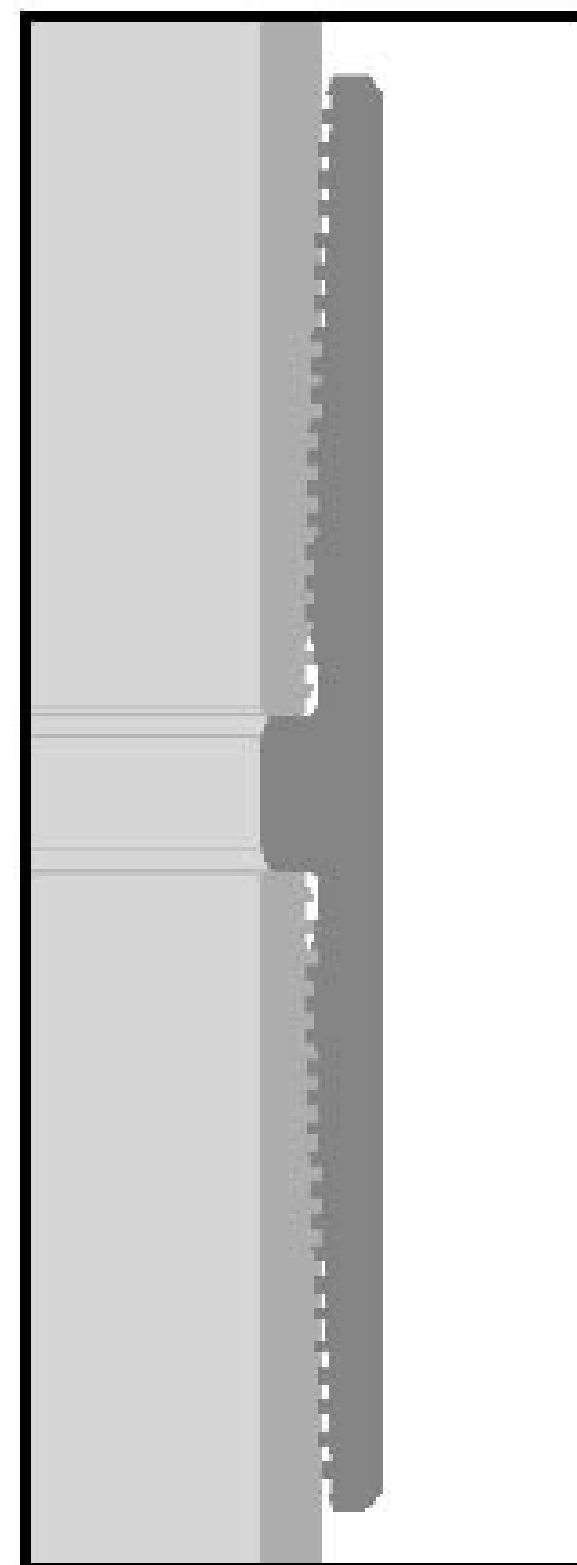
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2/6/2015



DWC Connection Data Notes:

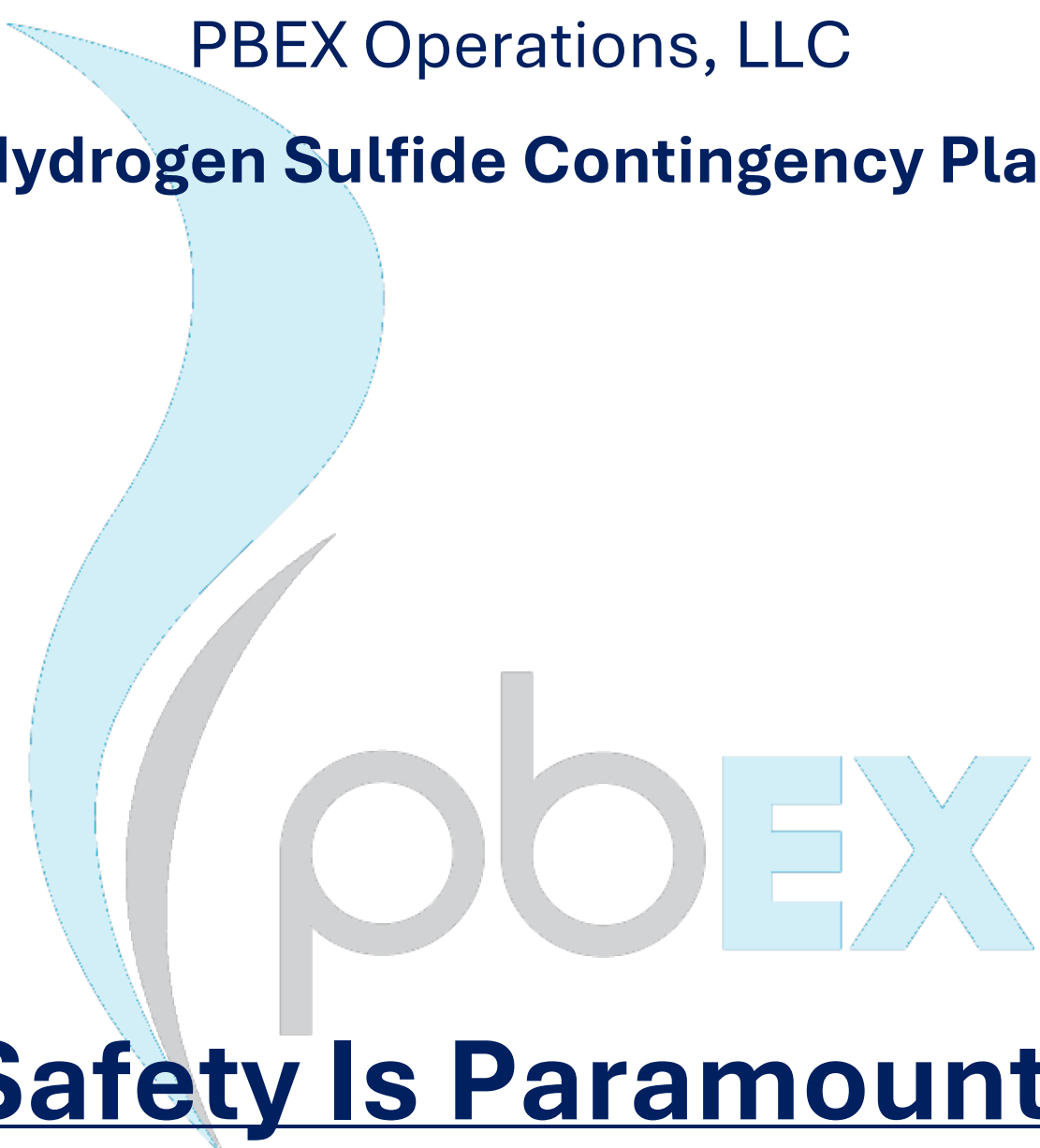
1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection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

Table of Contents

1. INTRODUCTION 3

2. PURPOSE 3

 A. Operating Procedures 3

 B. Procedures Initiated Prior To Reaching H2S 4

 H2S Contingency Plan Compliance

 C. Drilling Below Contingency Plan Depth5

 D. Procedures Program 5

 E. General 6

3. EMERGENCY PHONE NUMBERS6

4. CONDITIONS & H2S EMERGENCY PROCEDURES7

 A. Definition of Operational “Conditions” 7

 B. H2S Emergency Procedures; In Scope Personnel 9

5. SAFETY EQUIPMENT 13

6. TOXICITY OF VARIOUS GASES 14

7. PROPERTIES OF GASES 15

8. EVACUATION OF GENERAL PUBLIC 35



1. INTRODUCTION

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

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

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

2. PURPOSE

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

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

In the event there is an accidental H2S release:

- Notify and protect the general public.

- Notify the state and local government agencies.

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

This is a mandatory notification.

A. OPERATING PROCEDURES

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

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

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

GENERAL:

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

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



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

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

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

C. DRILLING BELOW CONTINGENCY PLAN DEPTH

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

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

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

D. PROCEDURES PROGRAM

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

E. GENERAL

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



3. EMERGENCY PHONE NUMBERS

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

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

Emergency Call Guidance

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

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



4. CONDITIONS AND EMERGENCY PROCEDURES

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

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

A. Definition of Operational “Conditions”

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

B. H2S Emergency Procedures- On-Site Personnel

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

Do Not Panic!

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

1. Responsibilities of Well-Site Personnel

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

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

a. Well-Site Representatives

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

b. On-Site Supervisor

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

c. H2S Safety Company Representative

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



5. SAFETY EQUIPMENT

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

6. TOXICITY OF VARIOUS GASES

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

1 Air = 1.0

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

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

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

7. PROPERTIES OF GASES

1. CARBON DIOXIDE

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

2. HYDROGEN SULFIDE

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



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

3. SULPHUR DIOXIDE

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

SO2 CONCENTRATION		
% SO2	PPM	EFFECTS
0.0005	3 to 5	Pungent odor, normally a person can detect SO ₂ in this range.
0.0012	12	Throat irritation, coughing, constriction of the chest, tearing and smarting of eyes.
0.015	150	So irritating that it can only be endured for a few minutes.
0.05	500	Causes a sense of suffocation, event with the first breath.

8. EVACUATION OF THE GENERAL PUBLIC

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

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

Please refer to updated directional plan from change of plans, attached within this document.



PBEX

**Lea, County NM (NAD 83)
Sec 33-18S-32E
Bond 32-34 Fed Com 201H**

Wellbore #1

Plan: Plan 1

Standard Planning Report

23 January, 2025





Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 201H
Company:	PBEX	TVD Reference:	GE 3696' + KB 30' @ 3726.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3696' + KB 30' @ 3726.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 201H	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 201H					
Well Position	+N/-S	0.00 usft	Northing:	621,199.65 usft	Latitude:	32.70653884
	+E/-W	0.00 usft	Easting:	708,711.47 usft	Longitude:	-103.78918590
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,726.00 usft	Ground Level:	3,696.00 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	22,805.90	Plan 1 (Wellbore #1)	MWD+IFR1+MS	
				OWSG MWD + IFR1 + Multi-St	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 201H
Company:	PBEX	TVD Reference:	GE 3696' + KB 30' @ 3726.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3696' + KB 30' @ 3726.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,154.20	13.08	352.38	2,148.53	73.72	-9.86	2.00	2.00	0.00	352.38	
7,495.81	13.08	352.38	7,351.47	1,272.28	-170.14	0.00	0.00	0.00	0.00	
8,150.02	0.00	0.00	8,000.00	1,346.00	-180.00	2.00	-2.00	0.00	180.00	
8,897.06	0.00	0.00	8,747.04	1,346.00	-180.00	0.00	0.00	0.00	0.00	
9,797.06	90.00	85.70	9,320.00	1,388.96	391.35	10.00	10.00	0.00	85.70	
10,003.59	90.00	89.83	9,320.00	1,397.01	597.68	2.00	0.00	2.00	90.00	
22,715.90	90.00	89.83	9,320.00	1,434.57	13,309.93	0.00	0.00	0.00	0.00	
22,805.90	90.00	89.83	9,320.00	1,434.84	13,399.93	0.00	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 201H
Company:	PBEX	TVD Reference:	GE 3696' + KB 30' @ 3726.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3696' + KB 30' @ 3726.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 201H	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	352.38	1,599.98	1.73	-0.23	-0.23	2.00	2.00	0.00
1,700.00	4.00	352.38	1,699.84	6.92	-0.92	-0.92	2.00	2.00	0.00
1,800.00	6.00	352.38	1,799.45	15.56	-2.08	-2.08	2.00	2.00	0.00
1,900.00	8.00	352.38	1,898.70	27.63	-3.70	-3.70	2.00	2.00	0.00
2,000.00	10.00	352.38	1,997.47	43.14	-5.77	-5.77	2.00	2.00	0.00
2,100.00	12.00	352.38	2,095.62	62.05	-8.30	-8.30	2.00	2.00	0.00
2,154.20	13.08	352.38	2,148.53	73.72	-9.86	-9.86	2.00	2.00	0.00
Start 5341.61 hold at 2154.20 MD									
2,200.00	13.08	352.38	2,193.14	83.99	-11.23	-11.23	0.00	0.00	0.00
2,300.00	13.08	352.38	2,290.54	106.43	-14.23	-14.23	0.00	0.00	0.00
2,400.00	13.08	352.38	2,387.95	128.87	-17.23	-17.23	0.00	0.00	0.00
2,500.00	13.08	352.38	2,485.35	151.31	-20.23	-20.23	0.00	0.00	0.00
2,600.00	13.08	352.38	2,582.76	173.75	-23.23	-23.23	0.00	0.00	0.00
2,700.00	13.08	352.38	2,680.16	196.18	-26.24	-26.24	0.00	0.00	0.00
2,800.00	13.08	352.38	2,777.56	218.62	-29.24	-29.24	0.00	0.00	0.00
2,900.00	13.08	352.38	2,874.97	241.06	-32.24	-32.24	0.00	0.00	0.00
3,000.00	13.08	352.38	2,972.37	263.50	-35.24	-35.24	0.00	0.00	0.00
3,100.00	13.08	352.38	3,069.78	285.94	-38.24	-38.24	0.00	0.00	0.00
3,200.00	13.08	352.38	3,167.18	308.38	-41.24	-41.24	0.00	0.00	0.00
3,300.00	13.08	352.38	3,264.58	330.81	-44.24	-44.24	0.00	0.00	0.00
3,400.00	13.08	352.38	3,361.99	353.25	-47.24	-47.24	0.00	0.00	0.00
3,500.00	13.08	352.38	3,459.39	375.69	-50.24	-50.24	0.00	0.00	0.00
3,600.00	13.08	352.38	3,556.79	398.13	-53.24	-53.24	0.00	0.00	0.00
3,700.00	13.08	352.38	3,654.20	420.57	-56.24	-56.24	0.00	0.00	0.00
3,800.00	13.08	352.38	3,751.60	443.01	-59.24	-59.24	0.00	0.00	0.00
3,900.00	13.08	352.38	3,849.01	465.44	-62.24	-62.24	0.00	0.00	0.00
4,000.00	13.08	352.38	3,946.41	487.88	-65.24	-65.24	0.00	0.00	0.00
4,100.00	13.08	352.38	4,043.81	510.32	-68.24	-68.24	0.00	0.00	0.00
4,200.00	13.08	352.38	4,141.22	532.76	-71.25	-71.25	0.00	0.00	0.00
4,300.00	13.08	352.38	4,238.62	555.20	-74.25	-74.25	0.00	0.00	0.00
4,400.00	13.08	352.38	4,336.03	577.64	-77.25	-77.25	0.00	0.00	0.00
4,500.00	13.08	352.38	4,433.43	600.07	-80.25	-80.25	0.00	0.00	0.00
4,600.00	13.08	352.38	4,530.83	622.51	-83.25	-83.25	0.00	0.00	0.00
4,700.00	13.08	352.38	4,628.24	644.95	-86.25	-86.25	0.00	0.00	0.00
4,800.00	13.08	352.38	4,725.64	667.39	-89.25	-89.25	0.00	0.00	0.00
4,900.00	13.08	352.38	4,823.05	689.83	-92.25	-92.25	0.00	0.00	0.00
5,000.00	13.08	352.38	4,920.45	712.27	-95.25	-95.25	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 201H
Company:	PBEX	TVD Reference:	GE 3696' + KB 30' @ 3726.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3696' + KB 30' @ 3726.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 201H	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	13.08	352.38	5,017.85	734.70	-98.25	-98.25	0.00	0.00	0.00	
5,200.00	13.08	352.38	5,115.26	757.14	-101.25	-101.25	0.00	0.00	0.00	
5,300.00	13.08	352.38	5,212.66	779.58	-104.25	-104.25	0.00	0.00	0.00	
5,400.00	13.08	352.38	5,310.06	802.02	-107.25	-107.25	0.00	0.00	0.00	
5,500.00	13.08	352.38	5,407.47	824.46	-110.25	-110.25	0.00	0.00	0.00	
5,600.00	13.08	352.38	5,504.87	846.90	-113.25	-113.25	0.00	0.00	0.00	
5,700.00	13.08	352.38	5,602.28	869.33	-116.26	-116.26	0.00	0.00	0.00	
5,800.00	13.08	352.38	5,699.68	891.77	-119.26	-119.26	0.00	0.00	0.00	
5,900.00	13.08	352.38	5,797.08	914.21	-122.26	-122.26	0.00	0.00	0.00	
6,000.00	13.08	352.38	5,894.49	936.65	-125.26	-125.26	0.00	0.00	0.00	
6,100.00	13.08	352.38	5,991.89	959.09	-128.26	-128.26	0.00	0.00	0.00	
6,200.00	13.08	352.38	6,089.30	981.52	-131.26	-131.26	0.00	0.00	0.00	
6,300.00	13.08	352.38	6,186.70	1,003.96	-134.26	-134.26	0.00	0.00	0.00	
6,400.00	13.08	352.38	6,284.10	1,026.40	-137.26	-137.26	0.00	0.00	0.00	
6,500.00	13.08	352.38	6,381.51	1,048.84	-140.26	-140.26	0.00	0.00	0.00	
6,600.00	13.08	352.38	6,478.91	1,071.28	-143.26	-143.26	0.00	0.00	0.00	
6,700.00	13.08	352.38	6,576.32	1,093.72	-146.26	-146.26	0.00	0.00	0.00	
6,800.00	13.08	352.38	6,673.72	1,116.15	-149.26	-149.26	0.00	0.00	0.00	
6,900.00	13.08	352.38	6,771.12	1,138.59	-152.26	-152.26	0.00	0.00	0.00	
7,000.00	13.08	352.38	6,868.53	1,161.03	-155.26	-155.26	0.00	0.00	0.00	
7,100.00	13.08	352.38	6,965.93	1,183.47	-158.26	-158.26	0.00	0.00	0.00	
7,200.00	13.08	352.38	7,063.33	1,205.91	-161.27	-161.27	0.00	0.00	0.00	
7,300.00	13.08	352.38	7,160.74	1,228.35	-164.27	-164.27	0.00	0.00	0.00	
7,400.00	13.08	352.38	7,258.14	1,250.78	-167.27	-167.27	0.00	0.00	0.00	
7,495.81	13.08	352.38	7,351.47	1,272.28	-170.14	-170.14	0.00	0.00	0.00	
Start Drop -2.00										
7,500.00	13.00	352.38	7,355.55	1,273.22	-170.27	-170.27	2.00	-2.00	0.00	
7,600.00	11.00	352.38	7,453.36	1,293.83	-173.02	-173.02	2.00	-2.00	0.00	
7,700.00	9.00	352.38	7,551.83	1,311.04	-175.32	-175.32	2.00	-2.00	0.00	
7,800.00	7.00	352.38	7,650.85	1,324.83	-177.17	-177.17	2.00	-2.00	0.00	
7,900.00	5.00	352.38	7,750.30	1,335.19	-178.55	-178.55	2.00	-2.00	0.00	
8,000.00	3.00	352.38	7,850.05	1,342.11	-179.48	-179.48	2.00	-2.00	0.00	
8,100.00	1.00	352.38	7,949.99	1,345.57	-179.94	-179.94	2.00	-2.00	0.00	
8,150.02	0.00	0.00	8,000.00	1,346.00	-180.00	-180.00	2.00	-2.00	0.00	
Start 747.04 hold at 8150.02 MD										
8,200.00	0.00	0.00	8,049.98	1,346.00	-180.00	-180.00	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,149.98	1,346.00	-180.00	-180.00	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,249.98	1,346.00	-180.00	-180.00	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,349.98	1,346.00	-180.00	-180.00	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,449.98	1,346.00	-180.00	-180.00	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,549.98	1,346.00	-180.00	-180.00	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,649.98	1,346.00	-180.00	-180.00	0.00	0.00	0.00	
8,897.06	0.00	0.00	8,747.04	1,346.00	-180.00	-180.00	0.00	0.00	0.00	
Start Build 10.00										
8,900.00	0.29	85.70	8,749.98	1,346.00	-179.99	-179.99	10.00	10.00	0.00	
8,950.00	5.29	85.70	8,799.91	1,346.18	-177.56	-177.56	10.00	10.00	0.00	
9,000.00	10.29	85.70	8,849.43	1,346.69	-170.80	-170.80	10.00	10.00	0.00	
9,050.00	15.29	85.70	8,898.17	1,347.52	-159.76	-159.76	10.00	10.00	0.00	
9,100.00	20.29	85.70	8,945.77	1,348.67	-144.53	-144.53	10.00	10.00	0.00	
9,150.00	25.29	85.70	8,991.85	1,350.12	-125.22	-125.22	10.00	10.00	0.00	
9,200.00	30.29	85.70	9,036.06	1,351.87	-101.98	-101.98	10.00	10.00	0.00	
9,250.00	35.29	85.70	9,078.08	1,353.90	-74.98	-74.98	10.00	10.00	0.00	
9,300.00	40.29	85.70	9,117.58	1,356.19	-44.44	-44.44	10.00	10.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 201H
Company:	PBEX	TVD Reference:	GE 3696' + KB 30' @ 3726.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3696' + KB 30' @ 3726.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 201H	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)
9,350.00	45.29	85.70	9,154.26	1,358.74	-10.58	-10.58	10.00	10.00	0.00
9,400.00	50.29	85.70	9,187.84	1,361.52	26.35	26.35	10.00	10.00	0.00
9,450.00	55.29	85.70	9,218.06	1,364.50	66.04	66.04	10.00	10.00	0.00
9,500.00	60.29	85.70	9,244.70	1,367.67	108.22	108.22	10.00	10.00	0.00
9,550.00	65.29	85.70	9,267.55	1,371.00	152.55	152.55	10.00	10.00	0.00
9,600.00	70.29	85.70	9,286.44	1,374.47	198.69	198.69	10.00	10.00	0.00
9,650.00	75.29	85.70	9,301.23	1,378.05	246.31	246.31	10.00	10.00	0.00
9,700.00	80.29	85.70	9,311.80	1,381.72	295.02	295.02	10.00	10.00	0.00
9,750.00	85.29	85.70	9,318.07	1,385.44	344.47	344.47	10.00	10.00	0.00
9,797.06	90.00	85.70	9,320.00	1,388.96	391.35	391.35	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
9,800.00	90.00	85.76	9,320.00	1,389.18	394.28	394.28	2.00	0.00	2.00
9,900.00	90.00	87.76	9,320.00	1,394.83	494.12	494.12	2.00	0.00	2.00
10,003.59	90.00	89.83	9,320.00	1,397.01	597.68	597.68	2.00	0.00	2.00
Start 12712.31 hold at 10003.59 MD									
10,100.00	90.00	89.83	9,320.00	1,397.30	694.09	694.09	0.00	0.00	0.00
10,200.00	90.00	89.83	9,320.00	1,397.59	794.09	794.09	0.00	0.00	0.00
10,300.00	90.00	89.83	9,320.00	1,397.89	894.09	894.09	0.00	0.00	0.00
10,400.00	90.00	89.83	9,320.00	1,398.18	994.09	994.09	0.00	0.00	0.00
10,500.00	90.00	89.83	9,320.00	1,398.48	1,094.08	1,094.08	0.00	0.00	0.00
10,600.00	90.00	89.83	9,320.00	1,398.77	1,194.08	1,194.08	0.00	0.00	0.00
10,700.00	90.00	89.83	9,320.00	1,399.07	1,294.08	1,294.08	0.00	0.00	0.00
10,800.00	90.00	89.83	9,320.00	1,399.36	1,394.08	1,394.08	0.00	0.00	0.00
10,900.00	90.00	89.83	9,320.00	1,399.66	1,494.08	1,494.08	0.00	0.00	0.00
11,000.00	90.00	89.83	9,320.00	1,399.96	1,594.08	1,594.08	0.00	0.00	0.00
11,100.00	90.00	89.83	9,320.00	1,400.25	1,694.08	1,694.08	0.00	0.00	0.00
11,200.00	90.00	89.83	9,320.00	1,400.55	1,794.08	1,794.08	0.00	0.00	0.00
11,300.00	90.00	89.83	9,320.00	1,400.84	1,894.08	1,894.08	0.00	0.00	0.00
11,400.00	90.00	89.83	9,320.00	1,401.14	1,994.08	1,994.08	0.00	0.00	0.00
11,500.00	90.00	89.83	9,320.00	1,401.43	2,094.08	2,094.08	0.00	0.00	0.00
11,600.00	90.00	89.83	9,320.00	1,401.73	2,194.08	2,194.08	0.00	0.00	0.00
11,700.00	90.00	89.83	9,320.00	1,402.02	2,294.08	2,294.08	0.00	0.00	0.00
11,800.00	90.00	89.83	9,320.00	1,402.32	2,394.08	2,394.08	0.00	0.00	0.00
11,900.00	90.00	89.83	9,320.00	1,402.61	2,494.08	2,494.08	0.00	0.00	0.00
12,000.00	90.00	89.83	9,320.00	1,402.91	2,594.08	2,594.08	0.00	0.00	0.00
12,100.00	90.00	89.83	9,320.00	1,403.21	2,694.08	2,694.08	0.00	0.00	0.00
12,200.00	90.00	89.83	9,320.00	1,403.50	2,794.08	2,794.08	0.00	0.00	0.00
12,300.00	90.00	89.83	9,320.00	1,403.80	2,894.08	2,894.08	0.00	0.00	0.00
12,400.00	90.00	89.83	9,320.00	1,404.09	2,994.08	2,994.08	0.00	0.00	0.00
12,500.00	90.00	89.83	9,320.00	1,404.39	3,094.08	3,094.08	0.00	0.00	0.00
12,600.00	90.00	89.83	9,320.00	1,404.68	3,194.08	3,194.08	0.00	0.00	0.00
12,700.00	90.00	89.83	9,320.00	1,404.98	3,294.08	3,294.08	0.00	0.00	0.00
12,800.00	90.00	89.83	9,320.00	1,405.27	3,394.07	3,394.07	0.00	0.00	0.00
12,900.00	90.00	89.83	9,320.00	1,405.57	3,494.07	3,494.07	0.00	0.00	0.00
13,000.00	90.00	89.83	9,320.00	1,405.86	3,594.07	3,594.07	0.00	0.00	0.00
13,100.00	90.00	89.83	9,320.00	1,406.16	3,694.07	3,694.07	0.00	0.00	0.00
13,200.00	90.00	89.83	9,320.00	1,406.46	3,794.07	3,794.07	0.00	0.00	0.00
13,300.00	90.00	89.83	9,320.00	1,406.75	3,894.07	3,894.07	0.00	0.00	0.00
13,400.00	90.00	89.83	9,320.00	1,407.05	3,994.07	3,994.07	0.00	0.00	0.00
13,500.00	90.00	89.83	9,320.00	1,407.34	4,094.07	4,094.07	0.00	0.00	0.00
13,600.00	90.00	89.83	9,320.00	1,407.64	4,194.07	4,194.07	0.00	0.00	0.00
13,700.00	90.00	89.83	9,320.00	1,407.93	4,294.07	4,294.07	0.00	0.00	0.00
13,800.00	90.00	89.83	9,320.00	1,408.23	4,394.07	4,394.07	0.00	0.00	0.00
13,900.00	90.00	89.83	9,320.00	1,408.52	4,494.07	4,494.07	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 201H
Company:	PBEX	TVD Reference:	GE 3696' + KB 30' @ 3726.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3696' + KB 30' @ 3726.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,000.00	90.00	89.83	9,320.00	1,408.82	4,594.07	4,594.07	0.00	0.00	0.00	
14,100.00	90.00	89.83	9,320.00	1,409.11	4,694.07	4,694.07	0.00	0.00	0.00	
14,200.00	90.00	89.83	9,320.00	1,409.41	4,794.07	4,794.07	0.00	0.00	0.00	
14,300.00	90.00	89.83	9,320.00	1,409.71	4,894.07	4,894.07	0.00	0.00	0.00	
14,400.00	90.00	89.83	9,320.00	1,410.00	4,994.07	4,994.07	0.00	0.00	0.00	
14,500.00	90.00	89.83	9,320.00	1,410.30	5,094.07	5,094.07	0.00	0.00	0.00	
14,600.00	90.00	89.83	9,320.00	1,410.59	5,194.07	5,194.07	0.00	0.00	0.00	
14,700.00	90.00	89.83	9,320.00	1,410.89	5,294.07	5,294.07	0.00	0.00	0.00	
14,800.00	90.00	89.83	9,320.00	1,411.18	5,394.07	5,394.07	0.00	0.00	0.00	
14,900.00	90.00	89.83	9,320.00	1,411.48	5,494.07	5,494.07	0.00	0.00	0.00	
15,000.00	90.00	89.83	9,320.00	1,411.77	5,594.07	5,594.07	0.00	0.00	0.00	
15,100.00	90.00	89.83	9,320.00	1,412.07	5,694.06	5,694.06	0.00	0.00	0.00	
15,200.00	90.00	89.83	9,320.00	1,412.36	5,794.06	5,794.06	0.00	0.00	0.00	
15,300.00	90.00	89.83	9,320.00	1,412.66	5,894.06	5,894.06	0.00	0.00	0.00	
15,400.00	90.00	89.83	9,320.00	1,412.96	5,994.06	5,994.06	0.00	0.00	0.00	
15,500.00	90.00	89.83	9,320.00	1,413.25	6,094.06	6,094.06	0.00	0.00	0.00	
15,600.00	90.00	89.83	9,320.00	1,413.55	6,194.06	6,194.06	0.00	0.00	0.00	
15,700.00	90.00	89.83	9,320.00	1,413.84	6,294.06	6,294.06	0.00	0.00	0.00	
15,800.00	90.00	89.83	9,320.00	1,414.14	6,394.06	6,394.06	0.00	0.00	0.00	
15,900.00	90.00	89.83	9,320.00	1,414.43	6,494.06	6,494.06	0.00	0.00	0.00	
16,000.00	90.00	89.83	9,320.00	1,414.73	6,594.06	6,594.06	0.00	0.00	0.00	
16,100.00	90.00	89.83	9,320.00	1,415.02	6,694.06	6,694.06	0.00	0.00	0.00	
16,200.00	90.00	89.83	9,320.00	1,415.32	6,794.06	6,794.06	0.00	0.00	0.00	
16,300.00	90.00	89.83	9,320.00	1,415.61	6,894.06	6,894.06	0.00	0.00	0.00	
16,400.00	90.00	89.83	9,320.00	1,415.91	6,994.06	6,994.06	0.00	0.00	0.00	
16,500.00	90.00	89.83	9,320.00	1,416.20	7,094.06	7,094.06	0.00	0.00	0.00	
16,600.00	90.00	89.83	9,320.00	1,416.50	7,194.06	7,194.06	0.00	0.00	0.00	
16,700.00	90.00	89.83	9,320.00	1,416.80	7,294.06	7,294.06	0.00	0.00	0.00	
16,800.00	90.00	89.83	9,320.00	1,417.09	7,394.06	7,394.06	0.00	0.00	0.00	
16,900.00	90.00	89.83	9,320.00	1,417.39	7,494.06	7,494.06	0.00	0.00	0.00	
17,000.00	90.00	89.83	9,320.00	1,417.68	7,594.06	7,594.06	0.00	0.00	0.00	
17,100.00	90.00	89.83	9,320.00	1,417.98	7,694.06	7,694.06	0.00	0.00	0.00	
17,200.00	90.00	89.83	9,320.00	1,418.27	7,794.06	7,794.06	0.00	0.00	0.00	
17,300.00	90.00	89.83	9,320.00	1,418.57	7,894.06	7,894.06	0.00	0.00	0.00	
17,400.00	90.00	89.83	9,320.00	1,418.86	7,994.05	7,994.05	0.00	0.00	0.00	
17,500.00	90.00	89.83	9,320.00	1,419.16	8,094.05	8,094.05	0.00	0.00	0.00	
17,600.00	90.00	89.83	9,320.00	1,419.45	8,194.05	8,194.05	0.00	0.00	0.00	
17,700.00	90.00	89.83	9,320.00	1,419.75	8,294.05	8,294.05	0.00	0.00	0.00	
17,800.00	90.00	89.83	9,320.00	1,420.05	8,394.05	8,394.05	0.00	0.00	0.00	
17,900.00	90.00	89.83	9,320.00	1,420.34	8,494.05	8,494.05	0.00	0.00	0.00	
18,000.00	90.00	89.83	9,320.00	1,420.64	8,594.05	8,594.05	0.00	0.00	0.00	
18,100.00	90.00	89.83	9,320.00	1,420.93	8,694.05	8,694.05	0.00	0.00	0.00	
18,200.00	90.00	89.83	9,320.00	1,421.23	8,794.05	8,794.05	0.00	0.00	0.00	
18,300.00	90.00	89.83	9,320.00	1,421.52	8,894.05	8,894.05	0.00	0.00	0.00	
18,400.00	90.00	89.83	9,320.00	1,421.82	8,994.05	8,994.05	0.00	0.00	0.00	
18,500.00	90.00	89.83	9,320.00	1,422.11	9,094.05	9,094.05	0.00	0.00	0.00	
18,600.00	90.00	89.83	9,320.00	1,422.41	9,194.05	9,194.05	0.00	0.00	0.00	
18,700.00	90.00	89.83	9,320.00	1,422.70	9,294.05	9,294.05	0.00	0.00	0.00	
18,800.00	90.00	89.83	9,320.00	1,423.00	9,394.05	9,394.05	0.00	0.00	0.00	
18,900.00	90.00	89.83	9,320.00	1,423.30	9,494.05	9,494.05	0.00	0.00	0.00	
19,000.00	90.00	89.83	9,320.00	1,423.59	9,594.05	9,594.05	0.00	0.00	0.00	
19,100.00	90.00	89.83	9,320.00	1,423.89	9,694.05	9,694.05	0.00	0.00	0.00	
19,200.00	90.00	89.83	9,320.00	1,424.18	9,794.05	9,794.05	0.00	0.00	0.00	
19,300.00	90.00	89.83	9,320.00	1,424.48	9,894.05	9,894.05	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 201H
Company:	PBEX	TVD Reference:	GE 3696' + KB 30' @ 3726.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3696' + KB 30' @ 3726.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,400.00	90.00	89.83	9,320.00	1,424.77	9,994.05	9,994.05	0.00	0.00	0.00	
19,500.00	90.00	89.83	9,320.00	1,425.07	10,094.05	10,094.05	0.00	0.00	0.00	
19,600.00	90.00	89.83	9,320.00	1,425.36	10,194.05	10,194.05	0.00	0.00	0.00	
19,700.00	90.00	89.83	9,320.00	1,425.66	10,294.04	10,294.04	0.00	0.00	0.00	
19,800.00	90.00	89.83	9,320.00	1,425.95	10,394.04	10,394.04	0.00	0.00	0.00	
19,900.00	90.00	89.83	9,320.00	1,426.25	10,494.04	10,494.04	0.00	0.00	0.00	
20,000.00	90.00	89.83	9,320.00	1,426.55	10,594.04	10,594.04	0.00	0.00	0.00	
20,100.00	90.00	89.83	9,320.00	1,426.84	10,694.04	10,694.04	0.00	0.00	0.00	
20,200.00	90.00	89.83	9,320.00	1,427.14	10,794.04	10,794.04	0.00	0.00	0.00	
20,300.00	90.00	89.83	9,320.00	1,427.43	10,894.04	10,894.04	0.00	0.00	0.00	
20,400.00	90.00	89.83	9,320.00	1,427.73	10,994.04	10,994.04	0.00	0.00	0.00	
20,500.00	90.00	89.83	9,320.00	1,428.02	11,094.04	11,094.04	0.00	0.00	0.00	
20,600.00	90.00	89.83	9,320.00	1,428.32	11,194.04	11,194.04	0.00	0.00	0.00	
20,700.00	90.00	89.83	9,320.00	1,428.61	11,294.04	11,294.04	0.00	0.00	0.00	
20,800.00	90.00	89.83	9,320.00	1,428.91	11,394.04	11,394.04	0.00	0.00	0.00	
20,900.00	90.00	89.83	9,320.00	1,429.20	11,494.04	11,494.04	0.00	0.00	0.00	
21,000.00	90.00	89.83	9,320.00	1,429.50	11,594.04	11,594.04	0.00	0.00	0.00	
21,100.00	90.00	89.83	9,320.00	1,429.80	11,694.04	11,694.04	0.00	0.00	0.00	
21,200.00	90.00	89.83	9,320.00	1,430.09	11,794.04	11,794.04	0.00	0.00	0.00	
21,300.00	90.00	89.83	9,320.00	1,430.39	11,894.04	11,894.04	0.00	0.00	0.00	
21,400.00	90.00	89.83	9,320.00	1,430.68	11,994.04	11,994.04	0.00	0.00	0.00	
21,500.00	90.00	89.83	9,320.00	1,430.98	12,094.04	12,094.04	0.00	0.00	0.00	
21,600.00	90.00	89.83	9,320.00	1,431.27	12,194.04	12,194.04	0.00	0.00	0.00	
21,700.00	90.00	89.83	9,320.00	1,431.57	12,294.04	12,294.04	0.00	0.00	0.00	
21,800.00	90.00	89.83	9,320.00	1,431.86	12,394.04	12,394.04	0.00	0.00	0.00	
21,900.00	90.00	89.83	9,320.00	1,432.16	12,494.04	12,494.04	0.00	0.00	0.00	
22,000.00	90.00	89.83	9,320.00	1,432.45	12,594.03	12,594.03	0.00	0.00	0.00	
22,100.00	90.00	89.83	9,320.00	1,432.75	12,694.03	12,694.03	0.00	0.00	0.00	
22,200.00	90.00	89.83	9,320.00	1,433.05	12,794.03	12,794.03	0.00	0.00	0.00	
22,300.00	90.00	89.83	9,320.00	1,433.34	12,894.03	12,894.03	0.00	0.00	0.00	
22,400.00	90.00	89.83	9,320.00	1,433.64	12,994.03	12,994.03	0.00	0.00	0.00	
22,500.00	90.00	89.83	9,320.00	1,433.93	13,094.03	13,094.03	0.00	0.00	0.00	
22,600.00	90.00	89.83	9,320.00	1,434.23	13,194.03	13,194.03	0.00	0.00	0.00	
22,700.00	90.00	89.83	9,320.00	1,434.52	13,294.03	13,294.03	0.00	0.00	0.00	
22,715.90	90.00	89.83	9,320.00	1,434.57	13,309.93	13,309.93	0.00	0.00	0.00	
Start 90.00 hold at 22715.90 MD										
22,805.90	90.00	89.83	9,320.00	1,434.84	13,399.93	13,399.93	0.00	0.00	0.00	
TD at 22805.90										



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 201H
Company:	PBEX	TVD Reference:	GE 3696' + KB 30' @ 3726.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3696' + KB 30' @ 3726.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 201H	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 201H - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	621,199.65	708,711.47	32.70653884	-103.78918590
KOP - Bond 32-34 201H - plan hits target center - Point	0.00	0.00	8,747.04	1,346.00	-180.00	622,545.65	708,531.47	32.71024096	-103.78974864
PP2 - Bond 32-34 201H - plan misses target center by 0.20usft at 12258.90usft MD (9320.00 TVD, 1403.67 N, 2852.98 E) - Point	0.00	0.00	9,320.00	1,403.47	2,852.98	622,603.12	711,564.45	32.71035579	-103.77988716
PP4 - Bond 32-34 201H - plan misses target center by 2.16usft at 17532.42usft MD (9320.00 TVD, 1419.26 N, 8126.47 E) - Point	0.00	0.00	9,320.00	1,417.10	8,126.48	622,616.75	716,837.95	32.71031642	-103.76274231
LTP - Bond 32-34 201H - plan hits target center - Point	0.00	0.00	9,320.00	1,434.57	13,309.93	622,634.22	722,021.40	32.71028663	-103.74589020
FTP - Bond 32-34 201H - plan misses target center by 14.45usft at 9719.91usft MD (9314.81 TVD, 1383.19 N, 314.65 E) - Point	0.00	0.00	9,320.00	1,396.58	312.99	622,596.23	709,024.46	32.71037302	-103.78814503
BHL - Bond 32-34 201H - plan misses target center by 0.04usft at 22805.90usft MD (9320.00 TVD, 1434.84 N, 13399.93 E) - Point	0.00	0.00	9,320.00	1,434.88	13,399.93	622,634.53	722,111.40	32.71028611	-103.74559760
PP3 - Bond 32-34 201H - plan misses target center by 1.19usft at 14895.79usft MD (9320.00 TVD, 1411.47 N, 5489.86 E) - Point	0.00	0.00	9,320.00	1,410.28	5,489.86	622,609.93	714,201.33	32.71033638	-103.77131431

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
22,897.98		20" Casing	20	24

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.00	1,500.00	0.00	0.00	Start Build 2.00
2,154.20	2,148.53	73.72	-9.86	Start 5341.61 hold at 2154.20 MD
7,495.81	7,351.47	1,272.28	-170.14	Start Drop -2.00
8,150.02	8,000.00	1,346.00	-180.00	Start 747.04 hold at 8150.02 MD
8,897.06	8,747.04	1,346.00	-180.00	Start Build 10.00
9,797.06	9,320.00	1,388.96	391.35	Start DLS 2.00 TFO 90.00
10,003.59	9,320.00	1,397.01	597.68	Start 12712.31 hold at 10003.59 MD
22,715.90	9,320.00	1,434.57	13,309.93	Start 90.00 hold at 22715.90 MD
22,805.90	9,320.00	1,434.84	13,399.93	TD at 22805.90



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTTY/QR-5.7.1-19B

No: LT2023-052-006

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

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



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESING REPORT

LTTY/QR-5.7.1-28

No: 230422006

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd edition
Product Specification	3"×10000psi×35ft (10.67m)	Serial Number	7660103
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2023.04.20
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.8%		
Hydrostatic testing			
Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.		
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage		
Graph of pressure testing:			
Conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition		
Approver	Jiaolong Chen	Auditor	Huiling Dong
Inspector	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

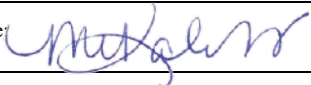
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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:

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

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

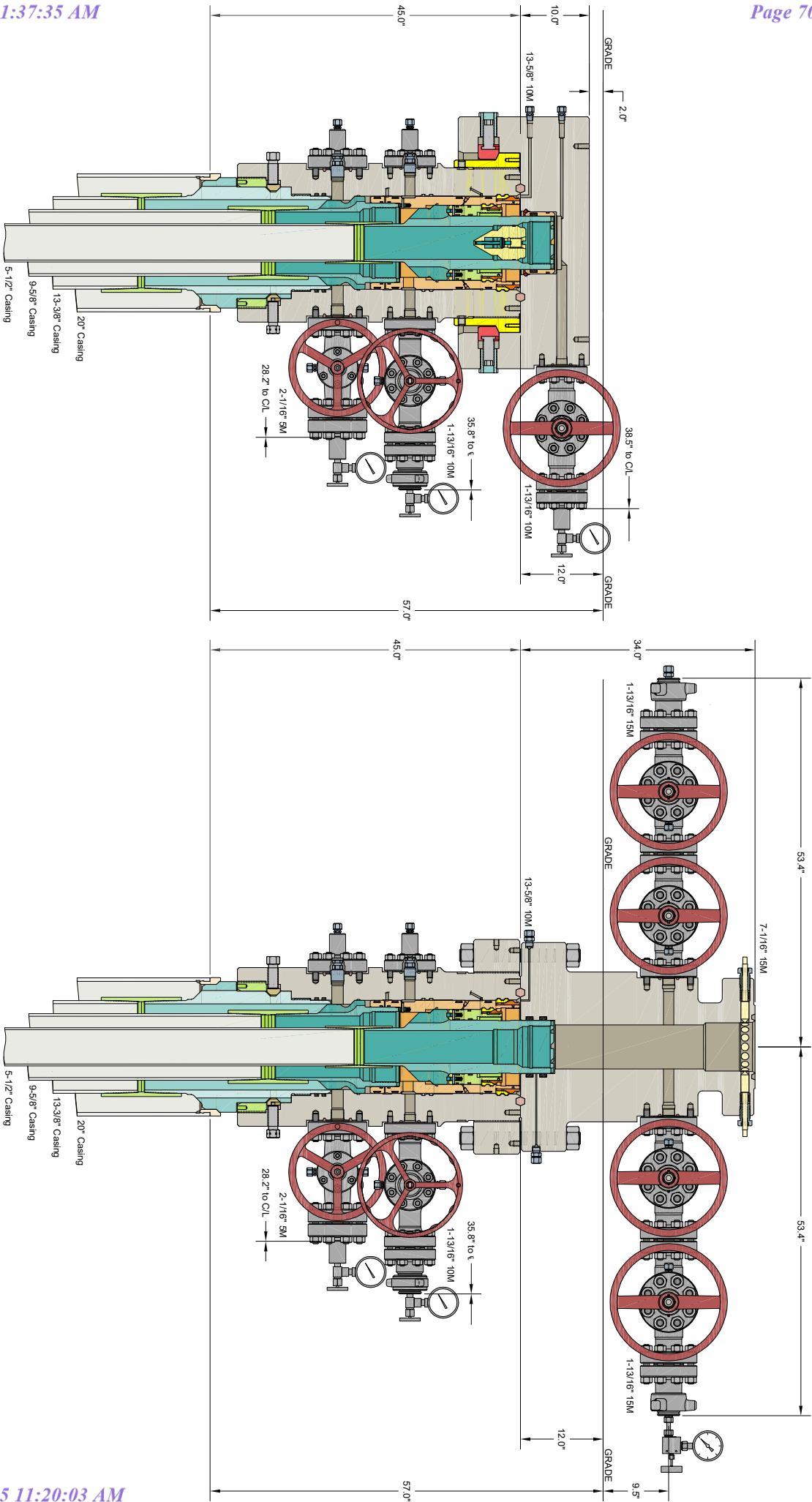
- PBEX's design for new facilities utilizes air-activated pneumatic controllers and pumps.
- If natural gas does not meet pipeline quality specifications, the gas is sampled twice per week until the gas meets the specifications.
- PBEX does not produce oil or gas until all flowlines, tank batteries,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



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

FROM HBE1335

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

PBEX OPERATIONS LLC
NEW MEXICO

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

DRAWN	DLE	12FEB25
APPRV		
DRAWING NO.	SDT-5235	

AMENDED C-102 and PLAT

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

WELL LOCATION INFORMATION

API Number 30-025-55690	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #205H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,694.68'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,465' FWL	Latitude 32.706538°	Longitude -103.789056°	County LEA
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Bottom Hole Location

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 50' FEL	Latitude 32.705146°	Longitude -103.745721°	County LEA
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Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

BOND 33-34 FED COM 301H- Defining Well

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,465' FWL	Latitude 32.706538°	Longitude -103.789056°	County LEA
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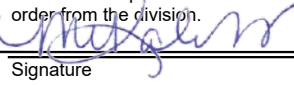
First Take Point (FTP)

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

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 100' FEL	Latitude 32.705147°	Longitude -103.745884°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,694.68
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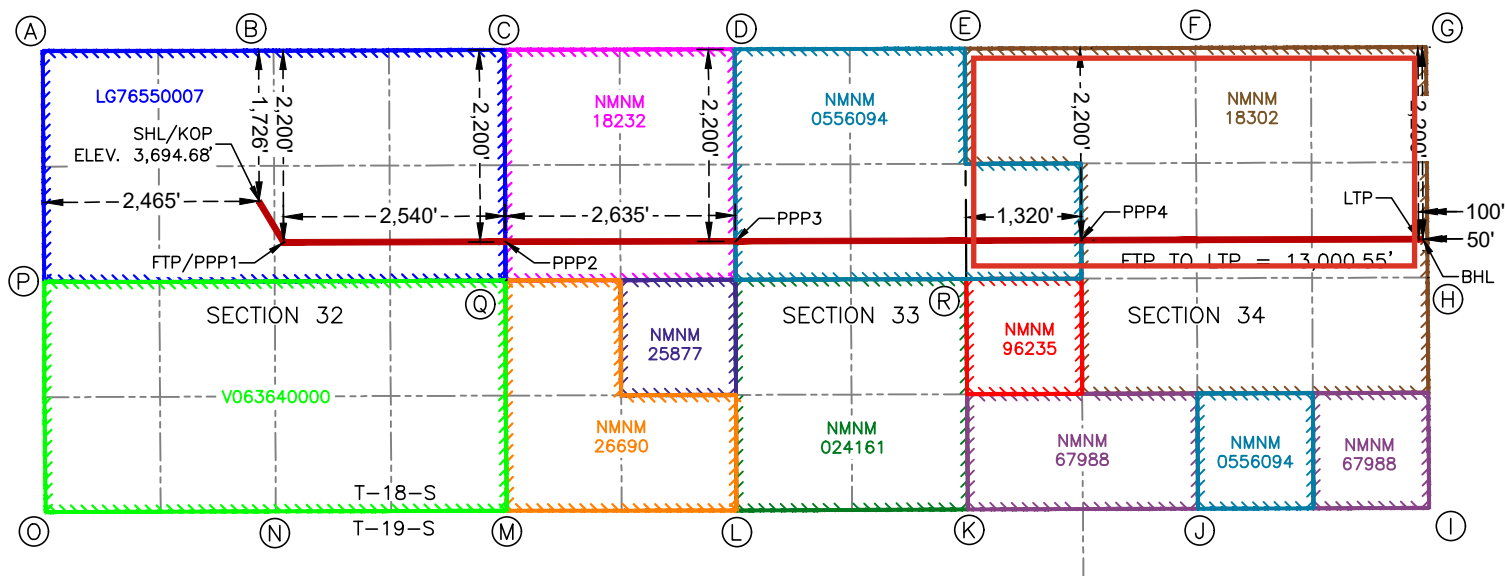
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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: 11/25/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/25/2025
Email Address		Revision Number 2	

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

ACREAGE DEDICATION PLATS

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

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

**BOND 32-34 FED COM #205H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,465' FWL
ELEV. = 3,694.68'

NAD 83 X = 708,751.47'
NAD 83 Y = 621,199.62'
NAD 83 LAT = 32.706538°
NAD 83 LONG = -103.789056°

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

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

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

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

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

NAD 83 X = 714,208.57'
NAD 83 Y = 620,739.81'
NAD 83 LAT = 32.705196°
NAD 83 LONG = -103.771323°

PENETRATION POINT 4
2,200' FNL & 1,320' FWL
NAD 83 X = 718,170.46'
NAD 83 Y = 620,751.03'
NAD 83 LAT = 32.705169°
NAD 83 LONG = -103.758443°

LAST TAKE POINT
2,200' FNL & 100' FEL
NAD 83 X = 722,033.76'
NAD 83 Y = 620,764.25'
NAD 83 LAT = 32.705147°
NAD 83 LONG = -103.745884°

BOTTOM HOLE LOCATION
2,200' FNL & 50' FEL
NAD 83 X = 722,083.76'
NAD 83 Y = 620,764.43'
NAD 83 LAT = 32.705146°
NAD 83 LONG = -103.745721°

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 30-025-55690	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #205H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,694.68'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,465' FWL	Latitude 32.706538°	Longitude -103.789056°	County LEA
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Bottom Hole Location

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 50' FEL	Latitude 32.705146°	Longitude -103.745721°	County LEA
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Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

BOND 33-34 FED COM 301H- Defining Well

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,465' FWL	Latitude 32.706538°	Longitude -103.789056°	County LEA
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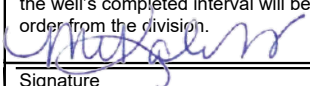
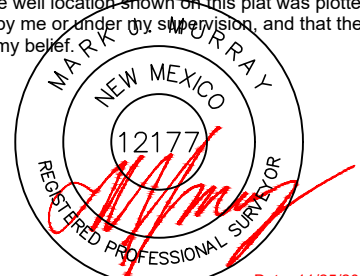
First Take Point (FTP)

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

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 100' FEL	Latitude 32.705147°	Longitude -103.745884°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,694.68
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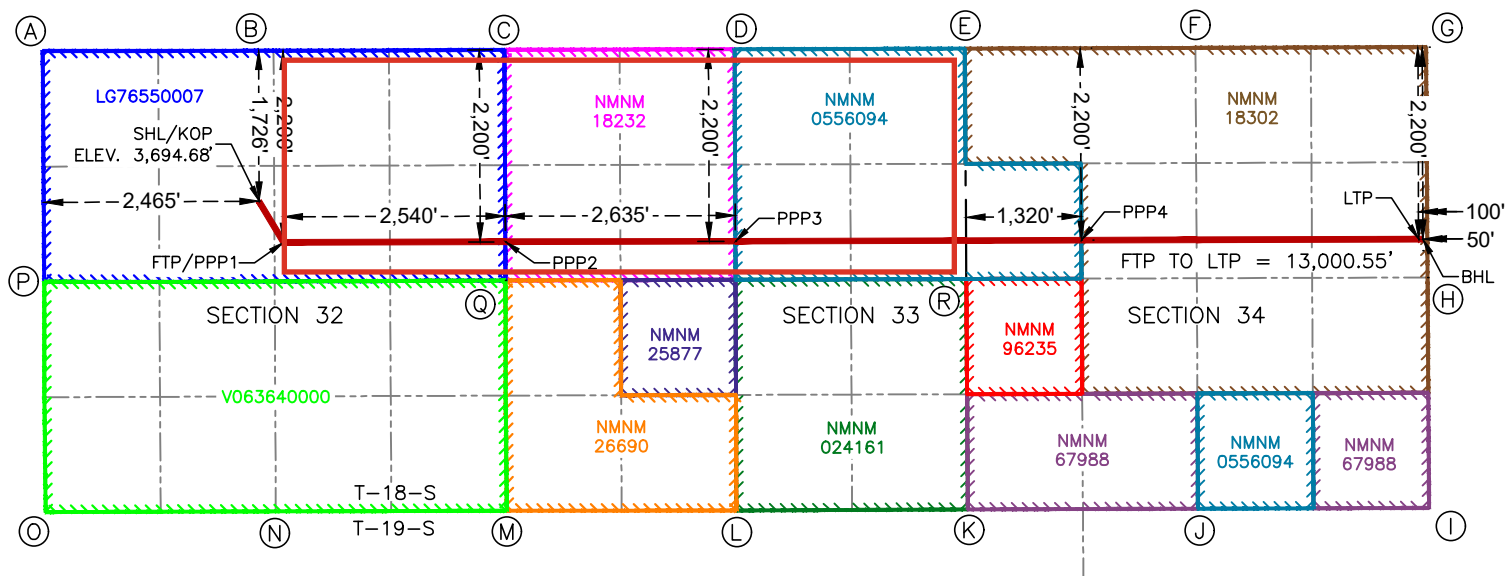
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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: 11/25/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/25/2025
Email Address		Revision Number 2	

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

ACREAGE DEDICATION PLATS

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

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

**BOND 32-34 FED COM #205H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,465' FWL
ELEV. = 3,694.68'

NAD 83 X = 708,751.47'
NAD 83 Y = 621,199.62'
NAD 83 LAT = 32.706538°
NAD 83 LONG = -103.789056°

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

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

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

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

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

NAD 83 X = 714,208.57'
NAD 83 Y = 620,739.81'
NAD 83 LAT = 32.705196°
NAD 83 LONG = -103.771323°

PENETRATION POINT 4
2,200' FNL & 1,320' FWL
NAD 83 X = 718,170.46'
NAD 83 Y = 620,751.03'
NAD 83 LAT = 32.705169°
NAD 83 LONG = -103.758443°

LAST TAKE POINT
2,200' FNL & 100' FEL
NAD 83 X = 722,033.76'
NAD 83 Y = 620,764.25'
NAD 83 LAT = 32.705147°
NAD 83 LONG = -103.745884°

BOTTOM HOLE LOCATION
2,200' FNL & 50' FEL
NAD 83 X = 722,083.76'
NAD 83 Y = 620,764.43'
NAD 83 LAT = 32.705146°
NAD 83 LONG = -103.745721°

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

Well Name: BOND 32-34 FED COM	Well Location: T18S / R32E / SEC 32 / SENW / 32.706539 / -103.789186	County or Parish/State: LEA / NM
Well Number: 201H	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: 2878976

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/16/2025	Time Sundry Submitted: 12:33
Date proposed operation will begin: 10/16/2025	

Procedure Description: AFMSS APD Number: 10400103830 PBEX Operations, LLC requests the following: Well name change: Original: BOND 32-34 FED COM 201H New: BOND 32-34 FED COM 205H 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_201H__205H_20251217153201.pdf
- Bond_32_34_Fed_Com_201H____205H_20251217153156.pdf
- 24_041778_BOND_32_34_FED_COM__205H_C102_Add_Pool_20251217153137.pdf
- 24_041778_BOND_32_34_FED_COM__205H_C102_20251217153130.pdf
- 5.5_20.00__0.361__P110_RY_92.5_RBW_USS_FREEDOM_HTQ_Data_Sheet_03_14_24_20251217153123.pdf
- Plan_2_WM__01__Bond_32_34_FED_COM_205H_20251217153116.pdf
- Plan_2_AC__01__Bond_32_34_FED_COM_205H_20251217153110.pdf
- Plan_2__01__Bond_32_34_FED_COM_205H_20251217153105.pdf

Well Name: BOND 32-34 FED COM	Well Location: T18S / R32E / SEC 32 / SENW / 32.706539 / -103.789186	County or Parish/State: LEA / NM
Well Number: 201H	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_2878976_Bond_32_34_Fed_Com_201H_Lea_NM18232_PBEX_Operations_LLC_13_22h_11_14_2024_LV_20251218082441.pdf

Bond_32_34_Fed_Com_205H_Dr_COA_20251218082441.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 17, 2025 03:32 PM
Name: PBEX OPERATIONS LLC	
Title: Regulatory Manager	
Street Address: 223 WEST WALL STREET STE 900	
City: MIDLAND	State: TX
Phone: (432) 661-7106	
Email address: MIKAH@PBEX.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: CWALLS@BLM.GOV
Disposition: Approved	Disposition Date: 12/18/2025
Signature: Chris Walls	

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

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)

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

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

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Additional Remarks

Casing/Cement/Mud change shown on attachment.

SHL, BHL, lateral move shown on attachment.

Location of Well

0. SHL: SENW / 1726 FNL / 2425 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.706539 / LONG: -103.789186 (TVD: 0 feet, MD: 0 feet)

PPP: NWNE / 330 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.710373 / LONG: -103.788145 (TVD: 9315 feet, MD: 9720 feet)

PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103563 / LONG: -103.7798872 (TVD: 9320 feet, MD: 12259 feet)

PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7103223 / LONG: -103.7627423 (TVD: 9320 feet, MD: 17532 feet)

PPP: NWNE / 330 FNL / 2637 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103396 / LONG: -103.7713143 (TVD: 9320 feet, MD: 14896 feet)

BHL: NENE / 330 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.710286 / LONG: -103.745598 (TVD: 9320 feet, MD: 22806 feet)

CONFIDENTIAL

32-18-32-F Sundry ID 2878976 Bond 32-34 Fed Com 201H Lea NM18232 PBEX Operations LLC 13-22h 11-14-2024 LV.xlsm

Bond 32-34 Fed Com 205H

13 3/8	surface csg in a		17 1/2	inch hole.		Design Factors				Surface		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50		j 55	btc	12.91	2.16	1.14	1,213	5	1.94	4.41	66,109
"B"				btc				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,382												
				Tail Cmt	does not	circ to sfc.	Totals:	1,213				
Comparison of Proposed to Minimum Required Cement Volumes												
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				
17 1/2	0.6946	1273	1820	843	116	8.30	1405	2M				
Site plot (pipe racks 5 or 6) as per D.O.D. 1.0, 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	5.05	1.76	1.22	4,535	2	2.16	3.01	181,400	
"B"											0				
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500										Totals:		4,535			
The cement volume(s) are intended to achieve a top of										0	ft from surface or a		1213	overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx		1 Stage CuFt Cmt		Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg				
12 1/4	0.3132	1141		2969		1480	101	10.20	2657	3M	0.81				
D V Tool(s):										sum of sx		Σ CuFt	Σ%excess		
t by stage % :										#VALUE!		#VALUE!			
Class 'H' tail cmt yld > 1.20															

5 1/2	casing inside the		9 5/8		Design Factors					Prod 1		
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	20.00		p 110	freedom	3.42	2.35	2.83	22,771	3	5.03	4.18	455,420
"B"							0				0	
"C"							0				0	
"D"							0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,059								Totals:	22,771		455,420	
The cement volume(s) are intended to achieve a top of								4335	ft from surface or a	200	overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg	
8 3/4	0.2526	4064	5683	4658	22	9.70					1.23	
Class 'C' tail cmt yld > 1.35												

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

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

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

WELL NAME & NO.:	Bond 32-34 Fed Com 205H
ATS/API ID:	ATS-25-1257
APD ID:	10400103830
Sundry ID:	2878976

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.

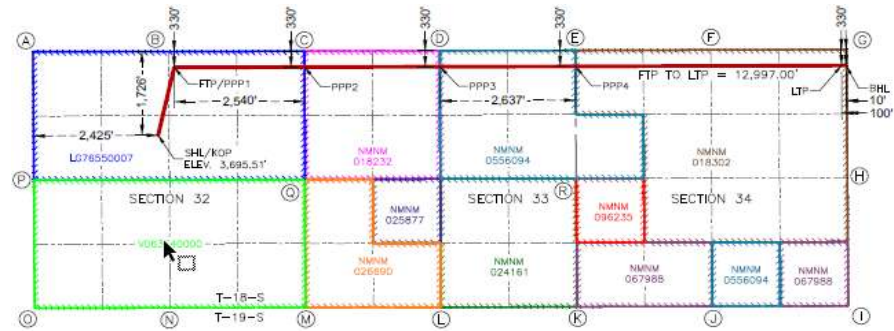
Long Vo (LVO) 12/18/2025

PPP Changes

Original- Grey

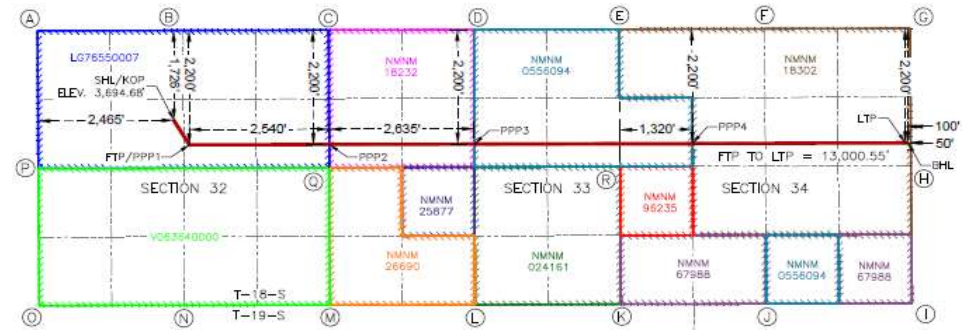
New- Blue

Original: Bond 33-34 Fed Com 201H



Original- SHL	32-18S-32E	1726 FNL & 2425 FWL	LG76550007
Original- KOP	32-18S-32E	1726 FNL & 2425 FWL	LG76550007
Original- FTP	32-18S-32E	330 FNL & 2540 FEL	LG76550007
Original- PPP2	33-18S-32E	330 FNL & 0 FWL	NMNM018232
Original- PPP3	33-18S-32E	330 FNL & 2637 FEL	NMNM0556094
Original- PPP4	34-18S-32E	330 FNL & 0 FWL	NMNM018302
Original- LTP	34-18S-32E	330 FNL & 100 FEL	NMNM018302
Original- BHL	34-18S-32E	330 FNL & 10 FEL	NMNM018302

New: Bond 33-34 Fed Com 205H



New-SHL	33-18S-32E	1726 FNL & 2465 FWL	LG76550007
New-KOP	33-18S-32E	1726 FNL & 2465 FWL	LG76550007
New-FTP	33-18S-32E	2200 FNL & 2540 FEL	LG76550007
New-PPP2	33-18S-32E	2200 FNL & 0 FWL	NMNM018232
New-PPP3	34-18S-32E	2200 FNL & 2635 FWL	NMNM0556094
New-PPP4	34-18S-32E	2200 FNL & 1320 FWL	NMNM018302
New-LTP	34-18S-32E	2200 FNL & 100 FEL	NMNM018302
New-BHL	34-18S-32E	2200 FNL & 50 FEL	NMNM018302

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

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

WELL LOCATION INFORMATION

API Number	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code	Property Name BOND 32-34 FED COM	Well Number #205H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,694.68'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,465' FWL	Latitude 32.706538°	Longitude -103.789056°	County LEA
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Bottom Hole Location

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 50' FEL	Latitude 32.705146°	Longitude -103.745721°	County LEA
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Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,465' FWL	Latitude 32.706538°	Longitude -103.789056°	County LEA
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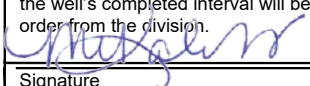
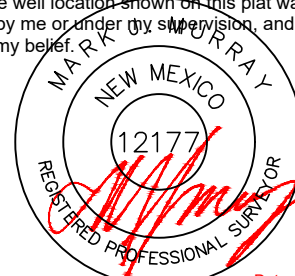
First Take Point (FTP)

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

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 100' FEL	Latitude 32.705147°	Longitude -103.745884°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,694.68
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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: 11/25/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/25/2025
Email Address		Revision Number 2	

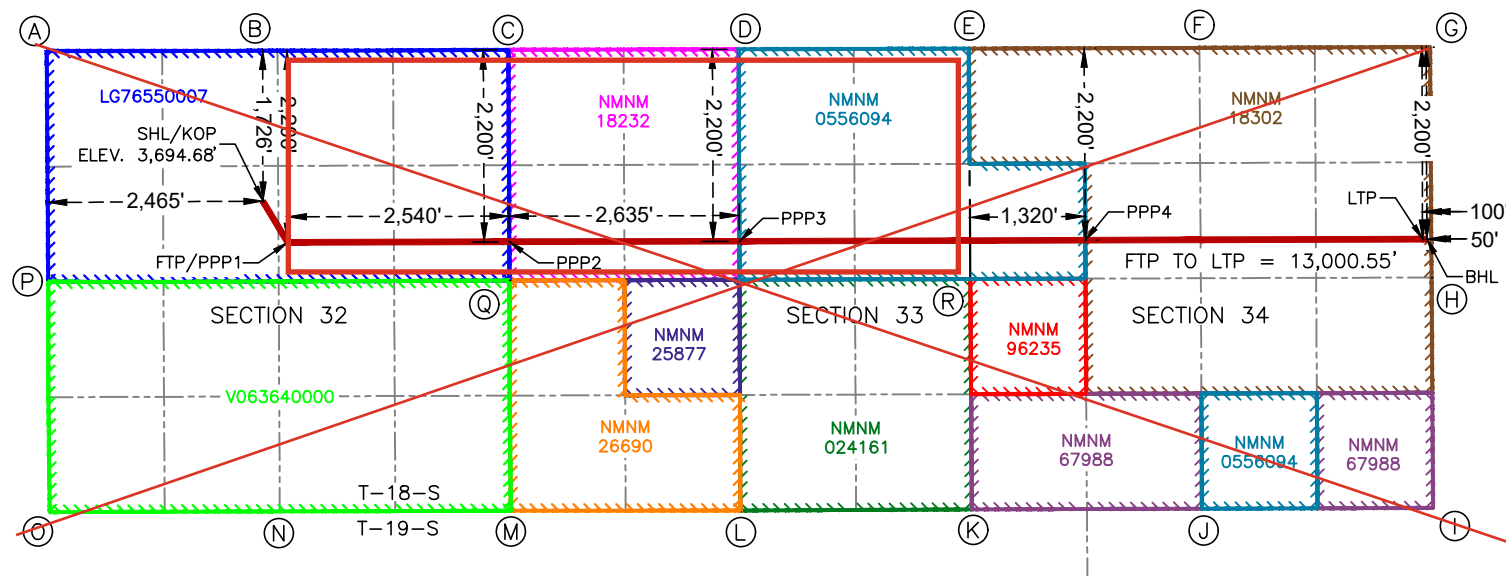
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

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

**BOND 32-34 FED COM #205H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,465' FWL
ELEV. = 3,694.68'

NAD 83 X = 708,751.47'
NAD 83 Y = 621,199.62'
NAD 83 LAT = 32.706538°
NAD 83 LONG = -103.789056°

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

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

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

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

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

NAD 83 X = 714,208.57'
NAD 83 Y = 620,739.81'
NAD 83 LAT = 32.705196°
NAD 83 LONG = -103.771323°

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

NAD 83 X = 718,170.46'
NAD 83 Y = 620,751.03'
NAD 83 LAT = 32.705169°
NAD 83 LONG = -103.758443°

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

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

BOTTOM HOLE LOCATION
2,200' FNL & 50' FEL

NAD 83 X = 722,083.76'
NAD 83 Y = 620,764.43'
NAD 83 LAT = 32.705146°
NAD 83 LONG = -103.745721°

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

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

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

WELL LOCATION INFORMATION

API Number	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code	Property Name BOND 32-34 FED COM	Well Number #205H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,694.68'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
F	32	18S	32E		1,726' FNL	2,465' FWL	32.706538°	-103.789056°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	34	18S	32E		2,200' FNL	50' FEL	32.705146°	-103.745721°	LEA

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

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
F	32	18S	32E		1,726' FNL	2,465' FWL	32.706538°	-103.789056°	LEA

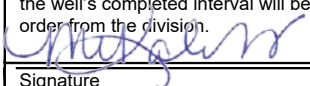
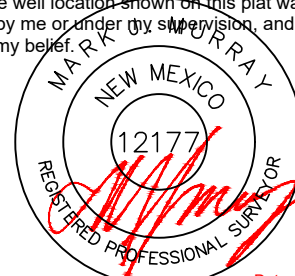
First Take Point (FTP)

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

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	34	18S	32E		2,200' FNL	100' FEL	32.705147°	-103.745884°	LEA

Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,694.68
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Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/25/2025
Email Address		Revision Number 2	

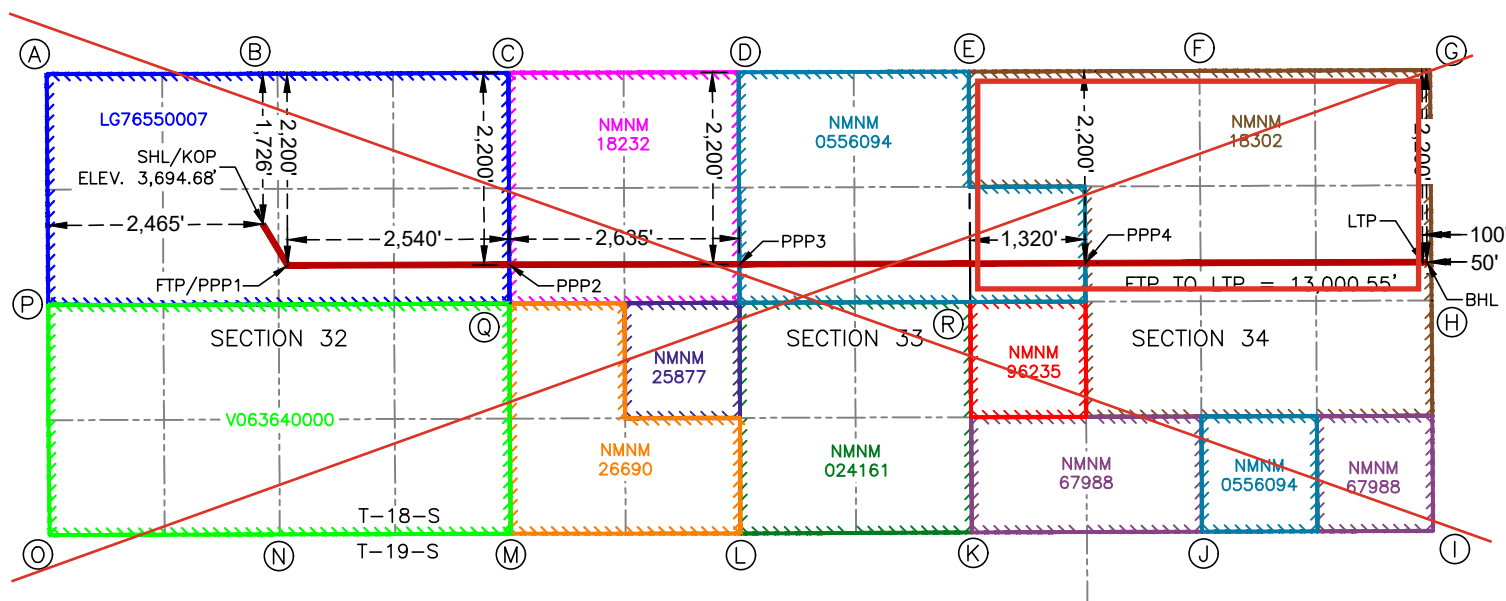
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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

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

**BOND 32-34 FED COM #205H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,465' FWL
ELEV. = 3,694.68'

NAD 83 X = 708,751.47'
NAD 83 Y = 621,199.62'
NAD 83 LAT = 32.706538°
NAD 83 LONG = -103.789056°

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

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NAD 83 LONG = -103.788148°

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

NAD 83 X = 711,573.26'
NAD 83 Y = 620,733.14'
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2,200' FNL & 2,635' FWL

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NAD 83 Y = 620,739.81'
NAD 83 LAT = 32.705196°
NAD 83 LONG = -103.771323°

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

NAD 83 X = 718,170.46'
NAD 83 Y = 620,751.03'
NAD 83 LAT = 32.705169°
NAD 83 LONG = -103.758443°

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

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

BOTTOM HOLE LOCATION
2,200' FNL & 50' FEL

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NAD 83 Y = 620,764.43'
NAD 83 LAT = 32.705146°
NAD 83 LONG = -103.745721°

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'

Bond 32-34 Fed Com 201H

Bond 32-34 Fed Com 205H

Original Design in Grey
New Design in Blue

Target Zone: BS2Carb
Target Zone: 2BSS

Casing Design- ORIGINAL

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate 1	12 1/4	9 5/8	API	no	0	4000	0	3970	J-55	40	BTC	1.125	1.125	1.6
Intermediate 2	12 1/4	9 5/8	API	no	4000	4535	3970	4505	HCL80	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	22806	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	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.55	BTC	1.125	1.125	1.6
Intermediate	12 1/4	9 5/8	API	no	0	4535	0	4480	L80HC	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	22771	0	9360	P110	20	Freedom	1.125	1.125	1.6

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

Cement Details- ORIGINAL

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	751	2.22	1667.3	12.5	100%	C	Gel, Accleerator, LCM
	Tail	1200	83	1.84	152.8	13.2	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	804	2.65	2129.5	10.5	100%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	240	1.33	319.2	13.2	100%	C or H	Fluid Loss, Retarder, LCM
Produciton	Lead	4035	275	4.3	1184.4	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	2782	1.68	4673.3	13	20%	H	Fluid Loss, Retarder, LCM

Cement Details- NEW

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accleerator, LCM
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	753	3.32	2500.5	10.5	100%	C	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	388	1.21	469.8	13.2	100%	C	Fluid Loss, Retarder, LCM
Produciton	Lead	4035	380	3.03	1152.2	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	3,684	1.23	4531.9	13.2	20%	H	Fluid Loss, Retarder, LCM

Mud Program- ORIGINAL

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.2	35-45	NC
Production	4535	22806	Oil Based Mud	9.7	35-65	4 to 6

Mud Program- NEW

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.2	35-45	NC
Production	4535	22771	Oil Based Mud	9.7	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

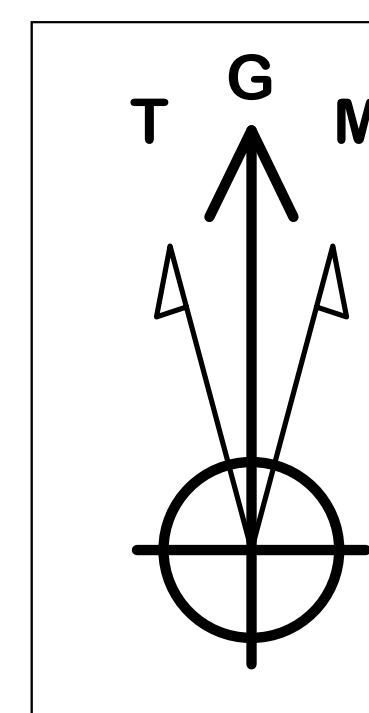
UNCONTROLLED

- 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.

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PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (01) Bond 32-34 FED COM 205H
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 @ 3725.18usft
Elevation: 3694.68
To convert a Magnetic Direction to a Grid Direction, Add 6.056°



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

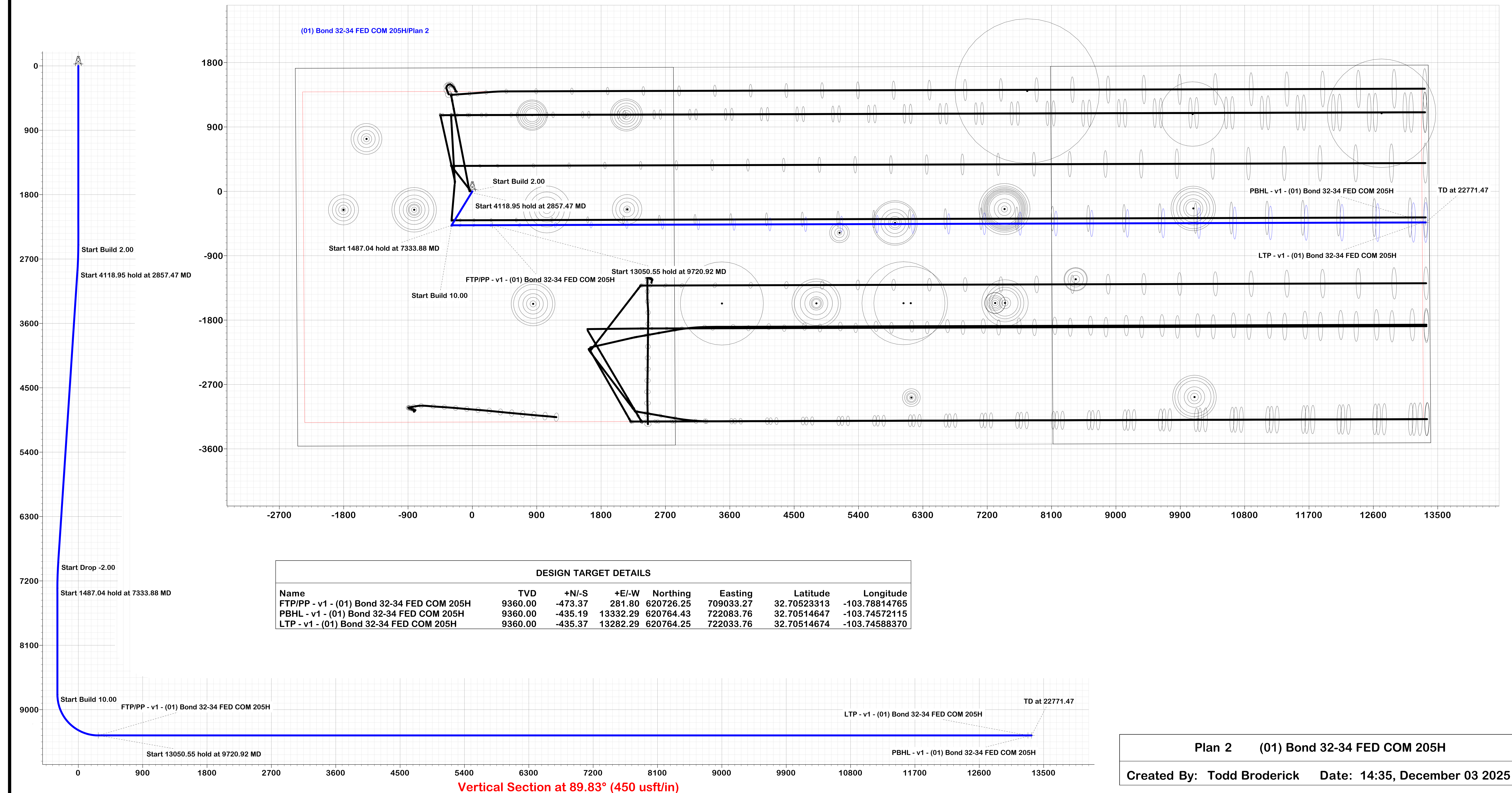
Magnetic Field
Strength: 47228.2nT
Dip Angle: 60.14°
Date: 12/3/2025
Model: IGRF2025



PBEX
Site: Bond North Pad - Phase 1
Well: (01) Bond 32-34 FED COM 205H
Wellbore: 205H
Plan: Plan 2

WELL DETAILS: (01) Bond 32-34 FED COM 205H					
		Northing	Easting	Latitude	Longitude
0.00	0.00	621199.62	708751.47	32.70653820	-103.78905586

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00
2	2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.000	0.00
3	2857.47	7.15	211.50	2856.54	-18.99	-11.64	2.00	211.504	-11.70
4	6976.41	7.15	211.50	6943.46	-456.06	-279.52	0.00	0.000	-280.87
5	7333.88	0.00	89.83	7300.00	-475.05	-291.16	2.00	180.000	-292.56
6	8820.92	0.00	89.83	8787.04	-475.05	-291.16	0.00	0.000	-292.56
7	9720.92	90.00	89.83	9360.00	-473.37	281.80	10.00	0.000	280.39
8	22771.47	90.00	89.83	9360.00	-435.19	13332.29	0.00	0.000	13330.94





PBEX

Lea County, NM (N83 - NME)

Bond North Pad - Phase 1

(01) Bond 32-34 FED COM 205H

TBD

205H

Plan 2

Anticollision Report

03 December, 2025

DIXON



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	12/3/2025
From (usft)	To (usft)	Survey (Wellbore)
0.00	22,771.47	Plan 2 (205H)
		Tool Name
		MWD+IFR1
		Description
		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						
(02) Bond 32-34 FED COM 301H - 301H - Plan 2	2,503.72	2,503.17	20.00	7.39	1.586	Level 3, CC, ES
(02) Bond 32-34 FED COM 301H - 301H - Plan 2	2,600.00	2,598.96	20.34	7.44	1.577	Level 3, SF
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	1,916.31	1,917.36	40.00	29.14	3.684	CC
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	2,000.00	2,001.05	40.00	28.88	3.597	ES
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	22,771.47	22,928.71	1,870.00	1,308.51	3.330	SF
Bond North Pad - Phase 2						
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	2,000.00	1,998.32	275.93	264.82	24.826	CC, ES
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	22,771.47	23,793.77	1,743.15	1,235.49	3.434	SF
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	2,000.00	1,998.32	269.91	258.80	24.284	CC, ES
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	22,771.47	21,880.45	1,804.39	1,309.05	3.643	SF
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	7,892.58	7,880.38	70.00	26.47	1.608	Level 3, CC
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	7,900.16	7,887.96	70.00	26.44	1.607	Level 3, ES
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	8,000.00	7,986.14	71.05	26.52	1.595	Level 3, SF
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	100.00	78.13	1,411.10	1,409.36	812.652	CC
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	2,500.00	2,476.71	1,421.54	1,403.38	78.264	ES
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	9,200.00	9,140.02	1,971.93	1,915.43	34.903	SF
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	11,884.71	9,042.09	821.38	734.57	9.461	CC
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	11,900.00	9,042.14	821.52	734.38	9.427	ES
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	12,000.00	9,042.52	829.43	740.55	9.332	SF
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)						Out of range
(W04) FIST FULL OF DOLLARS FEDERAL 001 - 33644						Out of range
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	16,880.70	9,360.83	204.80	-226.18	0.475	Level 3, CC, ES, SF
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	16,883.85	9,337.10	1,107.32	712.40	2.804	CC
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	16,900.00	9,337.10	1,107.44	712.19	2.802	ES, SF
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)						Out of range
(W08) HULKSTER 001 - 38446 - (Inc Only)	3,882.94	3,860.38	1,646.09	1,554.96	18.064	CC
(W08) HULKSTER 001 - 38446 - (Inc Only)	8,810.93	8,782.01	1,696.22	1,494.84	8.423	ES
(W08) HULKSTER 001 - 38446 - (Inc Only)	9,000.00	8,950.35	1,715.27	1,509.48	8.335	SF
(W09) HULKSTER 002 - 38844 - (Inc Only)	7,399.93	7,355.81	1,527.18	1,356.38	8.941	CC
(W09) HULKSTER 002 - 38844 - (Inc Only)	8,800.80	8,759.14	1,527.54	1,317.64	7.277	ES
(W09) HULKSTER 002 - 38844 - (Inc Only)	8,900.00	8,859.51	1,532.78	1,320.29	7.213	SF
(W10) HULKSTER 003 - 39570 - (Inc Only)	2,401.96	2,407.58	1,353.47	1,260.84	14.611	CC
(W10) HULKSTER 003 - 39570 - (Inc Only)	2,500.00	2,495.98	1,353.51	1,259.43	14.388	ES
(W10) HULKSTER 003 - 39570 - (Inc Only)	10,400.00	9,357.08	1,541.66	1,302.46	6.445	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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond Pad Offsets						
(W11) HULKSTER 004 - 39571 - (Inc Only)	11,597.39	9,367.70	1,535.49	1,259.53	5.564	CC
(W11) HULKSTER 004 - 39571 - (Inc Only)	11,600.00	9,367.70	1,535.49	1,259.49	5.563	ES
(W11) HULKSTER 004 - 39571 - (Inc Only)	11,700.00	9,367.70	1,538.92	1,261.26	5.542	SF
(W12) HULKSTER 005 - 39572 - (Inc Only)	11,602.85	9,355.20	215.56	-40.09	0.843	Level 3, CC, ES, SF
(W13) KEELA FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	15,348.68	9,351.98	14.73	-327.30	0.043	Level 3, CC, ES, SF
(W15) KEELA FEDERAL 004 - 33499 - (Inc Only)						Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	10,284.65	9,351.39	1,101.54	865.02	4.657	CC
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	10,300.00	9,351.39	1,101.64	864.86	4.653	ES
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	10,400.00	9,351.39	1,107.56	869.06	4.644	SF
(W17) MAX STATE 001 - 26754 - (Inc Only)	10,481.02	9,346.27	217.96	-37.34	0.854	Level 3, CC, ES, SF
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	19,520.85	9,361.37	205.42	-231.41	0.470	Level 3, CC, ES, SF
(W19) SPEAR FEDERAL 001 - 33645 - (Inc Only)						Out of range
(W20) SUPERIOR FEDERAL 001 - 24277 - (Inc Only)						Out of range
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	14,246.10	9,347.60	1,106.28	775.67	3.346	CC, ES
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	14,300.00	9,347.60	1,107.59	775.95	3.340	SF
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	8,700.00	8,666.73	567.19	360.00	2.738	CC
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	8,800.32	8,767.28	568.07	357.98	2.704	ES
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	8,900.00	8,868.66	572.89	359.86	2.689	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	22,771.47	20,176.02	1,450.02	939.43	2.840	CC, ES, SF
(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	11,789.93	9,481.90	850.63	769.72	10.513	CC
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	11,800.00	9,481.90	850.68	769.44	10.471	ES
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	22,771.47	21,043.56	1,185.23	791.11	3.007	SF
(03) Bond 33-34 FED COM #106H - #106H - Plan 1						Out of range
(04) Bond 33-34 FED COM #104H - #104H - Plan 1	22,771.47	19,291.20	1,706.83	1,264.15	3.856	CC, ES, SF

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)				
0.00	0.00	0.00	0.00	0.00	0.00	-89.971	0.01	-20.00	20.01					
100.00	100.00	99.46	99.46	0.79	0.78	-89.971	0.01	-20.00	20.00	18.43	1.57	12.763		
200.00	200.00	199.46	199.46	1.45	1.44	-89.971	0.01	-20.00	20.00	17.11	2.89	6.924		
300.00	300.00	299.46	299.46	1.89	1.89	-89.971	0.01	-20.00	20.00	16.22	3.78	5.290		
400.00	400.00	399.46	399.46	2.25	2.25	-89.971	0.01	-20.00	20.00	15.49	4.51	4.439		
500.00	500.00	499.46	499.46	2.57	2.57	-89.971	0.01	-20.00	20.00	14.87	5.13	3.896		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	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						Rule Assigned:				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)	Minimum Separation (usft)		Separation Factor	
600.00	600.00	599.46	599.46	2.85	2.85	-89.971	0.01	-20.00	20.00	14.30	5.70	3.510		
700.00	700.00	699.46	699.46	3.11	3.11	-89.971	0.01	-20.00	20.00	13.79	6.21	3.218		
800.00	800.00	799.46	799.46	3.35	3.35	-89.971	0.01	-20.00	20.00	13.30	6.70	2.987		
900.00	900.00	899.46	899.46	3.58	3.57	-89.971	0.01	-20.00	20.00	12.85	7.15	2.798		
1,000.00	1,000.00	999.46	999.46	3.79	3.79	-89.971	0.01	-20.00	20.00	12.42	7.58	2.639		
1,100.00	1,100.00	1,099.46	1,099.46	3.99	3.99	-89.971	0.01	-20.00	20.00	12.01	7.99	2.504		
1,200.00	1,200.00	1,199.46	1,199.46	4.19	4.19	-89.971	0.01	-20.00	20.00	11.62	8.38	2.386		
1,300.00	1,300.00	1,299.46	1,299.46	4.38	4.38	-89.971	0.01	-20.00	20.00	11.24	8.76	2.283		
1,400.00	1,400.00	1,399.46	1,399.46	4.56	4.56	-89.971	0.01	-20.00	20.00	10.88	9.12	2.192		
1,500.00	1,500.00	1,499.46	1,499.46	4.74	4.74	-89.971	0.01	-20.00	20.00	10.52	9.48	2.110		
1,600.00	1,600.00	1,599.46	1,599.46	4.91	4.91	-89.971	0.01	-20.00	20.00	10.18	9.82	2.036		
1,700.00	1,700.00	1,699.46	1,699.46	5.08	5.08	-89.971	0.01	-20.00	20.00	9.84	10.16	1.969	Level 3	
1,800.00	1,800.00	1,799.46	1,799.46	5.24	5.24	-89.971	0.01	-20.00	20.00	9.52	10.48	1.908	Level 3	
1,900.00	1,900.00	1,899.46	1,899.46	5.40	5.40	-89.971	0.01	-20.00	20.00	9.20	10.80	1.851	Level 3	
2,000.00	2,000.00	1,999.46	1,999.46	5.56	5.56	-89.971	0.01	-20.00	20.00	8.88	11.12	1.799	Level 3	
2,100.00	2,100.00	2,099.46	2,099.46	5.71	5.71	-89.971	0.01	-20.00	20.00	8.58	11.42	1.751	Level 3	
2,200.00	2,200.00	2,199.46	2,199.46	5.86	5.86	-89.971	0.01	-20.00	20.00	8.28	11.72	1.706	Level 3	
2,300.00	2,300.00	2,299.46	2,299.46	6.01	6.01	-89.971	0.01	-20.00	20.00	7.98	12.02	1.664	Level 3	
2,400.00	2,400.00	2,399.46	2,399.46	6.16	6.15	-89.971	0.01	-20.00	20.00	7.69	12.31	1.625	Level 3	
2,500.00	2,500.00	2,499.46	2,499.46	6.30	6.30	-89.971	0.01	-20.00	20.00	7.40	12.60	1.588	Level 3	
2,503.72	2,503.72	2,503.17	2,503.17	6.30	6.30	58.534	0.01	-20.00	20.00	7.39	12.61	1.586	Level 3, CC, ES	
2,600.00	2,599.98	2,598.96	2,598.94	6.49	6.51	66.516	1.36	-21.05	20.34	7.44	12.90	1.577	Level 3, SF	
2,700.00	2,699.84	2,697.96	2,697.81	6.68	6.73	87.201	5.41	-24.19	23.52	10.33	13.19	1.783	Level 3	
2,800.00	2,799.45	2,796.03	2,795.50	6.88	6.94	108.093	12.09	-29.36	33.29	19.76	13.52	2.461		
2,900.00	2,898.74	2,894.36	2,893.32	6.98	7.24	121.802	20.06	-35.54	48.66	34.74	13.92	3.495		
3,000.00	2,997.97	2,992.61	2,991.05	7.15	7.44	129.228	28.02	-41.71	65.84	51.56	14.27	4.613		
3,100.00	3,097.19	3,090.86	3,088.78	7.34	7.65	133.551	35.99	-47.88	83.64	69.01	14.63	5.716		
3,200.00	3,196.41	3,189.11	3,186.51	7.55	7.87	136.351	43.95	-54.05	101.74	86.73	15.01	6.778		
3,300.00	3,295.63	3,287.35	3,284.24	7.77	8.11	138.302	51.92	-60.23	120.01	104.60	15.41	7.789		
3,400.00	3,394.86	3,385.60	3,381.97	8.02	8.35	139.738	59.88	-66.40	138.37	122.55	15.82	8.745		
3,500.00	3,494.08	3,483.85	3,479.70	8.27	8.61	140.837	67.84	-72.57	156.80	140.55	16.26	9.645		
3,600.00	3,593.30	3,582.10	3,577.43	8.55	8.88	141.704	75.81	-78.74	175.28	158.57	16.71	10.490		
3,700.00	3,692.52	3,680.34	3,675.16	8.83	9.16	142.406	83.77	-84.91	193.78	176.61	17.17	11.283		
3,800.00	3,791.75	3,778.59	3,772.89	9.12	9.45	142.986	91.74	-91.09	212.31	194.66	17.66	12.025		
3,900.00	3,890.97	3,876.84	3,870.61	9.42	9.74	143.473	99.70	-97.26	230.86	212.71	18.15	12.719		
4,000.00	3,990.19	3,975.09	3,968.34	9.74	10.04	143.887	107.67	-103.43	249.42	230.76	18.66	13.369		
4,100.00	4,089.41	4,073.34	4,066.07	10.06	10.35	144.244	115.63	-109.60	267.99	248.82	19.18	13.976		
4,200.00	4,188.64	4,171.58	4,163.80	10.38	10.66	144.554	123.59	-115.78	286.57	266.87	19.70	14.544		
4,300.00	4,287.86	4,269.83	4,261.53	10.72	10.98	144.827	131.56	-121.95	305.16	284.91	20.24	15.076		
4,400.00	4,387.08	4,368.08	4,359.26	11.06	11.31	145.069	139.52	-128.12	323.75	302.96	20.79	15.573		
4,500.00	4,486.30	4,466.33	4,456.99	11.40	11.64	145.284	147.49	-134.29	342.35	321.00	21.34	16.039		
4,600.00	4,585.53	4,564.57	4,554.72	11.75	11.97	145.477	155.45	-140.46	360.95	339.04	21.91	16.477		
4,700.00	4,684.75	4,662.82	4,652.45	12.11	12.31	145.651	163.42	-146.64	379.55	357.08	22.48	16.887		
4,800.00	4,783.97	4,761.07	4,750.18	12.47	12.65	145.809	171.38	-152.81	398.16	375.11	23.05	17.272		
4,900.00	4,883.19	4,859.32	4,847.91	12.83	12.99	145.953	179.34	-158.98	416.77	393.14	23.64	17.633		
5,000.00	4,982.42	4,957.57	4,945.64	13.20	13.33	146.084	187.31	-165.15	435.39	411.16	24.22	17.974		
5,100.00	5,081.64	5,055.81	5,043.37	13.57	13.68	146.205	195.27	-171.32	454.00	429.19	24.82	18.294		
5,200.00	5,180.86	5,154.06	5,141.10	13.94	14.03	146.316	203.24	-177.50	472.62	447.21	25.41	18.596		
5,300.00	5,280.08	5,252.31	5,238.83	14.32	14.39	146.419	211.20	-183.67	491.24	465.22	26.02	18.881		
5,400.00	5,379.31	5,350.56	5,336.56	14.70	14.74	146.514	219.17	-189.84	509.86	483.23	26.62	19.150		
5,500.00	5,478.53	5,448.80	5,434.29	15.08	15.10	146.603	227.13	-196.01	528.48	501.25	27.23	19.405		
5,600.00	5,577.75	5,547.05	5,532.02	15.46	15.46	146.685	235.09	-202.18	547.10	519.25	27.85	19.645		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	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	
20,800.00	9,360.00	21,605.17	10,175.00	239.67	239.77	-134.497	389.03	11,358.40	1,163.61	796.98	366.64	3.174	
20,821.13	9,360.00	21,626.31	10,175.00	240.11	240.21	-134.497	389.09	11,379.54	1,163.61	796.32	367.30	3.168	
20,900.00	9,360.00	21,705.17	10,175.00	241.73	241.83	-134.497	389.32	11,458.40	1,163.61	793.85	369.76	3.147	
20,921.13	9,360.00	21,726.31	10,175.00	242.17	242.27	-134.497	389.39	11,479.54	1,163.61	793.19	370.42	3.141	
21,000.00	9,360.00	21,805.17	10,175.00	243.80	243.89	-134.497	389.62	11,558.40	1,163.61	790.72	372.89	3.121	
21,021.13	9,360.00	21,826.31	10,175.00	244.23	244.33	-134.497	389.68	11,579.54	1,163.61	790.06	373.55	3.115	
21,100.00	9,360.00	21,905.17	10,175.00	245.86	245.96	-134.497	389.91	11,658.40	1,163.61	787.60	376.02	3.095	
21,121.13	9,360.00	21,926.31	10,175.00	246.30	246.39	-134.497	389.97	11,679.54	1,163.61	786.94	376.68	3.089	
21,200.00	9,360.00	22,005.17	10,175.00	247.92	248.02	-134.497	390.20	11,758.40	1,163.61	784.47	379.14	3.069	
21,221.13	9,360.00	22,026.31	10,175.00	248.36	248.46	-134.497	390.26	11,779.54	1,163.61	783.81	379.80	3.064	
21,300.00	9,360.00	22,105.17	10,175.00	249.99	250.08	-134.497	390.49	11,858.40	1,163.61	781.34	382.27	3.044	
21,321.13	9,360.00	22,126.31	10,175.00	250.42	250.52	-134.497	390.56	11,879.54	1,163.61	780.68	382.93	3.039	
21,400.00	9,360.00	22,205.17	10,175.00	252.05	252.15	-134.497	390.79	11,958.40	1,163.61	778.21	385.40	3.019	
21,421.13	9,360.00	22,226.31	10,175.00	252.48	252.58	-134.497	390.85	11,979.53	1,163.61	777.55	386.06	3.014	
21,500.00	9,360.00	22,305.17	10,175.00	254.11	254.21	-134.497	391.08	12,058.40	1,163.61	775.09	388.53	2.995	
21,521.13	9,360.00	22,326.31	10,175.00	254.55	254.65	-134.497	391.14	12,079.53	1,163.61	774.42	389.19	2.990	
21,600.00	9,360.00	22,405.17	10,175.00	256.17	256.27	-134.497	391.37	12,158.40	1,163.61	771.96	391.66	2.971	
21,621.13	9,360.00	22,426.31	10,175.00	256.61	256.71	-134.497	391.43	12,179.53	1,163.61	771.30	392.32	2.966	
21,700.00	9,360.00	22,505.17	10,175.00	258.24	258.34	-134.497	391.66	12,258.40	1,163.61	768.83	394.78	2.947	
21,721.13	9,360.00	22,526.31	10,175.00	258.67	258.77	-134.497	391.73	12,279.53	1,163.61	768.17	395.44	2.943	
21,800.00	9,360.00	22,605.17	10,175.00	260.30	260.40	-134.497	391.96	12,358.40	1,163.61	765.70	397.91	2.924	
21,821.13	9,360.00	22,626.31	10,175.00	260.74	260.84	-134.497	392.02	12,379.53	1,163.61	765.04	398.57	2.919	
21,900.00	9,360.00	22,705.17	10,175.00	262.37	262.46	-134.497	392.25	12,458.40	1,163.61	762.57	401.04	2.901	
21,921.13	9,360.00	22,726.31	10,175.00	262.80	262.90	-134.497	392.31	12,479.53	1,163.61	761.91	401.70	2.897	
22,000.00	9,360.00	22,805.17	10,175.00	264.43	264.53	-134.497	392.54	12,558.40	1,163.61	759.44	404.17	2.879	
22,021.13	9,360.00	22,826.31	10,175.00	264.87	264.96	-134.497	392.60	12,579.53	1,163.61	758.78	404.83	2.874	
22,100.00	9,360.00	22,905.17	10,175.00	266.49	266.59	-134.497	392.83	12,658.40	1,163.61	756.31	407.30	2.857	
22,121.13	9,360.00	22,926.31	10,175.00	266.93	267.03	-134.497	392.90	12,679.53	1,163.61	755.65	407.96	2.852	
22,200.00	9,360.00	23,005.17	10,175.00	268.56	268.65	-134.497	393.13	12,758.40	1,163.61	753.18	410.43	2.835	
22,221.13	9,360.00	23,026.31	10,175.00	268.99	269.09	-134.497	393.19	12,779.53	1,163.61	752.52	411.09	2.831	
22,300.00	9,360.00	23,105.17	10,175.00	270.62	270.72	-134.497	393.42	12,858.40	1,163.61	750.05	413.56	2.814	
22,321.13	9,360.00	23,126.31	10,175.00	271.06	271.16	-134.497	393.48	12,879.53	1,163.61	749.39	414.22	2.809	
22,400.00	9,360.00	23,205.17	10,175.00	272.68	272.78	-134.497	393.71	12,958.40	1,163.61	746.92	416.69	2.793	
22,421.13	9,360.00	23,226.31	10,175.00	273.12	273.22	-134.497	393.77	12,979.53	1,163.61	746.26	417.35	2.788	
22,500.00	9,360.00	23,305.17	10,175.00	274.75	274.85	-134.497	394.00	13,058.40	1,163.61	743.79	419.82	2.772	
22,521.13	9,360.00	23,326.31	10,175.00	275.19	275.28	-134.497	394.07	13,079.53	1,163.61	743.13	420.48	2.767	
22,600.00	9,360.00	23,405.17	10,175.00	276.81	276.91	-134.497	394.30	13,158.40	1,163.61	740.66	422.95	2.751	
22,621.13	9,360.00	23,426.31	10,175.00	277.25	277.35	-134.497	394.36	13,179.53	1,163.61	740.00	423.61	2.747	
22,700.00	9,360.00	23,505.17	10,175.00	278.88	278.98	-134.497	394.59	13,258.40	1,163.61	737.53	426.08	2.731	
22,743.72	9,360.00	23,548.89	10,175.00	279.78	279.88	-134.497	394.72	13,302.11	1,163.61	736.16	427.45	2.722	
22,771.47	9,360.00	23,573.59	10,175.00	280.35	280.39	-134.497	394.79	13,326.81	1,163.62	735.37	428.25	2.717	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		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	1.05	1.05	0.00	0.01	-89.957	0.03	-40.00	40.00				
100.00	100.00	101.05	101.05	0.79	0.79	-89.957	0.03	-40.00	40.00	38.42	1.58	25.345	
200.00	200.00	201.05	201.05	1.45	1.45	-89.957	0.03	-40.00	40.00	37.10	2.90	13.808	
300.00	300.00	301.05	301.05	1.89	1.90	-89.957	0.03	-40.00	40.00	36.21	3.79	10.562	
400.00	400.00	401.05	401.05	2.25	2.26	-89.957	0.03	-40.00	40.00	35.49	4.51	8.868	
500.00	500.00	501.05	501.05	2.57	2.57	-89.957	0.03	-40.00	40.00	34.86	5.14	7.785	
600.00	600.00	601.05	601.05	2.85	2.85	-89.957	0.03	-40.00	40.00	34.30	5.70	7.015	
700.00	700.00	701.05	701.05	3.11	3.11	-89.957	0.03	-40.00	40.00	33.78	6.22	6.432	
800.00	800.00	801.05	801.05	3.35	3.35	-89.957	0.03	-40.00	40.00	33.30	6.70	5.970	
900.00	900.00	901.05	901.05	3.58	3.58	-89.957	0.03	-40.00	40.00	32.85	7.15	5.592	
1,000.00	1,000.00	1,001.05	1,001.05	3.79	3.79	-89.957	0.03	-40.00	40.00	32.42	7.58	5.276	
1,100.00	1,100.00	1,101.05	1,101.05	3.99	4.00	-89.957	0.03	-40.00	40.00	32.01	7.99	5.006	
1,200.00	1,200.00	1,201.05	1,201.05	4.19	4.19	-89.957	0.03	-40.00	40.00	31.62	8.38	4.771	
1,300.00	1,300.00	1,301.05	1,301.05	4.38	4.38	-89.957	0.03	-40.00	40.00	31.24	8.76	4.565	
1,400.00	1,400.00	1,401.05	1,401.05	4.56	4.56	-89.957	0.03	-40.00	40.00	30.87	9.13	4.383	
1,500.00	1,500.00	1,501.05	1,501.05	4.74	4.74	-89.957	0.03	-40.00	40.00	30.52	9.48	4.219	
1,600.00	1,600.00	1,601.05	1,601.05	4.91	4.91	-89.957	0.03	-40.00	40.00	30.17	9.83	4.071	
1,700.00	1,700.00	1,701.05	1,701.05	5.08	5.08	-89.957	0.03	-40.00	40.00	29.84	10.16	3.937	
1,800.00	1,800.00	1,801.05	1,801.05	5.24	5.24	-89.957	0.03	-40.00	40.00	29.51	10.49	3.814	
1,900.00	1,900.00	1,901.05	1,901.05	5.40	5.40	-89.957	0.03	-40.00	40.00	29.19	10.81	3.702	
1,916.31	1,916.31	1,917.36	1,917.36	5.43	5.43	-89.957	0.03	-40.00	40.00	29.14	10.86	3.684 CC	
2,000.00	2,000.00	2,001.05	2,001.05	5.56	5.56	-89.957	0.03	-40.00	40.00	28.88	11.12	3.597 ES	
2,100.00	2,100.00	2,100.74	2,100.72	5.71	5.80	-87.488	1.77	-40.33	40.37	28.95	11.43	3.533	
2,200.00	2,200.00	2,200.00	2,199.84	5.86	6.05	-80.540	6.88	-41.31	41.90	30.16	11.74	3.569	
2,300.00	2,300.00	2,299.17	2,298.62	6.01	6.31	-70.320	15.36	-42.94	45.67	33.59	12.08	3.780	
2,400.00	2,400.00	2,397.43	2,396.15	6.16	6.59	-59.081	27.06	-45.18	52.89	40.43	12.46	4.244	
2,500.00	2,500.00	2,494.75	2,492.30	6.30	6.88	-48.906	41.88	-48.02	64.32	51.44	12.88	4.995	
2,600.00	2,599.98	2,590.66	2,586.49	6.49	7.18	108.561	59.62	-51.42	80.61	67.30	13.30	6.059	
2,700.00	2,699.84	2,684.46	2,677.97	6.68	7.49	116.593	79.95	-55.32	102.83	89.10	13.74	7.485	
2,800.00	2,799.45	2,775.66	2,766.22	6.88	7.81	123.055	102.53	-59.65	131.37	117.18	14.19	9.259	
2,900.00	2,898.74	2,864.15	2,851.10	6.98	8.08	128.198	127.06	-64.35	165.94	151.42	14.51	11.433	
3,000.00	2,997.97	2,956.21	2,939.05	7.15	8.36	132.141	153.80	-69.48	203.14	188.17	14.97	13.566	
3,100.00	3,097.19	3,048.28	3,027.00	7.34	8.68	134.870	180.54	-74.60	240.93	225.46	15.47	15.571	
3,200.00	3,196.41	3,140.34	3,114.94	7.55	9.00	136.862	207.28	-79.73	279.06	263.07	15.99	17.449	
3,300.00	3,295.63	3,232.41	3,202.89	7.77	9.34	138.378	234.02	-84.85	317.41	300.88	16.53	19.197	
3,400.00	3,394.86	3,324.47	3,290.84	8.02	9.69	139.567	260.76	-89.98	355.92	338.82	17.10	20.817	
3,500.00	3,494.08	3,416.54	3,378.79	8.27	10.05	140.525	287.50	-95.11	394.52	376.84	17.68	22.316	
3,600.00	3,593.30	3,508.60	3,466.73	8.55	10.41	141.313	314.24	-100.23	433.21	414.93	18.28	23.700	
3,700.00	3,692.52	3,600.67	3,554.68	8.83	10.79	141.972	340.98	-105.36	471.95	453.06	18.90	24.977	
3,800.00	3,791.75	3,692.73	3,642.63	9.12	11.17	142.531	367.71	-110.48	510.74	491.21	19.53	26.155	
3,900.00	3,890.97	3,784.80	3,730.57	9.42	11.56	143.011	394.45	-115.61	549.56	529.39	20.17	27.242	
4,000.00	3,990.19	3,876.86	3,818.52	9.74	11.96	143.428	421.19	-120.74	588.42	567.58	20.83	28.246	
4,100.00	4,089.41	3,968.93	3,906.47	10.06	12.36	143.793	447.93	-125.86	627.29	605.79	21.50	29.173	
4,200.00	4,188.64	4,060.99	3,994.41	10.38	12.77	144.116	474.67	-130.99	666.19	644.00	22.18	30.031	
4,300.00	4,287.86	4,153.05	4,082.36	10.72	13.17	144.403	501.41	-136.11	705.10	682.22	22.87	30.825	
4,400.00	4,387.08	4,245.12	4,170.31	11.06	13.59	144.660	528.15	-141.24	744.02	720.45	23.57	31.561	
4,500.00	4,486.30	4,337.18	4,258.25	11.40	14.01	144.892	554.89	-146.36	782.96	758.68	24.28	32.244	
4,600.00	4,585.53	4,429.25	4,346.20	11.75	14.43	145.101	581.63	-151.49	821.90	796.91	25.00	32.878	
4,700.00	4,684.75	4,521.31	4,434.15	12.11	14.85	145.292	608.37	-156.62	860.86	835.14	25.72	33.468	
4,800.00	4,783.97	4,613.38	4,522.09	12.47	15.28	145.466	635.11	-161.74	899.82	873.37	26.45	34.018	
4,900.00	4,883.19	4,705.44	4,610.04	12.83	15.71	145.626	661.85	-166.87	938.79	911.60	27.19	34.531	
5,000.00	4,982.42	4,797.51	4,697.99	13.20	16.14	145.773	688.59	-171.99	977.76	949.83	27.93	35.011	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
20,600.00	9,360.00	20,764.13	9,360.00	235.55	236.63	-89.968	1,428.44	11,155.36	1,869.99	1,397.81	472.18	3.960	
20,629.41	9,360.00	20,793.54	9,360.00	236.15	237.24	-89.968	1,428.53	11,184.77	1,869.99	1,396.60	473.39	3.950	
20,700.00	9,360.00	20,864.13	9,360.00	237.61	238.69	-89.968	1,428.73	11,255.36	1,869.99	1,393.70	476.29	3.926	
20,729.41	9,360.00	20,893.54	9,360.00	238.22	239.29	-89.968	1,428.82	11,284.77	1,869.99	1,392.49	477.50	3.916	
20,800.00	9,360.00	20,964.13	9,360.00	239.67	240.74	-89.968	1,429.02	11,355.36	1,869.99	1,389.58	480.41	3.892	
20,829.41	9,360.00	20,993.54	9,360.00	240.28	241.35	-89.968	1,429.11	11,384.77	1,869.99	1,388.37	481.62	3.883	
20,900.00	9,360.00	21,064.13	9,360.00	241.73	242.80	-89.968	1,429.32	11,455.36	1,869.99	1,385.46	484.53	3.859	
20,929.41	9,360.00	21,093.54	9,360.00	242.34	243.40	-89.968	1,429.40	11,484.77	1,869.99	1,384.25	485.74	3.850	
21,000.00	9,360.00	21,164.13	9,360.00	243.80	244.85	-89.968	1,429.61	11,555.36	1,869.99	1,381.35	488.64	3.827	
21,029.41	9,360.00	21,193.54	9,360.00	244.40	245.46	-89.968	1,429.69	11,584.77	1,869.99	1,380.13	489.86	3.817	
21,100.00	9,360.00	21,264.13	9,360.00	245.86	246.91	-89.968	1,429.90	11,655.36	1,869.99	1,377.23	492.76	3.795	
21,129.41	9,360.00	21,293.54	9,360.00	246.47	247.51	-89.968	1,429.99	11,684.77	1,869.99	1,376.02	493.97	3.786	
21,200.00	9,360.00	21,364.13	9,360.00	247.92	248.96	-89.968	1,430.19	11,755.36	1,869.99	1,373.11	496.88	3.763	
21,229.41	9,360.00	21,393.54	9,360.00	248.53	249.57	-89.968	1,430.28	11,784.77	1,869.99	1,371.90	498.09	3.754	
21,300.00	9,360.00	21,464.13	9,360.00	249.99	251.02	-89.968	1,430.49	11,855.36	1,869.99	1,368.99	501.00	3.733	
21,329.41	9,360.00	21,493.54	9,360.00	250.59	251.62	-89.968	1,430.57	11,884.77	1,869.99	1,367.78	502.21	3.724	
21,400.00	9,360.00	21,564.13	9,360.00	252.05	253.07	-89.968	1,430.78	11,955.36	1,869.99	1,364.87	505.12	3.702	
21,429.41	9,360.00	21,593.54	9,360.00	252.66	253.68	-89.968	1,430.86	11,984.77	1,869.99	1,363.66	506.33	3.693	
21,500.00	9,360.00	21,664.13	9,360.00	254.11	255.13	-89.968	1,431.07	12,055.36	1,869.99	1,360.75	509.24	3.672	
21,529.41	9,360.00	21,693.54	9,360.00	254.72	255.73	-89.968	1,431.16	12,084.77	1,869.99	1,359.54	510.45	3.663	
21,600.00	9,360.00	21,764.13	9,360.00	256.17	257.19	-89.968	1,431.36	12,155.36	1,869.99	1,356.63	513.36	3.643	
21,629.41	9,360.00	21,793.54	9,360.00	256.78	257.79	-89.968	1,431.45	12,184.77	1,869.99	1,355.42	514.57	3.634	
21,700.00	9,360.00	21,864.13	9,360.00	258.24	259.24	-89.968	1,431.66	12,255.36	1,869.99	1,352.51	517.48	3.614	
21,729.41	9,360.00	21,893.54	9,360.00	258.85	259.85	-89.968	1,431.74	12,284.76	1,869.99	1,351.30	518.69	3.605	
21,800.00	9,360.00	21,964.13	9,360.00	260.30	261.30	-89.968	1,431.95	12,355.36	1,869.99	1,348.39	521.60	3.585	
21,829.41	9,360.00	21,993.54	9,360.00	260.91	261.90	-89.968	1,432.03	12,384.76	1,869.99	1,347.18	522.81	3.577	
21,900.00	9,360.00	22,064.13	9,360.00	262.37	263.36	-89.968	1,432.24	12,455.36	1,869.99	1,344.27	525.72	3.557	
21,929.41	9,360.00	22,093.54	9,360.00	262.97	263.96	-89.968	1,432.33	12,484.76	1,869.99	1,343.06	526.93	3.549	
22,000.00	9,360.00	22,164.13	9,360.00	264.43	265.41	-89.968	1,432.53	12,555.36	1,869.99	1,340.15	529.84	3.529	
22,029.41	9,360.00	22,193.54	9,360.00	265.04	266.02	-89.968	1,432.62	12,584.76	1,869.99	1,338.94	531.05	3.521	
22,100.00	9,360.00	22,264.13	9,360.00	266.49	267.47	-89.968	1,432.83	12,655.36	1,869.99	1,336.03	533.96	3.502	
22,129.41	9,360.00	22,293.54	9,360.00	267.10	268.07	-89.968	1,432.91	12,684.76	1,869.99	1,334.82	535.17	3.494	
22,200.00	9,360.00	22,364.13	9,360.00	268.56	269.53	-89.968	1,433.12	12,755.36	1,869.99	1,331.91	538.08	3.475	
22,229.41	9,360.00	22,393.54	9,360.00	269.16	270.13	-89.968	1,433.20	12,784.76	1,869.99	1,330.70	539.29	3.467	
22,300.00	9,360.00	22,464.13	9,360.00	270.62	271.58	-89.968	1,433.41	12,855.36	1,869.99	1,327.79	542.20	3.449	
22,329.41	9,360.00	22,493.54	9,360.00	271.23	272.19	-89.968	1,433.50	12,884.76	1,869.99	1,326.57	543.41	3.441	
22,400.00	9,360.00	22,564.13	9,360.00	272.68	273.64	-89.968	1,433.70	12,955.36	1,869.99	1,323.66	546.32	3.423	
22,429.41	9,360.00	22,593.54	9,360.00	273.29	274.25	-89.968	1,433.79	12,984.76	1,869.99	1,322.45	547.54	3.415	
22,500.00	9,360.00	22,664.13	9,360.00	274.75	275.70	-89.968	1,434.00	13,055.36	1,869.99	1,319.54	550.45	3.397	
22,529.41	9,360.00	22,693.54	9,360.00	275.36	276.31	-89.968	1,434.08	13,084.76	1,869.99	1,318.33	551.66	3.390	
22,600.00	9,360.00	22,764.13	9,360.00	276.81	277.76	-89.968	1,434.29	13,155.36	1,869.99	1,315.42	554.57	3.372	
22,629.41	9,360.00	22,793.54	9,360.00	277.42	278.36	-89.968	1,434.37	13,184.76	1,869.99	1,314.21	555.78	3.365	
22,700.00	9,360.00	22,864.13	9,360.00	278.88	279.82	-89.968	1,434.58	13,255.36	1,869.99	1,311.30	558.69	3.347	
22,729.41	9,360.00	22,893.54	9,360.00	279.48	280.42	-89.968	1,434.67	13,284.76	1,869.99	1,310.08	559.90	3.340	
22,764.58	9,360.00	22,928.71	9,360.00	280.21	281.15	-89.968	1,434.77	13,319.93	1,869.99	1,308.63	561.35	3.331	
22,771.47	9,360.00	22,928.71	9,360.00	280.35	281.15	-89.968	1,434.77	13,319.93	1,870.00	1,308.51	561.50	3.330 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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-61.380	132.17	-242.22	275.94				
100.00	100.00	98.32	98.32	0.79	0.77	-61.380	132.17	-242.22	275.93	274.38	1.56	177.097	
200.00	200.00	198.32	198.32	1.45	1.44	-61.380	132.17	-242.22	275.93	273.05	2.88	95.773	
300.00	300.00	298.32	298.32	1.89	1.88	-61.380	132.17	-242.22	275.93	272.16	3.78	73.078	
400.00	400.00	398.32	398.32	2.25	2.25	-61.380	132.17	-242.22	275.93	271.43	4.50	61.301	
500.00	500.00	498.32	498.32	2.57	2.56	-61.380	132.17	-242.22	275.93	270.80	5.13	53.787	
600.00	600.00	598.32	598.32	2.85	2.84	-61.380	132.17	-242.22	275.93	270.24	5.69	48.457	
700.00	700.00	698.32	698.32	3.11	3.10	-61.380	132.17	-242.22	275.93	269.72	6.21	44.420	
800.00	800.00	798.32	798.32	3.35	3.34	-61.380	132.17	-242.22	275.93	269.24	6.69	41.224	
900.00	900.00	898.32	898.32	3.58	3.57	-61.380	132.17	-242.22	275.93	268.79	7.15	38.611	
1,000.00	1,000.00	998.32	998.32	3.79	3.79	-61.380	132.17	-242.22	275.93	268.36	7.58	36.423	
1,100.00	1,100.00	1,098.32	1,098.32	3.99	3.99	-61.380	132.17	-242.22	275.93	267.95	7.99	34.554	
1,200.00	1,200.00	1,198.32	1,198.32	4.19	4.19	-61.380	132.17	-242.22	275.93	267.56	8.38	32.934	
1,300.00	1,300.00	1,298.32	1,298.32	4.38	4.38	-61.380	132.17	-242.22	275.93	267.18	8.76	31.512	
1,400.00	1,400.00	1,398.32	1,398.32	4.56	4.56	-61.380	132.17	-242.22	275.93	266.81	9.12	30.249	
1,500.00	1,500.00	1,498.32	1,498.32	4.74	4.74	-61.380	132.17	-242.22	275.93	266.46	9.48	29.118	
1,600.00	1,600.00	1,598.32	1,598.32	4.91	4.91	-61.380	132.17	-242.22	275.93	266.11	9.82	28.098	
1,700.00	1,700.00	1,698.32	1,698.32	5.08	5.08	-61.380	132.17	-242.22	275.93	265.78	10.16	27.171	
1,800.00	1,800.00	1,798.32	1,798.32	5.24	5.24	-61.380	132.17	-242.22	275.93	265.45	10.48	26.323	
1,900.00	1,900.00	1,898.32	1,898.32	5.40	5.40	-61.380	132.17	-242.22	275.93	265.13	10.80	25.545	
2,000.00	2,000.00	1,998.32	1,998.32	5.56	5.56	-61.380	132.17	-242.22	275.93	264.82	11.11	24.826 CC, ES	
2,100.00	2,100.00	2,092.44	2,092.42	5.71	5.78	-61.148	133.63	-242.54	276.98	265.53	11.44	24.202	
2,200.00	2,200.00	2,186.26	2,186.13	5.86	6.01	-60.446	138.08	-243.52	280.21	268.44	11.77	23.804	
2,300.00	2,300.00	2,279.68	2,279.24	6.01	6.26	-59.313	145.49	-245.16	285.72	273.62	12.10	23.615	
2,400.00	2,400.00	2,372.51	2,371.46	6.16	6.51	-57.804	155.79	-247.43	293.62	281.19	12.43	23.621	
2,500.00	2,500.00	2,464.56	2,462.52	6.30	6.78	-55.995	168.87	-250.31	304.07	291.29	12.77	23.810	
2,600.00	2,599.98	2,555.41	2,551.93	6.49	7.05	94.546	184.58	-253.78	317.35	304.26	13.09	24.247	
2,700.00	2,699.84	2,649.32	2,643.89	6.68	7.34	97.263	203.17	-257.87	333.63	320.18	13.45	24.808	
2,800.00	2,799.45	2,745.53	2,738.06	6.88	7.65	100.303	222.44	-262.12	351.64	337.78	13.86	25.370	
2,900.00	2,898.74	2,840.95	2,831.46	6.98	7.93	103.595	241.55	-266.34	371.52	357.32	14.20	26.160	
3,000.00	2,997.97	2,936.23	2,924.71	7.15	8.22	106.835	260.63	-270.54	392.83	378.20	14.63	26.847	
3,100.00	3,097.19	3,031.50	3,017.96	7.34	8.53	109.748	279.71	-274.75	415.27	400.19	15.09	27.522	
3,200.00	3,196.41	3,126.78	3,111.21	7.55	8.85	112.369	298.80	-278.96	438.67	423.10	15.57	28.174	
3,300.00	3,295.63	3,222.05	3,204.46	7.77	9.18	114.730	317.88	-283.17	462.88	446.81	16.07	28.796	
3,400.00	3,394.86	3,317.33	3,297.71	8.02	9.52	116.861	336.96	-287.37	487.78	471.18	16.60	29.383	
3,500.00	3,494.08	3,412.61	3,390.96	8.27	9.87	118.788	356.04	-291.58	513.27	496.12	17.15	29.933	
3,600.00	3,593.30	3,507.88	3,484.21	8.55	10.23	120.537	375.12	-295.79	539.26	521.55	17.71	30.446	
3,700.00	3,692.52	3,603.16	3,577.46	8.83	10.59	122.127	394.21	-300.00	565.70	547.40	18.29	30.921	
3,800.00	3,791.75	3,698.43	3,670.71	9.12	10.96	123.577	413.29	-304.20	592.51	573.61	18.89	31.361	
3,900.00	3,890.97	3,793.71	3,763.96	9.42	11.34	124.904	432.37	-308.41	619.65	600.14	19.51	31.765	
4,000.00	3,990.19	3,888.98	3,857.21	9.74	11.72	126.121	451.45	-312.62	647.07	626.94	20.13	32.137	
4,100.00	4,089.41	3,984.26	3,950.46	10.06	12.11	127.240	470.53	-316.83	674.75	653.98	20.77	32.479	
4,200.00	4,188.64	4,079.53	4,043.71	10.38	12.50	128.272	489.61	-321.03	702.65	681.23	21.43	32.794	
4,300.00	4,287.86	4,174.81	4,136.96	10.72	12.90	129.226	508.70	-325.24	730.75	708.66	22.09	33.082	
4,400.00	4,387.08	4,270.08	4,230.21	11.06	13.30	130.110	527.78	-329.45	759.03	736.27	22.76	33.347	
4,500.00	4,486.30	4,365.36	4,323.46	11.40	13.70	130.931	546.86	-333.66	787.46	764.02	23.44	33.590	
4,600.00	4,585.53	4,460.63	4,416.71	11.75	14.11	131.696	565.94	-337.86	816.03	791.90	24.13	33.814	
4,700.00	4,684.75	4,555.91	4,509.96	12.11	14.51	132.409	585.02	-342.07	844.73	819.90	24.83	34.020	
4,800.00	4,783.97	4,651.18	4,603.21	12.47	14.93	133.076	604.11	-346.28	873.54	848.00	25.54	34.209	
4,900.00	4,883.19	4,746.46	4,696.46	12.83	15.34	133.700	623.19	-350.48	902.45	876.20	26.25	34.383	
5,000.00	4,982.42	4,841.74	4,789.71	13.20	15.75	134.287	642.27	-354.69	931.46	904.49	26.96	34.544	
5,100.00	5,081.64	4,937.01	4,882.96	13.57	16.17	134.837	661.35	-358.90	960.55	932.86	27.69	34.693	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1												Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1						Rule Assigned:				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)
5,200.00	5,180.86	5,032.29	4,976.21	13.94	16.59	135.356	680.43	-363.11	989.71	961.30	28.42	34.830	
5,300.00	5,280.08	5,127.56	5,069.46	14.32	17.01	135.845	699.51	-367.31	1,018.95	989.80	29.15	34.957	
5,400.00	5,379.31	5,222.84	5,162.71	14.70	17.43	136.307	718.60	-371.52	1,048.26	1,018.37	29.89	35.075	
5,500.00	5,478.53	5,318.11	5,255.96	15.08	17.86	136.744	737.68	-375.73	1,077.62	1,046.99	30.63	35.184	
5,600.00	5,577.75	5,413.39	5,349.21	15.46	18.28	137.159	756.76	-379.94	1,107.04	1,075.66	31.37	35.286	
5,700.00	5,676.97	5,508.66	5,442.46	15.85	18.71	137.551	775.84	-384.14	1,136.50	1,104.38	32.12	35.381	
5,800.00	5,776.20	5,603.94	5,535.71	16.23	19.14	137.924	794.92	-388.35	1,166.02	1,133.14	32.87	35.468	
5,900.00	5,875.42	5,699.21	5,628.96	16.62	19.56	138.279	814.01	-392.56	1,195.57	1,161.94	33.63	35.550	
6,000.00	5,974.64	5,794.49	5,722.21	17.01	19.99	138.616	833.09	-396.77	1,225.17	1,190.78	34.39	35.627	
6,100.00	6,073.86	5,889.76	5,815.46	17.40	20.42	138.938	852.17	-400.97	1,254.80	1,219.65	35.15	35.698	
6,200.00	6,173.09	5,985.04	5,908.71	17.80	20.86	139.245	871.25	-405.18	1,284.47	1,248.56	35.91	35.765	
6,300.00	6,272.31	6,080.31	6,001.96	18.19	21.29	139.538	890.33	-409.39	1,314.17	1,277.49	36.68	35.828	
6,400.00	6,371.53	6,175.59	6,095.21	18.59	21.72	139.818	909.41	-413.59	1,343.90	1,306.46	37.45	35.887	
6,500.00	6,470.75	6,270.87	6,188.46	18.98	22.16	140.087	928.50	-417.80	1,373.66	1,335.44	38.22	35.942	
6,600.00	6,569.98	6,366.14	6,281.71	19.38	22.59	140.343	947.58	-422.01	1,403.45	1,364.46	38.99	35.993	
6,700.00	6,669.20	6,461.42	6,374.96	19.78	23.03	140.590	966.66	-426.22	1,433.26	1,393.49	39.77	36.042	
6,800.00	6,768.42	6,556.69	6,468.21	20.18	23.46	140.826	985.74	-430.42	1,463.09	1,422.55	40.54	36.088	
6,900.00	6,867.64	6,651.97	6,561.46	20.58	23.89	141.052	1,004.82	-434.63	1,492.95	1,451.64	41.31	36.138	
7,000.00	6,966.88	6,852.59	6,759.08	20.97	24.80	141.598	1,038.33	-442.02	1,519.49	1,476.74	42.75	35.543	
7,100.00	7,066.38	7,061.87	6,967.26	21.38	25.66	142.221	1,058.80	-446.53	1,537.21	1,493.19	44.01	34.927	
7,200.00	7,166.17	7,259.22	7,164.49	21.74	26.18	142.586	1,064.50	-447.79	1,545.00	1,500.24	44.76	34.516	
7,300.00	7,266.12	7,359.17	7,264.44	22.05	26.21	142.680	1,064.50	-447.79	1,547.33	1,502.28	45.05	34.346	
7,400.00	7,366.12	7,459.17	7,364.44	22.10	26.26	-5.809	1,064.50	-447.79	1,547.49	1,502.36	45.14	34.285	
7,500.00	7,466.12	7,559.17	7,464.44	22.12	26.31	-5.809	1,064.50	-447.79	1,547.49	1,502.27	45.22	34.225	
7,600.00	7,566.12	7,659.17	7,564.44	22.15	26.35	-5.809	1,064.50	-447.79	1,547.49	1,502.19	45.30	34.164	
7,700.00	7,666.12	7,759.17	7,664.44	22.18	26.40	-5.809	1,064.50	-447.79	1,547.49	1,502.11	45.38	34.102	
7,800.00	7,766.12	7,859.17	7,764.44	22.21	26.44	-5.809	1,064.50	-447.79	1,547.49	1,502.03	45.46	34.041	
7,900.00	7,866.12	7,959.17	7,864.44	22.24	26.49	-5.809	1,064.50	-447.79	1,547.49	1,501.95	45.54	33.980	
8,000.00	7,966.12	8,059.17	7,964.44	22.27	26.54	-5.809	1,064.50	-447.79	1,547.49	1,501.87	45.62	33.918	
8,100.00	8,066.12	8,159.17	8,064.44	22.30	26.58	-5.809	1,064.50	-447.79	1,547.49	1,501.78	45.71	33.857	
8,200.00	8,166.12	8,259.17	8,164.44	22.33	26.63	-5.809	1,064.50	-447.79	1,547.49	1,501.70	45.79	33.795	
8,300.00	8,266.12	8,359.17	8,264.44	22.36	26.68	-5.809	1,064.50	-447.79	1,547.49	1,501.62	45.87	33.733	
8,400.00	8,366.12	8,459.17	8,364.44	22.39	26.73	-5.809	1,064.50	-447.79	1,547.49	1,501.53	45.96	33.671	
8,500.00	8,466.12	8,559.17	8,464.44	22.43	26.77	-5.809	1,064.50	-447.79	1,547.49	1,501.45	46.04	33.609	
8,600.00	8,566.12	8,659.17	8,564.44	22.46	26.82	-5.809	1,064.50	-447.79	1,547.49	1,501.36	46.13	33.547	
8,700.00	8,666.12	8,759.17	8,664.44	22.49	26.87	-5.809	1,064.50	-447.79	1,547.49	1,501.28	46.21	33.485	
8,800.00	8,766.12	8,859.17	8,764.44	22.52	26.92	-5.809	1,064.50	-447.79	1,547.49	1,501.19	46.30	33.423	
8,900.00	8,865.87	8,958.92	8,864.19	22.43	26.96	-95.787	1,064.50	-447.79	1,548.04	1,501.69	46.35	33.400	
9,000.00	8,963.22	9,056.27	8,961.54	22.26	27.01	-96.342	1,064.50	-447.79	1,550.47	1,504.12	46.34	33.456	
9,100.00	9,055.22	9,148.27	9,053.54	22.07	27.06	-97.155	1,064.50	-447.79	1,555.46	1,509.17	46.28	33.608	
9,200.00	9,139.06	9,232.11	9,137.38	21.91	27.10	-97.963	1,064.50	-447.79	1,564.01	1,517.83	46.18	33.868	
9,300.00	9,212.22	9,305.27	9,210.54	21.82	27.13	-98.443	1,064.50	-447.79	1,577.30	1,531.24	46.06	34.242	
9,400.00	9,272.45	9,365.50	9,270.77	21.85	27.16	-98.258	1,064.50	-447.79	1,586.42	1,550.45	45.97	34.729	
9,500.00	9,317.93	9,410.98	9,316.25	22.05	27.18	-97.094	1,064.50	-447.79	1,622.12	1,576.19	45.93	35.319	
9,600.00	9,347.29	9,440.34	9,345.61	22.46	27.20	-94.705	1,064.50	-447.79	1,654.59	1,608.64	45.96	36.004	
9,700.00	9,359.62	9,452.67	9,357.94	23.09	27.20	-90.956	1,064.50	-447.79	1,693.35	1,647.31	46.04	36.782	
9,800.00	9,360.00	9,453.05	9,358.32	23.90	27.20	-90.000	1,064.50	-447.79	1,737.32	1,691.15	46.16	37.634	
9,900.00	9,360.00	10,927.98	10,175.00	24.86	31.83	-117.938	1,067.14	456.37	1,743.14	1,691.36	51.78	33.664	
9,921.13	9,360.00	10,949.11	10,175.00	25.09	32.06	-117.938	1,067.20	477.51	1,743.14	1,690.95	52.20	33.396	
10,000.00	9,360.00	11,027.98	10,175.00	25.96	32.94	-117.938	1,067.43	556.37	1,743.14	1,689.37	53.77	32.416	
10,021.13	9,360.00	11,049.11	10,175.00	26.21	33.19	-117.938	1,067.50	577.51	1,743.14	1,688.92	54.23	32.145	
10,100.00	9,360.00	11,127.98	10,175.00	27.17	34.15	-117.938	1,067.73	656.37	1,743.14	1,687.20	55.94	31.159	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,721.13	9,360.00	13,749.11	10,175.00	74.44	79.64	-117.938	1,075.40	3,277.49	1,743.14	1,604.39	138.75	12.563	
12,800.00	9,360.00	13,827.98	10,175.00	76.01	81.18	-117.938	1,075.63	3,356.36	1,743.14	1,601.61	141.54	12.316	
12,821.13	9,360.00	13,849.11	10,175.00	76.44	81.59	-117.938	1,075.69	3,377.49	1,743.14	1,600.86	142.28	12.251	
12,900.00	9,360.00	13,927.98	10,175.00	78.01	83.13	-117.938	1,075.92	3,456.36	1,743.14	1,598.07	145.08	12.015	
12,921.13	9,360.00	13,949.11	10,175.00	78.43	83.54	-117.938	1,075.98	3,477.49	1,743.14	1,597.32	145.83	11.954	
13,000.00	9,360.00	14,027.98	10,175.00	80.01	85.09	-117.938	1,076.21	3,556.36	1,743.14	1,594.52	148.63	11.728	
13,021.13	9,360.00	14,049.11	10,175.00	80.43	85.50	-117.938	1,076.27	3,577.49	1,743.14	1,593.77	149.38	11.669	
13,100.00	9,360.00	14,127.98	10,175.00	82.01	87.05	-117.938	1,076.50	3,656.36	1,743.14	1,590.96	152.18	11.454	
13,121.13	9,360.00	14,149.11	10,175.00	82.43	87.47	-117.938	1,076.57	3,677.49	1,743.14	1,590.21	152.94	11.398	
13,200.00	9,360.00	14,227.98	10,175.00	84.02	89.02	-117.938	1,076.80	3,756.36	1,743.14	1,587.39	155.75	11.192	
13,221.13	9,360.00	14,249.11	10,175.00	84.44	89.44	-117.938	1,076.86	3,777.49	1,743.14	1,586.64	156.50	11.138	
13,300.00	9,360.00	14,327.98	10,175.00	86.02	90.99	-117.938	1,077.09	3,856.36	1,743.14	1,583.82	159.32	10.941	
13,321.13	9,360.00	14,349.11	10,175.00	86.45	91.41	-117.938	1,077.15	3,877.49	1,743.14	1,583.07	160.08	10.889	
13,400.00	9,360.00	14,427.98	10,175.00	88.04	92.97	-117.938	1,077.38	3,956.36	1,743.14	1,580.24	162.90	10.701	
13,421.13	9,360.00	14,449.11	10,175.00	88.46	93.39	-117.938	1,077.44	3,977.49	1,743.14	1,579.48	163.66	10.651	
13,500.00	9,360.00	14,527.98	10,175.00	90.05	94.95	-117.938	1,077.67	4,056.36	1,743.14	1,576.66	166.49	10.470	
13,521.13	9,360.00	14,549.11	10,175.00	90.48	95.37	-117.938	1,077.74	4,077.49	1,743.14	1,575.90	167.25	10.423	
13,600.00	9,360.00	14,627.98	10,175.00	92.07	96.94	-117.938	1,077.97	4,156.36	1,743.14	1,573.06	170.08	10.249	
13,621.13	9,360.00	14,649.11	10,175.00	92.49	97.36	-117.938	1,078.03	4,177.49	1,743.14	1,572.30	170.84	10.203	
13,700.00	9,360.00	14,727.98	10,175.00	94.08	98.93	-117.938	1,078.26	4,256.36	1,743.14	1,569.47	173.68	10.037	
13,721.13	9,360.00	14,749.11	10,175.00	94.51	99.35	-117.938	1,078.32	4,277.49	1,743.14	1,568.70	174.44	9.993	
13,800.00	9,360.00	14,827.98	10,175.00	96.11	100.92	-117.938	1,078.55	4,356.36	1,743.14	1,565.86	177.28	9.833	
13,821.13	9,360.00	14,849.11	10,175.00	96.53	101.34	-117.938	1,078.61	4,377.49	1,743.14	1,565.10	178.04	9.791	
13,900.00	9,360.00	14,927.98	10,175.00	98.13	102.91	-117.938	1,078.84	4,456.36	1,743.14	1,562.25	180.89	9.637	
13,921.13	9,360.00	14,949.11	10,175.00	98.56	103.33	-117.938	1,078.91	4,477.49	1,743.14	1,561.49	181.65	9.596	
14,000.00	9,360.00	15,027.98	10,175.00	100.15	104.91	-117.938	1,079.14	4,556.36	1,743.14	1,558.64	184.50	9.448	
14,021.13	9,360.00	15,049.11	10,175.00	100.58	105.33	-117.938	1,079.20	4,577.49	1,743.14	1,557.88	185.27	9.409	
14,100.00	9,360.00	15,127.98	10,175.00	102.18	106.91	-117.938	1,079.43	4,656.36	1,743.14	1,555.02	188.12	9.266	
14,121.13	9,360.00	15,149.11	10,175.00	102.61	107.33	-117.938	1,079.49	4,677.49	1,743.14	1,554.26	188.88	9.229	
14,200.00	9,360.00	15,227.98	10,175.00	104.21	108.91	-117.938	1,079.72	4,756.36	1,743.14	1,551.40	191.74	9.091	
14,221.13	9,360.00	15,249.11	10,175.00	104.64	109.34	-117.938	1,079.78	4,777.49	1,743.14	1,550.64	192.51	9.055	
14,300.00	9,360.00	15,327.98	10,175.00	106.24	110.92	-117.938	1,080.01	4,856.36	1,743.14	1,547.78	195.36	8.923	
14,321.13	9,360.00	15,349.11	10,175.00	106.67	111.34	-117.938	1,080.08	4,877.49	1,743.14	1,547.01	196.13	8.888	
14,400.00	9,360.00	15,427.98	10,175.00	108.27	112.93	-117.938	1,080.31	4,956.36	1,743.14	1,544.15	198.99	8.760	
14,421.13	9,360.00	15,449.11	10,175.00	108.70	113.35	-117.938	1,080.37	4,977.49	1,743.14	1,543.38	199.76	8.726	
14,500.00	9,360.00	15,527.98	10,175.00	110.30	114.94	-117.938	1,080.60	5,056.36	1,743.14	1,540.52	202.63	8.603	
14,521.13	9,360.00	15,549.11	10,175.00	110.73	115.36	-117.938	1,080.66	5,077.49	1,743.14	1,539.75	203.39	8.570	
14,600.00	9,360.00	15,627.98	10,175.00	112.34	116.95	-117.938	1,080.89	5,156.36	1,743.14	1,536.88	206.26	8.451	
14,621.13	9,360.00	15,649.11	10,175.00	112.77	117.37	-117.938	1,080.95	5,177.49	1,743.14	1,536.11	207.03	8.420	
14,700.00	9,360.00	15,727.98	10,175.00	114.38	118.96	-117.938	1,081.18	5,256.36	1,743.14	1,533.24	209.90	8.305	
14,721.13	9,360.00	15,749.11	10,175.00	114.81	119.39	-117.938	1,081.25	5,277.49	1,743.14	1,532.47	210.67	8.274	
14,800.00	9,360.00	15,827.98	10,175.00	116.41	120.98	-117.938	1,081.48	5,356.36	1,743.14	1,529.60	213.54	8.163	
14,821.13	9,360.00	15,849.11	10,175.00	116.84	121.40	-117.938	1,081.54	5,377.49	1,743.14	1,528.83	214.31	8.134	
14,900.00	9,360.00	15,927.98	10,175.00	118.45	123.00	-117.938	1,081.77	5,456.36	1,743.14	1,525.96	217.19	8.026	
14,921.13	9,360.00	15,949.11	10,175.00	118.88	123.42	-117.938	1,081.83	5,477.49	1,743.14	1,525.19	217.96	7.998	
15,000.00	9,360.00	16,027.98	10,175.00	120.49	125.02	-117.938	1,082.06	5,556.36	1,743.14	1,522.31	220.83	7.893	
15,021.13	9,360.00	16,049.11	10,175.00	120.92	125.44	-117.938	1,082.12	5,577.48	1,743.14	1,521.54	221.61	7.866	
15,100.00	9,360.00	16,127.98	10,175.00	122.53	127.04	-117.938	1,082.35	5,656.36	1,743.14	1,518.66	224.48	7.765	
15,121.13	9,360.00	16,149.11	10,175.00	122.96	127.46	-117.938	1,082.42	5,677.48	1,743.14	1,517.89	225.26	7.738	
15,200.00	9,360.00	16,227.98	10,175.00	124.57	129.06	-117.938	1,082.65	5,756.36	1,743.14	1,515.01	228.14	7.641	
15,221.13	9,360.00	16,249.11	10,175.00	125.00	129.49	-117.938	1,082.71	5,777.48	1,743.14	1,514.23	228.91	7.615	
15,300.00	9,360.00	16,327.98	10,175.00	126.61	131.08	-117.938	1,082.94	5,856.36	1,743.14	1,511.35	231.79	7.520	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,321.13	9,360.00	16,349.11	10,175.00	127.05	131.51	-117.938	1,083.00	5,877.48	1,743.14	1,510.58	232.56	7.495	
15,400.00	9,360.00	16,427.98	10,175.00	128.66	133.11	-117.938	1,083.23	5,956.35	1,743.14	1,507.69	235.45	7.403	
15,421.13	9,360.00	16,449.11	10,175.00	129.09	133.54	-117.938	1,083.29	5,977.48	1,743.14	1,506.92	236.22	7.379	
15,500.00	9,360.00	16,527.98	10,175.00	130.70	135.14	-117.938	1,083.52	6,056.35	1,743.14	1,504.03	239.11	7.290	
15,521.13	9,360.00	16,549.11	10,175.00	131.13	135.56	-117.938	1,083.59	6,077.48	1,743.14	1,503.26	239.88	7.267	
15,600.00	9,360.00	16,627.98	10,175.00	132.75	137.16	-117.938	1,083.82	6,156.35	1,743.14	1,500.37	242.77	7.180	
15,621.13	9,360.00	16,649.11	10,175.00	133.18	137.59	-117.938	1,083.88	6,177.48	1,743.14	1,499.60	243.54	7.157	
15,700.00	9,360.00	16,727.98	10,175.00	134.79	139.19	-117.938	1,084.11	6,256.35	1,743.14	1,496.71	246.43	7.074	
15,721.13	9,360.00	16,749.11	10,175.00	135.22	139.62	-117.938	1,084.17	6,277.48	1,743.14	1,495.94	247.21	7.051	
15,800.00	9,360.00	16,827.98	10,175.00	136.84	141.22	-117.938	1,084.40	6,356.35	1,743.14	1,493.05	250.10	6.970	
15,821.13	9,360.00	16,849.11	10,175.00	137.27	141.65	-117.938	1,084.46	6,377.48	1,743.14	1,492.27	250.87	6.948	
15,900.00	9,360.00	16,927.98	10,175.00	138.88	143.26	-117.938	1,084.69	6,456.35	1,743.14	1,489.38	253.76	6.869	
15,921.13	9,360.00	16,949.11	10,175.00	139.32	143.68	-117.938	1,084.76	6,477.48	1,743.14	1,488.60	254.54	6.848	
16,000.00	9,360.00	17,027.98	10,175.00	140.93	145.29	-117.938	1,084.99	6,556.35	1,743.14	1,485.71	257.43	6.771	
16,021.13	9,360.00	17,049.11	10,175.00	141.36	145.72	-117.938	1,085.05	6,577.48	1,743.14	1,484.94	258.21	6.751	
16,100.00	9,360.00	17,127.98	10,175.00	142.98	147.32	-117.938	1,085.28	6,656.35	1,743.14	1,482.04	261.10	6.676	
16,121.13	9,360.00	17,149.11	10,175.00	143.41	147.75	-117.938	1,085.34	6,677.48	1,743.14	1,481.26	261.88	6.656	
16,200.00	9,360.00	17,227.98	10,175.00	145.03	149.36	-117.938	1,085.57	6,756.35	1,743.14	1,478.37	264.77	6.584	
16,221.13	9,360.00	17,249.11	10,175.00	145.46	149.79	-117.938	1,085.63	6,777.48	1,743.14	1,477.59	265.55	6.564	
16,300.00	9,360.00	17,327.98	10,175.00	147.08	151.39	-117.938	1,085.86	6,856.35	1,743.14	1,474.70	268.45	6.493	
16,321.13	9,360.00	17,349.11	10,175.00	147.51	151.82	-117.938	1,085.93	6,877.48	1,743.14	1,473.92	269.22	6.475	
16,400.00	9,360.00	17,427.98	10,175.00	149.13	153.43	-117.938	1,086.16	6,956.35	1,743.14	1,471.02	272.12	6.406	
16,421.13	9,360.00	17,449.11	10,175.00	149.56	153.86	-117.938	1,086.22	6,977.48	1,743.14	1,470.24	272.90	6.388	
16,500.00	9,360.00	17,527.98	10,175.00	151.18	155.47	-117.938	1,086.45	7,056.35	1,743.14	1,467.35	275.80	6.320	
16,521.13	9,360.00	17,549.11	10,175.00	151.61	155.90	-117.938	1,086.51	7,077.48	1,743.14	1,466.57	276.57	6.303	
16,600.00	9,360.00	17,627.98	10,175.00	153.23	157.50	-117.938	1,086.74	7,156.35	1,743.14	1,463.67	279.47	6.237	
16,621.13	9,360.00	17,649.11	10,175.00	153.66	157.94	-117.938	1,086.80	7,177.48	1,743.14	1,462.89	280.25	6.220	
16,700.00	9,360.00	17,727.98	10,175.00	155.28	159.54	-117.938	1,087.03	7,256.35	1,743.14	1,459.99	283.15	6.156	
16,721.13	9,360.00	17,749.11	10,175.00	155.72	159.98	-117.938	1,087.10	7,277.48	1,743.14	1,459.21	283.93	6.139	
16,800.00	9,360.00	17,827.98	10,175.00	157.33	161.58	-117.938	1,087.33	7,356.34	1,743.14	1,456.31	286.83	6.077	
16,821.13	9,360.00	17,849.11	10,175.00	157.77	162.02	-117.938	1,087.39	7,377.48	1,743.14	1,455.53	287.61	6.061	
16,900.00	9,360.00	17,927.98	10,175.00	159.39	163.62	-117.938	1,087.62	7,456.34	1,743.14	1,452.63	290.51	6.000	
16,921.13	9,360.00	17,949.11	10,175.00	159.82	164.06	-117.938	1,087.68	7,477.48	1,743.14	1,451.85	291.29	5.984	
17,000.00	9,360.00	18,027.98	10,175.00	161.44	165.67	-117.938	1,087.91	7,556.34	1,743.14	1,448.95	294.20	5.925	
17,021.13	9,360.00	18,049.11	10,175.00	161.87	166.10	-117.938	1,087.97	7,577.48	1,743.14	1,448.17	294.97	5.909	
17,100.00	9,360.00	18,127.98	10,175.00	163.49	167.71	-117.938	1,088.21	7,656.34	1,743.14	1,445.26	297.88	5.852	
17,121.13	9,360.00	18,149.11	10,175.00	163.93	168.14	-117.938	1,088.27	7,677.48	1,743.14	1,444.49	298.66	5.837	
17,200.00	9,360.00	18,227.98	10,175.00	165.55	169.75	-117.938	1,088.50	7,756.34	1,743.14	1,441.58	301.56	5.780	
17,221.13	9,360.00	18,249.11	10,175.00	165.98	170.18	-117.938	1,088.56	7,777.48	1,743.14	1,440.80	302.34	5.765	
17,300.00	9,360.00	18,327.98	10,175.00	167.60	171.79	-117.938	1,088.79	7,856.34	1,743.14	1,437.90	305.25	5.711	
17,321.13	9,360.00	18,349.11	10,175.00	168.04	172.23	-117.938	1,088.85	7,877.47	1,743.14	1,437.12	306.03	5.696	
17,400.00	9,360.00	18,427.98	10,175.00	169.66	173.84	-117.938	1,089.08	7,956.34	1,743.14	1,434.21	308.93	5.642	
17,421.13	9,360.00	18,449.11	10,175.00	170.09	174.27	-117.938	1,089.14	7,977.47	1,743.14	1,433.43	309.71	5.628	
17,500.00	9,360.00	18,527.98	10,175.00	171.71	175.88	-117.938	1,089.38	8,056.34	1,743.14	1,430.52	312.62	5.576	
17,521.13	9,360.00	18,549.11	10,175.00	172.15	176.32	-117.938	1,089.44	8,077.47	1,743.14	1,429.74	313.40	5.562	
17,600.00	9,360.00	18,627.98	10,175.00	173.77	177.93	-117.938	1,089.67	8,156.34	1,743.14	1,426.83	316.31	5.511	
17,621.13	9,360.00	18,649.11	10,175.00	174.20	178.36	-117.938	1,089.73	8,177.47	1,743.14	1,426.06	317.09	5.497	
17,700.00	9,360.00	18,727.98	10,175.00	175.82	179.97	-117.938	1,089.96	8,256.34	1,743.14	1,423.15	320.00	5.447	
17,721.13	9,360.00	18,749.11	10,175.00	176.26	180.41	-117.938	1,090.02	8,277.47	1,743.14	1,422.37	320.78	5.434	
17,800.00	9,360.00	18,827.98	10,175.00	177.88	182.02	-117.938	1,090.25	8,356.34	1,743.14	1,419.46	323.69	5.385	
17,821.13	9,360.00	18,849.11	10,175.00	178.31	182.45	-117.938	1,090.31	8,377.47	1,743.14	1,418.68	324.47	5.372	
17,900.00	9,360.00	18,927.98	10,175.00	179.93	184.07	-117.938	1,090.55	8,456.34	1,743.14	1,415.77	327.38	5.325	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,921.13	9,360.00	18,949.11	10,175.00	180.37	184.50	-117.938	1,090.61	8,477.47	1,743.14	1,414.99	328.16	5.312	
18,000.00	9,360.00	19,027.98	10,175.00	181.99	186.12	-117.938	1,090.84	8,556.34	1,743.14	1,412.07	331.07	5.265	
18,021.13	9,360.00	19,049.11	10,175.00	182.43	186.55	-117.938	1,090.90	8,577.47	1,743.14	1,411.29	331.85	5.253	
18,100.00	9,360.00	19,127.98	10,175.00	184.05	188.16	-117.938	1,091.13	8,656.34	1,743.14	1,408.38	334.76	5.207	
18,121.13	9,360.00	19,149.11	10,175.00	184.48	188.60	-117.938	1,091.19	8,677.47	1,743.14	1,407.60	335.54	5.195	
18,200.00	9,360.00	19,227.98	10,175.00	186.11	190.21	-117.938	1,091.42	8,756.34	1,743.14	1,404.69	338.45	5.150	
18,221.13	9,360.00	19,249.11	10,175.00	186.54	190.64	-117.938	1,091.48	8,777.47	1,743.14	1,403.91	339.23	5.138	
18,300.00	9,360.00	19,327.98	10,175.00	188.16	192.26	-117.938	1,091.72	8,856.34	1,743.14	1,401.00	342.15	5.095	
18,321.13	9,360.00	19,349.11	10,175.00	188.60	192.69	-117.938	1,091.78	8,877.47	1,743.14	1,400.22	342.93	5.083	
18,400.00	9,360.00	19,427.98	10,175.00	190.22	194.31	-117.938	1,092.01	8,956.34	1,743.14	1,397.30	345.84	5.040	
18,421.13	9,360.00	19,449.11	10,175.00	190.66	194.74	-117.938	1,092.07	8,977.47	1,743.14	1,396.52	346.62	5.029	
18,500.00	9,360.00	19,527.98	10,175.00	192.28	196.36	-117.938	1,092.30	9,056.34	1,743.14	1,393.61	349.54	4.987	
18,521.13	9,360.00	19,549.11	10,175.00	192.71	196.79	-117.938	1,092.36	9,077.47	1,743.14	1,392.83	350.32	4.976	
18,600.00	9,360.00	19,627.98	10,175.00	194.34	198.41	-117.938	1,092.59	9,156.34	1,743.14	1,389.91	353.23	4.935	
18,621.13	9,360.00	19,649.11	10,175.00	194.77	198.84	-117.938	1,092.66	9,177.47	1,743.14	1,389.13	354.01	4.924	
18,700.00	9,360.00	19,727.98	10,175.00	196.40	200.46	-117.938	1,092.89	9,256.34	1,743.14	1,386.22	356.93	4.884	
18,721.13	9,360.00	19,749.11	10,175.00	196.83	200.89	-117.938	1,092.95	9,277.47	1,743.14	1,385.43	357.71	4.873	
18,800.00	9,360.00	19,827.98	10,175.00	198.46	202.51	-117.938	1,093.18	9,356.34	1,743.14	1,382.52	360.62	4.834	
18,821.13	9,360.00	19,849.11	10,175.00	198.89	202.94	-117.938	1,093.24	9,377.47	1,743.14	1,381.74	361.40	4.823	
18,900.00	9,360.00	19,927.98	10,175.00	200.51	204.56	-117.938	1,093.47	9,456.34	1,743.14	1,378.82	364.32	4.785	
18,921.13	9,360.00	19,949.11	10,175.00	200.95	205.00	-117.938	1,093.53	9,477.47	1,743.14	1,378.04	365.10	4.774	
19,000.00	9,360.00	20,027.98	10,175.00	202.57	206.61	-117.938	1,093.76	9,556.34	1,743.14	1,375.12	368.02	4.737	
19,021.13	9,360.00	20,049.11	10,175.00	203.01	207.05	-117.938	1,093.83	9,577.47	1,743.14	1,374.34	368.80	4.727	
19,100.00	9,360.00	20,127.98	10,175.00	204.63	208.67	-117.938	1,094.06	9,656.33	1,743.14	1,371.43	371.72	4.689	
19,121.13	9,360.00	20,149.11	10,175.00	205.07	209.10	-117.938	1,094.12	9,677.47	1,743.14	1,370.64	372.50	4.680	
19,200.00	9,360.00	20,227.98	10,175.00	206.69	210.72	-117.938	1,094.35	9,756.33	1,743.14	1,367.73	375.42	4.643	
19,221.13	9,360.00	20,249.11	10,175.00	207.13	211.15	-117.938	1,094.41	9,777.47	1,743.14	1,366.95	376.20	4.634	
19,300.00	9,360.00	20,327.98	10,175.00	208.75	212.77	-117.938	1,094.64	9,856.33	1,743.14	1,364.03	379.12	4.598	
19,321.13	9,360.00	20,349.11	10,175.00	209.19	213.21	-117.938	1,094.70	9,877.47	1,743.14	1,363.25	379.90	4.588	
19,400.00	9,360.00	20,427.98	10,175.00	210.81	214.82	-117.938	1,094.93	9,956.33	1,743.14	1,360.33	382.81	4.553	
19,421.13	9,360.00	20,449.11	10,175.00	211.25	215.26	-117.938	1,095.00	9,977.47	1,743.14	1,359.55	383.60	4.544	
19,500.00	9,360.00	20,527.98	10,175.00	212.87	216.88	-117.938	1,095.23	10,056.33	1,743.14	1,356.63	386.52	4.510	
19,521.13	9,360.00	20,549.11	10,175.00	213.31	217.31	-117.938	1,095.29	10,077.47	1,743.14	1,355.85	387.30	4.501	
19,600.00	9,360.00	20,627.98	10,175.00	214.93	218.93	-117.938	1,095.52	10,156.33	1,743.14	1,352.93	390.22	4.467	
19,621.13	9,360.00	20,649.11	10,175.00	215.37	219.37	-117.938	1,095.58	10,177.47	1,743.14	1,352.14	391.00	4.458	
19,700.00	9,360.00	20,727.98	10,175.00	216.99	220.99	-117.938	1,095.81	10,256.33	1,743.14	1,349.23	393.92	4.425	
19,721.13	9,360.00	20,749.11	10,175.00	217.43	221.42	-117.938	1,095.87	10,277.46	1,743.14	1,348.44	394.70	4.416	
19,800.00	9,360.00	20,827.98	10,175.00	219.05	223.04	-117.938	1,096.10	10,356.33	1,743.14	1,345.52	397.62	4.384	
19,821.13	9,360.00	20,849.11	10,175.00	219.49	223.47	-117.938	1,096.17	10,377.46	1,743.14	1,344.74	398.40	4.375	
19,900.00	9,360.00	20,927.98	10,175.00	221.12	225.09	-117.938	1,096.40	10,456.33	1,743.14	1,341.82	401.32	4.344	
19,921.13	9,360.00	20,949.11	10,175.00	221.55	225.53	-117.938	1,096.46	10,477.46	1,743.14	1,341.04	402.10	4.335	
20,000.00	9,360.00	21,027.98	10,175.00	223.18	227.15	-117.938	1,096.69	10,556.33	1,743.14	1,338.12	405.02	4.304	
20,021.13	9,360.00	21,049.11	10,175.00	223.61	227.58	-117.938	1,096.75	10,577.46	1,743.14	1,337.34	405.81	4.295	
20,100.00	9,360.00	21,127.98	10,175.00	225.24	229.20	-117.938	1,096.98	10,656.33	1,743.14	1,334.42	408.73	4.265	
20,121.13	9,360.00	21,149.11	10,175.00	225.67	229.64	-117.938	1,097.04	10,677.46	1,743.14	1,333.63	409.51	4.257	
20,200.00	9,360.00	21,227.98	10,175.00	227.30	231.26	-117.938	1,097.27	10,756.33	1,743.14	1,330.71	412.43	4.227	
20,221.13	9,360.00	21,249.11	10,175.00	227.74	231.69	-117.938	1,097.34	10,777.46	1,743.14	1,329.93	413.21	4.219	
20,300.00	9,360.00	21,327.98	10,175.00	229.36	233.32	-117.938	1,097.57	10,856.33	1,743.14	1,327.01	416.13	4.189	
20,321.13	9,360.00	21,349.11	10,175.00	229.80	233.75	-117.938	1,097.63	10,877.46	1,743.14	1,326.22	416.92	4.181	
20,400.00	9,360.00	21,427.98	10,175.00	231.42	235.37	-117.938	1,097.86	10,956.33	1,743.14	1,323.30	419.84	4.152	
20,421.13	9,360.00	21,449.11	10,175.00	231.86	235.81	-117.938	1,097.92	10,977.46	1,743.14	1,322.52	420.62	4.144	
20,500.00	9,360.00	21,527.98	10,175.00	233.49	237.43	-117.938	1,098.15	11,056.33	1,743.14	1,319.60	423.54	4.116	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
20,521.13	9,360.00	21,549.11	10,175.00	233.92	237.86	-117.938	1,098.21	11,077.46	1,743.14	1,318.82	424.33	4.108	
20,600.00	9,360.00	21,627.98	10,175.00	235.55	239.48	-117.938	1,098.44	11,156.33	1,743.14	1,315.89	427.25	4.080	
20,621.13	9,360.00	21,649.11	10,175.00	235.98	239.92	-117.938	1,098.51	11,177.46	1,743.14	1,315.11	428.03	4.072	
20,700.00	9,360.00	21,727.98	10,175.00	237.61	241.54	-117.938	1,098.74	11,256.33	1,743.14	1,312.19	430.95	4.045	
20,721.13	9,360.00	21,749.11	10,175.00	238.05	241.98	-117.938	1,098.80	11,277.46	1,743.14	1,311.41	431.74	4.038	
20,800.00	9,360.00	21,827.98	10,175.00	239.67	243.60	-117.938	1,099.03	11,356.33	1,743.14	1,308.48	434.66	4.010	
20,821.13	9,360.00	21,849.11	10,175.00	240.11	244.03	-117.938	1,099.09	11,377.46	1,743.14	1,307.70	435.44	4.003	
20,900.00	9,360.00	21,927.98	10,175.00	241.73	245.66	-117.938	1,099.32	11,456.33	1,743.14	1,304.78	438.37	3.976	
20,921.13	9,360.00	21,949.11	10,175.00	242.17	246.09	-117.938	1,099.38	11,477.46	1,743.14	1,303.99	439.15	3.969	
21,000.00	9,360.00	22,027.98	10,175.00	243.80	247.71	-117.938	1,099.61	11,556.33	1,743.14	1,301.07	442.07	3.943	
21,021.13	9,360.00	22,049.11	10,175.00	244.23	248.15	-117.938	1,099.68	11,577.46	1,743.14	1,300.29	442.86	3.936	
21,100.00	9,360.00	22,127.98	10,175.00	245.86	249.77	-117.938	1,099.91	11,656.33	1,743.14	1,297.36	445.78	3.910	
21,121.13	9,360.00	22,149.11	10,175.00	246.30	250.20	-117.938	1,099.97	11,677.46	1,743.14	1,296.58	446.56	3.903	
21,200.00	9,360.00	22,227.98	10,175.00	247.92	251.83	-117.938	1,100.20	11,756.33	1,743.14	1,293.66	449.49	3.878	
21,221.13	9,360.00	22,249.11	10,175.00	248.36	252.26	-117.938	1,100.26	11,777.46	1,743.14	1,292.87	450.27	3.871	
21,300.00	9,360.00	22,327.98	10,175.00	249.99	253.89	-117.938	1,100.49	11,856.33	1,743.14	1,289.95	453.19	3.846	
21,321.13	9,360.00	22,349.11	10,175.00	250.42	254.32	-117.938	1,100.55	11,877.46	1,743.14	1,289.17	453.98	3.840	
21,400.00	9,360.00	22,427.98	10,175.00	252.05	255.94	-117.938	1,100.78	11,956.33	1,743.14	1,286.24	456.90	3.815	
21,421.13	9,360.00	22,449.11	10,175.00	252.48	256.38	-117.938	1,100.85	11,977.46	1,743.14	1,285.46	457.68	3.809	
21,500.00	9,360.00	22,527.98	10,175.00	254.11	258.00	-117.938	1,101.08	12,056.32	1,743.14	1,282.53	460.61	3.784	
21,521.13	9,360.00	22,549.11	10,175.00	254.55	258.44	-117.938	1,101.14	12,077.46	1,743.14	1,281.75	461.39	3.778	
21,600.00	9,360.00	22,627.98	10,175.00	256.17	260.06	-117.938	1,101.37	12,156.32	1,743.14	1,278.83	464.32	3.754	
21,621.13	9,360.00	22,649.11	10,175.00	256.61	260.50	-117.938	1,101.43	12,177.46	1,743.14	1,278.04	465.10	3.748	
21,700.00	9,360.00	22,727.98	10,175.00	258.24	262.12	-117.938	1,101.66	12,256.32	1,743.14	1,275.12	468.03	3.724	
21,721.13	9,360.00	22,749.11	10,175.00	258.67	262.55	-117.938	1,101.72	12,277.46	1,743.14	1,274.33	468.81	3.718	
21,800.00	9,360.00	22,827.98	10,175.00	260.30	264.18	-117.938	1,101.95	12,356.32	1,743.14	1,271.41	471.73	3.695	
21,821.13	9,360.00	22,849.11	10,175.00	260.74	264.61	-117.938	1,102.02	12,377.46	1,743.14	1,270.62	472.52	3.689	
21,900.00	9,360.00	22,927.98	10,175.00	262.37	266.24	-117.938	1,102.25	12,456.32	1,743.14	1,267.70	475.44	3.666	
21,921.13	9,360.00	22,949.11	10,175.00	262.80	266.67	-117.938	1,102.31	12,477.46	1,743.14	1,266.92	476.23	3.660	
22,000.00	9,360.00	23,027.98	10,175.00	264.43	268.30	-117.938	1,102.54	12,556.32	1,743.14	1,263.99	479.15	3.638	
22,021.13	9,360.00	23,049.11	10,175.00	264.87	268.73	-117.938	1,102.60	12,577.45	1,743.14	1,263.21	479.94	3.632	
22,100.00	9,360.00	23,127.98	10,175.00	266.49	270.36	-117.938	1,102.83	12,656.32	1,743.14	1,260.28	482.86	3.610	
22,121.13	9,360.00	23,149.11	10,175.00	266.93	270.79	-117.938	1,102.89	12,677.45	1,743.14	1,259.50	483.65	3.604	
22,200.00	9,360.00	23,227.98	10,175.00	268.56	272.41	-117.938	1,103.12	12,756.32	1,743.14	1,256.57	486.57	3.583	
22,221.13	9,360.00	23,249.11	10,175.00	268.99	272.85	-117.938	1,103.19	12,777.45	1,743.14	1,255.79	487.36	3.577	
22,300.00	9,360.00	23,327.98	10,175.00	270.62	274.47	-117.938	1,103.42	12,856.32	1,743.14	1,252.86	490.28	3.555	
22,321.13	9,360.00	23,349.11	10,175.00	271.06	274.91	-117.938	1,103.48	12,877.45	1,743.14	1,252.08	491.07	3.550	
22,400.00	9,360.00	23,427.98	10,175.00	272.68	276.53	-117.938	1,103.71	12,956.32	1,743.14	1,249.15	493.99	3.529	
22,421.13	9,360.00	23,449.11	10,175.00	273.12	276.97	-117.938	1,103.77	12,977.45	1,743.14	1,248.37	494.78	3.523	
22,500.00	9,360.00	23,527.98	10,175.00	274.75	278.59	-117.938	1,104.00	13,056.32	1,743.14	1,245.44	497.70	3.502	
22,521.13	9,360.00	23,549.11	10,175.00	275.19	279.03	-117.938	1,104.06	13,077.45	1,743.14	1,244.66	498.49	3.497	
22,600.00	9,360.00	23,627.98	10,175.00	276.81	280.65	-117.938	1,104.30	13,156.32	1,743.14	1,241.73	501.41	3.476	
22,621.13	9,360.00	23,649.11	10,175.00	277.25	281.09	-117.938	1,104.36	13,177.45	1,743.14	1,240.95	502.20	3.471	
22,700.00	9,360.00	23,727.98	10,175.00	278.88	282.71	-117.938	1,104.59	13,256.32	1,743.14	1,238.02	505.12	3.451	
22,743.73	9,360.00	23,771.71	10,175.00	279.78	283.62	-117.938	1,104.72	13,300.05	1,743.14	1,236.40	506.75	3.440	
22,771.47	9,360.00	23,793.77	10,175.00	280.35	284.07	-117.938	1,104.78	13,322.11	1,743.15	1,235.49	507.66	3.434 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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-65.444	112.17	-245.50	269.92				
100.00	100.00	98.32	98.32	0.79	0.77	-65.444	112.17	-245.50	269.91	268.35	1.56	173.232	
200.00	200.00	198.32	198.32	1.45	1.44	-65.444	112.17	-245.50	269.91	267.03	2.88	93.683	
300.00	300.00	298.32	298.32	1.89	1.88	-65.444	112.17	-245.50	269.91	266.14	3.78	71.483	
400.00	400.00	398.32	398.32	2.25	2.25	-65.444	112.17	-245.50	269.91	265.41	4.50	59.963	
500.00	500.00	498.32	498.32	2.57	2.56	-65.444	112.17	-245.50	269.91	264.78	5.13	52.613	
600.00	600.00	598.32	598.32	2.85	2.84	-65.444	112.17	-245.50	269.91	264.22	5.69	47.399	
700.00	700.00	698.32	698.32	3.11	3.10	-65.444	112.17	-245.50	269.91	263.70	6.21	43.450	
800.00	800.00	798.32	798.32	3.35	3.34	-65.444	112.17	-245.50	269.91	263.22	6.69	40.324	
900.00	900.00	898.32	898.32	3.58	3.57	-65.444	112.17	-245.50	269.91	262.77	7.15	37.768	
1,000.00	1,000.00	998.32	998.32	3.79	3.79	-65.444	112.17	-245.50	269.91	262.34	7.58	35.628	
1,100.00	1,100.00	1,098.32	1,098.32	3.99	3.99	-65.444	112.17	-245.50	269.91	261.93	7.99	33.800	
1,200.00	1,200.00	1,198.32	1,198.32	4.19	4.19	-65.444	112.17	-245.50	269.91	261.53	8.38	32.215	
1,300.00	1,300.00	1,298.32	1,298.32	4.38	4.38	-65.444	112.17	-245.50	269.91	261.16	8.76	30.824	
1,400.00	1,400.00	1,398.32	1,398.32	4.56	4.56	-65.444	112.17	-245.50	269.91	260.79	9.12	29.589	
1,500.00	1,500.00	1,498.32	1,498.32	4.74	4.74	-65.444	112.17	-245.50	269.91	260.44	9.48	28.483	
1,600.00	1,600.00	1,598.32	1,598.32	4.91	4.91	-65.444	112.17	-245.50	269.91	260.09	9.82	27.485	
1,700.00	1,700.00	1,698.32	1,698.32	5.08	5.08	-65.444	112.17	-245.50	269.91	259.76	10.16	26.578	
1,800.00	1,800.00	1,798.32	1,798.32	5.24	5.24	-65.444	112.17	-245.50	269.91	259.43	10.48	25.749	
1,900.00	1,900.00	1,898.32	1,898.32	5.40	5.40	-65.444	112.17	-245.50	269.91	259.11	10.80	24.987	
2,000.00	2,000.00	1,998.32	1,998.32	5.56	5.56	-65.444	112.17	-245.50	269.91	258.80	11.11	24.284 CC, ES	
2,100.00	2,100.00	2,094.16	2,094.14	5.71	5.79	-65.154	113.71	-245.59	270.67	259.24	11.43	23.677	
2,200.00	2,200.00	2,189.71	2,189.57	5.86	6.02	-64.277	118.44	-245.85	273.03	261.29	11.74	23.248	
2,300.00	2,300.00	2,284.85	2,284.38	6.01	6.27	-62.851	126.30	-246.28	277.13	265.07	12.06	22.985	
2,400.00	2,400.00	2,379.36	2,378.25	6.16	6.54	-60.936	137.21	-246.89	283.17	270.80	12.37	22.886	
2,500.00	2,500.00	2,473.04	2,470.89	6.30	6.81	-58.616	151.08	-247.66	291.40	278.70	12.70	22.947	
2,600.00	2,599.98	2,566.75	2,563.07	6.49	7.02	92.625	167.88	-248.59	302.12	289.16	12.96	23.311	
2,700.00	2,699.84	2,663.99	2,658.56	6.68	7.26	95.980	186.25	-249.61	314.66	301.39	13.27	23.719	
2,800.00	2,799.45	2,760.45	2,753.28	6.88	7.53	99.577	204.47	-250.63	328.95	315.32	13.63	24.142	
2,900.00	2,898.74	2,856.10	2,847.20	6.98	7.82	103.420	222.54	-251.63	345.39	331.43	13.96	24.738	
3,000.00	2,997.97	2,951.59	2,940.97	7.15	8.12	107.163	240.57	-252.63	363.61	349.21	14.39	25.262	
3,100.00	3,097.19	3,047.09	3,034.74	7.34	8.43	110.554	258.61	-253.63	383.25	368.40	14.85	25.800	
3,200.00	3,196.41	3,142.58	3,128.51	7.55	8.75	113.621	276.65	-254.63	404.12	388.78	15.34	26.337	
3,300.00	3,295.63	3,238.08	3,222.28	7.77	9.09	116.393	294.69	-255.64	426.04	410.18	15.86	26.861	
3,400.00	3,394.86	3,333.57	3,316.05	8.02	9.43	118.899	312.72	-256.64	448.85	432.45	16.40	27.367	
3,500.00	3,494.08	3,429.07	3,409.82	8.27	9.78	121.167	330.76	-257.64	472.43	455.46	16.96	27.848	
3,600.00	3,593.30	3,524.56	3,503.59	8.55	10.14	123.223	348.80	-258.64	496.66	479.11	17.55	28.302	
3,700.00	3,692.52	3,620.06	3,597.37	8.83	10.50	125.092	366.84	-259.64	521.45	503.30	18.15	28.728	
3,800.00	3,791.75	3,715.55	3,691.14	9.12	10.87	126.793	384.87	-260.65	546.73	527.96	18.77	29.125	
3,900.00	3,890.97	3,811.05	3,784.91	9.42	11.25	128.347	402.91	-261.65	572.43	553.02	19.41	29.495	
4,000.00	3,990.19	3,906.54	3,878.68	9.74	11.63	129.769	420.95	-262.65	598.50	578.44	20.06	29.838	
4,100.00	4,089.41	4,002.04	3,972.45	10.06	12.01	131.075	438.98	-263.65	624.89	604.17	20.72	30.156	
4,200.00	4,188.64	4,097.53	4,066.22	10.38	12.40	132.275	457.02	-264.65	651.57	630.17	21.40	30.450	
4,300.00	4,287.86	4,193.03	4,159.99	10.72	12.80	133.383	475.06	-265.65	678.49	656.41	22.08	30.722	
4,400.00	4,387.08	4,288.52	4,253.76	11.06	13.19	134.407	493.10	-266.66	705.64	682.85	22.78	30.974	
4,500.00	4,486.30	4,384.02	4,347.53	11.40	13.59	135.356	511.13	-267.66	732.98	709.49	23.49	31.207	
4,600.00	4,585.53	4,479.51	4,441.30	11.75	13.99	136.237	529.17	-268.66	760.49	736.29	24.20	31.423	
4,700.00	4,684.75	4,575.01	4,535.07	12.11	14.40	137.058	547.21	-269.66	788.17	763.24	24.92	31.624	
4,800.00	4,783.97	4,670.50	4,628.84	12.47	14.81	137.823	565.25	-270.66	815.98	790.33	25.65	31.810	
4,900.00	4,883.19	4,766.00	4,722.61	12.83	15.21	138.539	583.28	-271.67	843.92	817.53	26.39	31.983	
5,000.00	4,982.42	4,861.49	4,816.38	13.20	15.63	139.208	601.32	-272.67	871.98	844.85	27.13	32.144	
5,100.00	5,081.64	4,956.99	4,910.15	13.57	16.04	139.837	619.36	-273.67	900.14	872.26	27.87	32.294	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,180.86	5,052.48	5,003.92	13.94	16.45	140.427	637.40	-274.67	928.39	899.77	28.62	32.434	
5,300.00	5,280.08	5,147.98	5,097.69	14.32	16.87	140.983	655.43	-275.67	956.73	927.35	29.38	32.564	
5,400.00	5,379.31	5,243.47	5,191.47	14.70	17.29	141.507	673.47	-276.67	985.15	955.01	30.14	32.687	
5,500.00	5,478.53	5,338.97	5,285.24	15.08	17.70	142.002	691.51	-277.68	1,013.64	982.74	30.90	32.801	
5,600.00	5,577.75	5,434.46	5,379.01	15.46	18.12	142.470	709.55	-278.68	1,042.20	1,010.53	31.67	32.909	
5,700.00	5,676.97	5,529.96	5,472.78	15.85	18.55	142.914	727.58	-279.68	1,070.82	1,038.38	32.44	33.009	
5,800.00	5,776.20	5,625.45	5,566.55	16.23	18.97	143.334	745.62	-280.68	1,099.49	1,066.28	33.21	33.104	
5,900.00	5,875.42	5,720.95	5,660.32	16.62	19.39	143.733	763.66	-281.68	1,128.22	1,094.23	33.99	33.193	
6,000.00	5,974.64	5,816.44	5,754.09	17.01	19.82	144.112	781.69	-282.68	1,156.99	1,122.22	34.77	33.277	
6,100.00	6,073.86	5,911.94	5,847.86	17.40	20.24	144.473	799.73	-283.69	1,185.81	1,150.26	35.55	33.357	
6,200.00	6,173.09	6,007.43	5,941.63	17.80	20.67	144.817	817.77	-284.69	1,214.67	1,178.34	36.33	33.432	
6,300.00	6,272.31	6,102.93	6,035.40	18.19	21.09	145.145	835.81	-285.69	1,243.57	1,206.45	37.12	33.503	
6,400.00	6,371.53	6,198.42	6,129.17	18.59	21.52	145.458	853.84	-286.69	1,272.50	1,234.60	37.91	33.570	
6,500.00	6,470.75	6,293.92	6,222.94	18.98	21.95	145.758	871.88	-287.69	1,301.47	1,262.77	38.70	33.633	
6,600.00	6,569.98	6,389.41	6,316.71	19.38	22.38	146.044	889.92	-288.70	1,330.47	1,290.98	39.49	33.693	
6,700.00	6,669.20	6,484.91	6,410.48	19.78	22.81	146.318	907.96	-289.70	1,359.50	1,319.22	40.28	33.750	
6,800.00	6,768.42	6,580.40	6,504.25	20.18	23.24	146.581	925.99	-290.70	1,388.55	1,347.48	41.08	33.805	
6,900.00	6,867.64	6,675.89	6,598.02	20.58	23.67	146.833	944.03	-291.70	1,417.64	1,375.76	41.87	33.856	
7,000.00	6,966.88	6,771.42	6,691.82	20.97	24.10	147.150	962.07	-292.70	1,446.66	1,404.01	42.65	33.917	
7,100.00	7,066.38	6,867.59	6,786.25	21.38	24.54	147.629	980.24	-293.71	1,473.71	1,430.26	43.45	33.915	
7,200.00	7,166.17	6,964.57	6,881.49	21.74	24.98	147.992	998.56	-294.73	1,497.92	1,453.71	44.22	33.876	
7,300.00	7,266.12	7,064.47	6,989.27	22.05	25.50	148.242	1,020.90	-295.97	1,519.11	1,474.03	45.07	33.702	
7,400.00	7,366.12	7,164.09	7,087.82	22.10	26.43	-0.242	1,050.12	-297.59	1,533.10	1,486.86	46.24	33.153	
7,500.00	7,466.12	7,264.02	7,187.25	22.12	27.22	-0.268	1,063.91	-298.36	1,539.52	1,492.46	47.06	32.711	
7,600.00	7,566.12	7,364.22	7,287.44	22.15	27.37	-0.270	1,064.93	-298.42	1,540.00	1,492.79	47.21	32.622	
7,700.00	7,666.12	7,464.44	7,387.66	22.18	27.42	-0.270	1,064.93	-298.42	1,540.00	1,492.71	47.29	32.563	
7,800.00	7,766.12	7,564.22	7,487.44	22.21	27.47	-0.270	1,064.93	-298.42	1,540.00	1,492.63	47.37	32.509	
7,900.00	7,866.12	7,664.22	7,587.44	22.24	27.49	-0.258	1,064.93	-298.08	1,540.00	1,492.56	47.43	32.466	
7,936.71	7,902.84	7,989.02	7,901.16	22.25	27.49	-0.168	1,064.94	-295.66	1,539.99	1,492.53	47.46	32.446	
8,000.00	7,966.12	8,051.09	7,962.47	22.27	27.50	0.182	1,064.97	-286.25	1,540.02	1,492.48	47.54	32.394	
8,100.00	8,066.12	8,143.27	8,050.80	22.30	27.51	1.152	1,065.05	-260.20	1,540.46	1,492.73	47.73	32.273	
8,200.00	8,166.12	8,225.37	8,125.05	22.33	27.53	2.447	1,065.15	-225.33	1,542.10	1,494.12	47.99	32.136	
8,300.00	8,266.12	8,300.00	8,187.60	22.36	27.58	3.952	1,065.27	-184.73	1,545.90	1,497.61	48.28	32.016	
8,400.00	8,366.12	8,350.00	8,226.33	22.39	27.62	5.120	1,065.36	-153.13	1,552.73	1,504.20	48.53	31.997	
8,500.00	8,466.12	8,400.00	8,262.15	22.43	27.68	6.403	1,065.46	-118.27	1,563.32	1,514.56	48.76	32.064	
8,600.00	8,566.12	8,450.00	8,294.80	22.46	27.77	7.789	1,065.57	-80.42	1,578.17	1,529.20	48.97	32.227	
8,700.00	8,666.12	8,484.49	8,315.34	22.49	27.84	8.797	1,065.65	-52.73	1,597.65	1,548.58	49.07	32.560	
8,800.00	8,766.12	8,514.75	8,331.96	22.52	27.91	9.713	1,065.73	-27.44	1,621.90	1,572.81	49.09	33.038	
8,900.00	8,865.87	8,550.00	8,349.60	22.43	28.01	-76.797	1,065.82	3.07	1,649.97	1,600.93	49.04	33.649	
9,000.00	8,963.22	8,573.69	8,360.40	22.26	28.08	-73.275	1,065.88	24.16	1,678.77	1,629.98	48.79	34.409	
9,100.00	9,055.22	8,600.00	8,371.34	22.07	28.17	-69.880	1,065.95	48.08	1,706.97	1,658.48	48.50	35.198	
9,200.00	9,139.06	8,650.00	8,389.08	21.91	28.37	-66.411	1,066.08	94.81	1,733.27	1,684.86	48.41	35.806	
9,300.00	9,212.22	8,676.80	8,396.89	21.82	28.50	-63.850	1,066.16	120.44	1,756.48	1,708.32	48.16	36.470	
9,400.00	9,272.45	8,700.00	8,402.67	21.85	28.61	-61.799	1,066.22	142.91	1,775.97	1,728.00	47.97	37.019	
9,500.00	9,317.93	8,750.00	8,412.02	22.05	28.87	-60.064	1,066.37	192.01	1,790.58	1,742.36	48.22	37.136	
9,600.00	9,347.29	8,800.00	8,417.06	22.46	29.17	-58.991	1,066.51	241.74	1,800.26	1,751.58	48.67	36.986	
9,619.93	9,351.12	8,800.00	8,417.06	22.58	29.17	-58.891	1,066.51	241.74	1,801.43	1,752.72	48.70	36.989	
9,700.00	9,359.62	8,832.82	8,418.00	23.09	29.39	-58.601	1,066.61	274.54	1,804.27	1,755.10	49.17	36.691	
9,800.00	9,360.00	8,914.65	8,418.00	23.90	29.99	-58.592	1,066.85	356.37	1,804.38	1,753.98	50.40	35.800	
9,829.13	9,360.00	8,943.78	8,418.00	24.18	30.23	-58.592	1,066.93	385.50	1,804.38	1,753.50	50.88	35.463	
9,900.00	9,360.00	9,014.65	8,418.00	24.86	30.83	-58.592	1,067.14	456.37	1,804.38	1,752.32	52.06	34.662	
9,929.37	9,360.00	9,044.02	8,418.00	25.18	31.10	-58.592	1,067.23	485.74	1,804.38	1,751.78	52.60	34.305	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,000.00	9,360.00	9,114.65	8,418.00	25.96	31.78	-58.592	1,067.43	556.37	1,804.38	1,750.46	53.91	33.467	
10,029.37	9,360.00	9,144.02	8,418.00	26.31	32.09	-58.592	1,067.52	585.74	1,804.38	1,749.87	54.51	33.101	
10,100.00	9,360.00	9,214.65	8,418.00	27.17	32.84	-58.592	1,067.73	656.37	1,804.38	1,748.42	55.96	32.246	
10,129.37	9,360.00	9,244.02	8,418.00	27.56	33.18	-58.592	1,067.81	685.74	1,804.38	1,747.78	56.60	31.879	
10,200.00	9,360.00	9,314.65	8,418.00	28.49	34.00	-58.592	1,068.02	756.37	1,804.38	1,746.22	58.16	31.024	
10,229.37	9,360.00	9,344.02	8,418.00	28.91	34.36	-58.592	1,068.11	785.74	1,804.38	1,745.53	58.85	30.662	
10,300.00	9,360.00	9,414.65	8,418.00	29.90	35.23	-58.592	1,068.31	856.37	1,804.38	1,743.87	60.51	29.820	
10,329.37	9,360.00	9,444.02	8,418.00	30.34	35.62	-58.592	1,068.40	885.74	1,804.38	1,743.15	61.23	29.467	
10,400.00	9,360.00	9,514.65	8,418.00	31.39	36.55	-58.592	1,068.60	956.37	1,804.38	1,741.40	62.98	28.648	
10,429.37	9,360.00	9,544.02	8,418.00	31.85	36.95	-58.592	1,068.69	985.74	1,804.38	1,740.64	63.74	28.308	
10,500.00	9,360.00	9,614.65	8,418.00	32.95	37.93	-58.592	1,068.90	1,056.37	1,804.38	1,738.81	65.57	27.518	
10,529.37	9,360.00	9,644.02	8,418.00	33.42	38.35	-58.592	1,068.98	1,085.74	1,804.38	1,738.02	66.36	27.192	
10,600.00	9,360.00	9,714.65	8,418.00	34.56	39.37	-58.592	1,069.19	1,156.37	1,804.38	1,736.13	68.25	26.436	
10,629.37	9,360.00	9,744.02	8,418.00	35.05	39.81	-58.592	1,069.28	1,185.74	1,804.38	1,735.31	69.07	26.125	
10,700.00	9,360.00	9,814.65	8,418.00	36.22	40.87	-58.592	1,069.48	1,256.37	1,804.38	1,733.36	71.02	25.405	
10,729.37	9,360.00	9,844.02	8,418.00	36.72	41.32	-58.592	1,069.57	1,285.74	1,804.38	1,732.52	71.86	25.110	
10,800.00	9,360.00	9,914.65	8,418.00	37.93	42.41	-58.592	1,069.77	1,356.37	1,804.38	1,730.51	73.87	24.426	
10,829.37	9,360.00	9,944.02	8,418.00	38.44	42.88	-58.592	1,069.86	1,385.74	1,804.38	1,729.65	74.73	24.147	
10,900.00	9,360.00	10,014.65	8,418.00	39.67	44.00	-58.592	1,070.07	1,456.37	1,804.38	1,727.59	76.78	23.499	
10,929.37	9,360.00	10,044.02	8,418.00	40.19	44.48	-58.592	1,070.15	1,485.74	1,804.38	1,726.72	77.66	23.235	
11,000.00	9,360.00	10,114.65	8,418.00	41.44	45.63	-58.592	1,070.36	1,556.37	1,804.38	1,724.62	79.76	22.623	
11,029.37	9,360.00	10,144.02	8,418.00	41.97	46.12	-58.592	1,070.45	1,585.74	1,804.38	1,723.73	80.65	22.374	
11,100.00	9,360.00	10,214.65	8,418.00	43.24	47.29	-58.592	1,070.65	1,656.37	1,804.38	1,721.60	82.78	21.796	
11,129.37	9,360.00	10,244.02	8,418.00	43.77	47.79	-58.592	1,070.74	1,685.74	1,804.38	1,720.69	83.69	21.561	
11,200.00	9,360.00	10,314.65	8,418.00	45.06	48.98	-58.592	1,070.95	1,756.37	1,804.38	1,718.52	85.86	21.016	
11,229.37	9,360.00	10,344.02	8,418.00	45.60	49.49	-58.592	1,071.03	1,785.74	1,804.38	1,717.61	86.77	20.795	
11,300.00	9,360.00	10,414.65	8,418.00	46.91	50.70	-58.592	1,071.24	1,856.37	1,804.38	1,715.41	88.97	20.280	
11,329.37	9,360.00	10,444.02	8,418.00	47.45	51.22	-58.592	1,071.32	1,885.74	1,804.38	1,714.48	89.90	20.071	
11,400.00	9,360.00	10,514.65	8,418.00	48.77	52.45	-58.592	1,071.53	1,956.37	1,804.38	1,712.25	92.13	19.586	
11,429.37	9,360.00	10,544.02	8,418.00	49.32	52.97	-58.592	1,071.62	1,985.74	1,804.38	1,711.32	93.06	19.389	
11,500.00	9,360.00	10,614.65	8,418.00	50.65	54.22	-58.592	1,071.82	2,056.37	1,804.38	1,709.06	95.32	18.931	
11,529.37	9,360.00	10,644.02	8,418.00	51.21	54.75	-58.592	1,071.91	2,085.73	1,804.38	1,708.12	96.26	18.745	
11,600.00	9,360.00	10,714.65	8,418.00	52.55	56.01	-58.592	1,072.12	2,156.37	1,804.38	1,705.85	98.53	18.312	
11,629.37	9,360.00	10,744.02	8,418.00	53.11	56.54	-58.592	1,072.20	2,185.73	1,804.38	1,704.89	99.49	18.137	
11,700.00	9,360.00	10,814.65	8,418.00	54.45	57.82	-58.592	1,072.41	2,256.37	1,804.38	1,702.60	101.78	17.728	
11,729.37	9,360.00	10,844.02	8,418.00	55.02	58.35	-58.592	1,072.49	2,285.73	1,804.38	1,701.64	102.74	17.563	
11,800.00	9,360.00	10,914.65	8,418.00	56.37	59.64	-58.592	1,072.70	2,356.37	1,804.38	1,699.33	105.05	17.176	
11,829.37	9,360.00	10,944.02	8,418.00	56.94	60.18	-58.592	1,072.79	2,385.73	1,804.38	1,698.36	106.02	17.020	
11,900.00	9,360.00	11,014.65	8,418.00	58.30	61.49	-58.592	1,072.99	2,456.37	1,804.38	1,696.03	108.35	16.654	
11,929.37	9,360.00	11,044.02	8,418.00	58.87	62.03	-58.592	1,073.08	2,485.73	1,804.38	1,695.06	109.32	16.506	
12,000.00	9,360.00	11,114.65	8,418.00	60.24	63.34	-58.592	1,073.29	2,556.37	1,804.38	1,692.72	111.66	16.160	
12,029.37	9,360.00	11,144.02	8,418.00	60.82	63.89	-58.592	1,073.37	2,585.73	1,804.38	1,691.74	112.64	16.019	
12,100.00	9,360.00	11,214.65	8,418.00	62.19	65.21	-58.592	1,073.58	2,656.36	1,804.38	1,689.38	114.99	15.691	
12,129.37	9,360.00	11,244.02	8,418.00	62.77	65.76	-58.592	1,073.66	2,685.73	1,804.38	1,688.40	115.98	15.558	
12,200.00	9,360.00	11,314.65	8,418.00	64.15	67.09	-58.592	1,073.87	2,756.36	1,804.38	1,686.03	118.35	15.247	
12,229.37	9,360.00	11,344.02	8,418.00	64.73	67.64	-58.592	1,073.96	2,785.73	1,804.38	1,685.04	119.33	15.120	
12,300.00	9,360.00	11,414.65	8,418.00	66.11	68.98	-58.592	1,074.16	2,856.36	1,804.38	1,682.67	121.71	14.825	
12,329.37	9,360.00	11,444.02	8,418.00	66.69	69.54	-58.592	1,074.25	2,885.73	1,804.38	1,681.67	122.71	14.705	
12,400.00	9,360.00	11,514.65	8,418.00	68.08	70.88	-58.592	1,074.46	2,956.36	1,804.38	1,679.28	125.10	14.424	
12,429.37	9,360.00	11,544.02	8,418.00	68.66	71.44	-58.592	1,074.54	2,985.73	1,804.38	1,678.29	126.09	14.310	
12,500.00	9,360.00	11,614.65	8,418.00	70.06	72.79	-58.592	1,074.75	3,056.36	1,804.38	1,675.89	128.49	14.043	
12,529.37	9,360.00	11,644.02	8,418.00	70.64	73.35	-58.592	1,074.83	3,085.73	1,804.38	1,674.89	129.49	13.934	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,600.00	9,360.00	11,714.65	8,418.00	72.04	74.71	-58.592	1,075.04	3,156.36	1,804.38	1,672.48	131.90	13.680	
12,629.37	9,360.00	11,744.02	8,418.00	72.62	75.28	-58.592	1,075.13	3,185.73	1,804.38	1,671.48	132.90	13.577	
12,700.00	9,360.00	11,814.65	8,418.00	74.02	76.64	-58.592	1,075.33	3,256.36	1,804.38	1,669.06	135.32	13.334	
12,729.37	9,360.00	11,844.02	8,418.00	74.61	77.20	-58.592	1,075.42	3,285.73	1,804.38	1,668.05	136.33	13.236	
12,800.00	9,360.00	11,914.65	8,418.00	76.01	78.57	-58.592	1,075.63	3,356.36	1,804.38	1,665.63	138.75	13.005	
12,829.37	9,360.00	11,944.02	8,418.00	76.60	79.14	-58.592	1,075.71	3,385.73	1,804.38	1,664.62	139.76	12.911	
12,900.00	9,360.00	12,014.65	8,418.00	78.01	80.51	-58.592	1,075.92	3,456.36	1,804.38	1,662.19	142.19	12.690	
12,929.37	9,360.00	12,044.02	8,418.00	78.60	81.08	-58.592	1,076.00	3,485.73	1,804.38	1,661.18	143.20	12.600	
13,000.00	9,360.00	12,114.65	8,418.00	80.01	82.46	-58.592	1,076.21	3,556.36	1,804.38	1,658.74	145.64	12.389	
13,029.37	9,360.00	12,144.02	8,418.00	80.60	83.03	-58.592	1,076.30	3,585.73	1,804.38	1,657.72	146.66	12.304	
13,100.00	9,360.00	12,214.65	8,418.00	82.01	84.41	-58.592	1,076.50	3,656.36	1,804.38	1,655.28	149.10	12.102	
13,129.37	9,360.00	12,244.02	8,418.00	82.60	84.98	-58.592	1,076.59	3,685.73	1,804.38	1,654.26	150.12	12.020	
13,200.00	9,360.00	12,314.65	8,418.00	84.02	86.37	-58.592	1,076.80	3,756.36	1,804.38	1,651.82	152.56	11.827	
13,229.37	9,360.00	12,344.02	8,418.00	84.60	86.94	-58.592	1,076.88	3,785.73	1,804.38	1,650.80	153.58	11.748	
13,300.00	9,360.00	12,414.65	8,418.00	86.02	88.33	-58.592	1,077.09	3,856.36	1,804.38	1,648.34	156.04	11.564	
13,329.37	9,360.00	12,444.02	8,418.00	86.61	88.91	-58.592	1,077.17	3,885.73	1,804.38	1,647.32	157.06	11.488	
13,400.00	9,360.00	12,514.65	8,418.00	88.04	90.30	-58.592	1,077.38	3,956.36	1,804.38	1,644.86	159.52	11.311	
13,429.37	9,360.00	12,544.02	8,418.00	88.63	90.88	-58.592	1,077.47	3,985.73	1,804.38	1,643.84	160.54	11.239	
13,500.00	9,360.00	12,614.65	8,418.00	90.05	92.27	-58.592	1,077.67	4,056.36	1,804.38	1,641.37	163.01	11.069	
13,529.37	9,360.00	12,644.02	8,418.00	90.64	92.85	-58.592	1,077.76	4,085.73	1,804.38	1,640.35	164.03	11.000	
13,600.00	9,360.00	12,714.65	8,418.00	92.07	94.25	-58.592	1,077.97	4,156.36	1,804.38	1,637.88	166.50	10.837	
13,629.37	9,360.00	12,744.02	8,418.00	92.66	94.83	-58.592	1,078.05	4,185.73	1,804.38	1,636.85	167.53	10.771	
13,700.00	9,360.00	12,814.65	8,418.00	94.08	96.23	-58.592	1,078.26	4,256.36	1,804.38	1,634.38	170.00	10.614	
13,729.37	9,360.00	12,844.02	8,418.00	94.68	96.81	-58.592	1,078.34	4,285.73	1,804.38	1,633.35	171.03	10.550	
13,800.00	9,360.00	12,914.65	8,418.00	96.11	98.21	-58.592	1,078.55	4,356.36	1,804.38	1,630.88	173.50	10.400	
13,829.37	9,360.00	12,944.02	8,418.00	96.70	98.80	-58.592	1,078.64	4,385.72	1,804.38	1,629.85	174.53	10.338	
13,900.00	9,360.00	13,014.65	8,418.00	98.13	100.20	-58.592	1,078.84	4,456.36	1,804.38	1,627.37	177.01	10.194	
13,929.37	9,360.00	13,044.02	8,418.00	98.72	100.79	-58.592	1,078.93	4,485.72	1,804.38	1,626.33	178.04	10.134	
14,000.00	9,360.00	13,114.65	8,418.00	100.15	102.19	-58.592	1,079.14	4,556.36	1,804.38	1,623.85	180.53	9.995	
14,029.37	9,360.00	13,144.02	8,418.00	100.75	102.78	-58.592	1,079.22	4,585.72	1,804.38	1,622.82	181.56	9.938	
14,100.00	9,360.00	13,214.65	8,418.00	102.18	104.19	-58.592	1,079.43	4,656.36	1,804.38	1,620.33	184.05	9.804	
14,129.37	9,360.00	13,244.02	8,418.00	102.78	104.77	-58.592	1,079.51	4,685.72	1,804.38	1,619.30	185.08	9.749	
14,200.00	9,360.00	13,314.65	8,418.00	104.21	106.18	-58.592	1,079.72	4,756.36	1,804.38	1,616.81	187.57	9.620	
14,229.37	9,360.00	13,344.02	8,418.00	104.81	106.77	-58.592	1,079.81	4,785.72	1,804.38	1,615.77	188.60	9.567	
14,300.00	9,360.00	13,414.65	8,418.00	106.24	108.18	-58.592	1,080.01	4,856.36	1,804.38	1,613.28	191.10	9.442	
14,329.37	9,360.00	13,444.02	8,418.00	106.84	108.77	-58.592	1,080.10	4,885.72	1,804.38	1,612.25	192.13	9.391	
14,400.00	9,360.00	13,514.65	8,418.00	108.27	110.19	-58.592	1,080.31	4,956.35	1,804.38	1,609.75	194.63	9.271	
14,429.37	9,360.00	13,544.02	8,418.00	108.87	110.77	-58.592	1,080.39	4,985.72	1,804.38	1,608.71	195.67	9.222	
14,500.00	9,360.00	13,614.65	8,418.00	110.30	112.19	-58.592	1,080.60	5,056.35	1,804.38	1,606.22	198.16	9.106	
14,529.37	9,360.00	13,644.02	8,418.00	110.90	112.78	-58.592	1,080.68	5,085.72	1,804.38	1,605.18	199.20	9.058	
14,600.00	9,360.00	13,714.65	8,418.00	112.34	114.20	-58.592	1,080.89	5,156.35	1,804.38	1,602.68	201.70	8.946	
14,629.37	9,360.00	13,744.02	8,418.00	112.94	114.79	-58.592	1,080.98	5,185.72	1,804.38	1,601.64	202.74	8.900	
14,700.00	9,360.00	13,814.65	8,418.00	114.38	116.21	-58.592	1,081.18	5,256.35	1,804.38	1,599.14	205.24	8.791	
14,729.37	9,360.00	13,844.02	8,418.00	114.97	116.80	-58.592	1,081.27	5,285.72	1,804.38	1,598.10	206.28	8.747	
14,800.00	9,360.00	13,914.65	8,418.00	116.41	118.22	-58.592	1,081.48	5,356.35	1,804.38	1,595.59	208.79	8.642	
14,829.37	9,360.00	13,944.02	8,418.00	117.01	118.81	-58.592	1,081.56	5,385.72	1,804.38	1,594.55	209.83	8.599	
14,900.00	9,360.00	14,014.65	8,418.00	118.45	120.23	-58.592	1,081.77	5,456.35	1,804.38	1,592.05	212.33	8.498	
14,929.37	9,360.00	14,044.02	8,418.00	119.05	120.82	-58.592	1,081.86	5,485.72	1,804.38	1,591.00	213.38	8.456	
15,000.00	9,360.00	14,114.65	8,418.00	120.49	122.25	-58.592	1,082.06	5,556.35	1,804.38	1,588.50	215.88	8.358	
15,029.37	9,360.00	14,144.02	8,418.00	121.09	122.84	-58.592	1,082.15	5,585.72	1,804.38	1,587.45	216.93	8.318	
15,100.00	9,360.00	14,214.65	8,418.00	122.53	124.26	-58.592	1,082.35	5,656.35	1,804.38	1,584.94	219.44	8.223	
15,129.37	9,360.00	14,244.02	8,418.00	123.13	124.86	-58.592	1,082.44	5,685.72	1,804.38	1,583.90	220.48	8.184	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,200.00	9,360.00	14,314.65	8,418.00	124.57	126.28	-58.592	1,082.65	5,756.35	1,804.38	1,581.39	222.99	8.092	
15,229.37	9,360.00	14,344.02	8,418.00	125.17	126.88	-58.592	1,082.73	5,785.72	1,804.38	1,580.34	224.04	8.054	
15,300.00	9,360.00	14,414.65	8,418.00	126.61	128.30	-58.592	1,082.94	5,856.35	1,804.38	1,577.83	226.55	7.965	
15,329.37	9,360.00	14,444.02	8,418.00	127.21	128.90	-58.592	1,083.03	5,885.72	1,804.38	1,576.78	227.60	7.928	
15,400.00	9,360.00	14,514.65	8,418.00	128.66	130.32	-58.592	1,083.23	5,956.35	1,804.38	1,574.27	230.11	7.841	
15,429.37	9,360.00	14,544.02	8,418.00	129.26	130.92	-58.592	1,083.32	5,985.72	1,804.38	1,573.22	231.16	7.806	
15,500.00	9,360.00	14,614.65	8,418.00	130.70	132.35	-58.592	1,083.52	6,056.35	1,804.38	1,570.71	233.67	7.722	
15,529.37	9,360.00	14,644.02	8,418.00	131.30	132.94	-58.592	1,083.61	6,085.72	1,804.38	1,569.66	234.72	7.687	
15,600.00	9,360.00	14,714.65	8,418.00	132.75	134.37	-58.592	1,083.82	6,156.35	1,804.38	1,567.14	237.24	7.606	
15,629.37	9,360.00	14,744.02	8,418.00	133.35	134.97	-58.592	1,083.90	6,185.72	1,804.38	1,566.09	238.28	7.572	
15,700.00	9,360.00	14,814.65	8,418.00	134.79	136.40	-58.592	1,084.11	6,256.35	1,804.38	1,563.58	240.80	7.493	
15,729.37	9,360.00	14,844.02	8,418.00	135.39	136.99	-58.592	1,084.20	6,285.72	1,804.38	1,562.53	241.85	7.461	
15,800.00	9,360.00	14,914.65	8,418.00	136.84	138.43	-58.592	1,084.40	6,356.35	1,804.38	1,560.01	244.37	7.384	
15,829.37	9,360.00	14,944.02	8,418.00	137.44	139.02	-58.592	1,084.49	6,385.72	1,804.38	1,558.96	245.42	7.352	
15,900.00	9,360.00	15,014.65	8,418.00	138.88	140.45	-58.592	1,084.69	6,456.35	1,804.38	1,556.44	247.94	7.277	
15,929.37	9,360.00	15,044.02	8,418.00	139.49	141.05	-58.592	1,084.78	6,485.72	1,804.38	1,555.39	248.99	7.247	
16,000.00	9,360.00	15,114.65	8,418.00	140.93	142.48	-58.592	1,084.99	6,556.35	1,804.38	1,552.86	251.51	7.174	
16,029.37	9,360.00	15,144.02	8,418.00	141.53	143.08	-58.592	1,085.07	6,585.72	1,804.38	1,551.82	252.56	7.144	
16,100.00	9,360.00	15,214.65	8,418.00	142.98	144.52	-58.592	1,085.28	6,656.35	1,804.38	1,549.29	255.09	7.074	
16,129.37	9,360.00	15,244.02	8,418.00	143.58	145.11	-58.592	1,085.37	6,685.72	1,804.38	1,548.24	256.14	7.045	
16,200.00	9,360.00	15,314.65	8,418.00	145.03	146.55	-58.592	1,085.57	6,756.35	1,804.38	1,545.72	258.66	6.976	
16,229.37	9,360.00	15,344.02	8,418.00	145.63	147.14	-58.592	1,085.66	6,785.71	1,804.38	1,544.67	259.71	6.948	
16,300.00	9,360.00	15,414.65	8,418.00	147.08	148.58	-58.592	1,085.86	6,856.35	1,804.38	1,542.14	262.24	6.881	
16,329.37	9,360.00	15,444.02	8,418.00	147.68	149.18	-58.592	1,085.95	6,885.71	1,804.38	1,541.09	263.29	6.853	
16,400.00	9,360.00	15,514.65	8,418.00	149.13	150.62	-58.592	1,086.16	6,956.35	1,804.38	1,538.56	265.82	6.788	
16,429.37	9,360.00	15,544.02	8,418.00	149.73	151.21	-58.592	1,086.24	6,985.71	1,804.38	1,537.51	266.87	6.761	
16,500.00	9,360.00	15,614.65	8,418.00	151.18	152.65	-58.592	1,086.45	7,056.35	1,804.38	1,534.98	269.40	6.698	
16,529.37	9,360.00	15,644.02	8,418.00	151.78	153.25	-58.592	1,086.54	7,085.71	1,804.38	1,533.93	270.45	6.672	
16,600.00	9,360.00	15,714.65	8,418.00	153.23	154.69	-58.592	1,086.74	7,156.35	1,804.38	1,531.40	272.98	6.610	
16,629.37	9,360.00	15,744.02	8,418.00	153.83	155.28	-58.592	1,086.83	7,185.71	1,804.38	1,530.35	274.03	6.585	
16,700.00	9,360.00	15,814.65	8,418.00	155.28	156.72	-58.592	1,087.03	7,256.35	1,804.38	1,527.82	276.56	6.524	
16,729.37	9,360.00	15,844.02	8,418.00	155.88	157.32	-58.592	1,087.12	7,285.71	1,804.38	1,526.76	277.61	6.500	
16,800.00	9,360.00	15,914.65	8,418.00	157.33	158.76	-58.592	1,087.33	7,356.34	1,804.38	1,524.23	280.15	6.441	
16,829.37	9,360.00	15,944.02	8,418.00	157.94	159.36	-58.592	1,087.41	7,385.71	1,804.38	1,523.18	281.20	6.417	
16,900.00	9,360.00	16,014.65	8,418.00	159.39	160.80	-58.592	1,087.62	7,456.34	1,804.38	1,520.65	283.73	6.359	
16,929.37	9,360.00	16,044.02	8,418.00	159.99	161.40	-58.592	1,087.71	7,485.71	1,804.38	1,519.59	284.78	6.336	
17,000.00	9,360.00	16,114.65	8,418.00	161.44	162.84	-58.592	1,087.91	7,556.34	1,804.38	1,517.06	287.32	6.280	
17,029.37	9,360.00	16,144.02	8,418.00	162.04	163.44	-58.592	1,088.00	7,585.71	1,804.38	1,516.01	288.37	6.257	
17,100.00	9,360.00	16,214.65	8,418.00	163.49	164.88	-58.592	1,088.21	7,656.34	1,804.38	1,513.47	290.90	6.203	
17,129.37	9,360.00	16,244.02	8,418.00	164.10	165.48	-58.592	1,088.29	7,685.71	1,804.38	1,512.42	291.96	6.180	
17,200.00	9,360.00	16,314.65	8,418.00	165.55	166.92	-58.592	1,088.50	7,756.34	1,804.38	1,509.89	294.49	6.127	
17,229.37	9,360.00	16,344.02	8,418.00	166.15	167.52	-58.592	1,088.58	7,785.71	1,804.38	1,508.83	295.55	6.105	
17,300.00	9,360.00	16,414.65	8,418.00	167.60	168.96	-58.592	1,088.79	7,856.34	1,804.38	1,506.30	298.08	6.053	
17,329.37	9,360.00	16,444.02	8,418.00	168.21	169.56	-58.592	1,088.88	7,885.71	1,804.38	1,505.24	299.14	6.032	
17,400.00	9,360.00	16,514.65	8,418.00	169.66	171.00	-58.592	1,089.08	7,956.34	1,804.38	1,502.71	301.67	5.981	
17,429.37	9,360.00	16,544.02	8,418.00	170.26	171.60	-58.592	1,089.17	7,985.71	1,804.38	1,501.65	302.73	5.960	
17,500.00	9,360.00	16,614.65	8,418.00	171.71	173.05	-58.592	1,089.38	8,056.34	1,804.38	1,499.11	305.26	5.911	
17,529.37	9,360.00	16,644.02	8,418.00	172.32	173.65	-58.592	1,089.46	8,085.71	1,804.38	1,498.06	306.32	5.891	
17,600.00	9,360.00	16,714.65	8,418.00	173.77	175.09	-58.592	1,089.67	8,156.34	1,804.38	1,495.52	308.86	5.842	
17,629.37	9,360.00	16,744.02	8,418.00	174.37	175.69	-58.592	1,089.75	8,185.71	1,804.38	1,494.47	309.91	5.822	
17,700.00	9,360.00	16,814.65	8,418.00	175.82	177.13	-58.592	1,089.96	8,256.34	1,804.38	1,491.93	312.45	5.775	
17,729.37	9,360.00	16,844.02	8,418.00	176.43	177.74	-58.592	1,090.05	8,285.71	1,804.38	1,490.87	313.51	5.755	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		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	
17,800.00	9,360.00	16,914.65	8,418.00	177.88	179.18	-58.592	1,090.25	8,356.34	1,804.38	1,488.33	316.04	5.709	
17,829.37	9,360.00	16,944.02	8,418.00	178.48	179.78	-58.592	1,090.34	8,385.71	1,804.38	1,487.28	317.10	5.690	
17,900.00	9,360.00	17,014.65	8,418.00	179.93	181.22	-58.592	1,090.55	8,456.34	1,804.38	1,484.74	319.64	5.645	
17,929.37	9,360.00	17,044.02	8,418.00	180.54	181.83	-58.592	1,090.63	8,485.71	1,804.38	1,483.68	320.70	5.626	
18,000.00	9,360.00	17,114.65	8,418.00	181.99	183.27	-58.592	1,090.84	8,556.34	1,804.38	1,481.14	323.24	5.582	
18,029.37	9,360.00	17,144.02	8,418.00	182.60	183.87	-58.592	1,090.92	8,585.71	1,804.38	1,480.09	324.29	5.564	
18,100.00	9,360.00	17,214.65	8,418.00	184.05	185.32	-58.592	1,091.13	8,656.34	1,804.38	1,477.55	326.83	5.521	
18,129.37	9,360.00	17,244.02	8,418.00	184.65	185.92	-58.592	1,091.22	8,685.71	1,804.38	1,476.49	327.89	5.503	
18,200.00	9,360.00	17,314.65	8,418.00	186.11	187.36	-58.592	1,091.42	8,756.34	1,804.38	1,473.95	330.43	5.461	
18,229.37	9,360.00	17,344.02	8,418.00	186.71	187.97	-58.592	1,091.51	8,785.71	1,804.38	1,472.89	331.49	5.443	
18,300.00	9,360.00	17,414.65	8,418.00	188.16	189.41	-58.592	1,091.72	8,856.34	1,804.38	1,470.35	334.03	5.402	
18,329.37	9,360.00	17,444.02	8,418.00	188.77	190.01	-58.592	1,091.80	8,885.71	1,804.38	1,469.29	335.08	5.385	
18,400.00	9,360.00	17,514.65	8,418.00	190.22	191.46	-58.592	1,092.01	8,956.34	1,804.38	1,466.75	337.63	5.344	
18,429.37	9,360.00	17,544.02	8,418.00	190.83	192.06	-58.592	1,092.09	8,985.71	1,804.38	1,465.69	338.68	5.328	
18,500.00	9,360.00	17,614.65	8,418.00	192.28	193.51	-58.592	1,092.30	9,056.34	1,804.38	1,463.15	341.23	5.288	
18,529.37	9,360.00	17,644.02	8,418.00	192.88	194.11	-58.592	1,092.39	9,085.70	1,804.38	1,462.09	342.28	5.272	
18,600.00	9,360.00	17,714.65	8,418.00	194.34	195.56	-58.592	1,092.59	9,156.34	1,804.38	1,459.55	344.83	5.233	
18,629.37	9,360.00	17,744.02	8,418.00	194.94	196.16	-58.592	1,092.68	9,185.70	1,804.38	1,458.49	345.88	5.217	
18,700.00	9,360.00	17,814.65	8,418.00	196.40	197.61	-58.592	1,092.89	9,256.34	1,804.38	1,455.95	348.43	5.179	
18,729.37	9,360.00	17,844.02	8,418.00	197.00	198.21	-58.592	1,092.97	9,285.70	1,804.38	1,454.89	349.49	5.163	
18,800.00	9,360.00	17,914.65	8,418.00	198.46	199.66	-58.592	1,093.18	9,356.34	1,804.38	1,452.35	352.03	5.126	
18,829.37	9,360.00	17,944.02	8,418.00	199.06	200.26	-58.592	1,093.26	9,385.70	1,804.38	1,451.29	353.09	5.110	
18,900.00	9,360.00	18,014.65	8,418.00	200.51	201.71	-58.592	1,093.47	9,456.34	1,804.38	1,448.75	355.63	5.074	
18,929.37	9,360.00	18,044.02	8,418.00	201.12	202.31	-58.592	1,093.56	9,485.70	1,804.38	1,447.69	356.69	5.059	
19,000.00	9,360.00	18,114.65	8,418.00	202.57	203.76	-58.592	1,093.76	9,556.34	1,804.38	1,445.14	359.23	5.023	
19,029.37	9,360.00	18,144.02	8,418.00	203.18	204.36	-58.592	1,093.85	9,585.70	1,804.38	1,444.09	360.29	5.008	
19,100.00	9,360.00	18,214.65	8,418.00	204.63	205.81	-58.592	1,094.06	9,656.33	1,804.38	1,441.54	362.84	4.973	
19,129.37	9,360.00	18,244.02	8,418.00	205.24	206.41	-58.592	1,094.14	9,685.70	1,804.38	1,440.48	363.90	4.958	
19,200.00	9,360.00	18,314.65	8,418.00	206.69	207.86	-58.592	1,094.35	9,756.33	1,804.38	1,437.94	366.44	4.924	
19,229.37	9,360.00	18,344.02	8,418.00	207.30	208.46	-58.592	1,094.43	9,785.70	1,804.38	1,436.88	367.50	4.910	
19,300.00	9,360.00	18,414.65	8,418.00	208.75	209.91	-58.592	1,094.64	9,856.33	1,804.38	1,434.33	370.05	4.876	
19,329.37	9,360.00	18,444.02	8,418.00	209.36	210.51	-58.592	1,094.73	9,885.70	1,804.38	1,433.27	371.11	4.862	
19,400.00	9,360.00	18,514.65	8,418.00	210.81	211.96	-58.592	1,094.93	9,956.33	1,804.38	1,430.73	373.65	4.829	
19,429.37	9,360.00	18,544.02	8,418.00	211.42	212.56	-58.592	1,095.02	9,985.70	1,804.38	1,429.67	374.71	4.815	
19,500.00	9,360.00	18,614.65	8,418.00	212.87	214.01	-58.592	1,095.23	10,056.33	1,804.38	1,427.12	377.26	4.783	
19,529.37	9,360.00	18,644.02	8,418.00	213.48	214.62	-58.592	1,095.31	10,085.70	1,804.38	1,426.06	378.32	4.769	
19,600.00	9,360.00	18,714.65	8,418.00	214.93	216.07	-58.592	1,095.52	10,156.33	1,804.38	1,423.52	380.86	4.738	
19,629.37	9,360.00	18,744.02	8,418.00	215.54	216.67	-58.592	1,095.60	10,185.70	1,804.38	1,422.46	381.92	4.724	
19,700.00	9,360.00	18,814.65	8,418.00	216.99	218.12	-58.592	1,095.81	10,256.33	1,804.38	1,419.91	384.47	4.693	
19,729.37	9,360.00	18,844.02	8,418.00	217.60	218.72	-58.592	1,095.90	10,285.70	1,804.38	1,418.85	385.53	4.680	
19,800.00	9,360.00	18,914.65	8,418.00	219.05	220.17	-58.592	1,096.10	10,356.33	1,804.38	1,416.30	388.08	4.650	
19,829.37	9,360.00	18,944.02	8,418.00	219.66	220.78	-58.592	1,096.19	10,385.70	1,804.38	1,415.24	389.14	4.637	
19,900.00	9,360.00	19,014.65	8,418.00	221.12	222.23	-58.592	1,096.40	10,456.33	1,804.38	1,412.69	391.68	4.607	
19,929.37	9,360.00	19,044.02	8,418.00	221.72	222.83	-58.592	1,096.48	10,485.70	1,804.38	1,411.63	392.74	4.594	
20,000.00	9,360.00	19,114.65	8,418.00	223.18	224.28	-58.592	1,096.69	10,556.33	1,804.38	1,409.09	395.29	4.565	
20,029.37	9,360.00	19,144.02	8,418.00	223.78	224.88	-58.592	1,096.77	10,585.70	1,804.38	1,408.03	396.35	4.552	
20,100.00	9,360.00	19,214.65	8,418.00	225.24	226.34	-58.592	1,096.98	10,656.33	1,804.38	1,405.48	398.90	4.523	
20,129.37	9,360.00	19,244.02	8,418.00	225.84	226.94	-58.592	1,097.07	10,685.70	1,804.38	1,404.42	399.96	4.511	
20,200.00	9,360.00	19,314.65	8,418.00	227.30	228.39	-58.592	1,097.27	10,756.33	1,804.38	1,401.87	402.51	4.483	
20,229.37	9,360.00	19,344.02	8,418.00	227.91	228.99	-58.592	1,097.36	10,785.70	1,804.38	1,400.81	403.57	4.471	
20,300.00	9,360.00	19,414.65	8,418.00	229.36	230.44	-58.592	1,097.57	10,856.33	1,804.38	1,398.26	406.12	4.443	
20,329.37	9,360.00	19,444.02	8,418.00	229.97	231.05	-58.592	1,097.65	10,885.70	1,804.38	1,397.20	407.18	4.431	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		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	
20,400.00	9,360.00	19,514.65	8,418.00	231.42	232.50	-58.592	1,097.86	10,956.33	1,804.38	1,394.65	409.73	4.404	
20,429.37	9,360.00	19,544.02	8,418.00	232.03	233.10	-58.592	1,097.94	10,985.70	1,804.38	1,393.59	410.79	4.392	
20,500.00	9,360.00	19,614.65	8,418.00	233.49	234.55	-58.592	1,098.15	11,056.33	1,804.38	1,391.04	413.34	4.365	
20,529.37	9,360.00	19,644.02	8,418.00	234.09	235.16	-58.592	1,098.24	11,085.70	1,804.38	1,389.98	414.40	4.354	
20,600.00	9,360.00	19,714.65	8,418.00	235.55	236.61	-58.592	1,098.44	11,156.33	1,804.38	1,387.43	416.95	4.328	
20,629.37	9,360.00	19,744.02	8,418.00	236.15	237.21	-58.592	1,098.53	11,185.70	1,804.38	1,386.37	418.01	4.317	
20,700.00	9,360.00	19,814.65	8,418.00	237.61	238.67	-58.592	1,098.74	11,256.33	1,804.38	1,383.82	420.56	4.290	
20,729.37	9,360.00	19,844.02	8,418.00	238.22	239.27	-58.592	1,098.82	11,285.70	1,804.38	1,382.76	421.62	4.280	
20,800.00	9,360.00	19,914.65	8,418.00	239.67	240.72	-58.592	1,099.03	11,356.33	1,804.38	1,380.21	424.17	4.254	
20,829.37	9,360.00	19,944.02	8,418.00	240.28	241.33	-58.592	1,099.12	11,385.70	1,804.38	1,379.15	425.23	4.243	
20,900.00	9,360.00	20,014.65	8,418.00	241.73	242.78	-58.592	1,099.32	11,456.33	1,804.38	1,376.60	427.78	4.218	
20,929.37	9,360.00	20,044.02	8,418.00	242.34	243.38	-58.592	1,099.41	11,485.69	1,804.38	1,375.53	428.84	4.208	
21,000.00	9,360.00	20,114.65	8,418.00	243.80	244.84	-58.592	1,099.61	11,556.33	1,804.38	1,372.98	431.40	4.183	
21,029.37	9,360.00	20,144.02	8,418.00	244.40	245.44	-58.592	1,099.70	11,585.69	1,804.38	1,371.92	432.46	4.172	
21,100.00	9,360.00	20,214.65	8,418.00	245.86	246.89	-58.592	1,099.91	11,656.33	1,804.38	1,369.37	435.01	4.148	
21,129.37	9,360.00	20,244.02	8,418.00	246.47	247.50	-58.592	1,099.99	11,685.69	1,804.38	1,368.31	436.07	4.138	
21,200.00	9,360.00	20,314.65	8,418.00	247.92	248.95	-58.592	1,100.20	11,756.33	1,804.38	1,365.76	438.62	4.114	
21,229.37	9,360.00	20,344.02	8,418.00	248.53	249.55	-58.592	1,100.29	11,785.69	1,804.38	1,364.70	439.68	4.104	
21,300.00	9,360.00	20,414.65	8,418.00	249.99	251.01	-58.592	1,100.49	11,856.33	1,804.38	1,362.15	442.23	4.080	
21,329.37	9,360.00	20,444.02	8,418.00	250.59	251.61	-58.592	1,100.58	11,885.69	1,804.38	1,361.08	443.29	4.070	
21,400.00	9,360.00	20,514.65	8,418.00	252.05	253.06	-58.592	1,100.78	11,956.33	1,804.38	1,358.53	445.85	4.047	
21,429.37	9,360.00	20,544.02	8,418.00	252.65	253.67	-58.592	1,100.87	11,985.69	1,804.38	1,357.47	446.91	4.037	
21,500.00	9,360.00	20,614.65	8,418.00	254.11	255.12	-58.592	1,101.08	12,056.32	1,804.38	1,354.92	449.46	4.015	
21,529.37	9,360.00	20,644.02	8,418.00	254.72	255.73	-58.592	1,101.16	12,085.69	1,804.38	1,353.86	450.52	4.005	
21,600.00	9,360.00	20,714.65	8,418.00	256.17	257.18	-58.592	1,101.37	12,156.32	1,804.38	1,351.30	453.07	3.983	
21,629.37	9,360.00	20,744.02	8,418.00	256.78	257.78	-58.592	1,101.46	12,185.69	1,804.38	1,350.24	454.14	3.973	
21,700.00	9,360.00	20,814.65	8,418.00	258.24	259.24	-58.592	1,101.66	12,256.32	1,804.38	1,347.69	456.69	3.951	
21,729.37	9,360.00	20,844.02	8,418.00	258.84	259.84	-58.592	1,101.75	12,285.69	1,804.38	1,346.63	457.75	3.942	
21,800.00	9,360.00	20,914.65	8,418.00	260.30	261.30	-58.592	1,101.95	12,356.32	1,804.38	1,344.08	460.30	3.920	
21,829.37	9,360.00	20,944.02	8,418.00	260.91	261.90	-58.592	1,102.04	12,385.69	1,804.38	1,343.01	461.36	3.911	
21,900.00	9,360.00	21,014.65	8,418.00	262.37	263.35	-58.592	1,102.25	12,456.32	1,804.38	1,340.46	463.92	3.889	
21,929.37	9,360.00	21,044.02	8,418.00	262.97	263.96	-58.592	1,102.33	12,485.69	1,804.38	1,339.40	464.98	3.881	
22,000.00	9,360.00	21,114.65	8,418.00	264.43	265.41	-58.592	1,102.54	12,556.32	1,804.38	1,336.85	467.53	3.859	
22,029.37	9,360.00	21,144.02	8,418.00	265.04	266.02	-58.592	1,102.63	12,585.69	1,804.38	1,335.78	468.59	3.851	
22,100.00	9,360.00	21,214.65	8,418.00	266.49	267.47	-58.592	1,102.83	12,656.32	1,804.38	1,333.23	471.15	3.830	
22,129.37	9,360.00	21,244.02	8,418.00	267.10	268.08	-58.592	1,102.92	12,685.69	1,804.38	1,332.17	472.21	3.821	
22,200.00	9,360.00	21,314.65	8,418.00	268.56	269.53	-58.592	1,103.12	12,756.32	1,804.38	1,329.62	474.76	3.801	
22,229.37	9,360.00	21,344.02	8,418.00	269.16	270.13	-58.592	1,103.21	12,785.69	1,804.38	1,328.55	475.82	3.792	
22,300.00	9,360.00	21,414.65	8,418.00	270.62	271.59	-58.592	1,103.42	12,856.32	1,804.38	1,326.00	478.38	3.772	
22,329.37	9,360.00	21,444.02	8,418.00	271.23	272.19	-58.592	1,103.50	12,885.69	1,804.38	1,324.94	479.44	3.764	
22,400.00	9,360.00	21,514.65	8,418.00	272.68	273.65	-58.592	1,103.71	12,956.32	1,804.38	1,322.38	481.99	3.744	
22,429.37	9,360.00	21,544.02	8,418.00	273.29	274.25	-58.592	1,103.80	12,985.69	1,804.38	1,321.32	483.06	3.735	
22,500.00	9,360.00	21,614.65	8,418.00	274.75	275.71	-58.592	1,104.00	13,056.32	1,804.38	1,318.77	485.61	3.716	
22,529.37	9,360.00	21,644.02	8,418.00	275.36	276.31	-58.592	1,104.09	13,085.69	1,804.38	1,317.71	486.67	3.708	
22,600.00	9,360.00	21,714.65	8,418.00	276.81	277.77	-58.592	1,104.30	13,156.32	1,804.38	1,315.15	489.23	3.688	
22,629.37	9,360.00	21,744.02	8,418.00	277.42	278.37	-58.592	1,104.38	13,185.69	1,804.38	1,314.09	490.29	3.680	
22,700.00	9,360.00	21,814.65	8,418.00	278.88	279.83	-58.592	1,104.59	13,256.32	1,804.38	1,311.53	492.84	3.661	
22,729.37	9,360.00	21,844.02	8,418.00	279.48	280.43	-58.592	1,104.67	13,285.69	1,804.38	1,310.47	493.91	3.653	
22,765.75	9,360.00	21,880.41	8,418.00	280.23	281.18	-58.592	1,104.78	13,322.07	1,804.38	1,309.16	495.22	3.644	
22,771.47	9,360.00	21,880.45	8,418.00	280.35	281.18	-58.592	1,104.78	13,322.11	1,804.39	1,309.05	495.33	3.643 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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-69.670	92.18	-248.79	265.32				
100.00	100.00	98.32	98.32	0.79	0.77	-69.670	92.18	-248.79	265.32	263.76	1.56	170.283	
200.00	200.00	198.32	198.32	1.45	1.44	-69.670	92.18	-248.79	265.32	262.44	2.88	92.089	
300.00	300.00	298.32	298.32	1.89	1.88	-69.670	92.18	-248.79	265.32	261.54	3.78	70.266	
400.00	400.00	398.32	398.32	2.25	2.25	-69.670	92.18	-248.79	265.32	260.82	4.50	58.943	
500.00	500.00	498.32	498.32	2.57	2.56	-69.670	92.18	-248.79	265.32	260.19	5.13	51.718	
600.00	600.00	598.32	598.32	2.85	2.84	-69.670	92.18	-248.79	265.32	259.62	5.69	46.592	
700.00	700.00	698.32	698.32	3.11	3.10	-69.670	92.18	-248.79	265.32	259.11	6.21	42.711	
800.00	800.00	798.32	798.32	3.35	3.34	-69.670	92.18	-248.79	265.32	258.62	6.69	39.638	
900.00	900.00	898.32	898.32	3.58	3.57	-69.670	92.18	-248.79	265.32	258.17	7.15	37.126	
1,000.00	1,000.00	998.32	998.32	3.79	3.79	-69.670	92.18	-248.79	265.32	257.74	7.58	35.021	
1,100.00	1,100.00	1,098.32	1,098.32	3.99	3.99	-69.670	92.18	-248.79	265.32	257.33	7.99	33.225	
1,200.00	1,200.00	1,198.32	1,198.32	4.19	4.19	-69.670	92.18	-248.79	265.32	256.94	8.38	31.667	
1,300.00	1,300.00	1,298.32	1,298.32	4.38	4.38	-69.670	92.18	-248.79	265.32	256.56	8.76	30.299	
1,400.00	1,400.00	1,398.32	1,398.32	4.56	4.56	-69.670	92.18	-248.79	265.32	256.20	9.12	29.085	
1,500.00	1,500.00	1,498.32	1,498.32	4.74	4.74	-69.670	92.18	-248.79	265.32	255.84	9.48	27.998	
1,600.00	1,600.00	1,598.32	1,598.32	4.91	4.91	-69.670	92.18	-248.79	265.32	255.50	9.82	27.017	
1,700.00	1,700.00	1,698.32	1,698.32	5.08	5.08	-69.670	92.18	-248.79	265.32	255.16	10.16	26.125	
1,800.00	1,800.00	1,798.32	1,798.32	5.24	5.24	-69.670	92.18	-248.79	265.32	254.84	10.48	25.311	
1,900.00	1,900.00	1,898.32	1,898.32	5.40	5.40	-69.670	92.18	-248.79	265.32	254.52	10.80	24.562	
2,000.00	2,000.00	1,998.32	1,998.32	5.56	5.56	-69.670	92.18	-248.79	265.32	254.20	11.11	23.871	
2,100.00	2,100.00	2,100.76	2,100.74	5.71	5.78	-70.039	90.41	-248.94	264.86	253.46	11.41	23.221	
2,200.00	2,200.00	2,202.99	2,202.82	5.86	5.99	-71.177	85.02	-249.40	263.54	251.87	11.66	22.592	
2,300.00	2,300.00	2,304.09	2,303.53	6.01	6.10	-73.041	76.29	-250.15	261.58	249.72	11.86	22.058	
2,400.00	2,400.00	2,403.63	2,402.63	6.16	6.27	-75.082	66.86	-250.96	259.75	247.64	12.11	21.448	
2,500.00	2,500.00	2,503.18	2,501.73	6.30	6.45	-77.150	57.43	-251.77	258.26	245.91	12.36	20.901	
2,600.00	2,599.98	2,602.86	2,600.95	6.49	6.65	69.650	47.99	-252.58	256.50	243.92	12.59	20.380	
2,700.00	2,699.84	2,702.71	2,700.35	6.68	6.87	68.676	38.54	-253.40	253.69	240.90	12.80	19.827	
2,800.00	2,799.45	2,802.61	2,799.80	6.88	7.11	68.442	29.08	-254.21	249.65	236.64	13.01	19.191	
2,900.00	2,898.74	2,902.46	2,899.20	6.98	7.36	68.867	19.62	-255.02	244.46	231.30	13.15	18.583	
3,000.00	2,997.97	3,002.29	2,998.58	7.15	7.62	69.384	10.17	-255.83	239.07	225.70	13.37	17.883	
3,100.00	3,097.19	3,102.12	3,097.96	7.34	7.89	69.924	0.72	-256.64	233.70	220.12	13.59	17.200	
3,200.00	3,196.41	3,201.96	3,197.34	7.55	8.17	70.490	-8.74	-257.46	228.36	214.55	13.81	16.534	
3,300.00	3,295.63	3,301.79	3,296.72	7.77	8.46	71.083	-18.19	-258.27	223.04	209.00	14.04	15.886	
3,400.00	3,394.86	3,401.62	3,396.10	8.02	8.76	71.705	-27.64	-259.08	217.74	203.47	14.27	15.256	
3,500.00	3,494.08	3,501.45	3,495.47	8.27	9.07	72.357	-37.10	-259.89	212.47	197.96	14.51	14.643	
3,600.00	3,593.30	3,601.28	3,594.85	8.55	9.38	73.043	-46.55	-260.70	207.23	192.48	14.75	14.049	
3,700.00	3,692.52	3,701.11	3,694.23	8.83	9.70	73.764	-56.00	-261.51	202.02	187.02	15.00	13.471	
3,800.00	3,791.75	3,800.94	3,793.61	9.12	10.03	74.523	-65.46	-262.33	196.84	181.60	15.25	12.911	
3,900.00	3,890.97	3,900.77	3,892.99	9.42	10.36	75.323	-74.91	-263.14	191.71	176.20	15.50	12.368	
4,000.00	3,990.19	4,000.60	3,992.37	9.74	10.69	76.167	-84.36	-263.95	186.60	170.84	15.76	11.841	
4,100.00	4,089.41	4,100.43	4,091.75	10.06	11.03	77.059	-93.82	-264.76	181.55	165.52	16.03	11.329	
4,200.00	4,188.64	4,200.27	4,191.13	10.38	11.37	78.000	-103.27	-265.57	176.54	160.24	16.30	10.832	
4,300.00	4,287.86	4,300.10	4,290.51	10.72	11.72	78.997	-112.72	-266.38	171.57	155.00	16.58	10.350	
4,400.00	4,387.08	4,399.93	4,389.89	11.06	12.07	80.053	-122.18	-267.20	166.67	149.80	16.87	9.882	
4,500.00	4,486.30	4,499.76	4,489.27	11.40	12.42	81.172	-131.63	-268.01	161.82	144.65	17.17	9.426	
4,600.00	4,585.53	4,599.59	4,588.64	11.75	12.77	82.359	-141.08	-268.82	157.04	139.56	17.48	8.983	
4,700.00	4,684.75	4,699.42	4,688.02	12.11	13.13	83.621	-150.54	-269.63	152.33	134.52	17.81	8.552	
4,800.00	4,783.97	4,799.25	4,787.40	12.47	13.49	84.962	-159.99	-270.44	147.70	129.54	18.16	8.133	
4,900.00	4,883.19	4,899.08	4,886.78	12.83	13.85	86.389	-169.44	-271.25	143.16	124.62	18.53	7.724	
5,000.00	4,982.42	4,998.91	4,986.16	13.20	14.21	87.909	-178.90	-272.07	138.71	119.77	18.94	7.325	
5,100.00	5,081.64	5,098.75	5,085.54	13.57	14.57	89.528	-188.35	-272.88	134.36	114.99	19.37	6.937	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,200.00	5,180.86	5,198.58	5,184.92	13.94	14.94	91.253	-197.80	-273.69	130.13	110.29	19.84	6.558	
5,300.00	5,280.08	5,298.41	5,284.30	14.32	15.31	93.093	-207.26	-274.50	126.02	105.66	20.36	6.189	
5,400.00	5,379.31	5,398.24	5,383.68	14.70	15.68	95.054	-216.71	-275.31	122.06	101.12	20.93	5.831	
5,500.00	5,478.53	5,498.07	5,483.06	15.08	16.05	97.144	-226.16	-276.13	118.24	96.67	21.57	5.483	
5,600.00	5,577.75	5,597.90	5,582.44	15.46	16.42	99.370	-235.62	-276.94	114.59	92.32	22.27	5.146	
5,700.00	5,676.97	5,697.73	5,681.82	15.85	16.79	101.738	-245.07	-277.75	111.13	88.08	23.05	4.821	
5,800.00	5,776.20	5,797.56	5,781.19	16.23	17.16	104.253	-254.52	-278.56	107.87	83.95	23.92	4.510	
5,900.00	5,875.42	5,897.39	5,880.57	16.62	17.54	106.919	-263.98	-279.37	104.83	79.96	24.87	4.215	
6,000.00	5,974.64	5,997.22	5,979.95	17.01	17.91	109.738	-273.43	-280.18	102.03	76.10	25.93	3.935	
6,100.00	6,073.86	6,097.06	6,079.33	17.40	18.29	112.707	-282.88	-281.00	99.49	72.41	27.08	3.674	
6,200.00	6,173.09	6,196.89	6,178.71	17.80	18.67	115.823	-292.34	-281.81	97.23	68.91	28.32	3.433	
6,300.00	6,272.31	6,296.72	6,278.09	18.19	19.04	119.076	-301.79	-282.62	95.28	65.63	29.65	3.213	
6,400.00	6,371.53	6,396.55	6,377.47	18.59	19.42	122.454	-311.25	-283.43	93.64	62.58	31.06	3.015	
6,500.00	6,470.75	6,496.38	6,476.85	18.98	19.80	125.938	-320.70	-284.24	92.34	59.82	32.52	2.839	
6,600.00	6,569.98	6,596.21	6,576.23	19.38	20.18	129.508	-330.15	-285.05	91.40	57.37	34.02	2.686	
6,700.00	6,669.20	6,696.04	6,675.61	19.78	20.56	133.139	-339.61	-285.87	90.81	55.27	35.54	2.555	
6,800.00	6,768.42	6,795.87	6,774.99	20.18	20.94	136.801	-349.06	-286.68	90.60	53.55	37.05	2.446	
6,807.62	6,775.98	6,803.48	6,782.56	20.21	20.97	137.080	-349.78	-286.74	90.60	53.44	37.16	2.438	
6,900.00	6,867.64	6,895.70	6,874.37	20.58	21.32	140.465	-358.51	-287.49	90.76	52.24	38.52	2.356	
7,000.00	6,966.88	6,995.54	6,973.75	20.97	21.71	144.068	-367.97	-288.30	91.21	51.29	39.91	2.285	
7,100.00	7,066.38	7,095.43	7,073.19	21.38	22.09	146.767	-377.43	-289.11	89.94	48.82	41.12	2.187	
7,200.00	7,166.17	7,195.32	7,172.62	21.74	22.47	148.330	-386.88	-289.93	85.88	43.80	42.08	2.041	
7,300.00	7,266.12	7,293.87	7,270.76	22.05	22.83	148.777	-395.89	-290.70	79.24	36.46	42.77	1.852 Level 3	
7,400.00	7,366.12	7,391.11	7,367.80	22.10	23.19	-0.054	-402.01	-291.22	73.12	30.05	43.07	1.698 Level 3	
7,500.00	7,466.12	7,488.65	7,465.29	22.12	23.48	-0.255	-404.84	-291.47	70.22	26.94	43.28	1.622 Level 3	
7,551.73	7,517.85	7,539.53	7,516.17	22.14	23.54	-0.270	-405.05	-291.49	70.00	26.69	43.31	1.616 Level 3	
7,600.00	7,566.12	7,587.80	7,564.44	22.15	23.55	-0.270	-405.05	-291.49	70.00	26.66	43.34	1.615 Level 3	
7,700.00	7,666.12	7,687.80	7,664.44	22.18	23.57	-0.270	-405.05	-291.49	70.00	26.61	43.39	1.613 Level 3	
7,800.00	7,766.12	7,787.80	7,764.44	22.21	23.59	-0.270	-405.05	-291.49	70.00	26.55	43.45	1.611 Level 3	
7,892.58	7,858.70	7,880.38	7,857.02	22.24	23.62	-0.168	-405.05	-291.36	70.00	26.47	43.53	1.608 Level 3, CC	
7,900.00	7,866.12	7,887.80	7,864.44	22.24	23.62	0.004	-405.04	-291.16	70.00	26.44	43.56	1.607 Level 3	
7,900.16	7,866.29	7,887.96	7,864.60	22.24	23.62	0.003	-405.04	-291.15	70.00	26.44	43.56	1.607 Level 3, ES	
8,000.00	7,966.12	7,986.14	7,961.96	22.27	23.61	9.504	-405.01	-279.43	71.05	26.52	44.54	1.595 Level 3, SF	
8,100.00	8,066.12	8,077.97	8,049.97	22.30	23.59	28.187	-404.93	-253.58	80.85	37.70	43.15	1.874 Level 3	
8,200.00	8,166.12	8,159.83	8,124.07	22.33	23.59	45.801	-404.83	-218.95	108.50	70.45	38.05	2.851	
8,300.00	8,266.12	8,230.50	8,183.51	22.36	23.61	57.487	-404.72	-180.82	153.84	120.26	33.59	4.580	
8,400.00	8,366.12	8,290.39	8,229.90	22.39	23.64	64.576	-404.61	-142.98	212.17	181.00	31.18	6.806	
8,500.00	8,466.12	8,340.77	8,265.69	22.43	23.69	68.984	-404.51	-107.55	279.62	249.58	30.05	9.306	
8,600.00	8,566.12	8,383.11	8,293.26	22.46	23.76	71.871	-404.41	-75.43	353.64	324.00	29.65	11.929	
8,700.00	8,666.12	8,418.83	8,314.63	22.49	23.83	73.859	-404.33	-46.81	432.52	402.92	29.60	14.612	
8,800.00	8,766.12	8,450.00	8,331.78	22.52	23.89	75.327	-404.25	-20.79	515.07	485.33	29.75	17.315	
8,900.00	8,865.87	8,477.34	8,345.65	22.43	23.98	-11.085	-404.19	2.77	597.60	567.64	29.96	19.945	
9,000.00	8,963.22	8,500.00	8,356.28	22.26	24.04	-8.678	-404.13	22.78	673.25	643.01	30.24	22.264	
9,100.00	9,055.22	8,550.00	8,376.88	22.07	24.23	-6.933	-403.99	68.32	740.71	710.11	30.59	24.212	
9,200.00	9,139.06	8,575.65	8,385.88	21.91	24.35	-5.973	-403.92	92.34	799.20	768.19	31.01	25.775	
9,300.00	9,212.22	8,600.00	8,393.43	21.82	24.46	-5.315	-403.86	115.49	848.57	817.09	31.48	26.959	
9,400.00	9,272.45	8,650.00	8,405.81	21.85	24.73	-4.809	-403.71	163.91	887.65	855.65	32.00	27.738	
9,500.00	9,317.93	8,700.00	8,413.92	22.05	25.04	-4.490	-403.57	213.23	916.92	884.35	32.57	28.152	
9,600.00	9,347.29	8,722.72	8,416.18	22.46	25.20	-4.331	-403.50	235.83	935.01	901.86	33.15	28.202	
9,619.85	9,351.11	8,730.21	8,416.73	22.58	25.26	-4.308	-403.48	243.31	937.39	904.12	33.27	28.172	
9,700.00	9,359.62	8,760.53	8,417.95	23.09	25.48	-4.260	-403.39	273.60	942.68	908.94	33.74	27.936	
9,800.00	9,360.00	8,847.61	8,418.00	23.90	26.21	-4.257	-403.14	360.67	942.92	908.69	34.23	27.546	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1											Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1											Offset Well Error: 0.00 usft	
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	
9,828.70	9,360.00	8,876.31	8,418.00	24.17	26.47	-4.257	-403.05	389.38	942.92	908.54	34.39	27.422
9,900.00	9,360.00	8,947.61	8,418.00	24.86	27.16	-4.257	-402.85	460.67	942.92	908.13	34.79	27.104
9,929.37	9,360.00	8,976.97	8,418.00	25.18	27.46	-4.257	-402.76	490.04	942.92	907.95	34.97	26.966
10,000.00	9,360.00	9,047.61	8,418.00	25.96	28.24	-4.257	-402.55	560.67	942.92	907.51	35.41	26.628
10,029.37	9,360.00	9,076.97	8,418.00	26.31	28.57	-4.257	-402.47	590.04	942.92	907.31	35.61	26.481
10,100.00	9,360.00	9,147.61	8,418.00	27.17	29.42	-4.257	-402.26	660.67	942.92	906.83	36.09	26.124
10,129.37	9,360.00	9,176.97	8,418.00	27.56	29.78	-4.257	-402.18	690.04	942.92	906.61	36.31	25.971
10,200.00	9,360.00	9,247.61	8,418.00	28.49	30.69	-4.257	-401.97	760.67	942.92	906.09	36.83	25.600
10,229.37	9,360.00	9,276.97	8,418.00	28.91	31.08	-4.257	-401.88	790.04	942.92	905.86	37.06	25.441
10,300.00	9,360.00	9,347.61	8,418.00	29.90	32.05	-4.257	-401.68	860.67	942.92	905.30	37.63	25.060
10,329.37	9,360.00	9,376.97	8,418.00	30.34	32.46	-4.257	-401.59	890.04	942.92	905.05	37.87	24.899
10,400.00	9,360.00	9,447.61	8,418.00	31.39	33.48	-4.257	-401.38	960.67	942.92	904.45	38.47	24.511
10,429.37	9,360.00	9,476.97	8,418.00	31.85	33.91	-4.257	-401.30	990.04	942.92	904.19	38.73	24.347
10,500.00	9,360.00	9,547.61	8,418.00	32.95	34.98	-4.257	-401.09	1,060.67	942.92	903.56	39.36	23.957
10,529.37	9,360.00	9,576.97	8,418.00	33.42	35.42	-4.257	-401.01	1,090.04	942.92	903.29	39.63	23.793
10,600.00	9,360.00	9,647.61	8,418.00	34.56	36.53	-4.257	-400.80	1,160.67	942.92	902.63	40.29	23.401
10,629.37	9,360.00	9,676.97	8,418.00	35.05	36.99	-4.257	-400.71	1,190.04	942.92	902.35	40.58	23.238
10,700.00	9,360.00	9,747.61	8,418.00	36.22	38.13	-4.257	-400.51	1,260.67	942.92	901.65	41.27	22.849
10,729.37	9,360.00	9,776.97	8,418.00	36.72	38.61	-4.257	-400.42	1,290.04	942.92	901.36	41.56	22.687
10,800.00	9,360.00	9,847.61	8,418.00	37.93	39.77	-4.257	-400.21	1,360.67	942.92	900.64	42.28	22.302
10,829.37	9,360.00	9,876.97	8,418.00	38.44	40.26	-4.257	-400.13	1,390.04	942.92	900.34	42.59	22.142
10,900.00	9,360.00	9,947.61	8,418.00	39.67	41.46	-4.257	-399.92	1,460.67	942.92	899.59	43.33	21.763
10,929.37	9,360.00	9,976.97	8,418.00	40.19	41.96	-4.257	-399.84	1,490.04	942.92	899.28	43.64	21.605
11,000.00	9,360.00	10,047.61	8,418.00	41.44	43.17	-4.257	-399.63	1,560.67	942.92	898.51	44.41	21.233
11,029.37	9,360.00	10,076.97	8,418.00	41.97	43.68	-4.257	-399.54	1,590.04	942.92	898.19	44.73	21.079
11,100.00	9,360.00	10,147.61	8,418.00	43.24	44.92	-4.257	-399.34	1,660.67	942.92	897.40	45.52	20.715
11,129.37	9,360.00	10,176.97	8,418.00	43.77	45.44	-4.257	-399.25	1,690.04	942.92	897.07	45.85	20.565
11,200.00	9,360.00	10,247.61	8,418.00	45.06	46.69	-4.257	-399.04	1,760.67	942.92	896.26	46.66	20.209
11,229.37	9,360.00	10,276.97	8,418.00	45.60	47.22	-4.257	-398.96	1,790.04	942.92	895.92	47.00	20.063
11,300.00	9,360.00	10,347.61	8,418.00	46.91	48.49	-4.257	-398.75	1,860.67	942.92	895.10	47.82	19.717
11,329.37	9,360.00	10,376.97	8,418.00	47.45	49.02	-4.257	-398.67	1,890.04	942.92	894.75	48.17	19.575
11,400.00	9,360.00	10,447.61	8,418.00	48.77	50.31	-4.257	-398.46	1,960.67	942.92	893.91	49.01	19.238
11,429.37	9,360.00	10,476.97	8,418.00	49.32	50.85	-4.257	-398.37	1,990.04	942.92	893.55	49.37	19.100
11,500.00	9,360.00	10,547.61	8,418.00	50.65	52.14	-4.257	-398.17	2,060.67	942.92	892.70	50.22	18.774
11,529.37	9,360.00	10,576.97	8,418.00	51.21	52.69	-4.257	-398.08	2,090.04	942.92	892.34	50.59	18.640
11,600.00	9,360.00	10,647.61	8,418.00	52.55	54.00	-4.257	-397.87	2,160.67	942.92	891.46	51.46	18.324
11,629.37	9,360.00	10,676.97	8,418.00	53.11	54.54	-4.257	-397.79	2,190.03	942.92	891.10	51.82	18.195
11,700.00	9,360.00	10,747.61	8,418.00	54.45	55.87	-4.257	-397.58	2,260.67	942.92	890.21	52.71	17.889
11,729.37	9,360.00	10,776.97	8,418.00	55.02	56.42	-4.257	-397.50	2,290.03	942.92	889.84	53.08	17.763
11,800.00	9,360.00	10,847.61	8,418.00	56.37	57.75	-4.257	-397.29	2,360.67	942.92	888.94	53.98	17.468
11,829.37	9,360.00	10,876.97	8,418.00	56.94	58.30	-4.257	-397.20	2,390.03	942.92	888.56	54.36	17.347
11,900.00	9,360.00	10,947.61	8,418.00	58.30	59.64	-4.257	-397.00	2,460.67	942.92	887.65	55.27	17.061
11,929.37	9,360.00	10,976.97	8,418.00	58.87	60.20	-4.257	-396.91	2,490.03	942.92	887.27	55.65	16.944
12,000.00	9,360.00	11,047.61	8,418.00	60.24	61.55	-4.257	-396.70	2,560.67	942.92	886.35	56.57	16.668
12,029.37	9,360.00	11,076.97	8,418.00	60.82	62.11	-4.257	-396.62	2,590.03	942.92	885.96	56.96	16.555
12,100.00	9,360.00	11,147.61	8,418.00	62.19	63.47	-4.257	-396.41	2,660.67	942.92	885.03	57.89	16.288
12,129.37	9,360.00	11,176.97	8,418.00	62.77	64.03	-4.257	-396.33	2,690.03	942.92	884.64	58.28	16.179
12,200.00	9,360.00	11,247.61	8,418.00	64.15	65.39	-4.257	-396.12	2,760.66	942.92	883.70	59.22	15.922
12,229.37	9,360.00	11,276.97	8,418.00	64.73	65.96	-4.257	-396.03	2,790.03	942.92	883.31	59.62	15.817
12,300.00	9,360.00	11,347.61	8,418.00	66.11	67.33	-4.257	-395.83	2,860.66	942.92	882.36	60.57	15.568
12,329.37	9,360.00	11,376.97	8,418.00	66.69	67.90	-4.257	-395.74	2,890.03	942.92	881.96	60.96	15.467
12,400.00	9,360.00	11,447.61	8,418.00	68.08	69.27	-4.257	-395.53	2,960.66	942.92	881.00	61.92	15.227

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1												Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1						Rule Assigned:				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)		Minimum Separation (usft)	Separation Factor
12,429.37	9,360.00	11,476.97	8,418.00	68.66	69.84	-4.257	-395.45	2,990.03	942.92	880.60	62.32	15.129	
12,500.00	9,360.00	11,547.61	8,418.00	70.06	71.22	-4.257	-395.24	3,060.66	942.92	879.63	63.29	14.898	
12,529.37	9,360.00	11,576.97	8,418.00	70.64	71.79	-4.257	-395.16	3,090.03	942.92	879.23	63.69	14.804	
12,600.00	9,360.00	11,647.61	8,418.00	72.04	73.17	-4.257	-394.95	3,160.66	942.92	878.25	64.67	14.581	
12,629.37	9,360.00	11,676.97	8,418.00	72.62	73.75	-4.257	-394.86	3,190.03	942.92	877.85	65.08	14.490	
12,700.00	9,360.00	11,747.61	8,418.00	74.02	75.14	-4.257	-394.66	3,260.66	942.92	876.86	66.06	14.274	
12,729.37	9,360.00	11,776.97	8,418.00	74.61	75.71	-4.257	-394.57	3,290.03	942.92	876.45	66.47	14.186	
12,800.00	9,360.00	11,847.61	8,418.00	76.01	77.10	-4.257	-394.36	3,360.66	942.92	875.47	67.45	13.979	
12,829.37	9,360.00	11,876.97	8,418.00	76.60	77.68	-4.257	-394.28	3,390.03	942.92	875.05	67.87	13.894	
12,900.00	9,360.00	11,947.61	8,418.00	78.01	79.08	-4.257	-394.07	3,460.66	942.92	874.06	68.86	13.693	
12,929.37	9,360.00	11,976.97	8,418.00	78.60	79.66	-4.257	-393.99	3,490.03	942.92	873.65	69.28	13.611	
13,000.00	9,360.00	12,047.61	8,418.00	80.01	81.06	-4.257	-393.78	3,560.66	942.92	872.65	70.27	13.418	
13,029.37	9,360.00	12,076.97	8,418.00	80.60	81.64	-4.257	-393.69	3,590.03	942.92	872.23	70.69	13.338	
13,100.00	9,360.00	12,147.61	8,418.00	82.01	83.04	-4.257	-393.49	3,660.66	942.92	871.23	71.70	13.152	
13,129.37	9,360.00	12,176.97	8,418.00	82.60	83.62	-4.257	-393.40	3,690.03	942.92	870.81	72.12	13.075	
13,200.00	9,360.00	12,247.61	8,418.00	84.02	85.02	-4.257	-393.19	3,760.66	942.92	869.80	73.13	12.895	
13,229.37	9,360.00	12,276.97	8,418.00	84.60	85.61	-4.257	-393.11	3,790.03	942.92	869.37	73.55	12.821	
13,300.00	9,360.00	12,347.61	8,418.00	86.02	87.01	-4.257	-392.90	3,860.66	942.92	868.36	74.56	12.646	
13,329.37	9,360.00	12,376.97	8,418.00	86.61	87.60	-4.257	-392.82	3,890.03	942.92	867.94	74.98	12.575	
13,400.00	9,360.00	12,447.61	8,418.00	88.04	89.01	-4.257	-392.61	3,960.66	942.92	866.92	76.00	12.406	
13,429.37	9,360.00	12,476.97	8,418.00	88.63	89.59	-4.257	-392.52	3,990.03	942.92	866.49	76.43	12.337	
13,500.00	9,360.00	12,547.61	8,418.00	90.05	91.01	-4.257	-392.32	4,060.66	942.92	865.47	77.45	12.174	
13,529.37	9,360.00	12,576.97	8,418.00	90.64	91.59	-4.257	-392.23	4,090.03	942.92	865.04	77.88	12.108	
13,600.00	9,360.00	12,647.61	8,418.00	92.07	93.01	-4.257	-392.02	4,160.66	942.92	864.02	78.91	11.950	
13,629.37	9,360.00	12,676.97	8,418.00	92.66	93.59	-4.257	-391.94	4,190.03	942.92	863.59	79.33	11.885	
13,700.00	9,360.00	12,747.61	8,418.00	94.08	95.01	-4.257	-391.73	4,260.66	942.92	862.56	80.37	11.733	
13,729.37	9,360.00	12,776.97	8,418.00	94.68	95.60	-4.257	-391.65	4,290.03	942.92	862.13	80.80	11.670	
13,800.00	9,360.00	12,847.61	8,418.00	96.11	97.02	-4.257	-391.44	4,360.66	942.92	861.09	81.83	11.523	
13,829.37	9,360.00	12,876.97	8,418.00	96.70	97.61	-4.257	-391.35	4,390.03	942.92	860.66	82.26	11.462	
13,900.00	9,360.00	12,947.61	8,418.00	98.13	99.02	-4.257	-391.15	4,460.66	942.92	859.62	83.30	11.320	
13,929.37	9,360.00	12,976.97	8,418.00	98.72	99.62	-4.257	-391.06	4,490.02	942.92	859.19	83.73	11.261	
14,000.00	9,360.00	13,047.61	8,418.00	100.15	101.04	-4.257	-390.85	4,560.66	942.92	858.15	84.77	11.123	
14,029.37	9,360.00	13,076.97	8,418.00	100.75	101.63	-4.257	-390.77	4,590.02	942.92	857.71	85.21	11.066	
14,100.00	9,360.00	13,147.61	8,418.00	102.18	103.05	-4.257	-390.56	4,660.66	942.92	856.67	86.25	10.932	
14,129.37	9,360.00	13,176.97	8,418.00	102.78	103.64	-4.257	-390.48	4,690.02	942.92	856.23	86.69	10.877	
14,200.00	9,360.00	13,247.61	8,418.00	104.21	105.07	-4.257	-390.27	4,760.66	942.92	855.19	87.74	10.747	
14,229.37	9,360.00	13,276.97	8,418.00	104.81	105.66	-4.257	-390.18	4,790.02	942.92	854.75	88.17	10.694	
14,300.00	9,360.00	13,347.61	8,418.00	106.24	107.08	-4.257	-389.98	4,860.66	942.92	853.70	89.22	10.568	
14,329.37	9,360.00	13,376.97	8,418.00	106.84	107.68	-4.257	-389.89	4,890.02	942.92	853.26	89.66	10.517	
14,400.00	9,360.00	13,447.61	8,418.00	108.27	109.10	-4.257	-389.68	4,960.66	942.92	852.21	90.71	10.395	
14,429.37	9,360.00	13,476.97	8,418.00	108.87	109.70	-4.257	-389.60	4,990.02	942.92	851.77	91.15	10.345	
14,500.00	9,360.00	13,547.61	8,418.00	110.30	111.13	-4.257	-389.39	5,060.65	942.92	850.72	92.21	10.226	
14,529.37	9,360.00	13,576.97	8,418.00	110.90	111.72	-4.257	-389.31	5,090.02	942.92	850.28	92.65	10.178	
14,600.00	9,360.00	13,647.61	8,418.00	112.34	113.15	-4.257	-389.10	5,160.65	942.92	849.22	93.70	10.063	
14,629.37	9,360.00	13,676.97	8,418.00	112.94	113.74	-4.257	-389.01	5,190.02	942.92	848.78	94.14	10.016	
14,700.00	9,360.00	13,747.61	8,418.00	114.38	115.17	-4.257	-388.81	5,260.65	942.92	847.72	95.20	9.904	
14,729.37	9,360.00	13,776.97	8,418.00	114.97	115.77	-4.257	-388.72	5,290.02	942.92	847.28	95.65	9.858	
14,800.00	9,360.00	13,847.61	8,418.00	116.41	117.20	-4.257	-388.51	5,360.65	942.92	846.21	96.71	9.750	
14,829.37	9,360.00	13,876.97	8,418.00	117.01	117.80	-4.257	-388.43	5,390.02	942.92	845.77	97.15	9.706	
14,900.00	9,360.00	13,947.61	8,418.00	118.45	119.23	-4.257	-388.22	5,460.65	942.92	844.71	98.21	9.601	
14,929.37	9,360.00	13,976.97	8,418.00	119.05	119.82	-4.257	-388.14	5,490.02	942.92	844.26	98.66	9.558	
15,000.00	9,360.00	14,047.61	8,418.00	120.49	121.26	-4.257	-387.93	5,560.65	942.92	843.20	99.72	9.455	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
15,029.37	9,360.00	14,076.97	8,418.00	121.09	121.85	-4.257	-387.84	5,590.02	942.92	842.75	100.17	9.413	
15,100.00	9,360.00	14,147.61	8,418.00	122.53	123.29	-4.257	-387.64	5,660.65	942.92	841.69	101.24	9.314	
15,129.37	9,360.00	14,176.97	8,418.00	123.13	123.89	-4.257	-387.55	5,690.02	942.92	841.24	101.68	9.273	
15,200.00	9,360.00	14,247.61	8,418.00	124.57	125.32	-4.257	-387.34	5,760.65	942.92	840.17	102.75	9.177	
15,229.37	9,360.00	14,276.97	8,418.00	125.17	125.92	-4.257	-387.26	5,790.02	942.92	839.73	103.20	9.137	
15,300.00	9,360.00	14,347.61	8,418.00	126.61	127.36	-4.257	-387.05	5,860.65	942.92	838.65	104.27	9.043	
15,329.37	9,360.00	14,376.97	8,418.00	127.21	127.95	-4.257	-386.97	5,890.02	942.92	838.21	104.71	9.005	
15,400.00	9,360.00	14,447.61	8,418.00	128.66	129.39	-4.257	-386.76	5,960.65	942.92	837.13	105.79	8.913	
15,429.37	9,360.00	14,476.97	8,418.00	129.26	129.99	-4.257	-386.67	5,990.02	942.92	836.69	106.23	8.876	
15,500.00	9,360.00	14,547.61	8,418.00	130.70	131.43	-4.257	-386.47	6,060.65	942.92	835.61	107.31	8.787	
15,529.37	9,360.00	14,576.97	8,418.00	131.30	132.02	-4.257	-386.38	6,090.02	942.92	835.17	107.76	8.750	
15,600.00	9,360.00	14,647.61	8,418.00	132.75	133.46	-4.257	-386.17	6,160.65	942.92	834.09	108.83	8.664	
15,629.37	9,360.00	14,676.97	8,418.00	133.35	134.06	-4.257	-386.09	6,190.02	942.92	833.64	109.28	8.628	
15,700.00	9,360.00	14,747.61	8,418.00	134.79	135.50	-4.257	-385.88	6,260.65	942.92	832.56	110.36	8.544	
15,729.37	9,360.00	14,776.97	8,418.00	135.39	136.10	-4.257	-385.80	6,290.02	942.92	832.11	110.81	8.510	
15,800.00	9,360.00	14,847.61	8,418.00	136.84	137.54	-4.257	-385.59	6,360.65	942.92	831.03	111.89	8.427	
15,829.37	9,360.00	14,876.97	8,418.00	137.44	138.14	-4.257	-385.50	6,390.02	942.92	830.59	112.34	8.394	
15,900.00	9,360.00	14,947.61	8,418.00	138.88	139.58	-4.257	-385.30	6,460.65	942.92	829.50	113.42	8.314	
15,929.37	9,360.00	14,976.97	8,418.00	139.49	140.18	-4.257	-385.21	6,490.02	942.92	829.06	113.87	8.281	
16,000.00	9,360.00	15,047.61	8,418.00	140.93	141.62	-4.257	-385.00	6,560.65	942.92	827.97	114.95	8.203	
16,029.37	9,360.00	15,076.97	8,418.00	141.53	142.22	-4.257	-384.92	6,590.02	942.92	827.52	115.40	8.171	
16,100.00	9,360.00	15,147.61	8,418.00	142.98	143.66	-4.257	-384.71	6,660.65	942.92	826.44	116.48	8.095	
16,129.37	9,360.00	15,176.97	8,418.00	143.58	144.26	-4.257	-384.63	6,690.02	942.92	825.99	116.93	8.064	
16,200.00	9,360.00	15,247.61	8,418.00	145.03	145.70	-4.257	-384.42	6,760.65	942.92	824.90	118.02	7.990	
16,229.37	9,360.00	15,276.97	8,418.00	145.63	146.30	-4.257	-384.33	6,790.02	942.92	824.45	118.47	7.959	
16,300.00	9,360.00	15,347.61	8,418.00	147.08	147.75	-4.257	-384.13	6,860.65	942.92	823.37	119.55	7.887	
16,329.37	9,360.00	15,376.97	8,418.00	147.68	148.35	-4.257	-384.04	6,890.01	942.92	822.92	120.01	7.857	
16,400.00	9,360.00	15,447.61	8,418.00	149.13	149.79	-4.257	-383.83	6,960.65	942.92	821.83	121.09	7.787	
16,429.37	9,360.00	15,476.97	8,418.00	149.73	150.39	-4.257	-383.75	6,990.01	942.92	821.38	121.54	7.758	
16,500.00	9,360.00	15,547.61	8,418.00	151.18	151.83	-4.257	-383.54	7,060.65	942.92	820.29	122.63	7.689	
16,529.37	9,360.00	15,576.97	8,418.00	151.78	152.43	-4.257	-383.46	7,090.01	942.92	819.84	123.08	7.661	
16,600.00	9,360.00	15,647.61	8,418.00	153.23	153.88	-4.257	-383.25	7,160.65	942.92	818.75	124.17	7.594	
16,629.37	9,360.00	15,676.97	8,418.00	153.83	154.48	-4.257	-383.16	7,190.01	942.92	818.30	124.63	7.566	
16,700.00	9,360.00	15,747.61	8,418.00	155.28	155.92	-4.257	-382.96	7,260.65	942.92	817.21	125.72	7.500	
16,729.37	9,360.00	15,776.97	8,418.00	155.88	156.52	-4.257	-382.87	7,290.01	942.92	816.75	126.17	7.473	
16,800.00	9,360.00	15,847.61	8,418.00	157.33	157.97	-4.257	-382.66	7,360.65	942.92	815.66	127.26	7.409	
16,829.37	9,360.00	15,876.97	8,418.00	157.94	158.57	-4.257	-382.58	7,390.01	942.92	815.21	127.71	7.383	
16,900.00	9,360.00	15,947.61	8,418.00	159.39	160.02	-4.257	-382.37	7,460.64	942.92	814.12	128.81	7.321	
16,929.37	9,360.00	15,976.97	8,418.00	159.99	160.62	-4.257	-382.29	7,490.01	942.92	813.66	129.26	7.295	
17,000.00	9,360.00	16,047.61	8,418.00	161.44	162.06	-4.257	-382.08	7,560.64	942.92	812.57	130.35	7.234	
17,029.37	9,360.00	16,076.97	8,418.00	162.04	162.67	-4.257	-381.99	7,590.01	942.92	812.11	130.81	7.209	
17,100.00	9,360.00	16,147.61	8,418.00	163.49	164.11	-4.257	-381.79	7,660.64	942.92	811.02	131.90	7.149	
17,129.37	9,360.00	16,176.97	8,418.00	164.10	164.71	-4.257	-381.70	7,690.01	942.92	810.57	132.35	7.124	
17,200.00	9,360.00	16,247.61	8,418.00	165.55	166.16	-4.257	-381.49	7,760.64	942.92	809.47	133.45	7.066	
17,229.37	9,360.00	16,276.97	8,418.00	166.15	166.76	-4.257	-381.41	7,790.01	942.92	809.02	133.90	7.042	
17,300.00	9,360.00	16,347.61	8,418.00	167.60	168.21	-4.257	-381.20	7,860.64	942.92	807.92	135.00	6.985	
17,329.37	9,360.00	16,376.97	8,418.00	168.21	168.81	-4.257	-381.12	7,890.01	942.92	807.47	135.45	6.961	
17,400.00	9,360.00	16,447.61	8,418.00	169.66	170.26	-4.257	-380.91	7,960.64	942.92	806.37	136.55	6.905	
17,429.37	9,360.00	16,476.97	8,418.00	170.26	170.86	-4.257	-380.82	7,990.01	942.92	805.92	137.01	6.882	
17,500.00	9,360.00	16,547.61	8,418.00	171.71	172.31	-4.257	-380.62	8,060.64	942.92	804.82	138.10	6.828	
17,529.37	9,360.00	16,576.97	8,418.00	172.32	172.91	-4.257	-380.53	8,090.01	942.92	804.36	138.56	6.805	
17,600.00	9,360.00	16,647.61	8,418.00	173.77	174.36	-4.257	-380.32	8,160.64	942.92	803.27	139.66	6.752	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1												Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1				Rule Assigned:								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)	Minimum Separation (usft)		Separation Factor
17,629.37	9,360.00	16,676.97	8,418.00	174.37	174.96	-4.257	-380.24	8,190.01	942.92	802.81	140.11	6.730	
17,700.00	9,360.00	16,747.61	8,418.00	175.82	176.41	-4.257	-380.03	8,260.64	942.92	801.71	141.21	6.677	
17,729.37	9,360.00	16,776.97	8,418.00	176.43	177.01	-4.257	-379.95	8,290.01	942.92	801.26	141.67	6.656	
17,800.00	9,360.00	16,847.61	8,418.00	177.88	178.46	-4.257	-379.74	8,360.64	942.92	800.16	142.76	6.605	
17,829.37	9,360.00	16,876.97	8,418.00	178.48	179.07	-4.257	-379.65	8,390.01	942.92	799.70	143.22	6.584	
17,900.00	9,360.00	16,947.61	8,418.00	179.93	180.52	-4.257	-379.45	8,460.64	942.92	798.60	144.32	6.534	
17,929.37	9,360.00	16,976.97	8,418.00	180.54	181.12	-4.257	-379.36	8,490.01	942.92	798.14	144.78	6.513	
18,000.00	9,360.00	17,047.61	8,418.00	181.99	182.57	-4.257	-379.15	8,560.64	942.92	797.04	145.88	6.464	
18,029.37	9,360.00	17,076.97	8,418.00	182.60	183.17	-4.257	-379.07	8,590.01	942.92	796.59	146.34	6.444	
18,100.00	9,360.00	17,147.61	8,418.00	184.05	184.62	-4.257	-378.86	8,660.64	942.92	795.49	147.44	6.395	
18,129.37	9,360.00	17,176.97	8,418.00	184.65	185.22	-4.257	-378.78	8,690.01	942.92	795.03	147.89	6.376	
18,200.00	9,360.00	17,247.61	8,418.00	186.11	186.67	-4.257	-378.57	8,760.64	942.92	793.93	148.99	6.329	
18,229.37	9,360.00	17,276.97	8,418.00	186.71	187.28	-4.257	-378.48	8,790.01	942.92	793.47	149.45	6.309	
18,300.00	9,360.00	17,347.61	8,418.00	188.16	188.73	-4.257	-378.28	8,860.64	942.92	792.37	150.55	6.263	
18,329.37	9,360.00	17,376.97	8,418.00	188.77	189.33	-4.257	-378.19	8,890.01	942.92	791.91	151.01	6.244	
18,400.00	9,360.00	17,447.61	8,418.00	190.22	190.78	-4.257	-377.98	8,960.64	942.92	790.81	152.11	6.199	
18,429.37	9,360.00	17,476.97	8,418.00	190.83	191.38	-4.257	-377.90	8,990.01	942.92	790.35	152.57	6.180	
18,500.00	9,360.00	17,547.61	8,418.00	192.28	192.84	-4.257	-377.69	9,060.64	942.92	789.25	153.68	6.136	
18,529.37	9,360.00	17,576.97	8,418.00	192.88	193.44	-4.257	-377.61	9,090.01	942.92	788.79	154.13	6.118	
18,600.00	9,360.00	17,647.61	8,418.00	194.34	194.89	-4.257	-377.40	9,160.64	942.92	787.68	155.24	6.074	
18,629.37	9,360.00	17,676.97	8,418.00	194.94	195.49	-4.257	-377.31	9,190.00	942.92	787.23	155.70	6.056	
18,700.00	9,360.00	17,747.61	8,418.00	196.40	196.94	-4.257	-377.11	9,260.64	942.92	786.12	156.80	6.014	
18,729.37	9,360.00	17,776.97	8,418.00	197.00	197.55	-4.257	-377.02	9,290.00	942.92	785.66	157.26	5.996	
18,800.00	9,360.00	17,847.61	8,418.00	198.46	199.00	-4.257	-376.82	9,360.64	942.92	784.56	158.36	5.954	
18,829.37	9,360.00	17,876.97	8,418.00	199.06	199.60	-4.257	-376.73	9,390.00	942.92	784.10	158.82	5.937	
18,900.00	9,360.00	17,947.61	8,418.00	200.51	201.06	-4.257	-376.52	9,460.64	942.92	783.00	159.93	5.896	
18,929.37	9,360.00	17,976.97	8,418.00	201.12	201.66	-4.257	-376.44	9,490.00	942.92	782.54	160.39	5.879	
19,000.00	9,360.00	18,047.61	8,418.00	202.57	203.11	-4.257	-376.23	9,560.64	942.92	781.43	161.49	5.839	
19,029.37	9,360.00	18,076.97	8,418.00	203.18	203.71	-4.257	-376.14	9,590.00	942.92	780.97	161.95	5.822	
19,100.00	9,360.00	18,147.61	8,418.00	204.63	205.17	-4.257	-375.94	9,660.64	942.92	779.87	163.06	5.783	
19,129.37	9,360.00	18,176.97	8,418.00	205.24	205.77	-4.257	-375.85	9,690.00	942.92	779.41	163.52	5.767	
19,200.00	9,360.00	18,247.61	8,418.00	206.69	207.22	-4.257	-375.65	9,760.63	942.92	778.30	164.62	5.728	
19,229.37	9,360.00	18,276.97	8,418.00	207.30	207.83	-4.257	-375.56	9,790.00	942.92	777.84	165.08	5.712	
19,300.00	9,360.00	18,347.61	8,418.00	208.75	209.28	-4.257	-375.35	9,860.63	942.92	776.73	166.19	5.674	
19,329.37	9,360.00	18,376.97	8,418.00	209.36	209.88	-4.257	-375.27	9,890.00	942.92	776.27	166.65	5.658	
19,400.00	9,360.00	18,447.61	8,418.00	210.81	211.34	-4.257	-375.06	9,960.63	942.92	775.17	167.75	5.621	
19,429.37	9,360.00	18,476.97	8,418.00	211.42	211.94	-4.257	-374.97	9,990.00	942.92	774.71	168.22	5.605	
19,500.00	9,360.00	18,547.61	8,418.00	212.87	213.39	-4.257	-374.77	10,060.63	942.92	773.60	169.32	5.569	
19,529.37	9,360.00	18,576.97	8,418.00	213.48	214.00	-4.257	-374.68	10,090.00	942.92	773.14	169.78	5.554	
19,600.00	9,360.00	18,647.61	8,418.00	214.93	215.45	-4.257	-374.48	10,160.63	942.92	772.03	170.89	5.518	
19,629.37	9,360.00	18,676.97	8,418.00	215.54	216.06	-4.257	-374.39	10,190.00	942.92	771.57	171.35	5.503	
19,700.00	9,360.00	18,747.61	8,418.00	216.99	217.51	-4.257	-374.18	10,260.63	942.92	770.46	172.46	5.468	
19,729.37	9,360.00	18,776.97	8,418.00	217.60	218.11	-4.257	-374.10	10,290.00	942.92	770.00	172.92	5.453	
19,800.00	9,360.00	18,847.61	8,418.00	219.05	219.57	-4.257	-373.89	10,360.63	942.92	768.89	174.03	5.418	
19,829.37	9,360.00	18,876.97	8,418.00	219.66	220.17	-4.257	-373.80	10,390.00	942.92	768.43	174.49	5.404	
19,900.00	9,360.00	18,947.61	8,418.00	221.12	221.62	-4.257	-373.60	10,460.63	942.92	767.32	175.60	5.370	
19,929.37	9,360.00	18,976.97	8,418.00	221.72	222.23	-4.257	-373.51	10,490.00	942.92	766.86	176.06	5.356	
20,000.00	9,360.00	19,047.61	8,418.00	223.18	223.68	-4.257	-373.31	10,560.63	942.92	765.75	177.17	5.322	
20,029.37	9,360.00	19,076.97	8,418.00	223.78	224.29	-4.257	-373.22	10,590.00	942.92	765.29	177.63	5.308	
20,100.00	9,360.00	19,147.61	8,418.00	225.24	225.74	-4.257	-373.01	10,660.63	942.92	764.18	178.74	5.275	
20,129.37	9,360.00	19,176.97	8,418.00	225.84	226.35	-4.257	-372.93	10,690.00	942.92	763.72	179.20	5.262	
20,200.00	9,360.00	19,247.61	8,418.00	227.30	227.80	-4.257	-372.72	10,760.63	942.92	762.61	180.31	5.229	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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)			
20,229.37	9,360.00	19,276.97	8,418.00	227.91	228.40	-4.257	-372.63	10,790.00	942.92	762.15	180.77	5.216	
20,300.00	9,360.00	19,347.61	8,418.00	229.36	229.86	-4.257	-372.43	10,860.63	942.92	761.04	181.88	5.184	
20,329.37	9,360.00	19,376.97	8,418.00	229.97	230.46	-4.257	-372.34	10,890.00	942.92	760.58	182.34	5.171	
20,400.00	9,360.00	19,447.61	8,418.00	231.42	231.92	-4.257	-372.14	10,960.63	942.92	759.47	183.45	5.140	
20,429.37	9,360.00	19,476.97	8,418.00	232.03	232.52	-4.257	-372.05	10,990.00	942.92	759.01	183.91	5.127	
20,500.00	9,360.00	19,547.61	8,418.00	233.49	233.98	-4.257	-371.84	11,060.63	942.92	757.90	185.03	5.096	
20,529.37	9,360.00	19,576.97	8,418.00	234.09	234.58	-4.257	-371.76	11,090.00	942.92	757.43	185.49	5.083	
20,600.00	9,360.00	19,647.61	8,418.00	235.55	236.04	-4.257	-371.55	11,160.63	942.92	756.32	186.60	5.053	
20,629.37	9,360.00	19,676.97	8,418.00	236.15	236.64	-4.257	-371.46	11,190.00	942.92	755.86	187.06	5.041	
20,700.00	9,360.00	19,747.61	8,418.00	237.61	238.10	-4.257	-371.26	11,260.63	942.92	754.75	188.17	5.011	
20,729.37	9,360.00	19,776.97	8,418.00	238.22	238.70	-4.257	-371.17	11,290.00	942.92	754.29	188.63	4.999	
20,800.00	9,360.00	19,847.61	8,418.00	239.67	240.16	-4.257	-370.97	11,360.63	942.92	753.18	189.74	4.969	
20,829.37	9,360.00	19,876.97	8,418.00	240.28	240.76	-4.257	-370.88	11,390.00	942.92	752.71	190.21	4.957	
20,900.00	9,360.00	19,947.61	8,418.00	241.73	242.22	-4.257	-370.67	11,460.63	942.92	751.60	191.32	4.929	
20,929.37	9,360.00	19,976.97	8,418.00	242.34	242.82	-4.257	-370.59	11,490.00	942.92	751.14	191.78	4.917	
21,000.00	9,360.00	20,047.61	8,418.00	243.80	244.28	-4.257	-370.38	11,560.63	942.92	750.03	192.89	4.888	
21,029.37	9,360.00	20,076.97	8,418.00	244.40	244.88	-4.257	-370.29	11,589.99	942.92	749.57	193.36	4.877	
21,100.00	9,360.00	20,147.61	8,418.00	245.86	246.34	-4.257	-370.09	11,660.63	942.92	748.45	194.47	4.849	
21,129.37	9,360.00	20,176.97	8,418.00	246.47	246.94	-4.257	-370.00	11,689.99	942.92	747.99	194.93	4.837	
21,200.00	9,360.00	20,247.61	8,418.00	247.92	248.40	-4.257	-369.80	11,760.63	942.92	746.88	196.04	4.810	
21,229.37	9,360.00	20,276.97	8,418.00	248.53	249.00	-4.257	-369.71	11,789.99	942.92	746.42	196.51	4.798	
21,300.00	9,360.00	20,347.61	8,418.00	249.99	250.46	-4.257	-369.50	11,860.63	942.92	745.30	197.62	4.771	
21,329.37	9,360.00	20,376.97	8,418.00	250.59	251.06	-4.257	-369.42	11,889.99	942.92	744.84	198.08	4.760	
21,400.00	9,360.00	20,447.61	8,418.00	252.05	252.52	-4.257	-369.21	11,960.63	942.92	743.73	199.19	4.734	
21,429.37	9,360.00	20,476.97	8,418.00	252.65	253.12	-4.257	-369.12	11,989.99	942.92	743.26	199.66	4.723	
21,500.00	9,360.00	20,547.61	8,418.00	254.11	254.58	-4.257	-368.92	12,060.63	942.92	742.15	200.77	4.697	
21,529.37	9,360.00	20,576.97	8,418.00	254.72	255.18	-4.257	-368.83	12,089.99	942.92	741.69	201.23	4.686	
21,600.00	9,360.00	20,647.61	8,418.00	256.17	256.64	-4.257	-368.63	12,160.62	942.92	740.57	202.35	4.660	
21,629.37	9,360.00	20,676.97	8,418.00	256.78	257.25	-4.257	-368.54	12,189.99	942.92	740.11	202.81	4.649	
21,700.00	9,360.00	20,747.61	8,418.00	258.24	258.70	-4.257	-368.33	12,260.62	942.92	739.00	203.92	4.624	
21,729.37	9,360.00	20,776.97	8,418.00	258.84	259.31	-4.257	-368.25	12,289.99	942.92	738.53	204.39	4.613	
21,800.00	9,360.00	20,847.61	8,418.00	260.30	260.76	-4.257	-368.04	12,360.62	942.92	737.42	205.50	4.588	
21,829.37	9,360.00	20,876.97	8,418.00	260.91	261.37	-4.257	-367.95	12,389.99	942.92	736.96	205.96	4.578	
21,900.00	9,360.00	20,947.61	8,418.00	262.37	262.82	-4.257	-367.75	12,460.62	942.92	735.84	207.08	4.553	
21,929.37	9,360.00	20,976.97	8,418.00	262.97	263.43	-4.257	-367.66	12,489.99	942.92	735.38	207.54	4.543	
22,000.00	9,360.00	21,047.61	8,418.00	264.43	264.89	-4.257	-367.46	12,560.62	942.92	734.27	208.66	4.519	
22,029.37	9,360.00	21,076.97	8,418.00	265.04	265.49	-4.257	-367.37	12,589.99	942.92	733.80	209.12	4.509	
22,100.00	9,360.00	21,147.61	8,418.00	266.49	266.95	-4.257	-367.16	12,660.62	942.92	732.69	210.23	4.485	
22,129.37	9,360.00	21,176.97	8,418.00	267.10	267.55	-4.257	-367.08	12,689.99	942.92	732.22	210.70	4.475	
22,200.00	9,360.00	21,247.61	8,418.00	268.56	269.01	-4.257	-366.87	12,760.62	942.92	731.11	211.81	4.452	
22,229.37	9,360.00	21,276.97	8,418.00	269.16	269.62	-4.257	-366.78	12,789.99	942.92	730.65	212.28	4.442	
22,300.00	9,360.00	21,347.61	8,418.00	270.62	271.07	-4.257	-366.58	12,860.62	942.92	729.53	213.39	4.419	
22,329.37	9,360.00	21,376.97	8,418.00	271.23	271.68	-4.257	-366.49	12,889.99	942.92	729.07	213.85	4.409	
22,400.00	9,360.00	21,447.61	8,418.00	272.68	273.13	-4.257	-366.29	12,960.62	942.92	727.95	214.97	4.386	
22,429.37	9,360.00	21,476.97	8,418.00	273.29	273.74	-4.257	-366.20	12,989.99	942.92	727.49	215.43	4.377	
22,500.00	9,360.00	21,547.61	8,418.00	274.75	275.20	-4.257	-365.99	13,060.62	942.92	726.37	216.55	4.354	
22,529.37	9,360.00	21,576.97	8,418.00	275.36	275.80	-4.257	-365.91	13,089.99	942.92	725.91	217.01	4.345	
22,600.00	9,360.00	21,647.61	8,418.00	276.81	277.26	-4.257	-365.70	13,160.62	942.92	724.79	218.13	4.323	
22,629.37	9,360.00	21,676.97	8,418.00	277.42	277.86	-4.257	-365.61	13,189.99	942.92	724.33	218.59	4.314	
22,700.00	9,360.00	21,747.61	8,418.00	278.88	279.32	-4.257	-365.41	13,260.62	942.92	723.21	219.71	4.292	
22,729.37	9,360.00	21,776.97	8,418.00	279.48	279.93	-4.257	-365.32	13,289.99	942.92	722.75	220.17	4.283	
22,770.64	9,360.00	21,818.25	8,418.00	280.34	280.78	-4.257	-365.20	13,331.26	942.92	722.10	220.82	4.270	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 0.00 usft		
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside			Distance				Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor		
22,771.47	9,360.00	21,818.82	8,418.00	280.35	280.79	-4.257	-365.20	13,331.83	942.92	722.08	220.84	4.270		

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error: 0.00 usft
Survey Program: 0-GYRO-NS													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
0.00	0.00	0.00	0.00	0.00	0.00	-8.896	1,394.08	-218.21	1,411.20				
100.00	100.00	78.13	78.13	0.79	0.95	-8.908	1,394.08	-218.50	1,411.10	1,409.36	1.74	812.652 CC	
200.00	200.00	176.01	176.00	1.45	2.14	-8.956	1,394.09	-219.69	1,411.30	1,407.71	3.59	393.382	
300.00	300.00	272.80	272.78	1.89	2.85	-9.027	1,394.17	-221.50	1,411.67	1,406.93	4.74	297.919	
400.00	400.00	369.26	369.22	2.25	3.39	-9.095	1,394.50	-223.24	1,412.30	1,406.65	5.65	250.055	
500.00	500.00	470.92	470.86	2.57	3.91	-9.164	1,394.98	-225.04	1,413.05	1,406.57	6.48	218.142	
600.00	600.00	575.00	574.92	2.85	4.41	-9.243	1,395.18	-227.04	1,413.54	1,406.28	7.26	194.691	
700.00	700.00	674.92	674.82	3.11	4.86	-9.320	1,395.18	-228.98	1,413.85	1,405.88	7.97	177.416	
800.00	800.00	773.53	773.42	3.35	5.30	-9.380	1,395.33	-230.50	1,414.25	1,405.61	8.64	163.611	
900.00	900.00	872.58	872.46	3.58	5.71	-9.426	1,395.63	-231.69	1,414.75	1,405.46	9.29	152.303	
1,000.00	1,000.00	971.78	971.66	3.79	6.13	-9.464	1,396.01	-232.72	1,415.29	1,405.38	9.92	142.719	
1,100.00	1,100.00	1,069.73	1,069.60	3.99	6.53	-9.501	1,396.47	-233.71	1,415.93	1,405.41	10.52	134.605	
1,200.00	1,200.00	1,167.18	1,167.04	4.19	6.92	-9.547	1,397.06	-234.96	1,416.74	1,405.64	11.11	127.551	
1,300.00	1,300.00	1,266.64	1,266.49	4.38	7.31	-9.599	1,397.78	-236.38	1,417.69	1,406.00	11.69	121.279	
1,400.00	1,400.00	1,367.14	1,366.98	4.56	7.70	-9.636	1,398.54	-237.44	1,418.61	1,406.34	12.27	115.653	
1,500.00	1,500.00	1,471.09	1,470.93	4.74	8.11	-9.662	1,399.26	-238.22	1,419.42	1,406.57	12.85	110.502	
1,600.00	1,600.00	1,576.73	1,576.56	4.91	8.51	-9.690	1,399.58	-238.99	1,419.84	1,406.42	13.42	105.777	
1,700.00	1,700.00	1,675.37	1,675.20	5.08	8.89	-9.714	1,399.70	-239.62	1,420.07	1,406.10	13.97	101.685	
1,800.00	1,800.00	1,772.04	1,771.86	5.24	9.25	-9.725	1,400.08	-239.94	1,420.51	1,406.02	14.49	98.001	
1,900.00	1,900.00	1,872.61	1,872.44	5.40	9.63	-9.721	1,400.67	-239.95	1,421.09	1,406.06	15.03	94.534	
2,000.00	2,000.00	1,974.78	1,974.60	5.56	10.01	-9.705	1,401.18	-239.64	1,421.53	1,405.96	15.57	91.290	
2,100.00	2,100.00	2,079.36	2,079.18	5.71	10.40	-9.681	1,401.51	-239.08	1,421.76	1,405.65	16.11	88.235	
2,200.00	2,200.00	2,184.73	2,184.56	5.86	10.79	-9.661	1,401.45	-238.57	1,421.62	1,404.96	16.65	85.363	
2,300.00	2,300.00	2,282.06	2,281.88	6.01	11.15	-9.641	1,401.26	-238.04	1,421.34	1,404.18	17.16	82.828	
2,351.01	2,351.01	2,331.01	2,330.83	6.08	11.33	-9.627	1,401.28	-237.70	1,421.30	1,403.88	17.41	81.617	
2,400.00	2,400.00	2,378.02	2,377.84	6.16	11.50	-9.612	1,401.38	-237.32	1,421.33	1,403.67	17.66	80.490	
2,500.00	2,500.00	2,476.71	2,476.52	6.30	11.87	-9.569	1,401.76	-236.32	1,421.54	1,403.38	18.16	78.264 ES	
2,600.00	2,599.98	2,576.16	2,575.96	6.49	12.23	-9.510	1,402.24	-234.93	1,423.11	1,404.42	18.69	76.143	
2,700.00	2,699.84	2,669.47	2,669.25	6.68	12.57	-9.457	1,402.88	-233.60	1,427.51	1,408.34	19.18	74.446	
2,800.00	2,799.45	2,760.63	2,760.41	6.88	12.90	-9.399	1,403.92	-233.01	1,435.14	1,415.48	19.66	72.985	
2,900.00	2,898.74	2,853.92	2,853.69	6.98	13.24	-9.343	1,405.38	-233.10	1,445.73	1,425.66	20.08	72.011	
3,000.00	2,997.97	2,949.01	2,948.76	7.15	13.59	-9.290	1,407.09	-233.58	1,457.10	1,436.54	20.56	70.854	
3,100.00	3,097.19	3,044.22	3,043.95	7.34	13.93	-9.240	1,409.02	-234.41	1,468.78	1,447.71	21.07	69.720	
3,200.00	3,196.41	3,139.58	3,139.27	7.55	14.28	-9.190	1,411.15	-235.51	1,480.74	1,459.15	21.58	68.611	
3,300.00	3,295.63	3,236.48	3,236.14	7.77	14.63	-9.140	1,413.50	-236.88	1,492.96	1,470.84	22.11	67.510	
3,400.00	3,394.86	3,336.09	3,335.71	8.02	14.99	-9.090	1,415.94	-238.30	1,505.22	1,482.55	22.67	66.400	
3,500.00	3,494.08	3,435.58	3,435.16	8.27	15.35	-9.040	1,418.34	-239.68	1,517.48	1,494.25	23.23	65.313	
3,600.00	3,593.30	3,534.81	3,534.36	8.55	15.70	-9.000	1,420.72	-241.00	1,529.75	1,505.94	23.81	64.253	
3,700.00	3,692.52	3,635.11	3,634.62	8.83	16.07	-8.960	1,423.11	-242.28	1,542.03	1,517.63	24.40	63.208	
3,800.00	3,791.75	3,737.47	3,736.94	9.12	16.43	-8.920	1,425.38	-243.47	1,554.16	1,529.16	25.00	62.163	
3,900.00	3,890.97	3,838.98	3,838.43	9.42	16.80	-8.880	1,427.44	-244.56	1,566.12	1,540.51	25.61	61.148	
4,000.00	3,990.19	3,939.12	3,938.54	9.74	17.16	-8.840	1,429.37	-245.64	1,578.01	1,551.79	26.22	60.173	
4,100.00	4,089.41	4,037.78	4,037.18	10.06	17.51	-8.800	1,431.22	-246.75	1,589.89	1,563.05	26.84	59.238	
4,200.00	4,188.64	4,134.09	4,133.47	10.38	17.85	-8.760	1,433.15	-247.83	1,601.91	1,574.46	27.45	58.355	
4,300.00	4,287.86	4,231.11	4,230.45	10.72	18.20	-8.720	1,435.25	-248.93	1,614.13	1,586.06	28.07	57.499	
4,400.00	4,387.08	4,329.72	4,329.04	11.06	18.55	-8.680	1,437.45	-250.04	1,626.43	1,597.73	28.71	56.658	
4,500.00	4,486.30	4,428.98	4,428.26	11.40	18.91	-8.640	1,439.68	-251.18	1,638.78	1,609.43	29.35	55.839	
4,600.00	4,585.53	4,529.86	4,529.11	11.75	19.27	-8.600	1,441.87	-252.28	1,651.08	1,621.07	30.00	55.031	
4,700.00	4,684.75	4,629.90	4,629.12	12.11	19.63	-8.560	1,443.94	-253.32	1,663.29	1,632.64	30.66	54.252	
4,800.00	4,783.97	4,727.98	4,727.18	12.47	19.98	-8.520	1,445.99	-254.33	1,675.55	1,644.24	31.31	53.513	
4,900.00	4,883.19	4,825.97	4,825.14	12.83	20.32	-8.480	1,448.10	-255.33	1,687.89	1,655.92	31.97	52.799	
5,000.00	4,982.42	4,923.71	4,922.86	13.20	20.67	-8.440	1,450.26	-256.36	1,700.33	1,667.70	32.63	52.112	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)												Offset Site Error:	0.00 usft
Survey Program: 0-GYRO-NS												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	5,081.64	5,022.70	5,021.81	13.57	21.12	144.843	1,452.52	-257.46	1,712.85	1,679.45	33.40	51.289	
5,200.00	5,180.86	5,126.20	5,125.28	13.94	21.94	145.054	1,454.72	-258.71	1,725.24	1,690.70	34.54	49.951	
5,300.00	5,280.08	5,229.79	5,228.85	14.32	22.76	145.257	1,456.63	-260.09	1,737.39	1,701.71	35.69	48.686	
5,400.00	5,379.31	5,333.46	5,332.49	14.70	23.58	145.453	1,458.27	-261.61	1,749.31	1,712.47	36.84	47.489	
5,500.00	5,478.53	5,434.85	5,433.86	15.08	24.22	145.637	1,459.63	-263.22	1,761.00	1,723.19	37.81	46.576	
5,600.00	5,577.75	5,532.01	5,531.00	15.46	24.54	145.813	1,460.97	-264.69	1,772.75	1,734.29	38.46	46.091	
5,700.00	5,676.97	5,628.66	5,627.63	15.85	24.86	145.989	1,462.42	-266.07	1,784.63	1,745.52	39.12	45.624	
5,800.00	5,776.20	5,724.21	5,723.15	16.23	25.18	146.155	1,464.02	-267.64	1,796.71	1,756.94	39.77	45.179	
5,900.00	5,875.42	5,821.61	5,820.51	16.62	25.50	146.312	1,465.82	-269.52	1,808.99	1,768.56	40.43	44.743	
6,000.00	5,974.64	5,926.20	5,925.07	17.01	25.85	146.483	1,467.61	-271.41	1,821.14	1,780.01	41.13	44.282	
6,100.00	6,073.86	6,029.92	6,028.77	17.40	26.20	146.660	1,469.09	-272.98	1,833.01	1,791.19	41.82	43.830	
6,200.00	6,173.09	6,131.49	6,130.32	17.80	26.54	146.832	1,470.36	-274.47	1,844.73	1,802.22	42.51	43.395	
6,300.00	6,272.31	6,230.65	6,229.46	18.19	26.87	146.995	1,471.50	-276.00	1,856.36	1,813.17	43.19	42.980	
6,400.00	6,371.53	6,324.74	6,323.53	18.59	27.18	147.139	1,472.74	-277.74	1,868.18	1,824.32	43.85	42.601	
6,500.00	6,470.75	6,420.12	6,418.88	18.98	27.50	147.272	1,474.24	-279.88	1,880.27	1,835.75	44.52	42.233	
6,600.00	6,569.98	6,520.81	6,519.52	19.38	27.84	147.411	1,475.86	-282.14	1,892.41	1,847.20	45.21	41.854	
6,700.00	6,669.20	6,621.44	6,620.12	19.78	28.17	147.553	1,477.40	-284.22	1,904.48	1,858.57	45.91	41.483	
6,800.00	6,768.42	6,721.84	6,720.49	20.18	28.51	147.697	1,478.87	-286.17	1,916.49	1,869.88	46.61	41.121	
6,900.00	6,867.64	6,821.93	6,820.55	20.58	28.85	147.842	1,480.27	-287.99	1,928.45	1,881.15	47.30	40.767	
7,000.00	6,966.88	6,920.90	6,919.50	20.97	29.18	148.018	1,481.64	-289.59	1,940.33	1,892.35	47.98	40.439	
7,100.00	7,066.38	7,020.24	7,018.83	21.38	29.52	148.235	1,483.03	-290.95	1,950.14	1,901.46	48.68	40.060	
7,200.00	7,166.17	7,120.36	7,118.93	21.74	29.85	148.368	1,484.43	-292.28	1,957.00	1,907.66	49.34	39.663	
7,300.00	7,266.12	7,220.79	7,219.33	22.05	30.19	148.412	1,485.80	-293.70	1,960.86	1,910.92	49.94	39.264	
7,400.00	7,366.12	7,321.72	7,320.24	22.10	30.53	-0.123	1,487.15	-295.35	1,962.36	1,912.05	50.32	39.001	
7,500.00	7,466.12	7,422.70	7,421.20	22.12	30.87	-0.180	1,488.44	-297.31	1,963.65	1,912.97	50.68	38.744	
7,600.00	7,566.12	7,523.88	7,522.34	22.15	31.22	-0.240	1,489.68	-299.40	1,964.88	1,913.83	51.05	38.489	
7,700.00	7,666.12	7,624.84	7,623.28	22.18	31.56	-0.303	1,490.85	-301.54	1,966.05	1,914.64	51.42	38.237	
7,800.00	7,766.12	7,725.16	7,723.57	22.21	31.90	-0.361	1,491.99	-303.54	1,967.20	1,915.42	51.78	37.989	
7,900.00	7,866.12	7,826.13	7,824.52	22.24	32.24	-0.414	1,493.11	-305.39	1,968.32	1,916.17	52.15	37.742	
8,000.00	7,966.12	7,928.98	7,927.35	22.27	32.59	-0.466	1,494.14	-307.17	1,969.34	1,916.81	52.53	37.490	
8,100.00	8,066.12	8,032.24	8,030.59	22.30	32.94	-0.516	1,495.02	-308.91	1,970.21	1,917.30	52.91	37.237	
8,200.00	8,166.12	8,136.40	8,134.73	22.33	33.29	-0.566	1,495.71	-310.63	1,970.88	1,917.59	53.29	36.981	
8,300.00	8,266.12	8,240.01	8,238.33	22.36	33.64	-0.615	1,496.18	-312.33	1,971.35	1,917.68	53.68	36.727	
8,400.00	8,366.12	8,342.74	8,341.04	22.39	33.99	-0.669	1,496.48	-314.19	1,971.67	1,917.62	54.05	36.476	
8,500.00	8,466.12	8,448.94	8,447.22	22.43	34.35	-0.732	1,496.60	-316.36	1,971.81	1,917.37	54.45	36.216	
8,600.00	8,566.12	8,559.50	8,557.74	22.46	34.73	-0.809	1,496.20	-319.01	1,971.48	1,916.63	54.85	35.942	
8,700.00	8,666.12	8,663.89	8,662.09	22.49	35.09	-0.892	1,495.36	-321.82	1,970.71	1,915.48	55.23	35.680	
8,800.00	8,766.12	8,764.72	8,762.88	22.52	35.43	-0.972	1,494.47	-324.58	1,969.87	1,914.27	55.60	35.429	
8,900.00	8,865.87	8,866.96	8,865.07	22.43	35.78	-91.114	1,493.49	-327.44	1,969.06	1,913.14	55.92	35.211	
9,000.00	8,963.22	8,967.09	8,965.16	22.26	36.12	-91.897	1,492.35	-330.48	1,968.58	1,912.40	56.18	35.042	
9,010.66	8,973.34	8,977.46	8,975.52	22.24	36.16	-92.002	1,492.22	-330.81	1,968.58	1,912.37	56.20	35.027	
9,100.00	9,055.22	9,058.41	9,056.42	22.07	36.43	-92.944	1,491.19	-333.37	1,969.17	1,912.81	56.36	34.939	
9,200.00	9,139.06	9,140.02	9,137.99	21.91	36.71	-94.009	1,490.19	-335.73	1,971.93	1,915.43	56.50	34.903 SF	
9,300.00	9,212.22	9,212.01	9,209.95	21.82	36.96	-94.865	1,489.33	-337.62	1,977.96	1,921.33	56.63	34.925	
9,400.00	9,272.45	9,275.47	9,273.39	21.85	37.17	-95.325	1,488.48	-339.19	1,988.22	1,931.39	56.83	34.985	
9,500.00	9,317.93	9,322.74	9,320.63	22.05	37.33	-95.007	1,487.74	-340.33	2,003.58	1,946.47	57.10	35.087	
9,600.00	9,347.29	9,352.32	9,350.20	22.46	37.43	-93.694	1,487.23	-341.03	2,024.52	1,967.06	57.47	35.229	
9,700.00	9,359.62	9,363.26	9,361.14	23.09	37.47	-91.269	1,487.04	-341.29	2,050.98	1,993.07	57.91	35.420	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W02) LEAR STATE 001H - 38865 - (Gyro/MWD)													Offset Site Error:	0.00 usft
Survey Program:		100-GYRO-NS, 8838-MWD					Rule Assigned:				Offset Well Error:	0.00 usft		
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	Warning	
10,000.00	9,360.00	9,028.00	9,022.89	25.96	31.26	67.990	-1,228.83	2,447.61	2,055.86	2,010.53	45.32	45.361		
10,100.00	9,360.00	9,028.00	9,022.89	27.17	31.26	67.990	-1,228.83	2,447.61	1,964.60	1,918.84	45.75	42.939		
10,200.00	9,360.00	9,028.00	9,022.89	28.49	31.26	67.990	-1,228.83	2,447.61	1,874.23	1,827.92	46.31	40.469		
10,300.00	9,360.00	9,028.00	9,022.89	29.90	31.26	67.990	-1,228.83	2,447.61	1,784.89	1,737.87	47.02	37.961		
10,400.00	9,360.00	9,028.00	9,022.89	31.39	31.26	67.990	-1,228.83	2,447.61	1,696.74	1,648.85	47.90	35.426		
10,500.00	9,360.00	9,028.00	9,022.89	32.95	31.26	67.990	-1,228.83	2,447.61	1,609.98	1,561.02	48.96	32.883		
10,600.00	9,360.00	9,035.26	9,029.71	34.56	31.26	68.496	-1,231.31	2,447.73	1,524.81	1,474.52	50.29	30.322		
10,700.00	9,360.00	9,035.97	9,030.38	36.22	31.26	68.546	-1,231.56	2,447.74	1,441.56	1,389.75	51.81	27.822		
10,800.00	9,360.00	9,036.65	9,031.01	37.93	31.26	68.593	-1,231.79	2,447.75	1,360.58	1,306.98	53.60	25.382		
10,900.00	9,360.00	9,037.28	9,031.61	39.67	31.26	68.638	-1,232.02	2,447.76	1,282.28	1,226.61	55.68	23.030		
11,000.00	9,360.00	9,037.89	9,032.17	41.44	31.26	68.680	-1,232.23	2,447.76	1,207.20	1,149.14	58.06	20.793		
11,100.00	9,360.00	9,038.46	9,032.71	43.24	31.26	68.720	-1,232.43	2,447.77	1,135.95	1,075.20	60.75	18.698		
11,200.00	9,360.00	9,039.00	9,033.21	45.06	31.26	68.757	-1,232.62	2,447.78	1,069.33	1,005.56	63.77	16.769		
11,300.00	9,360.00	9,039.52	9,033.70	46.91	31.27	68.793	-1,232.80	2,447.78	1,008.23	941.14	67.08	15.030		
11,400.00	9,360.00	9,040.01	9,034.15	48.77	31.27	68.828	-1,232.98	2,447.79	953.72	883.08	70.64	13.501		
11,500.00	9,360.00	9,040.48	9,034.59	50.65	31.27	68.860	-1,233.14	2,447.79	907.00	832.65	74.35	12.199		
11,600.00	9,360.00	9,040.92	9,035.01	52.55	31.27	68.891	-1,233.30	2,447.80	869.32	791.26	78.06	11.137		
11,649.89	9,360.00	9,041.14	9,035.21	53.50	31.27	68.906	-1,233.38	2,447.80	854.28	774.43	79.85	10.699		
11,700.00	9,360.00	9,041.35	9,035.41	54.45	31.27	68.921	-1,233.46	2,447.80	841.89	760.32	81.57	10.321		
11,744.12	9,360.00	9,041.53	9,035.58	55.30	31.27	68.934	-1,233.52	2,447.81	833.32	750.32	83.00	10.040		
11,800.00	9,360.00	9,041.75	9,035.79	56.37	31.27	68.949	-1,233.60	2,447.81	825.74	741.07	84.67	9.753		
11,837.53	9,360.00	9,041.90	9,035.92	57.10	31.27	68.960	-1,233.65	2,447.81	822.73	737.05	85.68	9.602		
11,884.71	9,360.00	9,042.09	9,036.09	58.01	31.27	68.972	-1,233.72	2,447.81	821.38	734.57	86.82	9.461 CC		
11,900.00	9,360.00	9,042.14	9,036.15	58.30	31.27	68.976	-1,233.74	2,447.81	821.52	734.38	87.15	9.427 ES		
12,000.00	9,360.00	9,042.52	9,036.50	60.24	31.27	69.002	-1,233.87	2,447.82	829.43	740.55	88.88	9.332 SF		
12,100.00	9,360.00	9,042.87	9,036.83	62.19	31.27	69.027	-1,234.00	2,447.82	849.13	759.30	89.83	9.453		
12,200.00	9,360.00	9,043.22	9,037.15	64.15	31.27	69.051	-1,234.13	2,447.82	879.82	789.77	90.05	9.771		
12,300.00	9,360.00	9,043.55	9,037.46	66.11	31.27	69.074	-1,234.25	2,447.83	920.40	830.73	89.67	10.265		
12,400.00	9,360.00	9,043.86	9,037.75	68.08	31.27	69.096	-1,234.36	2,447.83	969.64	880.80	88.84	10.915		
12,500.00	9,360.00	9,044.17	9,038.04	70.06	31.27	69.118	-1,234.47	2,447.83	1,026.28	938.57	87.71	11.701		
12,600.00	9,360.00	9,044.46	9,038.31	72.04	31.27	69.138	-1,234.58	2,447.83	1,089.18	1,002.77	86.41	12.605		
12,700.00	9,360.00	9,044.74	9,038.57	74.02	31.27	69.158	-1,234.68	2,447.84	1,157.31	1,072.28	85.03	13.611		
12,800.00	9,360.00	9,045.01	9,038.82	76.01	31.27	69.177	-1,234.78	2,447.84	1,229.80	1,146.18	83.63	14.706		
12,900.00	9,360.00	9,045.28	9,039.07	78.01	31.27	69.195	-1,234.87	2,447.84	1,305.94	1,223.68	82.26	15.876		
13,000.00	9,360.00	9,045.53	9,039.30	80.01	31.27	69.213	-1,234.96	2,447.84	1,385.11	1,304.16	80.95	17.111		
13,100.00	9,360.00	9,045.77	9,039.53	82.01	31.27	69.230	-1,235.05	2,447.85	1,466.83	1,387.12	79.71	18.403		
13,200.00	9,360.00	9,046.01	9,039.75	84.02	31.27	69.246	-1,235.14	2,447.85	1,550.69	1,472.15	78.54	19.743		
13,300.00	9,360.00	9,046.24	9,039.96	86.02	31.27	69.262	-1,235.22	2,447.85	1,636.37	1,558.91	77.46	21.126		
13,400.00	9,360.00	9,046.46	9,040.17	88.04	31.27	69.277	-1,235.30	2,447.85	1,723.58	1,647.13	76.45	22.545		
13,500.00	9,360.00	9,046.67	9,040.37	90.05	31.27	69.292	-1,235.38	2,447.85	1,812.13	1,736.61	75.52	23.995		
13,600.00	9,360.00	9,046.88	9,040.56	92.07	31.27	69.307	-1,235.46	2,447.86	1,901.80	1,827.14	74.66	25.473		
13,700.00	9,360.00	9,047.08	9,040.75	94.08	31.27	69.321	-1,235.53	2,447.86	1,992.46	1,918.60	73.86	26.975		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W05) GULF FEDERAL 002 - 26310 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 200-INC-ONLY												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
14,900.00	9,360.00	9,361.11	9,354.52	118.45	272.07	-92.153	-247.77	7,440.95	1,991.26	1,696.74	294.52	6.761	
15,000.00	9,360.00	9,361.10	9,354.50	120.49	272.07	-92.149	-247.77	7,440.95	1,891.82	1,596.70	295.12	6.410	
15,100.00	9,360.00	9,361.08	9,354.49	122.53	272.07	-92.145	-247.77	7,440.95	1,792.44	1,496.65	295.79	6.060	
15,200.00	9,360.00	9,361.07	9,354.47	124.57	272.07	-92.141	-247.76	7,440.95	1,693.13	1,396.58	296.55	5.709	
15,300.00	9,360.00	9,361.06	9,354.46	126.61	272.07	-92.137	-247.76	7,440.95	1,593.91	1,296.49	297.42	5.359	
15,400.00	9,360.00	9,361.04	9,354.44	128.66	272.07	-92.134	-247.76	7,440.95	1,494.80	1,196.36	298.44	5.009	
15,500.00	9,360.00	9,361.03	9,354.43	130.70	272.07	-92.130	-247.76	7,440.95	1,395.81	1,096.19	299.61	4.659	
15,600.00	9,360.00	9,361.01	9,354.42	132.75	272.07	-92.126	-247.76	7,440.95	1,296.97	995.97	301.00	4.309	
15,700.00	9,360.00	9,361.00	9,354.40	134.79	272.06	-92.122	-247.76	7,440.95	1,198.33	895.67	302.66	3.959	
15,800.00	9,360.00	9,360.99	9,354.39	136.84	272.06	-92.118	-247.76	7,440.95	1,099.93	795.28	304.65	3.610	
15,900.00	9,360.00	9,360.97	9,354.37	138.88	272.06	-92.114	-247.76	7,440.95	1,001.86	694.76	307.09	3.262	
16,000.00	9,360.00	9,360.96	9,354.36	140.93	272.06	-92.110	-247.76	7,440.95	904.20	594.08	310.12	2.916	
16,100.00	9,360.00	9,360.94	9,354.35	142.98	272.06	-92.106	-247.76	7,440.95	807.12	493.17	313.95	2.571	
16,200.00	9,360.00	9,360.93	9,354.33	145.03	272.06	-92.102	-247.76	7,440.95	710.84	391.95	318.89	2.229	
16,300.00	9,360.00	9,360.92	9,354.32	147.08	272.06	-92.098	-247.76	7,440.95	615.76	290.33	325.43	1.892 Level 3	
16,400.00	9,360.00	9,360.90	9,354.30	149.13	272.06	-92.094	-247.76	7,440.95	522.51	188.19	334.32	1.563 Level 3	
16,500.00	9,360.00	9,360.89	9,354.29	151.18	272.06	-92.090	-247.76	7,440.95	432.29	85.49	346.80	1.247 Level 3	
16,600.00	9,360.00	9,360.87	9,354.28	153.23	272.06	-92.087	-247.76	7,440.95	347.47	-17.27	364.74	0.953 Level 3	
16,700.00	9,360.00	9,360.86	9,354.26	155.28	272.06	-92.083	-247.76	7,440.95	273.12	-116.88	390.00	0.700 Level 3	
16,800.00	9,360.00	9,360.85	9,354.25	157.33	272.06	-92.079	-247.76	7,440.95	220.13	-198.87	419.00	0.525 Level 3	
16,880.70	9,360.00	9,360.83	9,354.24	158.99	272.06	-92.076	-247.76	7,440.95	204.80	-226.18	430.98	0.475 Level 3, CC, ES, SF	
16,900.00	9,360.00	9,360.83	9,354.24	159.39	272.06	-92.075	-247.76	7,440.95	205.71	-224.87	430.58	0.478 Level 3	
17,000.00	9,360.00	9,360.82	9,354.22	161.44	272.06	-92.071	-247.76	7,440.95	237.02	-174.30	411.32	0.576 Level 3	
17,100.00	9,360.00	9,360.80	9,354.21	163.49	272.06	-92.067	-247.76	7,440.95	300.06	-83.76	383.82	0.782 Level 3	
17,200.00	9,360.00	9,360.79	9,354.19	165.55	272.06	-92.063	-247.75	7,440.95	379.34	17.16	362.18	1.047 Level 3	
17,300.00	9,360.00	9,360.78	9,354.18	167.60	272.05	-92.059	-247.75	7,440.95	466.64	119.67	346.98	1.345 Level 3	
17,400.00	9,360.00	9,360.76	9,354.17	169.66	272.05	-92.055	-247.75	7,440.95	558.23	221.94	336.29	1.660 Level 3	
17,500.00	9,360.00	9,360.75	9,354.15	171.71	272.05	-92.052	-247.75	7,440.95	652.29	323.71	328.58	1.985 Level 3	
17,600.00	9,360.00	9,360.73	9,354.14	173.77	272.05	-92.048	-247.75	7,440.95	747.89	425.04	322.85	2.317	
17,700.00	9,360.00	9,360.72	9,354.12	175.82	272.05	-92.044	-247.75	7,440.95	844.51	526.02	318.49	2.652	
17,800.00	9,360.00	9,360.71	9,354.11	177.88	272.05	-92.040	-247.75	7,440.95	941.84	626.73	315.10	2.989	
17,900.00	9,360.00	9,360.69	9,354.10	179.93	272.05	-92.036	-247.75	7,440.95	1,039.67	727.25	312.42	3.328	
18,000.00	9,360.00	9,360.68	9,354.08	181.99	272.05	-92.032	-247.75	7,440.95	1,137.88	827.61	310.27	3.667	
18,100.00	9,360.00	9,360.67	9,354.07	184.05	272.05	-92.028	-247.75	7,440.95	1,236.38	927.86	308.52	4.007	
18,200.00	9,360.00	9,360.65	9,354.06	186.11	272.05	-92.025	-247.75	7,440.95	1,335.10	1,028.02	307.09	4.348	
18,300.00	9,360.00	9,360.64	9,354.04	188.16	272.05	-92.021	-247.75	7,440.95	1,434.00	1,128.10	305.90	4.688	
18,400.00	9,360.00	9,360.62	9,354.03	190.22	272.05	-92.017	-247.75	7,440.95	1,533.04	1,228.14	304.91	5.028	
18,500.00	9,360.00	9,360.61	9,354.01	192.28	272.05	-92.013	-247.75	7,440.95	1,632.20	1,328.12	304.08	5.368	
18,600.00	9,360.00	9,360.60	9,354.00	194.34	272.05	-92.009	-247.75	7,440.95	1,731.46	1,428.08	303.38	5.707	
18,700.00	9,360.00	9,360.58	9,353.99	196.40	272.05	-92.005	-247.75	7,440.95	1,830.79	1,528.00	302.79	6.046	
18,800.00	9,360.00	9,360.57	9,353.97	198.46	272.05	-92.001	-247.75	7,440.95	1,930.20	1,627.91	302.29	6.385	
18,900.00	9,360.00	9,360.56	9,353.96	200.51	272.04	-91.998	-247.75	7,440.95	2,029.66	1,727.80	301.86	6.724	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 210-INC-ONLY				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	
15,200.00	9,360.00	9,337.11	9,335.23	124.57	235.85	89.866	-1,559.73	7,447.99	2,015.36	1,710.35	305.01	6.607	
15,300.00	9,360.00	9,337.11	9,335.23	126.61	235.85	89.866	-1,559.73	7,447.99	1,932.59	1,623.58	309.01	6.254	
15,400.00	9,360.00	9,337.11	9,335.23	128.66	235.85	89.866	-1,559.73	7,447.99	1,851.52	1,538.22	313.30	5.910	
15,500.00	9,360.00	9,337.11	9,335.23	130.70	235.85	89.866	-1,559.73	7,447.99	1,772.38	1,454.47	317.91	5.575	
15,600.00	9,360.00	9,337.11	9,335.23	132.75	235.85	89.866	-1,559.73	7,447.99	1,695.45	1,372.60	322.85	5.251	
15,700.00	9,360.00	9,337.11	9,335.23	134.79	235.85	89.866	-1,559.73	7,447.99	1,621.04	1,292.91	328.13	4.940	
15,800.00	9,360.00	9,337.11	9,335.23	136.84	235.85	89.866	-1,559.73	7,447.99	1,549.51	1,215.75	333.76	4.643	
15,900.00	9,360.00	9,337.11	9,335.23	138.88	235.85	89.866	-1,559.73	7,447.99	1,481.29	1,141.57	339.71	4.360	
16,000.00	9,360.00	9,337.11	9,335.23	140.93	235.85	89.866	-1,559.73	7,447.99	1,416.84	1,070.87	345.97	4.095	
16,100.00	9,360.00	9,337.11	9,335.23	142.98	235.85	89.866	-1,559.73	7,447.99	1,356.71	1,004.25	352.46	3.849	
16,200.00	9,360.00	9,337.11	9,335.23	145.03	235.85	89.866	-1,559.73	7,447.99	1,301.49	942.38	359.10	3.624	
16,300.00	9,360.00	9,337.11	9,335.23	147.08	235.85	89.866	-1,559.73	7,447.99	1,251.84	886.06	365.78	3.422	
16,400.00	9,360.00	9,337.11	9,335.23	149.13	235.85	89.866	-1,559.73	7,447.99	1,208.43	836.12	372.31	3.246	
16,500.00	9,360.00	9,337.10	9,335.22	151.18	235.85	89.866	-1,559.73	7,447.99	1,171.98	793.48	378.50	3.096	
16,600.00	9,360.00	9,337.10	9,335.22	153.23	235.85	89.866	-1,559.73	7,447.99	1,143.13	759.02	384.11	2.976	
16,700.00	9,360.00	9,337.10	9,335.22	155.28	235.85	89.866	-1,559.73	7,447.99	1,122.49	733.58	388.91	2.886	
16,800.00	9,360.00	9,337.10	9,335.22	157.33	235.85	89.866	-1,559.73	7,447.99	1,110.49	717.82	392.68	2.828	
16,883.85	9,360.00	9,337.10	9,335.22	159.06	235.85	89.866	-1,559.73	7,447.99	1,107.32	712.40	394.92	2.804 CC	
16,900.00	9,360.00	9,337.10	9,335.22	159.39	235.85	89.866	-1,559.73	7,447.99	1,107.44	712.19	395.25	2.802 ES, SF	
17,000.00	9,360.00	9,337.10	9,335.22	161.44	235.85	89.866	-1,559.73	7,447.99	1,113.39	716.85	396.54	2.808	
17,100.00	9,360.00	9,337.10	9,335.22	163.49	235.85	89.865	-1,559.73	7,447.99	1,128.21	731.64	396.57	2.845	
17,200.00	9,360.00	9,337.10	9,335.22	165.55	235.85	89.865	-1,559.73	7,447.99	1,151.55	756.13	395.43	2.912	
17,300.00	9,360.00	9,337.10	9,335.22	167.60	235.85	89.865	-1,559.73	7,447.99	1,182.92	789.64	393.27	3.008	
17,400.00	9,360.00	9,337.10	9,335.22	169.66	235.85	89.865	-1,559.73	7,447.99	1,221.68	831.38	390.31	3.130	
17,500.00	9,360.00	9,337.10	9,335.22	171.71	235.85	89.865	-1,559.73	7,447.99	1,267.18	880.44	386.74	3.277	
17,600.00	9,360.00	9,337.10	9,335.22	173.77	235.85	89.865	-1,559.73	7,447.99	1,318.69	935.94	382.75	3.445	
17,700.00	9,360.00	9,337.10	9,335.22	175.82	235.85	89.865	-1,559.73	7,447.99	1,375.56	997.03	378.53	3.634	
17,800.00	9,360.00	9,337.10	9,335.22	177.88	235.85	89.865	-1,559.73	7,447.99	1,437.15	1,062.94	374.20	3.841	
17,900.00	9,360.00	9,337.10	9,335.22	179.93	235.85	89.865	-1,559.73	7,447.99	1,502.87	1,132.99	369.88	4.063	
18,000.00	9,360.00	9,337.09	9,335.21	181.99	235.85	89.865	-1,559.73	7,447.99	1,572.21	1,206.58	365.63	4.300	
18,100.00	9,360.00	9,337.09	9,335.21	184.05	235.85	89.865	-1,559.72	7,447.99	1,644.70	1,283.19	361.51	4.550	
18,200.00	9,360.00	9,337.09	9,335.21	186.11	235.85	89.865	-1,559.72	7,447.99	1,719.96	1,362.40	357.56	4.810	
18,300.00	9,360.00	9,337.09	9,335.21	188.16	235.85	89.865	-1,559.72	7,447.99	1,797.64	1,443.84	353.79	5.081	
18,400.00	9,360.00	9,337.09	9,335.21	190.22	235.85	89.865	-1,559.72	7,447.99	1,877.42	1,527.20	350.22	5.361	
18,500.00	9,360.00	9,337.09	9,335.21	192.28	235.85	89.865	-1,559.72	7,447.99	1,959.06	1,612.22	346.84	5.648	
18,600.00	9,360.00	9,337.09	9,335.21	194.34	235.85	89.865	-1,559.72	7,447.99	2,042.34	1,698.68	343.66	5.943	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 239-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre			Distance			Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-63.699	732.38	-1,481.79	1,652.96				
100.00	100.00	85.82	85.82	0.79	1.75	-63.699	732.38	-1,481.79	1,652.90	1,650.37	2.54	651.486	
200.00	200.00	185.82	185.82	1.45	3.79	-63.699	732.38	-1,481.79	1,652.90	1,647.66	5.24	315.532	
300.00	300.00	285.82	285.82	1.89	5.80	-63.699	732.38	-1,481.79	1,652.90	1,645.21	7.69	214.983	
400.00	400.00	385.82	385.82	2.25	7.76	-63.699	732.38	-1,481.79	1,652.90	1,642.89	10.01	165.065	
500.00	500.00	485.82	485.82	2.57	9.72	-63.699	732.38	-1,481.79	1,652.90	1,640.61	12.29	134.483	
600.00	600.00	585.82	585.82	2.85	11.52	-63.699	732.38	-1,481.79	1,652.90	1,638.53	14.37	115.027	
700.00	700.00	686.61	686.61	3.11	13.26	-63.696	732.47	-1,481.79	1,652.94	1,636.57	16.37	100.970	
800.00	800.00	785.82	785.82	3.35	15.27	-63.699	732.38	-1,481.79	1,652.90	1,634.28	18.62	88.756	
900.00	900.00	885.82	885.82	3.58	17.73	-63.699	732.38	-1,481.79	1,652.90	1,631.60	21.30	77.584	
1,000.00	1,000.00	985.85	985.85	3.79	20.19	-63.691	732.63	-1,481.79	1,653.02	1,629.04	23.98	68.947	
1,100.00	1,100.00	1,086.53	1,086.53	3.99	22.66	-63.693	732.58	-1,481.79	1,652.99	1,626.34	26.65	62.021	
1,200.00	1,200.00	1,187.21	1,187.21	4.19	25.13	-63.697	732.44	-1,481.79	1,652.93	1,623.61	29.32	56.375	
1,300.00	1,300.00	1,285.83	1,285.82	4.38	27.59	-63.699	732.38	-1,481.79	1,652.90	1,620.93	31.97	51.696	
1,400.00	1,400.00	1,385.83	1,385.82	4.56	30.11	-63.699	732.38	-1,481.79	1,652.90	1,618.23	34.67	47.669	
1,500.00	1,500.00	1,485.83	1,485.82	4.74	32.63	-63.699	732.38	-1,481.79	1,652.90	1,615.53	37.37	44.230	
1,600.00	1,600.00	1,586.28	1,586.27	4.91	35.16	-63.690	732.66	-1,481.79	1,653.03	1,612.96	40.07	41.251	
1,700.00	1,700.00	1,686.84	1,686.83	5.08	37.69	-63.693	732.56	-1,481.79	1,652.99	1,610.21	42.77	38.646	
1,800.00	1,800.00	1,787.40	1,787.39	5.24	40.23	-63.699	732.39	-1,481.79	1,652.91	1,607.44	45.47	36.352	
1,838.22	1,838.22	1,824.09	1,824.04	5.30	41.07	-63.699	732.38	-1,481.79	1,652.90	1,606.52	46.38	35.640	
1,900.00	1,900.00	1,885.87	1,885.82	5.40	42.48	-63.699	732.38	-1,481.79	1,652.90	1,605.02	47.88	34.522	
2,000.00	2,000.00	1,985.87	1,985.82	5.56	44.75	-63.699	732.38	-1,481.79	1,652.90	1,602.59	50.31	32.856	
2,100.00	2,100.00	2,086.89	2,086.84	5.71	47.04	-63.666	733.45	-1,481.79	1,653.38	1,600.62	52.76	31.340	
2,200.00	2,200.00	2,189.50	2,189.44	5.86	49.38	-63.676	733.13	-1,481.79	1,653.24	1,598.00	55.24	29.930	
2,300.00	2,300.00	2,292.12	2,292.05	6.01	51.71	-63.697	732.44	-1,481.79	1,652.94	1,595.23	57.72	28.639	
2,313.97	2,313.97	2,306.46	2,306.39	6.03	52.03	-63.701	732.32	-1,481.79	1,652.89	1,594.83	58.06	28.468	
2,400.00	2,400.00	2,386.02	2,385.82	6.16	53.75	-63.699	732.38	-1,481.79	1,652.90	1,593.00	59.90	27.594	
2,500.00	2,500.00	2,486.97	2,486.75	6.30	55.93	-63.659	733.68	-1,481.79	1,653.48	1,591.25	62.23	26.571	
2,600.00	2,599.98	2,593.98	2,593.74	6.49	58.25	84.890	733.04	-1,481.79	1,653.06	1,588.40	64.66	25.566	
2,700.00	2,699.84	2,685.99	2,685.66	6.68	60.20	85.050	732.38	-1,481.79	1,652.28	1,585.58	66.71	24.770	
2,800.00	2,799.45	2,785.65	2,785.27	6.88	62.28	85.364	732.38	-1,481.79	1,651.55	1,582.68	68.87	23.980	
2,900.00	2,898.74	2,884.94	2,884.56	6.98	64.39	85.783	732.38	-1,481.79	1,650.63	1,579.62	71.01	23.244	
3,000.00	2,997.97	2,989.67	2,989.27	7.15	66.62	86.254	733.04	-1,481.79	1,650.07	1,576.73	73.34	22.500	
3,100.00	3,097.19	3,083.47	3,083.01	7.34	68.57	86.639	732.38	-1,481.79	1,648.97	1,573.59	75.38	21.874	
3,200.00	3,196.41	3,182.69	3,182.23	7.55	70.52	87.067	732.38	-1,481.79	1,648.28	1,570.85	77.44	21.286	
3,300.00	3,295.63	3,287.33	3,286.86	7.77	72.58	87.534	732.86	-1,481.79	1,647.93	1,568.33	79.60	20.703	
3,400.00	3,394.86	3,381.18	3,380.68	8.02	74.31	87.925	732.38	-1,481.79	1,647.19	1,565.76	81.42	20.230	
3,500.00	3,494.08	3,480.40	3,479.90	8.27	75.94	88.354	732.38	-1,481.79	1,646.78	1,563.62	83.16	19.802	
3,600.00	3,593.30	3,583.34	3,582.83	8.55	77.64	88.808	732.63	-1,481.79	1,646.60	1,561.63	84.97	19.379	
3,700.00	3,692.52	3,678.85	3,678.34	8.83	79.49	89.214	732.38	-1,481.79	1,646.25	1,559.32	86.93	18.939	
3,800.00	3,791.75	3,778.08	3,777.57	9.12	81.68	89.643	732.38	-1,481.79	1,646.12	1,556.90	89.22	18.450	
3,882.94	3,874.05	3,860.38	3,859.87	9.37	83.49	90.000	732.38	-1,481.79	1,646.09	1,554.96	91.13	18.064 CC	
3,900.00	3,890.97	3,877.30	3,876.79	9.42	83.87	90.073	732.38	-1,481.79	1,646.09	1,554.57	91.52	17.986	
4,000.00	3,990.19	3,976.52	3,976.01	9.74	86.05	90.503	732.38	-1,481.79	1,646.16	1,552.34	93.82	17.546	
4,100.00	4,089.41	4,075.75	4,075.23	10.06	88.24	90.933	732.38	-1,481.79	1,646.31	1,550.20	96.12	17.128	
4,200.00	4,188.64	4,174.97	4,174.46	10.38	90.43	91.363	732.38	-1,481.79	1,646.56	1,548.14	98.42	16.730	
4,300.00	4,287.86	4,274.21	4,273.68	10.72	92.48	91.792	732.38	-1,481.79	1,646.91	1,546.32	100.59	16.372	
4,400.00	4,387.08	4,373.43	4,372.90	11.06	94.48	92.221	732.38	-1,481.79	1,647.35	1,544.64	102.71	16.038	
4,500.00	4,486.30	4,472.65	4,472.12	11.40	96.49	92.650	732.38	-1,481.79	1,647.88	1,543.04	104.84	15.719	
4,600.00	4,585.53	4,573.71	4,573.17	11.75	98.53	93.111	733.23	-1,481.79	1,649.00	1,541.99	107.00	15.411	
4,700.00	4,684.75	4,675.16	4,674.62	12.11	100.58	93.540	732.92	-1,481.79	1,649.54	1,540.37	109.17	15.109	
4,800.00	4,783.97	4,776.66	4,776.12	12.47	102.63	93.963	732.36	-1,481.79	1,650.05	1,538.70	111.35	14.819	

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

Dixon Directional

Anticollision Report



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Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 239-INC-ONLY													Offset Well Error:	0.00 usft
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	4,883.19	4,869.57	4,869.01	12.83	104.23	94.363	732.38	-1,481.79	1,650.95	1,537.86	113.09	14.599		
5,000.00	4,982.42	4,968.79	4,968.24	13.20	105.96	94.790	732.38	-1,481.79	1,651.95	1,537.01	114.94	14.372		
5,100.00	5,081.64	5,068.50	5,067.95	13.57	107.69	95.226	732.62	-1,481.79	1,653.19	1,536.39	116.80	14.153		
5,200.00	5,180.86	5,168.65	5,168.09	13.94	109.43	95.653	732.53	-1,481.79	1,654.32	1,535.65	118.68	13.939		
5,300.00	5,280.08	5,266.46	5,265.90	14.32	111.16	96.068	732.38	-1,481.79	1,655.51	1,534.96	120.55	13.733		
5,400.00	5,379.31	5,365.68	5,365.13	14.70	113.12	96.493	732.38	-1,481.79	1,656.88	1,534.24	122.65	13.509		
5,500.00	5,478.53	5,464.90	5,464.35	15.08	115.08	96.917	732.38	-1,481.79	1,658.35	1,533.60	124.75	13.293		
5,600.00	5,577.75	5,564.33	5,563.78	15.46	117.04	97.349	732.68	-1,481.79	1,660.10	1,533.24	126.86	13.086		
5,700.00	5,676.97	5,664.36	5,663.81	15.85	119.02	97.773	732.63	-1,481.79	1,661.71	1,532.73	128.98	12.883		
5,800.00	5,776.20	5,764.41	5,763.85	16.23	120.99	98.195	732.49	-1,481.79	1,663.37	1,532.25	131.11	12.687		
5,900.00	5,875.42	5,861.82	5,861.24	16.62	122.95	98.605	732.38	-1,481.79	1,665.12	1,531.90	133.22	12.499		
6,000.00	5,974.64	5,961.04	5,960.46	17.01	125.00	99.024	732.38	-1,481.79	1,667.04	1,531.61	135.43	12.309		
6,100.00	6,073.86	6,060.26	6,059.68	17.40	127.04	99.443	732.38	-1,481.79	1,669.06	1,531.42	137.64	12.126		
6,200.00	6,173.09	6,160.92	6,160.33	17.80	129.12	99.889	733.26	-1,481.79	1,671.75	1,531.86	139.88	11.951		
6,300.00	6,272.31	6,262.81	6,262.22	18.19	131.22	100.311	733.01	-1,481.79	1,673.78	1,531.63	142.15	11.774		
6,400.00	6,371.53	6,364.76	6,364.17	18.59	133.33	100.725	732.52	-1,481.79	1,675.74	1,531.31	144.43	11.602		
6,500.00	6,470.75	6,457.20	6,456.57	18.98	135.21	101.108	732.38	-1,481.79	1,678.01	1,531.52	146.49	11.455		
6,600.00	6,569.98	6,556.42	6,555.80	19.38	137.22	101.521	732.38	-1,481.79	1,680.47	1,531.78	148.68	11.303		
6,700.00	6,669.20	6,655.65	6,655.02	19.78	139.24	101.933	732.38	-1,481.79	1,683.01	1,532.14	150.88	11.155		
6,800.00	6,768.42	6,757.62	6,756.98	20.18	141.31	102.374	733.15	-1,481.79	1,686.19	1,533.06	153.14	11.011		
6,900.00	6,867.64	6,859.77	6,859.13	20.58	143.38	102.787	732.79	-1,481.79	1,688.67	1,533.27	155.40	10.867		
7,000.00	6,966.88	6,953.37	6,952.70	20.97	145.29	103.171	732.38	-1,481.79	1,691.16	1,533.68	157.48	10.739		
7,100.00	7,066.38	7,052.88	7,052.20	21.38	147.38	103.540	732.38	-1,481.79	1,693.46	1,533.71	159.75	10.601		
7,200.00	7,166.17	7,152.67	7,151.99	21.74	149.47	103.780	732.38	-1,481.79	1,694.98	1,532.98	162.00	10.463		
7,300.00	7,266.12	7,255.07	7,254.39	22.05	151.62	103.908	733.10	-1,481.79	1,696.20	1,531.93	164.27	10.326		
7,400.00	7,366.12	7,358.41	7,357.72	22.10	153.78	-44.590	732.75	-1,481.79	1,696.00	1,529.55	166.46	10.189		
7,500.00	7,466.12	7,452.69	7,451.94	22.12	155.80	-44.599	732.38	-1,481.79	1,695.73	1,527.21	168.52	10.063		
7,600.00	7,566.12	7,552.69	7,551.94	22.15	158.04	-44.599	732.38	-1,481.79	1,695.73	1,524.92	170.81	9.928		
7,700.00	7,666.12	7,652.69	7,651.94	22.18	160.29	-44.599	732.38	-1,481.79	1,695.73	1,522.62	173.10	9.796		
7,800.00	7,766.12	7,756.72	7,755.94	22.21	162.62	-44.569	733.64	-1,481.79	1,696.63	1,521.14	175.49	9.668		
7,900.00	7,866.12	7,862.22	7,861.44	22.24	164.99	-44.583	733.05	-1,481.79	1,696.23	1,518.32	177.91	9.534		
8,000.00	7,966.12	7,952.82	7,951.94	22.27	167.06	-44.599	732.38	-1,481.79	1,695.73	1,515.70	180.02	9.419		
8,100.00	8,066.12	8,052.82	8,051.94	22.30	169.50	-44.599	732.38	-1,481.79	1,695.73	1,513.21	182.51	9.291		
8,200.00	8,166.12	8,152.82	8,151.94	22.33	171.93	-44.599	732.38	-1,481.79	1,695.73	1,510.73	185.00	9.166		
8,300.00	8,266.12	8,257.43	8,256.53	22.36	174.48	-44.572	733.53	-1,481.79	1,696.55	1,508.95	187.61	9.043		
8,400.00	8,366.12	8,363.28	8,362.38	22.39	177.06	-44.587	732.87	-1,481.79	1,696.11	1,505.87	190.24	8.916		
8,500.00	8,466.12	8,453.01	8,451.94	22.43	179.33	-44.599	732.38	-1,481.79	1,695.73	1,503.18	192.55	8.807		
8,600.00	8,566.12	8,553.01	8,551.94	22.46	181.96	-44.599	732.38	-1,481.79	1,695.73	1,500.49	195.24	8.685		
8,700.00	8,666.12	8,657.80	8,656.69	22.49	184.73	-44.560	734.02	-1,481.79	1,696.91	1,498.85	198.06	8.568		
8,800.00	8,766.12	8,769.77	8,768.64	22.52	187.68	-44.583	733.03	-1,481.79	1,696.28	1,495.22	201.05	8.437		
8,810.93	8,777.05	8,782.01	8,780.87	22.51	188.00	-134.425	732.86	-1,481.79	1,696.22	1,494.84	201.38	8.423 ES		
8,900.00	8,865.87	8,853.00	8,851.69	22.43	189.80	-134.289	732.38	-1,481.79	1,699.55	1,496.28	203.26	8.361		
9,000.00	8,963.22	8,950.35	8,949.04	22.26	192.19	-133.671	732.38	-1,481.79	1,715.27	1,509.48	205.80	8.335 SF		
9,100.00	9,055.22	9,042.35	9,041.04	22.07	194.45	-132.457	732.38	-1,481.79	1,743.02	1,534.85	208.17	8.373		
9,200.00	9,139.06	9,129.98	9,128.62	21.91	196.60	-130.449	734.66	-1,481.79	1,784.00	1,573.56	210.44	8.478		
9,300.00	9,212.22	9,209.40	9,208.02	21.82	198.56	-127.476	734.21	-1,481.79	1,834.16	1,621.67	212.50	8.632		
9,400.00	9,272.45	9,274.80	9,273.41	21.85	200.16	-122.969	733.53	-1,481.79	1,894.26	1,680.03	214.23	8.842		
9,500.00	9,317.93	9,324.19	9,322.78	22.05	201.38	-116.294	732.83	-1,481.79	1,963.02	1,747.42	215.60	9.105		
9,600.00	9,347.29	9,356.07	9,354.64	22.46	202.16	-106.759	732.30	-1,481.79	2,038.70	1,822.11	216.59	9.413		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 252-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	-98.170	-258.86	-1,803.12	1,821.64					
100.00	100.00	88.82	88.82	0.79	1.88	-98.170	-258.86	-1,803.12	1,821.60	1,818.94	2.66	684.151		
200.00	200.00	188.82	188.82	1.45	3.99	-98.170	-258.86	-1,803.12	1,821.60	1,816.17	5.44	335.087		
300.00	300.00	288.82	288.82	1.89	6.05	-98.170	-258.86	-1,803.12	1,821.60	1,813.66	7.95	229.232		
391.90	391.90	380.70	380.70	2.22	7.91	-98.166	-258.73	-1,803.12	1,821.59	1,811.45	10.13	179.799		
400.00	400.00	388.76	388.76	2.25	8.07	-98.166	-258.73	-1,803.12	1,821.59	1,811.26	10.32	176.456		
500.00	500.00	488.31	488.31	2.57	10.08	-98.169	-258.84	-1,803.12	1,821.60	1,808.96	12.64	144.072		
588.94	588.94	577.72	577.68	2.82	11.92	-98.154	-258.36	-1,803.12	1,821.53	1,806.80	14.74	123.610		
600.00	600.00	588.32	588.27	2.85	12.14	-98.154	-258.37	-1,803.12	1,821.53	1,806.55	14.99	121.548		
700.00	700.00	687.45	687.37	3.11	14.15	-98.168	-258.81	-1,803.12	1,821.60	1,804.34	17.26	105.557		
761.59	761.59	750.48	750.40	3.26	15.57	-98.162	-258.62	-1,803.12	1,821.57	1,802.74	18.83	96.752		
800.00	800.00	787.40	787.32	3.35	16.42	-98.166	-258.73	-1,803.12	1,821.59	1,801.82	19.77	92.152		
900.00	900.00	888.94	888.82	3.58	19.04	-98.170	-258.86	-1,803.12	1,821.60	1,798.99	22.62	80.536		
1,000.00	1,000.00	989.03	988.82	3.79	21.64	-98.170	-258.86	-1,803.12	1,821.60	1,796.17	25.43	71.625		
1,039.68	1,039.68	1,028.66	1,028.44	3.87	22.57	-98.156	-258.43	-1,803.12	1,821.54	1,795.10	26.44	68.893		
1,100.00	1,100.00	1,089.04	1,088.80	3.99	23.97	-98.169	-258.84	-1,803.12	1,821.60	1,793.64	27.96	65.146		
1,200.00	1,200.00	1,189.06	1,188.82	4.19	26.07	-98.170	-258.86	-1,803.12	1,821.60	1,791.35	30.26	60.202		
1,234.46	1,234.46	1,223.52	1,223.28	4.26	26.79	-98.152	-258.30	-1,803.12	1,821.52	1,790.48	31.05	58.669		
1,300.00	1,300.00	1,287.95	1,287.70	4.38	28.15	-98.157	-258.44	-1,803.12	1,821.54	1,789.02	32.52	56.005		
1,400.00	1,400.00	1,389.09	1,388.82	4.56	30.19	-98.170	-258.86	-1,803.12	1,821.60	1,786.85	34.75	52.416		
1,478.32	1,478.32	1,467.35	1,467.07	4.70	31.66	-98.159	-258.50	-1,803.12	1,821.55	1,785.19	36.36	50.094		
1,500.00	1,500.00	1,488.70	1,488.42	4.74	32.06	-98.159	-258.52	-1,803.12	1,821.56	1,784.75	36.80	49.496		
1,600.00	1,600.00	1,589.10	1,588.82	4.91	33.97	-98.170	-258.86	-1,803.12	1,821.60	1,782.73	38.88	46.855		
1,700.00	1,700.00	1,689.10	1,688.82	5.08	35.94	-98.170	-258.86	-1,803.12	1,821.60	1,780.58	41.02	44.405		
1,740.42	1,740.42	1,729.52	1,729.24	5.15	36.74	-98.159	-258.52	-1,803.12	1,821.56	1,779.67	41.89	43.487		
1,800.00	1,800.00	1,788.68	1,788.39	5.24	37.91	-98.161	-258.57	-1,803.12	1,821.56	1,778.41	43.15	42.210		
1,900.00	1,900.00	1,889.12	1,888.82	5.40	39.90	-98.170	-258.86	-1,803.12	1,821.60	1,776.30	45.30	40.209		
2,000.00	2,000.00	1,989.12	1,988.82	5.56	41.98	-98.170	-258.86	-1,803.12	1,821.60	1,774.06	47.54	38.315		
2,038.25	2,038.25	2,027.37	2,027.06	5.62	42.78	-98.155	-258.40	-1,803.12	1,821.54	1,773.14	48.40	37.637		
2,100.00	2,100.00	2,088.39	2,088.08	5.71	44.05	-98.158	-258.49	-1,803.12	1,821.55	1,771.79	49.76	36.604		
2,200.00	2,200.00	2,189.16	2,188.82	5.86	46.19	-98.170	-258.86	-1,803.12	1,821.60	1,769.55	52.06	34.994		
2,300.00	2,300.00	2,289.16	2,288.82	6.01	48.48	-98.170	-258.86	-1,803.12	1,821.60	1,767.12	54.49	33.431		
2,400.00	2,400.00	2,389.16	2,388.82	6.16	50.77	-98.170	-258.86	-1,803.12	1,821.60	1,764.68	56.92	32.002		
2,500.00	2,500.00	2,488.44	2,488.09	6.30	53.04	-98.140	-257.92	-1,803.12	1,821.47	1,762.14	59.33	30.699		
2,546.06	2,546.06	2,534.08	2,533.73	6.38	54.08	50.363	-258.08	-1,803.12	1,821.26	1,760.81	60.44	30.131		
2,600.00	2,599.98	2,587.53	2,587.17	6.49	55.30	50.399	-258.37	-1,803.12	1,820.42	1,758.67	61.75	29.481		
2,700.00	2,699.84	2,689.04	2,688.66	6.68	57.61	50.564	-258.86	-1,803.12	1,817.16	1,752.97	64.18	28.312		
2,800.00	2,799.45	2,788.65	2,788.27	6.88	59.85	50.862	-258.86	-1,803.12	1,811.63	1,745.07	66.56	27.220		
2,900.00	2,898.74	2,887.94	2,887.56	6.98	62.08	51.219	-258.86	-1,803.12	1,804.13	1,735.29	68.84	26.207		
3,000.00	2,997.97	2,986.77	2,986.38	7.15	64.30	51.539	-258.43	-1,803.12	1,796.27	1,725.08	71.19	25.233		
3,100.00	3,097.19	3,085.63	3,085.24	7.34	66.53	51.840	-258.70	-1,803.12	1,788.55	1,715.01	73.54	24.321		
3,200.00	3,196.41	3,185.67	3,185.23	7.55	68.77	52.150	-258.86	-1,803.12	1,780.87	1,704.95	75.92	23.457		
3,300.00	3,295.63	3,284.89	3,284.45	7.77	70.98	52.466	-258.86	-1,803.12	1,773.22	1,694.94	78.28	22.652		
3,400.00	3,394.86	3,384.05	3,383.60	8.02	73.20	52.829	-257.50	-1,803.12	1,765.49	1,684.84	80.65	21.891		
3,500.00	3,494.08	3,482.57	3,482.11	8.27	75.40	53.140	-257.75	-1,803.12	1,757.99	1,674.98	83.01	21.179		
3,600.00	3,593.30	3,581.19	3,580.72	8.55	77.60	53.441	-258.42	-1,803.12	1,750.57	1,665.20	85.37	20.505		
3,700.00	3,692.52	3,681.84	3,681.34	8.83	79.76	53.758	-258.86	-1,803.12	1,743.19	1,655.49	87.70	19.876		
3,800.00	3,791.75	3,781.07	3,780.57	9.12	81.83	54.087	-258.86	-1,803.12	1,735.82	1,645.89	89.94	19.300		
3,900.00	3,890.97	3,880.25	3,879.74	9.42	83.89	54.436	-258.35	-1,803.12	1,728.48	1,636.30	92.17	18.752		
4,000.00	3,990.19	3,979.26	3,978.76	9.74	85.95	54.767	-258.47	-1,803.12	1,721.24	1,626.83	94.41	18.231		
4,100.00	4,089.41	4,078.32	4,077.81	10.06	88.01	55.094	-258.77	-1,803.12	1,714.07	1,617.42	96.65	17.735		
4,200.00	4,188.64	4,178.00	4,177.46	10.38	90.11	55.434	-258.86	-1,803.12	1,706.95	1,608.02	98.93	17.254		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 252-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,300.00	4,287.86	4,277.22	4,276.68	10.72	92.21	55.777	-258.86	-1,803.12	1,699.88	1,598.67	101.21	16.795		
4,400.00	4,387.08	4,376.32	4,375.76	11.06	94.30	56.156	-257.90	-1,803.12	1,692.83	1,589.34	103.49	16.357		
4,500.00	4,486.30	4,475.34	4,474.78	11.40	96.40	56.492	-258.26	-1,803.12	1,685.91	1,580.14	105.77	15.939		
4,600.00	4,585.53	4,574.94	4,574.35	11.75	98.46	56.825	-258.86	-1,803.12	1,679.05	1,571.03	108.02	15.543		
4,700.00	4,684.75	4,674.17	4,673.57	12.11	100.38	57.180	-258.86	-1,803.12	1,672.24	1,562.11	110.12	15.185		
4,800.00	4,783.97	4,773.39	4,772.79	12.47	102.32	57.538	-258.86	-1,803.12	1,665.49	1,553.24	112.25	14.838		
4,900.00	4,883.19	4,872.59	4,871.98	12.83	104.26	57.923	-258.14	-1,803.12	1,658.79	1,544.43	114.37	14.504		
5,000.00	4,982.42	4,971.80	4,971.19	13.20	106.19	58.278	-258.40	-1,803.12	1,652.18	1,535.69	116.49	14.183		
5,100.00	5,081.64	5,071.09	5,070.46	13.57	108.15	58.628	-258.86	-1,803.12	1,645.64	1,527.01	118.63	13.872		
5,200.00	5,180.86	5,170.31	5,169.68	13.94	110.19	58.998	-258.86	-1,803.12	1,639.15	1,518.30	120.85	13.563		
5,300.00	5,280.08	5,269.53	5,268.90	14.32	112.24	59.370	-258.86	-1,803.12	1,632.74	1,509.66	123.08	13.266		
5,400.00	5,379.31	5,368.79	5,368.16	14.70	114.28	59.763	-258.35	-1,803.12	1,626.41	1,501.11	125.30	12.980		
5,500.00	5,478.53	5,468.10	5,467.47	15.08	116.33	60.135	-258.54	-1,803.12	1,620.14	1,492.61	127.52	12.705		
5,600.00	5,577.75	5,567.24	5,566.57	15.46	118.39	60.504	-258.86	-1,803.12	1,613.93	1,484.17	129.76	12.438		
5,700.00	5,676.97	5,666.46	5,665.79	15.85	120.59	60.888	-258.86	-1,803.12	1,607.80	1,475.67	132.13	12.168		
5,800.00	5,776.20	5,765.69	5,765.02	16.23	122.79	61.274	-258.86	-1,803.12	1,601.75	1,467.24	134.50	11.908		
5,900.00	5,875.42	5,865.19	5,864.51	16.62	125.00	61.695	-258.01	-1,803.12	1,595.81	1,458.93	136.88	11.659		
6,000.00	5,974.64	5,964.84	5,964.15	17.01	127.21	62.071	-258.52	-1,803.12	1,589.88	1,450.62	139.26	11.417		
6,100.00	6,073.86	6,063.44	6,062.68	17.40	129.37	62.451	-258.86	-1,803.12	1,584.03	1,442.45	141.58	11.188		
6,200.00	6,173.09	6,162.66	6,161.91	17.80	131.52	62.849	-258.86	-1,803.12	1,578.28	1,434.39	143.88	10.969		
6,300.00	6,272.31	6,262.00	6,261.23	18.19	133.66	63.297	-257.59	-1,803.12	1,572.70	1,426.52	146.18	10.758		
6,400.00	6,371.53	6,361.90	6,361.12	18.59	135.82	63.692	-257.91	-1,803.12	1,567.09	1,418.59	148.50	10.553		
6,500.00	6,470.75	6,461.91	6,461.11	18.98	137.98	64.073	-258.69	-1,803.12	1,561.50	1,410.69	150.82	10.354		
6,600.00	6,569.98	6,559.63	6,558.80	19.38	140.03	64.470	-258.86	-1,803.12	1,556.05	1,403.03	153.01	10.169		
6,700.00	6,669.20	6,658.85	6,658.02	19.78	142.09	64.883	-258.86	-1,803.12	1,550.69	1,395.46	155.23	9.990		
6,800.00	6,768.42	6,758.30	6,757.46	20.18	144.16	65.326	-258.12	-1,803.12	1,545.50	1,388.06	157.44	9.817		
6,900.00	6,867.64	6,858.08	6,857.24	20.58	146.24	65.736	-258.39	-1,803.12	1,540.28	1,380.63	159.65	9.648		
7,000.00	6,966.88	6,956.58	6,955.70	20.97	148.29	66.112	-258.86	-1,803.12	1,535.15	1,373.33	161.82	9.487		
7,100.00	7,066.38	7,056.09	7,055.20	21.38	150.36	66.376	-258.86	-1,803.12	1,531.15	1,367.11	164.04	9.334		
7,200.00	7,166.17	7,156.24	7,155.34	21.74	152.45	66.576	-258.13	-1,803.12	1,528.69	1,362.43	166.26	9.195		
7,300.00	7,266.12	7,257.31	7,256.41	22.05	154.55	66.640	-258.55	-1,803.12	1,527.46	1,358.97	168.49	9.065		
7,399.93	7,366.05	7,355.81	7,354.87	22.10	156.83	-81.849	-258.86	-1,803.12	1,527.18	1,356.38	170.80	8.941 CC		
7,400.00	7,366.12	7,355.88	7,354.94	22.10	156.83	-81.863	-258.86	-1,803.12	1,527.34	1,356.54	170.80	8.942		
7,500.00	7,466.12	7,455.88	7,454.94	22.12	159.31	-81.863	-258.86	-1,803.12	1,527.34	1,354.01	173.33	8.812		
7,600.00	7,566.12	7,555.97	7,555.02	22.15	161.80	-81.823	-257.79	-1,803.12	1,527.49	1,351.65	175.84	8.687		
7,700.00	7,666.12	7,656.77	7,655.81	22.18	164.30	-81.831	-258.01	-1,803.12	1,527.46	1,349.07	178.39	8.563		
7,800.00	7,766.12	7,757.57	7,756.60	22.21	166.80	-81.853	-258.59	-1,803.12	1,527.38	1,346.44	180.93	8.442		
7,900.00	7,866.12	7,856.06	7,854.94	22.24	169.58	-81.863	-258.86	-1,803.12	1,527.34	1,343.57	183.77	8.311		
8,000.00	7,966.12	7,956.99	7,957.85	22.27	172.68	-81.850	-258.51	-1,803.12	1,527.39	1,340.49	186.90	8.172		
8,025.75	7,991.87	7,985.84	7,984.68	22.28	173.49	-81.865	-258.93	-1,803.12	1,527.33	1,339.61	187.72	8.136		
8,100.00	8,066.12	8,056.24	8,054.94	22.30	175.62	-81.863	-258.86	-1,803.12	1,527.34	1,337.45	189.89	8.043		
8,200.00	8,166.12	8,156.24	8,154.94	22.33	178.65	-81.863	-258.86	-1,803.12	1,527.34	1,334.37	192.97	7.915		
8,300.00	8,266.12	8,258.51	8,257.11	22.36	181.75	-81.779	-256.61	-1,803.12	1,527.66	1,331.56	196.10	7.790		
8,400.00	8,366.12	8,361.67	8,360.20	22.39	184.88	-81.843	-258.31	-1,803.12	1,527.43	1,328.15	199.28	7.665		
8,427.40	8,393.52	8,389.95	8,388.46	22.40	185.74	-81.869	-259.02	-1,803.12	1,527.33	1,327.18	200.15	7.631		
8,500.00	8,466.12	8,456.60	8,454.94	22.43	187.45	-81.863	-258.86	-1,803.12	1,527.34	1,325.44	201.90	7.565		
8,600.00	8,566.12	8,556.60	8,554.94	22.46	190.05	-81.863	-258.86	-1,803.12	1,527.34	1,322.79	204.55	7.467		
8,700.00	8,666.12	8,656.92	8,655.23	22.49	192.67	-81.793	-256.97	-1,803.12	1,527.61	1,320.41	207.20	7.373		
8,800.00	8,766.12	8,758.33	8,756.63	22.52	195.31	-81.810	-257.44	-1,803.12	1,527.54	1,317.66	209.89	7.278		
8,800.80	8,766.92	8,759.14	8,757.44	22.52	195.33	-171.642	-257.44	-1,803.12	1,527.54	1,317.64	209.91	7.277 ES		
8,900.00	8,865.87	8,859.51	8,857.78	22.43	197.94	-171.636	-258.52	-1,803.12	1,532.78	1,320.29	212.49	7.213 SF		
9,000.00	8,963.22	8,953.89	8,952.04	22.26	200.33	-171.434	-258.86	-1,803.12	1,554.81	1,339.99	214.82	7.238		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 252-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,100.00	9,055.22	9,045.89	9,044.04	22.07	202.64	-171.010	-258.86	-1,803.12	1,593.30	1,376.25	217.05	7.341	
9,200.00	9,139.06	9,129.74	9,127.88	21.91	204.74	-170.279	-258.86	-1,803.12	1,647.06	1,427.98	219.08	7.518	
9,300.00	9,212.22	9,202.89	9,201.04	21.82	206.57	-169.045	-258.86	-1,803.12	1,714.47	1,493.61	220.86	7.763	
9,400.00	9,272.45	9,263.12	9,261.27	21.85	208.08	-166.868	-258.86	-1,803.12	1,793.50	1,571.17	222.33	8.067	
9,500.00	9,317.93	9,308.61	9,306.75	22.05	209.22	-162.574	-258.86	-1,803.12	1,881.77	1,658.32	223.45	8.421	
9,600.00	9,347.29	9,337.96	9,336.11	22.46	209.95	-151.803	-258.86	-1,803.12	1,976.61	1,752.42	224.19	8.817	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 540-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	38.099	1,065.14	835.14	1,353.51					
100.00	100.00	95.82	95.82	0.79	3.38	38.099	1,065.14	835.14	1,353.51	1,349.33	4.17	324.537		
200.00	200.00	195.82	195.82	1.45	6.92	38.099	1,065.14	835.14	1,353.51	1,345.14	8.36	161.833		
300.00	300.00	295.82	295.82	1.89	10.45	38.099	1,065.14	835.14	1,353.51	1,341.16	12.34	109.668		
400.00	400.00	395.82	395.82	2.25	13.98	38.099	1,065.14	835.14	1,353.51	1,337.27	16.24	83.363		
500.00	500.00	495.82	495.82	2.57	17.52	38.099	1,065.14	835.14	1,353.51	1,333.42	20.08	67.396		
600.00	600.00	595.83	595.82	2.85	19.76	38.099	1,065.14	835.14	1,353.51	1,330.89	22.61	59.855		
700.00	700.00	696.49	696.48	3.11	21.00	38.091	1,065.43	835.14	1,353.74	1,329.63	24.11	56.146		
800.00	800.00	800.01	800.00	3.35	22.28	38.097	1,065.20	835.14	1,353.56	1,327.93	25.63	52.820		
850.29	850.29	846.12	846.11	3.46	24.16	38.099	1,065.14	835.14	1,353.51	1,325.88	27.62	48.998		
900.00	900.00	895.83	895.82	3.58	26.81	38.099	1,065.14	835.14	1,353.51	1,323.12	30.38	44.546		
1,000.00	1,000.00	995.83	995.82	3.79	32.14	38.099	1,065.14	835.14	1,353.51	1,317.58	35.93	37.674		
1,100.00	1,100.00	1,095.83	1,095.82	3.99	37.46	38.099	1,065.14	835.14	1,353.51	1,312.05	41.46	32.647		
1,200.00	1,200.00	1,195.83	1,195.82	4.19	42.79	38.099	1,065.14	835.14	1,353.51	1,306.52	46.98	28.809		
1,300.00	1,300.00	1,295.83	1,295.82	4.38	48.12	38.099	1,065.14	835.14	1,353.51	1,301.01	52.50	25.782		
1,400.00	1,400.00	1,396.02	1,396.01	4.56	53.46	38.083	1,065.72	835.14	1,353.96	1,295.94	58.02	23.336		
1,500.00	1,500.00	1,496.46	1,496.44	4.74	58.81	38.084	1,065.69	835.14	1,353.93	1,290.39	63.55	21.306		
1,600.00	1,600.00	1,596.89	1,596.88	4.91	64.16	38.086	1,065.61	835.14	1,353.87	1,284.80	69.07	19.601		
1,700.00	1,700.00	1,697.33	1,697.31	5.08	69.51	38.090	1,065.49	835.14	1,353.78	1,279.19	74.59	18.150		
1,800.00	1,800.00	1,797.77	1,797.75	5.24	74.86	38.094	1,065.32	835.14	1,353.65	1,273.55	80.10	16.899		
1,900.00	1,900.00	1,895.90	1,895.82	5.40	79.85	38.099	1,065.14	835.14	1,353.51	1,268.25	85.25	15.876		
2,000.00	2,000.00	1,995.90	1,995.82	5.56	81.15	38.099	1,065.14	835.14	1,353.51	1,266.80	86.70	15.611		
2,100.00	2,100.00	2,095.90	2,095.82	5.71	82.44	38.099	1,065.14	835.14	1,353.51	1,265.35	88.15	15.354		
2,200.00	2,200.00	2,197.89	2,197.79	5.86	83.76	38.071	1,066.20	835.14	1,354.34	1,264.71	89.63	15.111		
2,300.00	2,300.00	2,301.71	2,301.61	6.01	85.11	38.081	1,065.82	835.14	1,354.05	1,262.94	91.12	14.861		
2,400.00	2,400.00	2,405.54	2,405.43	6.16	86.45	38.100	1,065.07	835.14	1,353.49	1,260.88	92.61	14.615		
2,401.96	2,401.96	2,407.58	2,407.47	6.16	86.48	38.101	1,065.06	835.14	1,353.47	1,260.84	92.64	14.611 CC		
2,500.00	2,500.00	2,495.98	2,495.82	6.30	87.78	38.099	1,065.14	835.14	1,353.51	1,259.43	94.07	14.388 ES		
2,600.00	2,599.98	2,595.96	2,595.80	6.49	89.23	-173.410	1,065.14	835.14	1,355.24	1,259.52	95.72	14.159		
2,700.00	2,699.84	2,697.53	2,697.35	6.68	90.70	-173.452	1,066.21	835.14	1,361.28	1,263.91	97.37	13.980		
2,800.00	2,799.45	2,801.02	2,800.84	6.88	92.20	-173.467	1,065.86	835.14	1,369.68	1,270.61	99.07	13.826		
2,900.00	2,898.74	2,904.26	2,904.07	6.98	93.69	-173.492	1,065.15	835.14	1,380.93	1,280.27	100.66	13.719		
3,000.00	2,997.97	2,994.02	2,993.79	7.15	94.91	-173.545	1,065.14	835.14	1,393.26	1,291.22	102.05	13.653		
3,100.00	3,097.19	3,096.55	3,096.30	7.34	96.29	-173.617	1,065.69	835.14	1,406.07	1,302.45	103.62	13.570		
3,200.00	3,196.41	3,192.51	3,192.23	7.55	97.59	-173.658	1,065.14	835.14	1,418.00	1,312.87	105.12	13.489		
3,300.00	3,295.63	3,291.74	3,291.45	7.77	99.00	-173.713	1,065.14	835.14	1,430.37	1,323.61	106.76	13.398		
3,400.00	3,394.86	3,395.80	3,395.50	8.02	100.48	-173.781	1,065.60	835.14	1,443.12	1,334.64	108.48	13.303		
3,500.00	3,494.08	3,490.22	3,489.90	8.27	101.84	-173.820	1,065.14	835.14	1,455.12	1,345.02	110.10	13.217		
3,600.00	3,593.30	3,589.44	3,589.12	8.55	103.34	-173.872	1,065.14	835.14	1,467.49	1,355.63	111.87	13.118		
3,700.00	3,692.52	3,693.00	3,692.66	8.83	104.90	-173.940	1,065.71	835.14	1,480.33	1,366.62	113.71	13.018		
3,800.00	3,791.75	3,787.94	3,787.57	9.12	106.34	-173.974	1,065.14	835.14	1,492.24	1,376.80	115.44	12.926		
3,900.00	3,890.97	3,887.16	3,886.79	9.42	108.03	-174.024	1,065.14	835.14	1,504.62	1,387.19	117.43	12.812		
4,000.00	3,990.19	3,988.08	3,987.70	9.74	109.75	-174.091	1,065.88	835.14	1,517.59	1,398.13	119.47	12.703		
4,100.00	4,089.41	4,093.75	4,093.36	10.06	111.55	-174.132	1,065.46	835.14	1,529.66	1,408.07	121.59	12.581		
4,200.00	4,188.64	4,184.91	4,184.46	10.38	113.12	-174.169	1,065.14	835.14	1,541.76	1,418.28	123.48	12.486		
4,300.00	4,287.86	4,284.99	4,284.52	10.72	114.87	-174.236	1,066.07	835.14	1,554.89	1,429.33	125.56	12.384		
4,400.00	4,387.08	4,397.14	4,396.65	11.06	116.82	-174.274	1,065.42	835.14	1,566.81	1,438.96	127.85	12.255		
4,500.00	4,486.30	4,482.65	4,482.12	11.40	118.27	-174.306	1,065.14	835.14	1,578.92	1,449.27	129.64	12.179		
4,600.00	4,585.53	4,583.13	4,582.60	11.75	119.95	-174.365	1,065.77	835.14	1,591.81	1,460.13	131.68	12.089		
4,700.00	4,684.75	4,690.58	4,690.04	12.11	121.75	-174.403	1,065.32	835.14	1,603.86	1,470.03	133.83	11.984		
4,800.00	4,783.97	4,780.36	4,779.79	12.47	123.28	-174.438	1,065.14	835.14	1,616.08	1,480.36	135.72	11.908		
4,900.00	4,883.19	4,881.57	4,881.00	12.83	125.02	-174.494	1,065.75	835.14	1,628.95	1,491.13	137.82	11.820		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-INC-ONLY													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,982.42	4,989.44	4,988.86	13.20	126.86	-174.528	1,065.23	835.14	1,640.96	1,500.93	140.03	11.718	
5,100.00	5,081.64	5,078.07	5,077.46	13.57	128.41	-174.563	1,065.14	835.14	1,653.24	1,511.30	141.94	11.648	
5,200.00	5,180.86	5,181.04	5,180.42	13.94	130.20	-174.616	1,065.68	835.14	1,666.07	1,521.96	144.11	11.561	
5,300.00	5,280.08	5,276.56	5,275.90	14.32	131.87	-174.644	1,065.14	835.14	1,678.03	1,531.88	146.15	11.482	
5,400.00	5,379.31	5,375.78	5,375.13	14.70	133.64	-174.683	1,065.14	835.14	1,690.42	1,542.12	148.30	11.399	
5,500.00	5,478.53	5,478.47	5,477.80	15.08	135.48	-174.736	1,065.77	835.14	1,703.32	1,552.80	150.52	11.316	
5,600.00	5,577.75	5,585.88	5,585.21	15.46	137.40	-174.765	1,065.18	835.14	1,715.28	1,562.45	152.83	11.224	
5,700.00	5,676.97	5,673.50	5,672.79	15.85	138.98	-174.798	1,065.14	835.14	1,727.60	1,572.81	154.79	11.161	
5,800.00	5,776.20	5,776.34	5,775.63	16.23	140.84	-174.847	1,065.71	835.14	1,740.46	1,583.42	157.04	11.083	
5,900.00	5,875.42	5,884.94	5,884.22	16.62	142.81	-174.875	1,065.07	835.14	1,752.38	1,592.99	159.39	10.994	
6,000.00	5,974.64	5,971.21	5,970.46	17.01	144.39	-174.908	1,065.14	835.14	1,764.79	1,603.43	161.35	10.937	
6,100.00	6,073.86	6,075.26	6,074.50	17.40	146.29	-174.955	1,065.67	835.14	1,777.62	1,613.96	163.66	10.862	
6,200.00	6,173.09	6,169.70	6,168.91	17.80	148.02	-174.978	1,065.14	835.14	1,789.58	1,623.81	165.78	10.795	
6,300.00	6,272.31	6,268.92	6,268.13	18.19	149.87	-175.013	1,065.14	835.14	1,801.98	1,633.97	168.01	10.725	
6,400.00	6,371.53	6,373.61	6,372.81	18.59	151.81	-175.059	1,065.67	835.14	1,814.81	1,644.46	170.35	10.653	
6,500.00	6,470.75	6,467.41	6,466.57	18.98	153.55	-175.081	1,065.14	835.14	1,826.78	1,654.29	172.49	10.591	
6,600.00	6,569.98	6,566.63	6,565.80	19.38	155.41	-175.114	1,065.14	835.14	1,839.18	1,664.44	174.75	10.525	
6,700.00	6,669.20	6,672.45	6,671.60	19.78	157.39	-175.158	1,065.60	835.14	1,851.97	1,674.84	177.13	10.455	
6,800.00	6,768.42	6,765.12	6,764.24	20.18	159.13	-175.179	1,065.14	835.14	1,863.99	1,684.72	179.26	10.398	
6,900.00	6,867.64	6,864.34	6,863.46	20.58	161.00	-175.211	1,065.14	835.14	1,876.39	1,694.86	181.53	10.336	
7,000.00	6,966.88	6,975.55	6,974.66	20.97	163.09	-175.252	1,065.24	835.14	1,888.82	1,704.80	184.02	10.264	
7,100.00	7,066.38	7,063.12	7,062.20	21.38	164.76	-175.288	1,065.14	835.14	1,898.55	1,712.47	186.09	10.202	
7,200.00	7,166.17	7,164.54	7,163.61	21.74	166.70	-175.327	1,065.82	835.14	1,905.49	1,717.09	188.40	10.114	
7,300.00	7,266.12	7,273.84	7,272.91	22.05	168.80	-175.331	1,065.37	835.14	1,908.08	1,717.28	190.80	10.000	
7,400.00	7,366.12	7,362.91	7,361.94	22.10	170.51	36.177	1,065.14	835.14	1,908.06	1,715.51	192.55	9.909	
7,500.00	7,466.12	7,464.05	7,463.08	22.12	172.46	36.165	1,065.78	835.14	1,908.58	1,714.06	194.53	9.811	
7,600.00	7,566.12	7,574.03	7,573.05	22.15	174.57	36.173	1,065.35	835.14	1,908.26	1,711.58	196.68	9.702	
7,700.00	7,666.12	7,662.95	7,661.94	22.18	176.42	36.177	1,065.14	835.14	1,908.06	1,709.51	198.55	9.610	
7,800.00	7,766.12	7,771.25	7,770.23	22.21	178.74	36.172	1,065.43	835.14	1,908.31	1,707.41	200.90	9.499	
7,900.00	7,866.12	7,863.02	7,861.94	22.24	180.72	36.177	1,065.14	835.14	1,908.06	1,705.16	202.91	9.404	
8,000.00	7,966.12	7,967.16	7,966.07	22.27	182.97	36.160	1,066.12	835.14	1,908.86	1,703.66	205.20	9.303	
8,100.00	8,066.12	8,088.96	8,087.84	22.30	185.61	36.181	1,064.93	835.14	1,908.07	1,700.21	207.87	9.179	
8,108.72	8,074.84	8,099.58	8,098.46	22.30	185.84	36.184	1,064.75	835.14	1,907.95	1,699.85	208.10	9.169	
8,200.00	8,166.12	8,163.09	8,161.94	22.33	187.03	36.177	1,065.14	835.14	1,908.06	1,698.75	209.31	9.116	
8,300.00	8,266.12	8,268.41	8,267.25	22.36	189.09	36.168	1,065.65	835.14	1,908.48	1,697.07	211.41	9.028	
8,400.00	8,366.12	8,363.14	8,361.94	22.39	190.93	36.177	1,065.14	835.14	1,908.06	1,694.79	213.27	8.947	
8,500.00	8,466.12	8,463.14	8,461.94	22.43	192.75	36.177	1,065.14	835.14	1,908.06	1,692.94	215.12	8.870	
8,600.00	8,566.12	8,569.53	8,568.33	22.46	194.68	36.168	1,065.64	835.14	1,908.48	1,691.39	217.09	8.791	
8,700.00	8,666.12	8,663.16	8,661.94	22.49	196.36	36.177	1,065.14	835.14	1,908.06	1,689.27	218.79	8.721	
8,800.00	8,766.12	8,763.16	8,761.94	22.52	198.03	36.177	1,065.14	835.14	1,908.06	1,687.57	220.49	8.654	
8,900.00	8,865.87	8,867.03	8,865.81	22.43	199.76	-54.065	1,065.33	835.14	1,905.00	1,682.86	222.14	8.576	
9,000.00	8,963.22	8,960.27	8,959.04	22.26	201.38	-55.669	1,065.14	835.14	1,891.75	1,668.18	223.57	8.462	
9,100.00	9,055.22	9,053.45	9,052.22	22.07	203.07	-58.557	1,065.38	835.14	1,869.54	1,644.47	225.07	8.306	
9,200.00	9,139.06	9,142.58	9,141.35	21.91	204.69	-62.712	1,065.16	835.14	1,839.02	1,612.48	226.54	8.118	
9,300.00	9,212.22	9,224.32	9,223.07	21.82	206.18	-68.023	1,065.10	835.14	1,802.58	1,574.63	227.95	7.908	
9,400.00	9,272.45	9,269.53	9,268.27	21.85	206.93	-73.403	1,065.14	835.14	1,762.23	1,533.50	228.73	7.704	
9,500.00	9,317.93	9,315.01	9,313.75	22.05	207.70	-79.284	1,065.14	835.14	1,720.48	1,490.76	229.71	7.490	
9,600.00	9,347.29	9,344.36	9,343.11	22.46	208.20	-84.721	1,065.14	835.14	1,679.74	1,449.10	230.63	7.283	
9,700.00	9,359.62	9,356.69	9,355.44	23.09	208.41	-89.212	1,065.14	835.14	1,642.24	1,410.76	231.48	7.094	
9,800.00	9,360.00	9,357.08	9,355.82	23.90	208.41	-90.000	1,065.14	835.14	1,609.73	1,377.42	232.31	6.929	
9,900.00	9,360.00	9,357.08	9,355.82	24.86	208.41	-90.000	1,065.14	835.14	1,582.87	1,349.60	233.27	6.786	
10,000.00	9,360.00	9,357.08	9,355.82	25.96	208.41	-90.000	1,065.14	835.14	1,561.96	1,327.62	234.34	6.665	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.00	9,360.00	9,357.08	9,355.82	27.17	208.41	-90.000	1,065.14	835.14	1,547.25	1,311.74	235.51	6.570	
10,200.00	9,360.00	9,357.08	9,355.82	28.49	208.41	-90.000	1,065.14	835.14	1,538.90	1,302.18	236.72	6.501	
10,278.75	9,360.00	9,357.08	9,355.82	29.60	208.41	-90.000	1,065.14	835.14	1,536.89	1,299.18	237.71	6.465	
10,300.00	9,360.00	9,357.08	9,355.82	29.90	208.41	-90.000	1,065.14	835.14	1,537.03	1,299.07	237.97	6.459	
10,400.00	9,360.00	9,357.08	9,355.82	31.39	208.41	-90.000	1,065.14	835.14	1,541.66	1,302.46	239.20	6.445 SF	
10,500.00	9,360.00	9,357.08	9,355.82	32.95	208.41	-90.000	1,065.14	835.14	1,552.73	1,312.33	240.40	6.459	
10,600.00	9,360.00	9,357.08	9,355.82	34.56	208.41	-90.000	1,065.14	835.14	1,570.10	1,328.57	241.53	6.501	
10,700.00	9,360.00	9,357.08	9,355.82	36.22	208.41	-90.000	1,065.14	835.14	1,593.57	1,350.98	242.59	6.569	
10,800.00	9,360.00	9,357.08	9,355.82	37.93	208.41	-90.000	1,065.14	835.14	1,622.87	1,379.31	243.56	6.663	
10,900.00	9,360.00	9,357.08	9,355.82	39.67	208.41	-90.000	1,065.14	835.14	1,657.70	1,413.27	244.43	6.782	
11,000.00	9,360.00	9,357.08	9,355.82	41.44	208.41	-90.000	1,065.14	835.14	1,697.71	1,452.50	245.20	6.924	
11,100.00	9,360.00	9,357.08	9,355.82	43.24	208.41	-90.000	1,065.14	835.14	1,742.54	1,496.67	245.88	7.087	
11,200.00	9,360.00	9,357.08	9,355.82	45.06	208.41	-90.000	1,065.14	835.14	1,791.85	1,545.39	246.46	7.270	
11,300.00	9,360.00	9,357.08	9,355.82	46.91	208.41	-90.000	1,065.14	835.14	1,845.25	1,598.30	246.96	7.472	
11,400.00	9,360.00	9,357.08	9,355.82	48.77	208.41	-90.000	1,065.14	835.14	1,902.42	1,655.05	247.37	7.690	
11,500.00	9,360.00	9,357.08	9,355.82	50.65	208.41	-90.000	1,065.14	835.14	1,963.02	1,715.30	247.72	7.924	
11,600.00	9,360.00	9,357.08	9,355.82	52.55	208.41	-90.000	1,065.14	835.14	2,026.75	1,778.74	248.01	8.172	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W11) HULKSTER 004 - 39571 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 275-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		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)			
10,300.00	9,360.00	9,367.70	9,364.82	29.90	223.51	-90.000	1,067.60	2,153.77	2,010.21	1,760.00	250.21	8.034	
10,400.00	9,360.00	9,367.70	9,364.82	31.39	223.51	-90.000	1,067.60	2,153.77	1,947.17	1,695.46	251.71	7.736	
10,500.00	9,360.00	9,367.70	9,364.82	32.95	223.51	-90.000	1,067.60	2,153.77	1,887.33	1,633.97	253.35	7.449	
10,600.00	9,360.00	9,367.70	9,364.82	34.56	223.51	-90.000	1,067.60	2,153.77	1,830.99	1,575.85	255.14	7.176	
10,700.00	9,360.00	9,367.70	9,364.82	36.22	223.51	-90.000	1,067.60	2,153.77	1,778.49	1,521.44	257.06	6.919	
10,800.00	9,360.00	9,367.70	9,364.82	37.93	223.51	-90.000	1,067.60	2,153.77	1,730.19	1,471.10	259.09	6.678	
10,900.00	9,360.00	9,367.70	9,364.82	39.67	223.51	-90.000	1,067.60	2,153.77	1,686.44	1,425.23	261.22	6.456	
11,000.00	9,360.00	9,367.70	9,364.82	41.44	223.51	-90.000	1,067.60	2,153.77	1,647.61	1,384.20	263.41	6.255	
11,100.00	9,360.00	9,367.70	9,364.82	43.24	223.51	-90.000	1,067.60	2,153.77	1,614.04	1,348.40	265.64	6.076	
11,200.00	9,360.00	9,367.70	9,364.82	45.06	223.51	-90.000	1,067.60	2,153.77	1,586.08	1,318.21	267.87	5.921	
11,300.00	9,360.00	9,367.70	9,364.82	46.91	223.51	-90.000	1,067.60	2,153.77	1,564.03	1,293.97	270.06	5.791	
11,400.00	9,360.00	9,367.70	9,364.82	48.77	223.51	-90.000	1,067.60	2,153.77	1,548.13	1,275.96	272.17	5.688	
11,500.00	9,360.00	9,367.70	9,364.82	50.65	223.51	-90.000	1,067.60	2,153.77	1,538.58	1,264.41	274.16	5.612	
11,597.39	9,360.00	9,367.70	9,364.82	52.50	223.51	-90.000	1,067.60	2,153.77	1,535.49	1,259.53	275.96	5.564 CC	
11,600.00	9,360.00	9,367.70	9,364.82	52.55	223.51	-90.000	1,067.60	2,153.77	1,535.49	1,259.49	276.00	5.563 ES	
11,700.00	9,360.00	9,367.70	9,364.82	54.45	223.51	-90.000	1,067.60	2,153.77	1,538.92	1,261.26	277.66	5.542 SF	
11,800.00	9,360.00	9,367.70	9,364.82	56.37	223.51	-90.000	1,067.60	2,153.77	1,548.80	1,269.69	279.12	5.549	
11,900.00	9,360.00	9,367.70	9,364.82	58.30	223.51	-90.000	1,067.60	2,153.77	1,565.03	1,284.67	280.35	5.582	
12,000.00	9,360.00	9,367.70	9,364.82	60.24	223.51	-90.000	1,067.60	2,153.77	1,587.40	1,306.03	281.37	5.642	
12,100.00	9,360.00	9,367.70	9,364.82	62.19	223.51	-90.000	1,067.60	2,153.77	1,615.66	1,333.49	282.17	5.726	
12,200.00	9,360.00	9,367.70	9,364.82	64.15	223.51	-90.000	1,067.60	2,153.77	1,649.51	1,366.74	282.77	5.833	
12,300.00	9,360.00	9,367.70	9,364.82	66.11	223.51	-90.000	1,067.60	2,153.77	1,688.61	1,405.43	283.18	5.963	
12,400.00	9,360.00	9,367.70	9,364.82	68.08	223.51	-90.000	1,067.60	2,153.77	1,732.60	1,449.18	283.42	6.113	
12,500.00	9,360.00	9,367.70	9,364.82	70.06	223.51	-90.000	1,067.60	2,153.77	1,781.13	1,497.62	283.51	6.282	
12,600.00	9,360.00	9,367.70	9,364.82	72.04	223.51	-90.000	1,067.60	2,153.77	1,833.84	1,550.35	283.48	6.469	
12,700.00	9,360.00	9,367.70	9,364.82	74.02	223.51	-90.000	1,067.60	2,153.77	1,890.37	1,607.02	283.35	6.672	
12,800.00	9,360.00	9,367.70	9,364.82	76.01	223.51	-90.000	1,067.60	2,153.77	1,950.39	1,667.26	283.13	6.889	
12,900.00	9,360.00	9,367.70	9,364.82	78.01	223.51	-90.000	1,067.60	2,153.77	2,013.59	1,730.75	282.84	7.119	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W12) HULKSTER 005 - 39572 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 235-INC-ONLY												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,600.00	9,347.29	9,342.49	9,341.11	22.46	202.84	-27.203	-252.31	2,163.09	2,013.53	1,794.94	218.58	9.212	
9,700.00	9,359.62	9,354.82	9,353.44	23.09	203.10	-72.139	-252.31	2,163.09	1,915.02	1,696.14	218.88	8.749	
9,800.00	9,360.00	9,355.20	9,353.82	23.90	203.10	-90.000	-252.31	2,163.09	1,815.69	1,596.72	218.97	8.292	
9,900.00	9,360.00	9,355.20	9,353.82	24.86	203.10	-90.000	-252.31	2,163.09	1,716.44	1,497.37	219.07	7.835	
10,000.00	9,360.00	9,355.20	9,353.82	25.96	203.10	-90.000	-252.31	2,163.09	1,617.28	1,398.08	219.20	7.378	
10,100.00	9,360.00	9,355.20	9,353.82	27.17	203.10	-90.000	-252.31	2,163.09	1,518.23	1,298.88	219.35	6.921	
10,200.00	9,360.00	9,355.20	9,353.82	28.49	203.10	-90.000	-252.31	2,163.09	1,419.32	1,199.78	219.54	6.465	
10,300.00	9,360.00	9,355.20	9,353.82	29.90	203.10	-90.000	-252.31	2,163.09	1,320.56	1,100.80	219.76	6.009	
10,400.00	9,360.00	9,355.20	9,353.82	31.39	203.10	-90.000	-252.31	2,163.09	1,222.01	1,001.97	220.05	5.553	
10,500.00	9,360.00	9,355.20	9,353.82	32.95	203.10	-90.000	-252.31	2,163.09	1,123.72	903.32	220.40	5.098	
10,600.00	9,360.00	9,355.20	9,353.82	34.56	203.10	-90.000	-252.31	2,163.09	1,025.76	804.90	220.86	4.644	
10,700.00	9,360.00	9,355.20	9,353.82	36.22	203.10	-90.000	-252.31	2,163.09	928.23	706.77	221.46	4.191	
10,800.00	9,360.00	9,355.20	9,353.82	37.93	203.10	-90.000	-252.31	2,163.09	831.29	609.04	222.25	3.740	
10,900.00	9,360.00	9,355.20	9,353.82	39.67	203.10	-90.000	-252.31	2,163.09	735.16	511.84	223.32	3.292	
11,000.00	9,360.00	9,355.20	9,353.82	41.44	203.10	-90.000	-252.31	2,163.09	640.23	415.41	224.82	2.848	
11,100.00	9,360.00	9,355.20	9,353.82	43.24	203.10	-90.000	-252.31	2,163.09	547.11	320.15	226.96	2.411	
11,200.00	9,360.00	9,355.20	9,353.82	45.06	203.10	-90.000	-252.31	2,163.09	456.90	226.80	230.10	1.986	Level 3
11,300.00	9,360.00	9,355.20	9,353.82	46.91	203.10	-90.000	-252.31	2,163.09	371.73	136.94	234.79	1.583	Level 3
11,400.00	9,360.00	9,355.20	9,353.82	48.77	203.10	-90.000	-252.31	2,163.09	296.00	54.34	241.66	1.225	Level 3
11,500.00	9,360.00	9,355.20	9,353.82	50.65	203.10	-90.000	-252.31	2,163.09	238.84	-11.39	250.23	0.954	Level 3
11,600.00	9,360.00	9,355.20	9,353.82	52.55	203.10	-90.000	-252.31	2,163.09	215.58	-40.04	255.62	0.843	Level 3
11,602.85	9,360.00	9,355.20	9,353.82	52.60	203.10	-90.000	-252.31	2,163.09	215.56	-40.09	255.65	0.843	Level 3, CC, ES, SF
11,700.00	9,360.00	9,355.20	9,353.82	54.45	203.10	-90.000	-252.31	2,163.09	236.44	-15.76	252.20	0.937	Level 3
11,800.00	9,360.00	9,355.20	9,353.82	56.37	203.10	-90.000	-252.31	2,163.09	292.12	47.57	244.55	1.195	Level 3
11,900.00	9,360.00	9,355.20	9,353.82	58.30	203.10	-90.000	-252.31	2,163.09	367.10	129.14	237.96	1.543	Level 3
12,000.00	9,360.00	9,355.20	9,353.82	60.24	203.10	-90.000	-252.31	2,163.09	451.88	218.57	233.30	1.937	Level 3
12,100.00	9,360.00	9,355.20	9,353.82	62.19	203.10	-90.000	-252.31	2,163.09	541.87	311.75	230.12	2.355	
12,200.00	9,360.00	9,355.20	9,353.82	64.15	203.10	-90.000	-252.31	2,163.09	634.86	406.95	227.91	2.786	
12,300.00	9,360.00	9,355.20	9,353.82	66.11	203.10	-90.000	-252.31	2,163.09	729.71	503.37	226.35	3.224	
12,400.00	9,360.00	9,355.20	9,353.82	68.08	203.10	-90.000	-252.31	2,163.09	825.78	600.57	225.21	3.667	
12,500.00	9,360.00	9,355.20	9,353.82	70.06	203.10	-90.000	-252.31	2,163.09	922.68	698.32	224.36	4.112	
12,600.00	9,360.00	9,355.20	9,353.82	72.04	203.10	-90.000	-252.31	2,163.09	1,020.18	796.46	223.73	4.560	
12,700.00	9,360.00	9,355.20	9,353.82	74.02	203.10	-90.000	-252.31	2,163.09	1,118.12	894.88	223.24	5.009	
12,800.00	9,360.00	9,355.20	9,353.82	76.01	203.10	-90.000	-252.31	2,163.09	1,216.40	993.54	222.87	5.458	
12,900.00	9,360.00	9,355.20	9,353.82	78.01	203.10	-90.000	-252.31	2,163.09	1,314.94	1,092.36	222.57	5.908	
13,000.00	9,360.00	9,355.20	9,353.82	80.01	203.10	-90.000	-252.31	2,163.09	1,413.68	1,191.33	222.35	6.358	
13,100.00	9,360.00	9,355.20	9,353.82	82.01	203.10	-90.000	-252.31	2,163.09	1,512.59	1,290.41	222.17	6.808	
13,200.00	9,360.00	9,355.20	9,353.82	84.02	203.10	-90.000	-252.31	2,163.09	1,611.63	1,389.59	222.04	7.258	
13,300.00	9,360.00	9,355.20	9,353.82	86.02	203.10	-90.000	-252.31	2,163.09	1,710.78	1,488.85	221.94	7.708	
13,400.00	9,360.00	9,355.20	9,353.82	88.04	203.10	-90.000	-252.31	2,163.09	1,810.03	1,588.17	221.86	8.158	
13,500.00	9,360.00	9,355.20	9,353.82	90.05	203.10	-90.000	-252.31	2,163.09	1,909.36	1,687.55	221.81	8.608	
13,600.00	9,360.00	9,355.20	9,353.82	92.07	203.10	-90.000	-252.31	2,163.09	2,008.75	1,786.98	221.77	9.058	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W14) KEEL A FEDERAL 003 - 33340 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 218-INC-ONLY												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
13,300.00	9,360.00	9,351.98	9,349.82	86.02	214.42	-90.000	-442.18	5,909.50	2,048.74	1,817.66	231.07	8.866	
13,400.00	9,360.00	9,351.98	9,349.82	88.04	214.42	-90.000	-442.18	5,909.50	1,948.74	1,717.58	231.16	8.430	
13,500.00	9,360.00	9,351.98	9,349.82	90.05	214.42	-90.000	-442.18	5,909.50	1,848.74	1,617.50	231.24	7.995	
13,600.00	9,360.00	9,351.98	9,349.82	92.07	214.42	-90.000	-442.18	5,909.50	1,748.74	1,517.41	231.33	7.559	
13,700.00	9,360.00	9,351.98	9,349.82	94.08	214.42	-90.000	-442.18	5,909.50	1,648.75	1,417.32	231.43	7.124	
13,800.00	9,360.00	9,351.98	9,349.82	96.11	214.42	-90.000	-442.18	5,909.50	1,548.75	1,317.23	231.52	6.689	
13,900.00	9,360.00	9,351.98	9,349.82	98.13	214.42	-90.000	-442.18	5,909.50	1,448.76	1,217.14	231.62	6.255	
14,000.00	9,360.00	9,351.98	9,349.82	100.15	214.42	-90.000	-442.18	5,909.50	1,348.76	1,117.04	231.72	5.821	
14,100.00	9,360.00	9,351.98	9,349.82	102.18	214.42	-90.000	-442.18	5,909.50	1,248.77	1,016.94	231.83	5.387	
14,200.00	9,360.00	9,351.98	9,349.82	104.21	214.42	-90.000	-442.18	5,909.50	1,148.78	916.84	231.94	4.953	
14,300.00	9,360.00	9,351.98	9,349.82	106.24	214.42	-90.000	-442.18	5,909.50	1,048.79	816.73	232.05	4.520	
14,400.00	9,360.00	9,351.98	9,349.82	108.27	214.42	-90.000	-442.18	5,909.50	948.80	716.62	232.17	4.087	
14,500.00	9,360.00	9,351.98	9,349.82	110.30	214.42	-90.000	-442.18	5,909.50	848.81	616.50	232.31	3.654	
14,600.00	9,360.00	9,351.98	9,349.82	112.34	214.42	-90.000	-442.18	5,909.50	748.83	516.37	232.46	3.221	
14,700.00	9,360.00	9,351.98	9,349.82	114.38	214.42	-90.000	-442.18	5,909.50	648.85	416.22	232.63	2.789	
14,800.00	9,360.00	9,351.98	9,349.82	116.41	214.42	-90.000	-442.18	5,909.50	548.88	316.04	232.84	2.357	
14,900.00	9,360.00	9,351.98	9,349.82	118.45	214.42	-90.000	-442.18	5,909.50	448.92	215.79	233.13	1.926 Level 3	
15,000.00	9,360.00	9,351.98	9,349.82	120.49	214.42	-90.000	-442.18	5,909.50	348.99	115.41	233.58	1.494 Level 3	
15,100.00	9,360.00	9,351.98	9,349.82	122.53	214.42	-90.000	-442.18	5,909.50	249.12	14.65	234.47	1.062 Level 3	
15,200.00	9,360.00	9,351.98	9,349.82	124.57	214.42	-90.000	-442.18	5,909.50	149.41	-87.68	237.09	0.630 Level 3	
15,300.00	9,360.00	9,351.98	9,349.82	126.61	214.42	-90.000	-442.18	5,909.50	50.86	-205.27	256.13	0.199 Level 3	
15,348.68	9,360.00	9,351.98	9,349.82	127.61	214.42	-90.000	-442.18	5,909.50	14.73	-327.30	342.03	0.043 Level 3, CC, ES, SF	
15,400.00	9,360.00	9,351.98	9,349.82	128.66	214.42	-90.000	-442.18	5,909.50	53.39	-199.75	253.14	0.211 Level 3	
15,500.00	9,360.00	9,351.98	9,349.82	130.70	214.42	-90.000	-442.18	5,909.50	152.03	-84.23	236.26	0.643 Level 3	
15,600.00	9,360.00	9,351.98	9,349.82	132.75	214.42	-90.000	-442.18	5,909.50	251.75	17.46	234.29	1.075 Level 3	
15,700.00	9,360.00	9,351.98	9,349.82	134.79	214.42	-90.000	-442.18	5,909.50	351.63	117.82	233.81	1.504 Level 3	
15,800.00	9,360.00	9,351.98	9,349.82	136.84	214.42	-90.000	-442.18	5,909.50	451.56	217.87	233.69	1.932 Level 3	
15,900.00	9,360.00	9,351.98	9,349.82	138.88	214.42	-90.000	-442.18	5,909.50	551.51	317.83	233.69	2.360	
16,000.00	9,360.00	9,351.98	9,349.82	140.93	214.42	-90.000	-442.18	5,909.50	651.48	417.74	233.74	2.787	
16,100.00	9,360.00	9,351.98	9,349.82	142.98	214.42	-90.000	-442.18	5,909.50	751.46	517.64	233.82	3.214	
16,200.00	9,360.00	9,351.98	9,349.82	145.03	214.42	-90.000	-442.18	5,909.50	851.45	617.53	233.92	3.640	
16,300.00	9,360.00	9,351.98	9,349.82	147.08	214.42	-90.000	-442.18	5,909.50	951.43	717.41	234.02	4.066	
16,400.00	9,360.00	9,351.98	9,349.82	149.13	214.42	-90.000	-442.18	5,909.50	1,051.42	817.29	234.13	4.491	
16,500.00	9,360.00	9,351.98	9,349.82	151.18	214.42	-90.000	-442.18	5,909.50	1,151.41	917.17	234.24	4.915	
16,600.00	9,360.00	9,351.98	9,349.82	153.23	214.42	-90.000	-442.18	5,909.50	1,251.40	1,017.05	234.36	5.340	
16,700.00	9,360.00	9,351.98	9,349.82	155.28	214.42	-90.000	-442.18	5,909.50	1,351.40	1,116.92	234.48	5.763	
16,800.00	9,360.00	9,351.98	9,349.82	157.33	214.42	-90.000	-442.18	5,909.50	1,451.39	1,216.80	234.60	6.187	
16,900.00	9,360.00	9,351.98	9,349.82	159.39	214.42	-90.000	-442.18	5,909.50	1,551.39	1,316.67	234.72	6.610	
17,000.00	9,360.00	9,351.98	9,349.82	161.44	214.42	-90.000	-442.18	5,909.50	1,651.38	1,416.54	234.84	7.032	
17,100.00	9,360.00	9,351.98	9,349.82	163.49	214.42	-90.000	-442.18	5,909.50	1,751.38	1,516.41	234.97	7.454	
17,200.00	9,360.00	9,351.98	9,349.82	165.55	214.42	-90.000	-442.18	5,909.50	1,851.38	1,616.29	235.09	7.875	
17,300.00	9,360.00	9,351.98	9,349.82	167.60	214.42	-90.000	-442.18	5,909.50	1,951.37	1,716.16	235.22	8.296	
17,400.00	9,360.00	9,351.98	9,349.82	169.66	214.42	-90.000	-442.18	5,909.50	2,051.37	1,816.03	235.34	8.716	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 229-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	151.654	-1,573.25	848.75	1,787.62					
100.00	100.00	89.82	89.82	0.79	1.86	151.654	-1,573.25	848.75	1,787.59	1,784.95	2.64	676.500		
200.00	200.00	189.82	189.82	1.45	3.92	151.654	-1,573.25	848.75	1,787.59	1,782.22	5.37	332.880		
300.00	300.00	289.83	289.82	1.89	5.90	151.654	-1,573.25	848.75	1,787.59	1,779.80	7.79	229.474		
339.69	339.69	329.51	329.50	2.04	6.66	151.649	-1,572.92	848.75	1,787.30	1,778.61	8.69	205.597		
400.00	400.00	384.23	384.22	2.25	7.71	151.650	-1,573.02	848.75	1,787.40	1,777.44	9.96	179.477		
500.00	500.00	489.84	489.82	2.57	10.23	151.654	-1,573.25	848.75	1,787.59	1,774.79	12.80	139.670		
600.00	600.00	589.84	589.82	2.85	12.99	151.654	-1,573.25	848.75	1,787.59	1,771.76	15.84	112.873		
683.42	683.42	673.20	673.18	3.07	15.29	151.646	-1,572.73	848.75	1,787.13	1,768.78	18.35	97.388		
700.00	700.00	689.32	689.30	3.11	15.73	151.646	-1,572.73	848.75	1,787.13	1,768.30	18.84	94.869		
800.00	800.00	786.55	786.53	3.35	18.41	151.648	-1,572.85	848.75	1,787.24	1,765.48	21.76	82.138		
900.00	900.00	883.79	883.77	3.58	21.09	151.652	-1,573.14	848.75	1,787.50	1,762.84	24.67	72.470		
1,000.00	1,000.00	989.85	989.82	3.79	23.55	151.654	-1,573.25	848.75	1,787.59	1,760.26	27.34	65.392		
1,100.00	1,100.00	1,089.85	1,089.82	3.99	25.70	151.654	-1,573.25	848.75	1,787.59	1,757.90	29.70	60.193		
1,172.94	1,172.94	1,162.75	1,162.72	4.14	27.28	151.650	-1,572.98	848.75	1,787.36	1,755.94	31.41	56.899		
1,200.00	1,200.00	1,189.45	1,189.42	4.19	27.85	151.650	-1,572.98	848.75	1,787.36	1,755.32	32.04	55.782		
1,300.00	1,300.00	1,288.09	1,288.06	4.38	29.98	151.651	-1,573.05	848.75	1,787.42	1,753.06	34.36	52.024		
1,400.00	1,400.00	1,386.73	1,386.70	4.56	32.10	151.653	-1,573.20	848.75	1,787.56	1,750.89	36.67	48.751		
1,500.00	1,500.00	1,489.85	1,489.82	4.74	34.24	151.654	-1,573.25	848.75	1,787.59	1,748.61	38.98	45.858		
1,600.00	1,600.00	1,589.85	1,589.82	4.91	36.29	151.654	-1,573.25	848.75	1,787.59	1,746.39	41.20	43.387		
1,667.78	1,667.78	1,657.64	1,657.60	5.03	37.68	151.650	-1,572.98	848.75	1,787.36	1,744.65	42.70	41.856		
1,700.00	1,700.00	1,689.41	1,689.38	5.08	38.33	151.650	-1,572.98	848.75	1,787.36	1,743.95	43.41	41.176		
1,800.00	1,800.00	1,788.05	1,788.02	5.24	40.35	151.651	-1,573.06	848.75	1,787.42	1,741.83	45.59	39.205		
1,900.00	1,900.00	1,886.69	1,886.66	5.40	42.37	151.653	-1,573.21	848.75	1,787.56	1,739.79	47.77	37.419		
2,000.00	2,000.00	1,989.87	1,989.82	5.56	44.55	151.654	-1,573.25	848.75	1,787.59	1,737.48	50.11	35.671		
2,100.00	2,100.00	2,089.87	2,089.82	5.71	46.69	151.654	-1,573.25	848.75	1,787.59	1,735.19	52.40	34.115		
2,183.52	2,183.52	2,173.25	2,173.19	5.84	48.47	151.641	-1,572.39	848.75	1,786.83	1,732.53	54.30	32.904		
2,200.00	2,200.00	2,189.11	2,189.05	5.86	48.80	151.641	-1,572.39	848.75	1,786.84	1,732.17	54.67	32.686		
2,300.00	2,300.00	2,285.36	2,285.30	6.01	50.86	151.643	-1,572.56	848.75	1,786.99	1,730.12	56.87	31.423		
2,400.00	2,400.00	2,381.61	2,381.55	6.16	52.91	151.649	-1,572.95	848.75	1,787.35	1,728.28	59.07	30.260		
2,500.00	2,500.00	2,489.92	2,489.82	6.30	55.15	151.654	-1,573.25	848.75	1,787.59	1,726.15	61.44	29.093		
2,600.00	2,599.98	2,589.90	2,589.80	6.49	57.14	-59.914	-1,573.25	848.75	1,786.72	1,723.14	63.58	28.103		
2,700.00	2,699.84	2,688.73	2,688.63	6.68	59.12	-60.114	-1,572.50	848.75	1,783.44	1,717.77	65.67	27.159		
2,800.00	2,799.45	2,784.17	2,784.07	6.88	61.02	-60.414	-1,572.69	848.75	1,779.28	1,711.59	67.69	26.285		
2,900.00	2,898.74	2,879.36	2,879.25	6.98	62.93	-60.780	-1,573.13	848.75	1,773.83	1,704.19	69.64	25.472		
3,000.00	2,997.97	2,987.94	2,987.78	7.15	65.21	-61.161	-1,573.25	848.75	1,767.84	1,695.80	72.04	24.539		
3,100.00	3,097.19	3,087.16	3,087.01	7.34	67.33	-61.514	-1,573.25	848.75	1,761.83	1,687.56	74.27	23.721		
3,200.00	3,196.41	3,184.54	3,184.38	7.55	69.40	-61.879	-1,572.18	848.75	1,754.96	1,678.49	76.47	22.950		
3,300.00	3,295.63	3,278.87	3,278.70	7.77	71.41	-62.214	-1,572.44	848.75	1,749.34	1,670.74	78.60	22.255		
3,400.00	3,394.86	3,373.26	3,373.08	8.02	73.42	-62.547	-1,573.02	848.75	1,744.07	1,663.32	80.75	21.600		
3,500.00	3,494.08	3,484.13	3,483.90	8.27	75.82	-62.947	-1,573.25	848.75	1,738.49	1,655.21	83.28	20.874		
3,600.00	3,593.30	3,583.35	3,583.12	8.55	77.98	-63.311	-1,573.25	848.75	1,732.83	1,647.24	85.59	20.246		
3,700.00	3,692.52	3,681.01	3,680.77	8.83	80.11	-63.691	-1,572.18	848.75	1,726.33	1,638.48	87.86	19.649		
3,800.00	3,791.75	3,775.46	3,775.22	9.12	82.17	-64.037	-1,572.44	848.75	1,721.05	1,630.99	90.06	19.110		
3,900.00	3,890.97	3,869.99	3,869.73	9.42	84.23	-64.381	-1,573.01	848.75	1,716.11	1,623.85	92.26	18.600		
4,000.00	3,990.19	3,980.34	3,980.01	9.74	86.46	-64.791	-1,573.25	848.75	1,710.91	1,616.27	94.64	18.078		
4,100.00	4,089.41	4,078.98	4,078.64	10.06	88.40	-65.182	-1,572.31	848.75	1,704.83	1,608.10	96.72	17.626		
4,200.00	4,188.64	4,170.10	4,169.76	10.38	90.19	-65.524	-1,572.61	848.75	1,699.88	1,601.22	98.66	17.230		
4,300.00	4,287.86	4,278.06	4,277.68	10.72	92.32	-65.926	-1,573.25	848.75	1,695.24	1,594.30	100.94	16.795		
4,400.00	4,387.08	4,377.28	4,376.90	11.06	94.31	-66.308	-1,573.25	848.75	1,690.17	1,587.10	103.07	16.398		
4,500.00	4,486.30	4,476.50	4,476.12	11.40	96.30	-66.693	-1,573.25	848.75	1,685.17	1,579.97	105.21	16.018		
4,600.00	4,585.53	4,572.73	4,572.34	11.75	98.22	-67.083	-1,572.54	848.75	1,679.68	1,572.40	107.28	15.657		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 229-INC-ONLY												Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.00	4,684.75	4,668.52	4,668.13	12.11	100.14	-67.452	-1,572.87	848.75	1,675.12	1,565.78	109.34	15.320	
4,800.00	4,783.97	4,774.21	4,773.79	12.47	102.25	-67.862	-1,573.25	848.75	1,670.65	1,559.05	111.60	14.969	
4,900.00	4,883.19	4,873.44	4,873.01	12.83	104.24	-68.255	-1,573.25	848.75	1,665.97	1,552.24	113.73	14.648	
5,000.00	4,982.42	4,972.66	4,972.24	13.20	106.23	-68.651	-1,573.25	848.75	1,661.37	1,545.51	115.86	14.339	
5,100.00	5,081.64	5,068.92	5,068.49	13.57	108.15	-69.052	-1,572.54	848.75	1,656.29	1,538.36	117.93	14.045	
5,200.00	5,180.86	5,164.86	5,164.43	13.94	110.07	-69.432	-1,572.88	848.75	1,652.13	1,532.13	119.99	13.769	
5,300.00	5,280.08	5,270.37	5,269.90	14.32	112.21	-69.852	-1,573.25	848.75	1,648.05	1,525.79	122.27	13.479	
5,400.00	5,379.31	5,369.59	5,369.13	14.70	114.25	-70.257	-1,573.25	848.75	1,643.78	1,519.33	124.45	13.209	
5,500.00	5,478.53	5,468.81	5,468.35	15.08	116.29	-70.663	-1,573.25	848.75	1,639.59	1,512.96	126.63	12.948	
5,600.00	5,577.75	5,565.15	5,564.68	15.46	118.28	-71.075	-1,572.54	848.75	1,634.93	1,506.18	128.75	12.699	
5,700.00	5,676.97	5,661.23	5,660.75	15.85	120.26	-71.465	-1,572.88	848.75	1,631.18	1,500.32	130.86	12.465	
5,800.00	5,776.20	5,766.54	5,766.02	16.23	122.43	-71.895	-1,573.25	848.75	1,627.52	1,494.36	133.16	12.222	
5,900.00	5,875.42	5,865.76	5,865.24	16.62	124.47	-72.309	-1,573.25	848.75	1,623.67	1,488.33	135.34	11.997	
6,000.00	5,974.64	5,964.98	5,964.46	17.01	126.51	-72.726	-1,573.25	848.75	1,619.90	1,482.39	137.51	11.781	
6,100.00	6,073.86	6,060.54	6,060.00	17.40	128.48	-73.151	-1,572.30	848.75	1,615.52	1,475.92	139.60	11.572	
6,200.00	6,173.09	6,155.80	6,155.25	17.80	130.44	-73.543	-1,572.75	848.75	1,612.28	1,470.59	141.69	11.379	
6,300.00	6,272.31	6,262.71	6,262.13	18.19	132.70	-73.986	-1,573.25	848.75	1,609.13	1,465.06	144.07	11.169	
6,400.00	6,371.53	6,361.93	6,361.35	18.59	134.87	-74.410	-1,573.25	848.75	1,605.72	1,459.35	146.37	10.970	
6,500.00	6,470.75	6,461.16	6,460.57	18.98	137.05	-74.835	-1,573.25	848.75	1,602.39	1,453.73	148.67	10.779	
6,600.00	6,569.98	6,557.79	6,557.20	19.38	139.17	-75.269	-1,572.53	848.75	1,598.64	1,447.73	150.90	10.594	
6,700.00	6,669.20	6,654.15	6,653.56	19.78	141.29	-75.677	-1,572.87	848.75	1,595.75	1,442.61	153.14	10.420	
6,800.00	6,768.42	6,758.92	6,758.24	20.18	143.66	-76.122	-1,573.25	848.75	1,592.96	1,437.33	155.63	10.235	
6,900.00	6,867.64	6,858.15	6,857.46	20.58	146.05	-76.554	-1,573.25	848.75	1,590.00	1,431.86	158.13	10.055	
7,000.00	6,966.88	6,957.38	6,956.70	20.97	148.44	-76.972	-1,573.25	848.75	1,587.15	1,426.54	160.61	9.882	
7,100.00	7,066.38	7,052.16	7,051.44	21.38	150.72	-77.299	-1,571.80	848.75	1,583.93	1,420.92	163.01	9.717	
7,200.00	7,166.17	7,146.55	7,145.83	21.74	152.99	-77.478	-1,572.44	848.75	1,583.00	1,417.62	165.39	9.572	
7,300.00	7,266.12	7,256.80	7,255.94	22.05	155.65	-77.565	-1,573.25	848.75	1,582.90	1,414.75	168.15	9.414	
7,390.90	7,357.03	7,347.70	7,346.85	22.09	157.86	-77.585	-1,573.25	848.75	1,582.77	1,412.40	170.37	9.290	
7,400.00	7,366.12	7,356.79	7,355.94	22.10	158.08	133.933	-1,573.25	848.75	1,582.86	1,412.26	170.60	9.278	
7,500.00	7,466.12	7,456.79	7,455.94	22.12	160.51	133.933	-1,573.25	848.75	1,582.86	1,409.78	173.07	9.146	
7,540.09	7,506.21	7,495.37	7,494.49	22.14	161.44	133.890	-1,571.63	848.75	1,581.73	1,407.71	174.02	9.089	
7,600.00	7,566.12	7,552.05	7,551.17	22.15	162.82	133.895	-1,571.80	848.75	1,581.85	1,406.42	175.43	9.017	
7,700.00	7,666.12	7,646.67	7,645.77	22.18	165.12	133.912	-1,572.44	848.75	1,582.33	1,404.55	177.78	8.901	
7,800.00	7,766.12	7,756.97	7,755.94	22.21	167.83	133.933	-1,573.25	848.75	1,582.86	1,402.32	180.54	8.767	
7,900.00	7,866.12	7,856.97	7,855.94	22.24	170.35	133.933	-1,573.25	848.75	1,582.86	1,399.75	183.11	8.644	
8,000.00	7,966.12	7,956.97	7,955.94	22.27	172.87	133.933	-1,573.25	848.75	1,582.86	1,397.18	185.68	8.525	
8,040.12	8,006.24	7,995.59	7,994.54	22.28	173.84	133.890	-1,571.63	848.75	1,581.73	1,395.06	186.67	8.474	
8,100.00	8,066.12	8,052.25	8,051.19	22.30	175.27	133.895	-1,571.79	848.75	1,581.85	1,393.72	188.13	8.408	
8,200.00	8,166.12	8,146.87	8,145.81	22.33	177.65	133.911	-1,572.44	848.75	1,582.32	1,391.76	190.56	8.303	
8,300.00	8,266.12	8,257.17	8,255.94	22.36	180.43	133.933	-1,573.25	848.75	1,582.86	1,389.46	193.40	8.184	
8,400.00	8,366.12	8,357.17	8,355.94	22.39	182.97	133.933	-1,573.25	848.75	1,582.86	1,386.87	195.98	8.076	
8,500.00	8,466.12	8,457.17	8,455.94	22.43	185.50	133.933	-1,573.25	848.75	1,582.86	1,384.28	198.57	7.971	
8,540.16	8,506.28	8,495.61	8,494.35	22.44	186.48	133.883	-1,571.36	848.75	1,581.55	1,381.99	199.56	7.925	
8,600.00	8,566.12	8,551.73	8,550.46	22.46	187.90	133.888	-1,571.55	848.75	1,581.68	1,380.67	201.02	7.868	
8,700.00	8,666.12	8,645.51	8,644.23	22.49	190.27	133.907	-1,572.29	848.75	1,582.23	1,378.78	203.45	7.777	
8,800.00	8,766.12	8,757.37	8,755.94	22.52	193.05	133.933	-1,573.25	848.75	1,582.86	1,376.58	206.28	7.673	
8,900.00	8,865.87	8,857.12	8,855.69	22.43	195.43	44.512	-1,573.25	848.75	1,578.95	1,370.17	208.77	7.563	
9,000.00	8,963.22	8,954.47	8,953.04	22.26	197.75	46.231	-1,573.25	848.75	1,563.04	1,351.70	211.34	7.396	
9,100.00	9,055.22	9,042.33	9,040.88	22.07	199.84	49.259	-1,571.75	848.75	1,534.64	1,320.88	213.76	7.179	
9,200.00	9,139.06	9,121.66	9,120.19	21.91	201.73	53.754	-1,572.22	848.75	1,497.67	1,281.61	216.06	6.932	
9,300.00	9,212.22	9,190.88	9,189.40	21.82	203.38	59.652	-1,572.89	848.75	1,452.95	1,234.73	218.23	6.658	
9,400.00	9,272.45	9,263.84	9,262.27	21.85	205.09	67.281	-1,573.25	848.75	1,402.51	1,181.91	220.60	6.358	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 229-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,500.00	9,317.93	9,309.33	9,307.75	22.05	206.15	75.102	-1,573.25	848.75	1,349.28	1,126.77	222.50	6.064	
9,600.00	9,347.29	9,338.68	9,337.11	22.46	206.83	82.591	-1,573.25	848.75	1,296.49	1,072.23	224.27	5.781	
9,700.00	9,359.62	9,351.01	9,349.44	23.09	207.12	88.890	-1,573.25	848.75	1,247.07	1,021.21	225.86	5.521	
9,800.00	9,360.00	9,351.39	9,349.82	23.90	207.13	90.000	-1,573.25	848.75	1,203.44	976.04	227.40	5.292	
9,900.00	9,360.00	9,351.39	9,349.82	24.86	207.13	90.000	-1,573.25	848.75	1,166.76	937.63	229.13	5.092	
10,000.00	9,360.00	9,351.39	9,349.82	25.96	207.13	90.000	-1,573.25	848.75	1,137.72	906.71	231.01	4.925	
10,100.00	9,360.00	9,351.39	9,349.82	27.17	207.13	90.000	-1,573.25	848.75	1,116.90	883.94	232.97	4.794	
10,200.00	9,360.00	9,351.39	9,349.82	28.49	207.13	90.000	-1,573.25	848.75	1,104.78	869.87	234.92	4.703	
10,284.65	9,360.00	9,351.39	9,349.82	29.69	207.13	90.000	-1,573.25	848.75	1,101.54	865.02	236.51	4.657 CC	
10,300.00	9,360.00	9,351.39	9,349.82	29.90	207.13	90.000	-1,573.25	848.75	1,101.64	864.86	236.78	4.653 ES	
10,400.00	9,360.00	9,351.39	9,349.82	31.39	207.13	90.000	-1,573.25	848.75	1,107.56	869.06	238.50	4.644 SF	
10,500.00	9,360.00	9,351.39	9,349.82	32.95	207.13	90.000	-1,573.25	848.75	1,122.39	882.37	240.02	4.676	
10,600.00	9,360.00	9,351.39	9,349.82	34.56	207.13	90.000	-1,573.25	848.75	1,145.79	904.48	241.31	4.748	
10,700.00	9,360.00	9,351.39	9,349.82	36.22	207.13	90.000	-1,573.25	848.75	1,177.24	934.89	242.36	4.857	
10,800.00	9,360.00	9,351.39	9,349.82	37.93	207.13	90.000	-1,573.25	848.75	1,216.13	972.95	243.17	5.001	
10,900.00	9,360.00	9,351.39	9,349.82	39.67	207.13	90.000	-1,573.25	848.75	1,261.76	1,017.98	243.78	5.176	
11,000.00	9,360.00	9,351.39	9,349.82	41.44	207.13	90.000	-1,573.25	848.75	1,313.43	1,069.23	244.21	5.378	
11,100.00	9,360.00	9,351.39	9,349.82	43.24	207.13	90.000	-1,573.25	848.75	1,370.47	1,125.99	244.48	5.606	
11,200.00	9,360.00	9,351.39	9,349.82	45.06	207.13	90.000	-1,573.25	848.75	1,432.22	1,187.59	244.63	5.855	
11,300.00	9,360.00	9,351.39	9,349.82	46.91	207.13	90.000	-1,573.25	848.75	1,498.11	1,253.42	244.68	6.123	
11,400.00	9,360.00	9,351.39	9,349.82	48.77	207.13	90.000	-1,573.25	848.75	1,567.61	1,322.95	244.66	6.407	
11,500.00	9,360.00	9,351.39	9,349.82	50.65	207.13	90.000	-1,573.25	848.75	1,640.26	1,395.68	244.58	6.706	
11,600.00	9,360.00	9,351.39	9,349.82	52.55	207.13	90.000	-1,573.25	848.75	1,715.67	1,471.21	244.47	7.018	
11,700.00	9,360.00	9,351.39	9,349.82	54.45	207.13	90.000	-1,573.25	848.75	1,793.49	1,549.17	244.32	7.341	
11,800.00	9,360.00	9,351.39	9,349.82	56.37	207.13	90.000	-1,573.25	848.75	1,873.41	1,629.26	244.15	7.673	
11,900.00	9,360.00	9,351.39	9,349.82	58.30	207.13	90.000	-1,573.25	848.75	1,955.18	1,711.21	243.97	8.014	
12,000.00	9,360.00	9,351.39	9,349.82	60.24	207.13	90.000	-1,573.25	848.75	2,038.58	1,794.79	243.79	8.362	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	103.696	-253.75	1,041.27	1,071.90					
100.00	100.00	81.82	81.82	0.79	2.34	103.696	-253.75	1,041.27	1,071.74	1,068.61	3.13	342.589		
200.00	200.00	181.82	181.82	1.45	5.21	103.696	-253.75	1,041.27	1,071.74	1,065.09	6.65	161.114		
300.00	300.00	281.82	281.82	1.89	8.07	103.696	-253.75	1,041.27	1,071.74	1,061.78	9.96	107.595		
400.00	400.00	381.82	381.82	2.25	10.93	103.696	-253.75	1,041.27	1,071.74	1,058.56	13.19	81.278		
500.00	500.00	481.83	481.82	2.57	13.65	103.696	-253.75	1,041.27	1,071.74	1,055.52	16.22	66.070		
600.00	600.00	581.83	581.82	2.85	16.33	103.696	-253.75	1,041.27	1,071.74	1,052.56	19.18	55.874		
694.02	694.02	675.83	675.83	3.09	18.85	103.666	-253.17	1,041.27	1,071.60	1,049.66	21.94	48.837		
700.00	700.00	681.79	681.78	3.11	19.01	103.666	-253.17	1,041.27	1,071.60	1,049.49	22.12	48.451		
800.00	800.00	781.38	781.37	3.35	21.68	103.670	-253.27	1,041.27	1,071.63	1,046.60	25.03	42.822		
900.00	900.00	880.98	880.97	3.58	24.34	103.684	-253.52	1,041.27	1,071.69	1,043.77	27.92	38.386		
1,000.00	1,000.00	981.85	981.82	3.79	26.79	103.696	-253.75	1,041.27	1,071.74	1,041.16	30.58	35.045		
1,100.00	1,100.00	1,081.85	1,081.82	3.99	28.85	103.696	-253.75	1,041.27	1,071.74	1,038.90	32.84	32.631		
1,200.00	1,200.00	1,181.85	1,181.82	4.19	30.91	103.696	-253.75	1,041.27	1,071.74	1,036.64	35.10	30.536		
1,239.65	1,239.65	1,221.36	1,221.33	4.27	31.72	103.668	-253.22	1,041.27	1,071.61	1,035.63	35.99	29.779		
1,300.00	1,300.00	1,281.45	1,281.42	4.38	32.96	103.671	-253.28	1,041.27	1,071.63	1,034.29	37.34	28.702		
1,400.00	1,400.00	1,381.01	1,380.98	4.56	35.01	103.684	-253.53	1,041.27	1,071.69	1,032.12	39.57	27.085		
1,500.00	1,500.00	1,481.88	1,481.82	4.74	37.10	103.696	-253.75	1,041.27	1,071.74	1,029.91	41.84	25.618		
1,600.00	1,600.00	1,581.88	1,581.82	4.91	39.19	103.696	-253.75	1,041.27	1,071.74	1,027.64	44.10	24.302		
1,700.00	1,700.00	1,681.88	1,681.82	5.08	41.28	103.696	-253.75	1,041.27	1,071.74	1,025.38	46.36	23.118		
1,739.74	1,739.74	1,721.42	1,721.36	5.14	42.11	103.654	-252.95	1,041.27	1,071.55	1,024.30	47.25	22.677		
1,800.00	1,800.00	1,781.29	1,781.22	5.24	43.36	103.659	-253.04	1,041.27	1,071.57	1,022.97	48.60	22.047		
1,900.00	1,900.00	1,880.65	1,880.58	5.40	45.44	103.678	-253.40	1,041.27	1,071.66	1,020.82	50.84	21.078		
2,000.00	2,000.00	1,981.93	1,981.82	5.56	47.65	103.696	-253.75	1,041.27	1,071.74	1,018.54	53.20	20.144		
2,100.00	2,100.00	2,081.93	2,081.82	5.71	49.95	103.696	-253.75	1,041.27	1,071.74	1,016.08	55.66	19.254		
2,200.00	2,200.00	2,181.93	2,181.82	5.86	52.26	103.696	-253.75	1,041.27	1,071.74	1,013.62	58.12	18.440		
2,239.91	2,239.91	2,221.60	2,221.47	5.92	53.17	103.640	-252.67	1,041.27	1,071.49	1,012.39	59.09	18.132		
2,300.00	2,300.00	2,281.18	2,281.05	6.01	54.55	103.646	-252.79	1,041.27	1,071.51	1,010.96	60.56	17.694		
2,400.00	2,400.00	2,380.33	2,380.20	6.16	56.83	103.670	-253.26	1,041.27	1,071.63	1,008.64	62.99	17.013		
2,500.00	2,500.00	2,482.08	2,481.82	6.30	59.29	103.696	-253.75	1,041.27	1,071.74	1,006.15	65.59	16.341		
2,600.00	2,599.98	2,582.06	2,581.80	6.49	61.89	-107.887	-253.75	1,041.27	1,072.28	1,003.97	68.31	15.698		
2,700.00	2,699.84	2,681.92	2,681.66	6.68	64.48	-108.121	-253.75	1,041.27	1,073.90	1,002.90	71.00	15.125		
2,800.00	2,799.45	2,781.01	2,780.71	6.88	67.05	-108.618	-251.57	1,041.27	1,076.16	1,002.48	73.68	14.607		
2,900.00	2,898.74	2,879.21	2,878.89	6.98	69.60	-109.139	-252.05	1,041.27	1,080.13	1,003.87	76.26	14.163		
3,000.00	2,997.97	2,977.47	2,977.13	7.15	72.16	-109.700	-253.03	1,041.27	1,084.50	1,005.58	78.92	13.742		
3,100.00	3,097.19	3,079.47	3,079.01	7.34	74.69	-110.291	-253.75	1,041.27	1,088.93	1,007.37	81.56	13.351		
3,200.00	3,196.41	3,178.70	3,178.23	7.55	77.03	-110.899	-253.75	1,041.27	1,093.34	1,009.32	84.02	13.013		
3,300.00	3,295.63	3,277.77	3,277.29	7.77	79.36	-111.564	-252.50	1,041.27	1,097.66	1,011.18	86.48	12.693		
3,400.00	3,394.86	3,376.21	3,375.72	8.02	81.68	-112.141	-252.81	1,041.27	1,102.37	1,013.44	88.93	12.396		
3,500.00	3,494.08	3,474.76	3,474.26	8.27	84.01	-112.691	-253.58	1,041.27	1,107.27	1,015.89	91.39	12.116		
3,600.00	3,593.30	3,575.74	3,575.12	8.55	86.37	-113.280	-253.75	1,041.27	1,112.19	1,018.29	93.90	11.845		
3,700.00	3,692.52	3,674.97	3,674.34	8.83	88.70	-113.862	-253.75	1,041.27	1,117.20	1,020.83	96.37	11.593		
3,800.00	3,791.75	3,773.85	3,773.19	9.12	91.02	-114.527	-251.98	1,041.27	1,122.11	1,023.27	98.84	11.352		
3,900.00	3,890.97	3,872.40	3,871.72	9.42	93.32	-115.066	-252.55	1,041.27	1,127.43	1,026.12	101.32	11.128		
4,000.00	3,990.19	3,972.78	3,972.01	9.74	95.67	-115.578	-253.75	1,041.27	1,132.91	1,029.08	103.83	10.911		
4,100.00	4,089.41	4,072.00	4,071.23	10.06	97.67	-116.140	-253.75	1,041.27	1,138.38	1,032.37	106.00	10.739		
4,200.00	4,188.64	4,171.17	4,170.40	10.38	99.66	-116.736	-252.94	1,041.27	1,143.88	1,035.70	108.18	10.574		
4,300.00	4,287.86	4,270.05	4,269.27	10.72	101.65	-117.271	-253.22	1,041.27	1,149.59	1,039.23	110.36	10.417		
4,400.00	4,387.08	4,369.72	4,368.90	11.06	103.70	-117.792	-253.75	1,041.27	1,155.41	1,042.80	112.61	10.260		
4,500.00	4,486.30	4,468.95	4,468.12	11.40	105.90	-118.332	-253.75	1,041.27	1,161.31	1,046.29	115.02	10.097		
4,600.00	4,585.53	4,568.17	4,567.35	11.75	108.11	-118.866	-253.75	1,041.27	1,167.30	1,049.87	117.43	9.940		
4,700.00	4,684.75	4,667.30	4,666.47	12.11	110.31	-119.443	-252.77	1,041.27	1,173.36	1,053.51	119.85	9.790		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,800.00	4,783.97	4,766.48	4,765.64	12.47	112.51	-119.945	-253.20	1,041.27	1,179.57	1,057.29	122.28	9.646	
4,900.00	4,883.19	4,865.93	4,865.01	12.83	114.78	-120.437	-253.75	1,041.27	1,185.88	1,061.10	124.78	9.504	
5,000.00	4,982.42	4,965.16	4,964.24	13.20	117.24	-120.950	-253.75	1,041.27	1,192.27	1,064.79	127.48	9.353	
5,100.00	5,081.64	5,064.38	5,063.46	13.57	119.70	-121.457	-253.75	1,041.27	1,198.75	1,068.57	130.19	9.208	
5,200.00	5,180.86	5,163.60	5,162.68	13.94	122.16	-121.959	-253.75	1,041.27	1,205.33	1,072.43	132.90	9.069	
5,300.00	5,280.08	5,262.91	5,261.97	14.32	124.63	-122.537	-252.02	1,041.27	1,212.04	1,076.41	135.63	8.937	
5,400.00	5,379.31	5,362.31	5,361.36	14.70	127.09	-123.009	-252.45	1,041.27	1,218.80	1,080.45	138.36	8.809	
5,500.00	5,478.53	5,461.79	5,460.82	15.08	129.56	-123.461	-253.19	1,041.27	1,225.64	1,084.55	141.09	8.687	
5,600.00	5,577.75	5,560.62	5,559.57	15.46	131.84	-123.912	-253.75	1,041.27	1,232.55	1,088.91	143.65	8.581	
5,700.00	5,676.97	5,659.84	5,658.79	15.85	133.91	-124.387	-253.75	1,041.27	1,239.58	1,093.58	146.00	8.490	
5,800.00	5,776.20	5,759.08	5,758.02	16.23	135.98	-124.904	-252.73	1,041.27	1,246.75	1,098.39	148.36	8.404	
5,900.00	5,875.42	5,858.66	5,857.59	16.62	138.06	-125.360	-252.94	1,041.27	1,253.93	1,103.21	150.73	8.319	
6,000.00	5,974.64	5,958.31	5,957.24	17.01	140.14	-125.795	-253.51	1,041.27	1,261.17	1,108.07	153.10	8.238	
6,100.00	6,073.86	6,058.81	6,055.68	17.40	142.22	-126.234	-253.75	1,041.27	1,268.50	1,113.03	155.48	8.159	
6,200.00	6,173.09	6,156.03	6,154.91	17.80	144.32	-126.682	-253.75	1,041.27	1,275.94	1,118.05	157.88	8.081	
6,300.00	6,272.31	6,255.33	6,254.19	18.19	146.43	-127.174	-252.66	1,041.27	1,283.56	1,123.25	160.31	8.007	
6,400.00	6,371.53	6,355.07	6,353.93	18.59	148.54	-127.604	-252.89	1,041.27	1,291.13	1,128.39	162.73	7.934	
6,500.00	6,470.75	6,454.89	6,453.74	18.98	150.66	-128.015	-253.47	1,041.27	1,298.73	1,133.56	165.17	7.863	
6,600.00	6,569.98	6,552.99	6,551.80	19.38	152.84	-128.425	-253.75	1,041.27	1,306.43	1,138.76	167.67	7.792	
6,700.00	6,669.20	6,652.22	6,651.02	19.78	155.11	-128.848	-253.75	1,041.27	1,314.24	1,143.97	170.27	7.718	
6,800.00	6,768.42	6,751.51	6,750.30	20.18	157.38	-129.313	-252.66	1,041.27	1,322.27	1,149.39	172.88	7.648	
6,900.00	6,867.64	6,851.44	6,850.22	20.58	159.67	-129.720	-252.88	1,041.27	1,330.20	1,154.69	175.50	7.579	
7,000.00	6,966.88	6,951.45	6,950.23	20.97	161.96	-130.132	-253.44	1,041.27	1,338.07	1,159.96	178.11	7.513	
7,100.00	7,066.38	7,049.52	7,048.20	21.38	164.30	-130.532	-253.75	1,041.27	1,344.44	1,163.66	180.78	7.437	
7,200.00	7,166.17	7,149.31	7,147.99	21.74	166.76	-130.802	-253.75	1,041.27	1,348.63	1,165.11	183.52	7.349	
7,300.00	7,266.12	7,249.36	7,248.02	22.05	169.22	-130.994	-252.12	1,041.27	1,350.81	1,164.59	186.22	7.254	
7,400.00	7,366.12	7,350.58	7,349.23	22.10	171.72	80.515	-252.43	1,041.27	1,350.89	1,162.14	188.75	7.157	
7,500.00	7,466.12	7,451.82	7,450.45	22.12	174.21	80.551	-253.28	1,041.27	1,350.75	1,159.48	191.27	7.062	
7,600.00	7,566.12	7,549.43	7,547.94	22.15	176.68	80.570	-253.75	1,041.27	1,350.67	1,156.90	193.77	6.970	
7,700.00	7,666.12	7,649.43	7,647.94	22.18	179.26	80.570	-253.75	1,041.27	1,350.67	1,154.28	196.39	6.877	
7,800.00	7,766.12	7,749.43	7,747.94	22.21	181.85	80.570	-253.75	1,041.27	1,350.67	1,151.67	199.01	6.787	
7,900.00	7,866.12	7,850.52	7,849.00	22.24	184.45	80.507	-252.25	1,041.27	1,350.92	1,149.26	201.66	6.699	
8,000.00	7,966.12	7,951.70	7,950.16	22.27	187.07	80.538	-252.99	1,041.27	1,350.80	1,146.49	204.31	6.612	
8,100.00	8,066.12	8,049.65	8,047.94	22.30	189.59	80.570	-253.75	1,041.27	1,350.67	1,143.81	206.86	6.529	
8,200.00	8,166.12	8,149.65	8,147.94	22.33	192.16	80.570	-253.75	1,041.27	1,350.67	1,141.21	209.47	6.448	
8,300.00	8,266.12	8,249.65	8,247.94	22.36	194.73	80.570	-253.75	1,041.27	1,350.67	1,138.60	212.07	6.369	
8,400.00	8,366.12	8,350.80	8,349.06	22.39	197.33	80.499	-252.05	1,041.27	1,350.95	1,136.23	214.72	6.292	
8,500.00	8,466.12	8,452.25	8,450.49	22.43	199.93	80.533	-252.87	1,041.27	1,350.82	1,133.46	217.36	6.215	
8,600.00	8,566.12	8,549.85	8,547.94	22.46	202.40	80.570	-253.75	1,041.27	1,350.67	1,130.82	219.85	6.144	
8,700.00	8,666.12	8,649.85	8,647.94	22.49	204.82	80.570	-253.75	1,041.27	1,350.67	1,128.36	222.32	6.075	
8,800.00	8,766.12	8,750.49	8,748.56	22.52	207.26	80.521	-252.57	1,041.27	1,350.87	1,126.06	224.80	6.009	
8,900.00	8,865.87	8,851.84	8,849.90	22.43	209.72	-9.413	-253.20	1,041.27	1,345.39	1,118.22	227.17	5.922	
9,000.00	8,963.22	8,947.08	8,945.04	22.26	212.15	-9.928	-253.75	1,041.27	1,323.28	1,093.87	229.42	5.768	
9,100.00	9,055.22	9,039.07	9,037.04	22.07	214.61	-10.993	-253.75	1,041.27	1,284.95	1,053.26	231.69	5.546	
9,200.00	9,139.06	9,122.92	9,120.88	21.91	216.85	-12.806	-253.75	1,041.27	1,231.51	997.74	233.77	5.268	
9,300.00	9,212.22	9,196.68	9,194.62	21.82	218.82	-15.940	-252.21	1,041.27	1,164.94	929.31	235.63	4.944	
9,400.00	9,272.45	9,257.66	9,255.59	21.85	220.45	-21.178	-252.47	1,041.27	1,086.74	849.55	237.19	4.582	
9,500.00	9,317.93	9,303.71	9,301.63	22.05	221.68	-30.876	-252.80	1,041.27	999.73	761.28	238.45	4.193	
9,600.00	9,347.29	9,333.43	9,331.35	22.46	222.48	-50.124	-253.07	1,041.27	906.75	667.36	239.39	3.788	
9,700.00	9,359.62	9,345.91	9,343.83	23.09	222.81	-83.165	-253.20	1,041.27	810.87	570.84	240.03	3.378	
9,800.00	9,360.00	9,346.29	9,344.21	23.90	222.82	-90.628	-253.20	1,041.27	715.06	474.53	240.52	2.973	
9,900.00	9,360.00	9,346.29	9,344.21	24.86	222.82	-90.627	-253.20	1,041.27	620.56	379.35	241.22	2.573	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.00	9,360.00	9,346.29	9,344.20	25.96	222.82	-90.627	-253.20	1,041.27	528.10	285.87	242.23	2.180	
10,100.00	9,360.00	9,346.28	9,344.20	27.17	222.82	-90.626	-253.20	1,041.27	438.96	195.19	243.77	1.801	Level 3
10,200.00	9,360.00	9,346.28	9,344.20	28.49	222.82	-90.625	-253.20	1,041.27	355.64	109.50	246.15	1.445	Level 3
10,300.00	9,360.00	9,346.28	9,344.19	29.90	222.82	-90.624	-253.20	1,041.27	283.33	33.67	249.66	1.135	Level 3
10,400.00	9,360.00	9,346.27	9,344.19	31.39	222.82	-90.623	-253.20	1,041.27	232.53	-21.18	253.71	0.917	Level 3
10,481.02	9,360.00	9,346.27	9,344.19	32.65	222.82	-90.623	-253.20	1,041.27	217.96	-37.34	255.30	0.854	Level 3, CC, ES, SF
10,500.00	9,360.00	9,346.27	9,344.19	32.95	222.82	-90.622	-253.20	1,041.27	218.78	-36.42	255.20	0.857	Level 3
10,600.00	9,360.00	9,346.27	9,344.18	34.56	222.82	-90.622	-253.20	1,041.27	248.31	-4.01	252.32	0.984	Level 3
10,700.00	9,360.00	9,346.26	9,344.18	36.22	222.82	-90.621	-253.20	1,041.27	308.96	60.64	248.32	1.244	Level 3
10,800.00	9,360.00	9,346.26	9,344.18	37.93	222.82	-90.620	-253.20	1,041.27	386.33	141.02	245.30	1.575	Level 3
10,900.00	9,360.00	9,346.26	9,344.18	39.67	222.82	-90.619	-253.20	1,041.27	472.27	228.94	243.33	1.941	Level 3
11,000.00	9,360.00	9,346.25	9,344.17	41.44	222.82	-90.618	-253.20	1,041.27	562.88	320.81	242.07	2.325	
11,100.00	9,360.00	9,346.25	9,344.17	43.24	222.82	-90.617	-253.20	1,041.27	656.22	414.98	241.24	2.720	
11,200.00	9,360.00	9,346.25	9,344.17	45.06	222.82	-90.617	-253.20	1,041.27	751.28	510.59	240.69	3.121	
11,300.00	9,360.00	9,346.24	9,344.16	46.91	222.82	-90.616	-253.20	1,041.27	847.48	607.17	240.31	3.527	
11,400.00	9,360.00	9,346.24	9,344.16	48.77	222.82	-90.615	-253.20	1,041.27	944.46	704.42	240.05	3.935	
11,500.00	9,360.00	9,346.24	9,344.16	50.65	222.82	-90.614	-253.20	1,041.27	1,042.02	802.16	239.86	4.344	
11,600.00	9,360.00	9,346.24	9,344.15	52.55	222.82	-90.613	-253.20	1,041.27	1,140.00	900.27	239.73	4.755	
11,700.00	9,360.00	9,346.23	9,344.15	54.45	222.82	-90.613	-253.20	1,041.27	1,238.30	998.66	239.64	5.167	
11,800.00	9,360.00	9,346.23	9,344.15	56.37	222.82	-90.612	-253.20	1,041.27	1,336.86	1,097.28	239.58	5.580	
11,900.00	9,360.00	9,346.23	9,344.14	58.30	222.82	-90.611	-253.20	1,041.27	1,435.61	1,196.07	239.55	5.993	
12,000.00	9,360.00	9,346.22	9,344.14	60.24	222.82	-90.610	-253.20	1,041.27	1,534.53	1,295.00	239.53	6.406	
12,100.00	9,360.00	9,346.22	9,344.14	62.19	222.82	-90.609	-253.20	1,041.27	1,633.58	1,394.05	239.52	6.820	
12,200.00	9,360.00	9,346.22	9,344.13	64.15	222.82	-90.608	-253.20	1,041.27	1,732.73	1,493.20	239.53	7.234	
12,300.00	9,360.00	9,346.21	9,344.13	66.11	222.82	-90.608	-253.20	1,041.27	1,831.98	1,592.44	239.55	7.648	
12,400.00	9,360.00	9,346.21	9,344.13	68.08	222.82	-90.607	-253.20	1,041.27	1,931.31	1,691.74	239.57	8.061	
12,500.00	9,360.00	9,346.21	9,344.13	70.06	222.82	-90.606	-253.20	1,041.27	2,030.70	1,791.10	239.61	8.475	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)												Offset Site Error: 0.00 usft
Survey Program: 452-INC-ONLY												Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
17,500.00	9,360.00	9,361.37	9,359.82	171.71	223.52	-90.000	-239.28	10,081.08	2,031.26	1,779.91	251.35	8.081
17,600.00	9,360.00	9,361.37	9,359.82	173.77	223.52	-90.000	-239.28	10,081.08	1,931.80	1,679.62	252.18	7.660
17,700.00	9,360.00	9,361.37	9,359.82	175.82	223.52	-90.000	-239.28	10,081.08	1,832.40	1,579.29	253.11	7.240
17,800.00	9,360.00	9,361.37	9,359.82	177.88	223.52	-90.000	-239.28	10,081.08	1,733.06	1,478.91	254.15	6.819
17,900.00	9,360.00	9,361.37	9,359.82	179.93	223.52	-90.000	-239.28	10,081.08	1,633.81	1,378.46	255.35	6.398
18,000.00	9,360.00	9,361.37	9,359.82	181.99	223.52	-90.000	-239.28	10,081.08	1,534.66	1,277.94	256.72	5.978
18,100.00	9,360.00	9,361.37	9,359.82	184.05	223.52	-90.000	-239.28	10,081.08	1,435.62	1,177.31	258.31	5.558
18,200.00	9,360.00	9,361.37	9,359.82	186.11	223.52	-90.000	-239.28	10,081.08	1,336.72	1,076.57	260.16	5.138
18,300.00	9,360.00	9,361.37	9,359.82	188.16	223.52	-90.000	-239.28	10,081.08	1,238.01	975.66	262.35	4.719
18,400.00	9,360.00	9,361.37	9,359.82	190.22	223.52	-90.000	-239.28	10,081.08	1,139.51	874.56	264.96	4.301
18,500.00	9,360.00	9,361.37	9,359.82	192.28	223.52	-90.000	-239.28	10,081.08	1,041.31	773.20	268.11	3.884
18,600.00	9,360.00	9,361.37	9,359.82	194.34	223.52	-90.000	-239.28	10,081.08	943.48	671.50	271.98	3.469
18,700.00	9,360.00	9,361.37	9,359.82	196.40	223.52	-90.000	-239.28	10,081.08	846.16	569.35	276.81	3.057
18,800.00	9,360.00	9,361.37	9,359.82	198.46	223.52	-90.000	-239.28	10,081.08	749.54	466.59	282.95	2.649
18,900.00	9,360.00	9,361.37	9,359.82	200.51	223.52	-90.000	-239.28	10,081.08	653.95	362.99	290.96	2.248
19,000.00	9,360.00	9,361.37	9,359.82	202.57	223.52	-90.000	-239.28	10,081.08	559.89	258.22	301.67	1.856 Level 3
19,100.00	9,360.00	9,361.37	9,359.82	204.63	223.52	-90.000	-239.28	10,081.08	468.30	151.86	316.44	1.480 Level 3
19,200.00	9,360.00	9,361.37	9,359.82	206.69	223.52	-90.000	-239.28	10,081.08	380.97	43.56	337.41	1.129 Level 3
19,300.00	9,360.00	9,361.37	9,359.82	208.75	223.52	-90.000	-239.28	10,081.08	301.61	-65.75	367.36	0.821 Level 3
19,400.00	9,360.00	9,361.37	9,359.82	210.81	223.52	-90.000	-239.28	10,081.08	238.33	-167.73	406.05	0.587 Level 3
19,500.00	9,360.00	9,361.37	9,359.82	212.87	223.52	-90.000	-239.28	10,081.08	206.47	-228.93	435.40	0.474 Level 3
19,520.85	9,360.00	9,361.37	9,359.82	213.30	223.52	-90.000	-239.28	10,081.08	205.42	-231.41	436.82	0.470 Level 3, CC, ES, SF
19,600.00	9,360.00	9,361.37	9,359.82	214.93	223.52	-90.000	-239.28	10,081.08	220.14	-203.82	423.95	0.519 Level 3
19,700.00	9,360.00	9,361.37	9,359.82	216.99	223.52	-90.000	-239.28	10,081.08	272.57	-114.69	387.26	0.704 Level 3
19,800.00	9,360.00	9,361.37	9,359.82	219.05	223.52	-90.000	-239.28	10,081.08	346.59	-7.54	354.13	0.979 Level 3
19,900.00	9,360.00	9,361.37	9,359.82	221.12	223.52	-90.000	-239.28	10,081.08	431.22	100.95	330.27	1.306 Level 3
20,000.00	9,360.00	9,361.37	9,359.82	223.18	223.52	-90.000	-239.28	10,081.08	521.33	207.79	313.54	1.663 Level 3
20,100.00	9,360.00	9,361.37	9,359.82	225.24	223.52	-90.000	-239.28	10,081.08	614.50	312.95	301.56	2.038
20,200.00	9,360.00	9,361.37	9,359.82	227.30	223.52	-90.000	-239.28	10,081.08	709.54	416.82	292.72	2.424
20,300.00	9,360.00	9,361.37	9,359.82	229.36	223.52	-90.000	-239.28	10,081.08	805.78	519.76	286.02	2.817
20,400.00	9,360.00	9,361.37	9,359.82	231.42	223.52	-90.000	-239.28	10,081.08	902.83	622.01	280.83	3.215
20,500.00	9,360.00	9,361.37	9,359.82	233.49	223.52	-90.000	-239.28	10,081.08	1,000.47	723.75	276.72	3.615
20,600.00	9,360.00	9,361.37	9,359.82	235.55	223.52	-90.000	-239.28	10,081.08	1,098.53	825.11	273.42	4.018
20,700.00	9,360.00	9,361.37	9,359.82	237.61	223.52	-90.000	-239.28	10,081.08	1,196.91	926.18	270.74	4.421
20,800.00	9,360.00	9,361.37	9,359.82	239.67	223.52	-90.000	-239.28	10,081.08	1,295.54	1,027.02	268.52	4.825
20,900.00	9,360.00	9,361.37	9,359.82	241.73	223.52	-90.000	-239.28	10,081.08	1,394.37	1,127.68	266.68	5.229
21,000.00	9,360.00	9,361.37	9,359.82	243.80	223.52	-90.000	-239.28	10,081.08	1,493.35	1,228.21	265.14	5.632
21,100.00	9,360.00	9,361.37	9,359.82	245.86	223.52	-90.000	-239.28	10,081.08	1,592.46	1,328.62	263.84	6.036
21,200.00	9,360.00	9,361.37	9,359.82	247.92	223.52	-90.000	-239.28	10,081.08	1,691.67	1,428.94	262.74	6.439
21,300.00	9,360.00	9,361.37	9,359.82	249.99	223.52	-90.000	-239.28	10,081.08	1,790.97	1,529.18	261.79	6.841
21,400.00	9,360.00	9,361.37	9,359.82	252.05	223.52	-90.000	-239.28	10,081.08	1,890.35	1,629.36	260.99	7.243
21,500.00	9,360.00	9,361.37	9,359.82	254.11	223.52	-90.000	-239.28	10,081.08	1,989.78	1,729.49	260.30	7.644

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)													Offset Site Error:	0.00 usft	
Survey Program:		400-INC-ONLY				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			
12,600.00	9,360.00	9,347.60	9,344.82	72.04	225.47	90.000	-1,566.40	4,810.20	1,983.31	1,716.93	266.37	7.446			
12,700.00	9,360.00	9,347.60	9,344.82	74.02	225.47	90.000	-1,566.40	4,810.20	1,901.13	1,632.01	269.11	7.064			
12,800.00	9,360.00	9,347.60	9,344.82	76.01	225.47	90.000	-1,566.40	4,810.20	1,820.73	1,548.65	272.08	6.692			
12,900.00	9,360.00	9,347.60	9,344.82	78.01	225.47	90.000	-1,566.40	4,810.20	1,742.37	1,467.07	275.29	6.329			
13,000.00	9,360.00	9,347.60	9,344.82	80.01	225.47	90.000	-1,566.40	4,810.20	1,666.32	1,387.56	278.76	5.978			
13,100.00	9,360.00	9,347.60	9,344.82	82.01	225.47	90.000	-1,566.40	4,810.20	1,592.92	1,310.44	282.48	5.639			
13,200.00	9,360.00	9,347.60	9,344.82	84.02	225.47	90.000	-1,566.40	4,810.20	1,522.56	1,236.08	286.47	5.315			
13,300.00	9,360.00	9,347.60	9,344.82	86.02	225.47	90.000	-1,566.40	4,810.20	1,455.66	1,164.95	290.72	5.007			
13,400.00	9,360.00	9,347.60	9,344.82	88.04	225.47	90.000	-1,566.40	4,810.20	1,392.74	1,097.55	295.19	4.718			
13,500.00	9,360.00	9,347.60	9,344.82	90.05	225.47	90.000	-1,566.40	4,810.20	1,334.36	1,034.50	299.86	4.450			
13,600.00	9,360.00	9,347.60	9,344.82	92.07	225.47	90.000	-1,566.40	4,810.20	1,281.13	976.46	304.67	4.205			
13,700.00	9,360.00	9,347.60	9,344.82	94.08	225.47	90.000	-1,566.40	4,810.20	1,233.72	924.21	309.51	3.986			
13,800.00	9,360.00	9,347.60	9,344.82	96.11	225.47	90.000	-1,566.40	4,810.20	1,192.83	878.55	314.28	3.795			
13,900.00	9,360.00	9,347.60	9,344.82	98.13	225.47	90.000	-1,566.40	4,810.20	1,159.15	840.32	318.83	3.636			
14,000.00	9,360.00	9,347.60	9,344.82	100.15	225.47	90.000	-1,566.40	4,810.20	1,133.32	810.33	322.99	3.509			
14,100.00	9,360.00	9,347.60	9,344.82	102.18	225.47	90.000	-1,566.40	4,810.20	1,115.88	789.27	326.61	3.417			
14,200.00	9,360.00	9,347.60	9,344.82	104.21	225.47	90.000	-1,566.40	4,810.20	1,107.24	777.71	329.52	3.360			
14,246.10	9,360.00	9,347.60	9,344.82	105.15	225.47	90.000	-1,566.40	4,810.20	1,106.28	775.67	330.61	3.346	CC, ES		
14,300.00	9,360.00	9,347.60	9,344.82	106.24	225.47	90.000	-1,566.40	4,810.20	1,107.59	775.95	331.64	3.340	SF		
14,400.00	9,360.00	9,347.60	9,344.82	108.27	225.47	90.000	-1,566.40	4,810.20	1,116.93	784.02	332.91	3.355			
14,500.00	9,360.00	9,347.60	9,344.82	110.30	225.47	90.000	-1,566.40	4,810.20	1,135.04	801.71	333.33	3.405			
14,600.00	9,360.00	9,347.60	9,344.82	112.34	225.47	90.000	-1,566.40	4,810.20	1,161.50	828.52	332.98	3.488			
14,700.00	9,360.00	9,347.60	9,344.82	114.38	225.47	90.000	-1,566.40	4,810.20	1,195.77	863.80	331.97	3.602			
14,800.00	9,360.00	9,347.60	9,344.82	116.41	225.47	90.000	-1,566.40	4,810.20	1,237.19	906.77	330.42	3.744			
14,900.00	9,360.00	9,347.60	9,344.82	118.45	225.47	90.000	-1,566.40	4,810.20	1,285.08	956.61	328.47	3.912			
15,000.00	9,360.00	9,347.60	9,344.82	120.49	225.47	90.000	-1,566.40	4,810.20	1,338.73	1,012.50	326.23	4.104			
15,100.00	9,360.00	9,347.60	9,344.82	122.53	225.47	90.000	-1,566.40	4,810.20	1,397.49	1,073.66	323.83	4.316			
15,200.00	9,360.00	9,347.60	9,344.82	124.57	225.47	90.000	-1,566.40	4,810.20	1,460.74	1,139.41	321.33	4.546			
15,300.00	9,360.00	9,347.60	9,344.82	126.61	225.47	90.000	-1,566.40	4,810.20	1,527.92	1,209.10	318.82	4.792			
15,400.00	9,360.00	9,347.60	9,344.82	128.66	225.47	90.000	-1,566.40	4,810.20	1,598.54	1,282.20	316.33	5.053			
15,500.00	9,360.00	9,347.60	9,344.82	130.70	225.47	90.000	-1,566.40	4,810.20	1,672.16	1,358.24	313.91	5.327			
15,600.00	9,360.00	9,347.60	9,344.82	132.75	225.47	90.000	-1,566.40	4,810.20	1,748.39	1,436.82	311.58	5.611			
15,700.00	9,360.00	9,347.60	9,344.82	134.79	225.47	90.000	-1,566.40	4,810.20	1,826.93	1,517.59	309.34	5.906			
15,800.00	9,360.00	9,347.60	9,344.82	136.84	225.47	90.000	-1,566.40	4,810.20	1,907.47	1,600.25	307.22	6.209			
15,900.00	9,360.00	9,347.60	9,344.82	138.88	225.47	90.000	-1,566.40	4,810.20	1,989.78	1,684.58	305.20	6.520			

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (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	-107.553	-257.83	-815.10	854.91				
100.00	100.00	98.82	98.82	0.79	1.89	-107.553	-257.83	-815.10	854.91	852.23	2.68	319.364	
200.00	200.00	198.82	198.82	1.45	3.81	-107.553	-257.83	-815.10	854.91	849.66	5.25	162.802	
300.00	300.00	298.82	298.82	1.89	5.76	-107.553	-257.83	-815.10	854.91	847.25	7.66	111.675	
347.01	347.01	345.83	345.83	2.06	6.69	-107.544	-257.69	-815.10	854.86	846.11	8.75	97.687	
400.00	400.00	398.58	398.58	2.25	7.73	-107.546	-257.71	-815.10	854.87	844.89	9.98	85.644	
500.00	500.00	498.82	498.82	2.57	9.87	-107.553	-257.83	-815.10	854.91	842.47	12.44	68.731	
600.00	600.00	598.82	598.82	2.85	12.49	-107.553	-257.83	-815.10	854.91	839.56	15.34	55.718	
700.00	700.00	698.82	698.82	3.11	15.12	-107.553	-257.83	-815.10	854.91	836.68	18.23	46.908	
738.78	738.78	737.52	737.52	3.20	16.13	-107.537	-257.58	-815.10	854.83	835.50	19.33	44.215	
800.00	800.00	798.60	798.60	3.35	17.73	-107.540	-257.62	-815.10	854.84	833.76	21.08	40.547	
900.00	900.00	898.36	898.36	3.58	20.35	-107.548	-257.75	-815.10	854.88	830.96	23.93	35.730	
1,000.00	1,000.00	998.83	998.82	3.79	22.79	-107.553	-257.83	-815.10	854.91	828.33	26.58	32.168	
1,100.00	1,100.00	1,098.83	1,098.82	3.99	25.08	-107.553	-257.83	-815.10	854.91	825.83	29.08	29.403	
1,189.16	1,189.16	1,187.99	1,187.98	4.17	27.13	-107.518	-257.29	-815.10	854.74	823.45	31.30	27.312	
1,200.00	1,200.00	1,198.79	1,198.77	4.19	27.37	-107.518	-257.29	-815.10	854.74	823.18	31.56	27.079	
1,300.00	1,300.00	1,298.34	1,298.33	4.38	29.66	-107.525	-257.39	-815.10	854.77	820.74	34.04	25.113	
1,400.00	1,400.00	1,397.90	1,397.88	4.56	31.94	-107.543	-257.67	-815.10	854.86	818.35	36.50	23.418	
1,500.00	1,500.00	1,498.86	1,498.82	4.74	33.86	-107.553	-257.83	-815.10	854.91	816.31	38.60	22.148	
1,561.67	1,561.67	1,560.54	1,560.49	4.85	34.87	-107.528	-257.43	-815.10	854.79	815.07	39.72	21.521	
1,600.00	1,600.00	1,598.35	1,598.30	4.91	35.49	-107.530	-257.47	-815.10	854.80	814.39	40.41	21.156	
1,700.00	1,700.00	1,698.88	1,698.82	5.08	37.17	-107.553	-257.83	-815.10	854.91	812.66	42.25	20.236	
1,800.00	1,800.00	1,798.88	1,798.82	5.24	38.96	-107.553	-257.83	-815.10	854.91	810.70	44.20	19.340	
1,832.96	1,832.96	1,831.75	1,831.68	5.30	39.55	-107.524	-257.37	-815.10	854.77	809.92	44.85	19.060	
1,900.00	1,900.00	1,898.00	1,897.93	5.40	40.74	-107.532	-257.50	-815.10	854.81	808.67	46.14	18.526	
2,000.00	2,000.00	1,998.92	1,998.82	5.56	42.91	-107.553	-257.83	-815.10	854.91	806.44	48.46	17.640	
2,100.00	2,100.00	2,098.92	2,098.82	5.71	45.72	-107.553	-257.83	-815.10	854.91	803.47	51.43	16.621	
2,200.00	2,200.00	2,198.92	2,198.82	5.86	48.54	-107.553	-257.83	-815.10	854.91	800.51	54.40	15.715	
2,262.91	2,262.91	2,261.80	2,261.69	5.96	50.31	-107.471	-256.55	-815.10	854.52	798.26	56.27	15.187	
2,300.00	2,300.00	2,298.62	2,298.51	6.01	51.35	-107.473	-256.57	-815.10	854.53	797.17	57.36	14.899	
2,400.00	2,400.00	2,397.88	2,397.77	6.16	54.14	-107.489	-256.84	-815.10	854.61	794.31	60.30	14.173	
2,500.00	2,500.00	2,497.15	2,497.03	6.30	56.94	-107.525	-257.39	-815.10	854.78	791.54	63.24	13.517	
2,600.00	2,599.98	2,599.15	2,598.80	6.49	59.63	41.037	-257.83	-815.10	853.59	787.50	66.09	12.916	
2,700.00	2,699.84	2,699.07	2,698.66	6.68	62.05	41.320	-257.83	-815.10	849.65	780.99	68.66	12.375	
2,800.00	2,799.45	2,795.07	2,794.63	6.88	64.39	41.792	-257.66	-815.10	843.07	771.93	71.14	11.851	
2,900.00	2,898.74	2,894.50	2,893.97	6.98	66.72	42.391	-257.74	-815.10	834.26	760.72	73.54	11.345	
3,000.00	2,997.97	2,995.69	2,995.13	7.15	69.05	42.995	-257.56	-815.10	825.03	749.03	75.99	10.856	
3,100.00	3,097.19	3,096.04	3,095.43	7.34	71.43	43.609	-257.37	-815.10	815.89	737.37	78.52	10.391	
3,200.00	3,196.41	3,195.89	3,195.23	7.55	73.80	44.187	-257.83	-815.10	807.00	725.96	81.04	9.958	
3,300.00	3,295.63	3,295.15	3,294.45	7.77	76.19	44.808	-257.83	-815.10	798.09	714.51	83.59	9.548	
3,400.00	3,394.86	3,392.55	3,391.83	8.02	78.58	45.444	-257.63	-815.10	789.23	703.08	86.15	9.161	
3,500.00	3,494.08	3,493.70	3,492.90	8.27	81.01	46.090	-257.83	-815.10	780.56	691.82	88.74	8.796	
3,600.00	3,593.30	3,591.14	3,590.33	8.55	83.10	46.749	-257.72	-815.10	771.92	680.91	91.02	8.481	
3,700.00	3,692.52	3,691.89	3,691.05	8.83	85.05	47.451	-257.52	-815.10	763.38	670.23	93.14	8.196	
3,800.00	3,791.75	3,791.42	3,790.57	9.12	86.96	48.123	-257.83	-815.10	755.04	659.80	95.24	7.928	
3,900.00	3,890.97	3,890.64	3,889.79	9.42	88.88	48.831	-257.83	-815.10	746.75	649.41	97.34	7.672	
4,000.00	3,990.19	3,989.82	3,988.96	9.74	90.80	49.610	-257.10	-815.10	738.46	639.03	99.44	7.427	
4,100.00	4,089.41	4,088.75	4,087.89	10.06	92.71	50.334	-257.28	-815.10	730.45	628.92	101.53	7.194	
4,200.00	4,188.64	4,187.75	4,186.88	10.38	94.62	51.052	-257.74	-815.10	722.59	618.97	103.63	6.973	
4,300.00	4,287.86	4,287.56	4,286.68	10.72	96.41	51.822	-257.83	-815.10	714.81	609.22	105.59	6.770	
4,400.00	4,387.08	4,386.78	4,385.90	11.06	98.16	52.610	-257.83	-815.10	707.15	599.63	107.52	6.577	
4,500.00	4,486.30	4,485.93	4,485.05	11.40	99.90	53.453	-257.38	-815.10	699.58	590.14	109.44	6.392	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	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
4,600.00	4,585.53	4,585.07	4,584.18	11.75	101.65	54.258	-257.59	-815.10	692.22	580.86	111.36	6.216	
4,700.00	4,684.75	4,684.46	4,683.57	12.11	103.37	55.080	-257.83	-815.10	685.00	571.76	113.24	6.049	
4,800.00	4,783.97	4,783.68	4,782.79	12.47	105.01	55.937	-257.83	-815.10	677.92	562.88	115.04	5.893	
4,900.00	4,883.19	4,882.87	4,881.98	12.83	106.65	56.820	-257.75	-815.10	670.99	554.15	116.83	5.743	
5,000.00	4,982.42	4,982.13	4,981.24	13.20	108.45	57.707	-257.83	-815.10	664.22	545.43	118.79	5.592	
5,100.00	5,081.64	5,081.35	5,080.46	13.57	110.39	58.618	-257.83	-815.10	657.62	536.75	120.87	5.441	
5,200.00	5,180.86	5,180.59	5,179.69	13.94	112.33	59.581	-257.45	-815.10	651.19	528.25	122.94	5.297	
5,300.00	5,280.08	5,279.88	5,278.98	14.32	114.27	60.509	-257.69	-815.10	644.94	519.92	125.02	5.159	
5,400.00	5,379.31	5,379.06	5,378.13	14.70	116.34	61.461	-257.83	-815.10	638.86	511.64	127.21	5.022	
5,500.00	5,478.53	5,478.28	5,477.35	15.08	118.49	62.444	-257.83	-815.10	632.97	503.49	129.48	4.889	
5,600.00	5,577.75	5,577.57	5,576.63	15.46	120.64	63.535	-256.85	-815.10	627.36	495.63	131.73	4.762	
5,700.00	5,676.97	5,677.07	5,676.12	15.85	122.80	64.530	-257.16	-815.10	621.84	487.86	133.99	4.641	
5,800.00	5,776.20	5,776.02	5,775.02	16.23	124.94	65.503	-257.83	-815.10	616.48	480.25	136.23	4.525	
5,900.00	5,875.42	5,875.24	5,874.24	16.62	127.12	66.557	-257.83	-815.10	611.39	472.90	138.49	4.415	
6,000.00	5,974.64	5,974.46	5,973.46	17.01	129.29	67.629	-257.83	-815.10	606.51	465.77	140.74	4.309	
6,100.00	6,073.86	6,073.90	6,072.88	17.40	131.47	68.814	-256.82	-815.10	602.03	459.05	142.98	4.211	
6,200.00	6,173.09	6,173.57	6,172.56	17.80	133.65	69.889	-257.18	-815.10	597.54	452.31	145.23	4.114	
6,300.00	6,272.31	6,272.20	6,271.13	18.19	135.82	70.942	-257.83	-815.10	593.21	445.74	147.47	4.023	
6,400.00	6,371.53	6,371.43	6,370.35	18.59	138.12	72.078	-257.83	-815.10	589.23	439.40	149.83	3.933	
6,500.00	6,470.75	6,470.65	6,469.57	18.98	140.42	73.229	-257.83	-815.10	585.50	433.31	152.18	3.847	
6,600.00	6,569.98	6,570.31	6,569.22	19.38	142.74	74.485	-256.91	-815.10	582.25	427.72	154.54	3.768	
6,700.00	6,669.20	6,670.22	6,669.12	19.78	145.05	75.628	-257.36	-815.10	578.89	421.99	156.90	3.689	
6,800.00	6,768.42	6,768.43	6,767.24	20.18	147.30	76.762	-257.83	-815.10	575.75	416.55	159.20	3.617	
6,900.00	6,867.64	6,867.65	6,866.46	20.58	149.52	77.964	-257.83	-815.10	573.01	411.55	161.46	3.549	
7,000.00	6,966.88	6,968.37	6,967.16	20.97	151.77	79.240	-257.14	-815.10	570.79	407.07	163.73	3.486	
7,100.00	7,066.38	7,066.46	7,065.20	21.38	153.94	80.097	-257.83	-815.10	568.75	402.78	165.97	3.427	
7,200.00	7,166.17	7,166.25	7,164.99	21.74	156.11	80.712	-257.83	-815.10	567.68	399.46	168.22	3.375	
7,300.00	7,266.12	7,266.20	7,264.94	22.05	158.29	80.994	-257.83	-815.10	567.22	396.74	170.48	3.327	
7,317.16	7,283.28	7,283.36	7,282.10	22.06	158.67	81.012	-257.83	-815.10	567.19	396.33	170.85	3.320	
7,400.00	7,366.12	7,366.86	7,365.59	22.10	160.49	-67.394	-256.88	-815.10	567.55	394.87	172.68	3.287	
7,500.00	7,466.12	7,467.66	7,466.38	22.12	162.68	-67.438	-257.36	-815.10	567.37	392.44	174.93	3.243	
7,600.00	7,566.12	7,566.28	7,564.94	22.15	164.92	-67.482	-257.83	-815.10	567.19	389.97	177.22	3.200	
7,700.00	7,666.12	7,666.28	7,664.94	22.18	167.34	-67.482	-257.83	-815.10	567.19	387.50	179.69	3.157	
7,800.00	7,766.12	7,766.28	7,764.94	22.21	169.75	-67.482	-257.83	-815.10	567.19	385.03	182.15	3.114	
7,900.00	7,866.12	7,867.01	7,865.66	22.24	172.19	-67.397	-256.91	-815.10	567.54	382.91	184.63	3.074	
8,000.00	7,966.12	7,967.82	7,966.46	22.27	174.62	-67.444	-257.43	-815.10	567.34	380.22	187.12	3.032	
8,100.00	8,066.12	8,066.42	8,064.94	22.30	177.21	-67.482	-257.83	-815.10	567.19	377.43	189.76	2.989	
8,200.00	8,166.12	8,166.42	8,164.94	22.33	180.06	-67.482	-257.83	-815.10	567.19	374.52	192.66	2.944	
8,300.00	8,266.12	8,266.42	8,264.94	22.36	182.91	-67.482	-257.83	-815.10	567.19	371.62	195.56	2.900	
8,400.00	8,366.12	8,367.78	8,366.26	22.39	185.80	-67.332	-256.22	-815.10	567.81	369.32	198.49	2.861	
8,500.00	8,466.12	8,469.21	8,467.67	22.43	188.69	-67.418	-257.14	-815.10	567.46	366.02	201.44	2.817	
8,600.00	8,566.12	8,566.73	8,564.94	22.46	191.47	-67.482	-257.83	-815.10	567.19	362.91	204.28	2.776	
8,700.00	8,666.12	8,666.73	8,664.94	22.49	194.33	-67.482	-257.83	-815.10	567.19	360.00	207.19	2.738 CC	
8,800.00	8,766.12	8,766.96	8,765.12	22.52	197.19	-67.268	-255.53	-815.10	568.07	357.99	210.08	2.704	
8,800.32	8,766.44	8,767.28	8,765.45	22.52	197.19	-157.101	-255.53	-815.10	568.07	357.98	210.09	2.704 ES	
8,900.00	8,865.87	8,868.66	8,866.80	22.43	200.09	-157.178	-256.07	-815.10	572.89	359.86	213.03	2.689 SF	
9,000.00	8,963.22	8,967.96	8,966.06	22.26	202.92	-157.366	-257.42	-815.10	593.06	377.09	215.97	2.746	
9,100.00	9,055.22	9,056.65	9,054.56	22.07	205.28	-157.207	-257.40	-815.10	629.34	410.88	218.46	2.881	
9,200.00	9,139.06	9,140.01	9,137.88	21.91	207.44	-156.714	-257.83	-815.10	680.33	459.58	220.75	3.082	
9,300.00	9,212.22	9,213.17	9,211.04	21.82	209.34	-155.383	-257.83	-815.10	745.03	522.25	222.78	3.344	
9,400.00	9,272.45	9,273.40	9,271.27	21.85	210.91	-152.528	-257.83	-815.10	821.52	597.06	224.47	3.660	
9,500.00	9,317.93	9,318.88	9,316.75	22.05	212.09	-146.561	-257.83	-815.10	907.54	681.78	225.76	4.020	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		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	
9,600.00	9,347.29	9,348.36	9,346.20	22.46	212.86	-132.853	-256.04	-815.10	1,000.84	774.21	226.62	4.416	
9,700.00	9,359.62	9,360.87	9,358.71	23.09	213.18	-100.162	-256.05	-815.10	1,097.72	870.67	227.05	4.835	
9,800.00	9,360.00	9,361.26	9,359.10	23.90	213.19	-90.073	-256.05	-815.10	1,195.85	968.68	227.17	5.264	
9,900.00	9,360.00	9,361.26	9,359.10	24.86	213.19	-90.073	-256.05	-815.10	1,294.27	1,067.00	227.27	5.695	
10,000.00	9,360.00	9,361.26	9,359.10	25.96	213.19	-90.072	-256.05	-815.10	1,392.91	1,165.55	227.36	6.126	
10,100.00	9,360.00	9,361.26	9,359.10	27.17	213.19	-90.072	-256.05	-815.10	1,491.73	1,264.28	227.45	6.558	
10,200.00	9,360.00	9,361.26	9,359.10	28.49	213.19	-90.072	-256.05	-815.10	1,590.70	1,363.17	227.54	6.991	
10,300.00	9,360.00	9,361.26	9,359.10	29.90	213.19	-90.072	-256.05	-815.10	1,689.79	1,462.18	227.62	7.424	
10,400.00	9,360.00	9,361.26	9,359.10	31.39	213.19	-90.072	-256.05	-815.10	1,788.98	1,561.29	227.69	7.857	
10,500.00	9,360.00	9,361.26	9,359.10	32.95	213.19	-90.072	-256.05	-815.10	1,888.26	1,660.49	227.77	8.290	
10,600.00	9,360.00	9,361.26	9,359.10	34.56	213.19	-90.072	-256.05	-815.10	1,987.61	1,759.77	227.84	8.724	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 32-34 FED COM 207H - 207H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside 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)			
10,500.00	9,360.00	9,050.00	8,964.94	32.95	22.20	75.026	-1,917.84	2,385.12	1,999.31	1,956.11	43.20	46.281	
10,600.00	9,360.00	9,050.00	8,964.94	34.56	22.20	75.026	-1,917.84	2,385.12	1,934.75	1,889.86	44.89	43.103	
10,700.00	9,360.00	9,050.00	8,964.94	36.22	22.20	75.026	-1,917.84	2,385.12	1,873.30	1,826.59	46.71	40.103	
10,800.00	9,360.00	9,067.96	8,981.92	37.93	22.30	75.654	-1,917.83	2,390.96	1,815.03	1,766.34	48.69	37.278	
10,900.00	9,360.00	9,080.37	8,993.55	39.67	22.37	76.085	-1,917.81	2,395.31	1,760.32	1,709.54	50.78	34.668	
11,000.00	9,360.00	9,100.00	9,011.73	41.44	22.47	76.764	-1,917.79	2,402.70	1,709.46	1,656.49	52.97	32.272	
11,100.00	9,360.00	9,100.00	9,011.73	43.24	22.47	76.764	-1,917.79	2,402.70	1,662.75	1,607.50	55.25	30.096	
11,200.00	9,360.00	9,128.28	9,037.46	45.06	22.62	77.731	-1,917.76	2,414.42	1,620.32	1,562.70	57.62	28.121	
11,300.00	9,360.00	9,150.00	9,056.81	46.91	22.74	78.463	-1,917.73	2,424.29	1,582.61	1,522.58	60.03	26.362	
11,400.00	9,360.00	9,173.11	9,076.97	48.77	22.87	79.229	-1,917.69	2,435.57	1,549.77	1,487.27	62.49	24.799	
11,500.00	9,360.00	9,200.00	9,099.84	50.65	23.01	80.103	-1,917.65	2,449.72	1,521.93	1,456.97	64.96	23.428	
11,600.00	9,360.00	9,234.18	9,127.90	52.55	23.19	81.182	-1,917.59	2,469.23	1,499.14	1,431.69	67.44	22.228	
11,700.00	9,360.00	9,273.26	9,158.50	54.45	23.39	82.366	-1,917.52	2,493.53	1,481.30	1,411.39	69.91	21.187	
11,800.00	9,360.00	9,319.79	9,192.66	56.37	23.61	83.695	-1,917.43	2,525.09	1,468.18	1,395.80	72.38	20.284	
11,850.47	9,360.00	9,350.00	9,213.42	57.35	23.76	84.507	-1,917.36	2,547.04	1,463.22	1,389.58	73.64	19.870	
11,900.00	9,360.00	9,375.27	9,229.89	58.30	23.87	85.152	-1,917.30	2,566.21	1,459.33	1,384.46	74.87	19.492	
11,947.89	9,360.00	9,405.47	9,248.42	59.23	24.00	85.879	-1,917.23	2,590.04	1,456.41	1,380.33	76.08	19.144	
12,000.00	9,360.00	9,441.20	9,268.70	60.24	24.14	86.677	-1,917.15	2,619.46	1,454.07	1,376.65	77.42	18.782	
12,045.44	9,360.00	9,474.91	9,286.11	61.13	24.26	87.363	-1,917.06	2,648.32	1,452.64	1,374.01	78.62	18.476	
12,100.00	9,360.00	9,518.54	9,306.08	62.19	24.40	88.150	-1,916.94	2,687.10	1,451.53	1,371.42	80.11	18.120	
12,143.46	9,360.00	9,555.70	9,320.71	63.04	24.51	88.728	-1,916.84	2,721.24	1,451.02	1,369.68	81.34	17.840	
12,200.00	9,360.00	9,606.97	9,337.21	64.15	24.63	89.379	-1,916.70	2,769.77	1,450.69	1,367.69	83.01	17.477	
12,243.30	9,360.00	9,648.16	9,347.28	65.00	24.71	89.777	-1,916.58	2,809.70	1,450.61	1,366.27	84.34	17.199	
12,300.00	9,360.00	9,704.02	9,356.31	66.11	24.78	90.133	-1,916.41	2,864.81	1,450.60	1,364.44	86.16	16.836	
12,300.00	9,360.00	9,704.03	9,356.31	66.11	24.78	90.133	-1,916.41	2,864.81	1,450.60	1,364.44	86.16	16.836	
12,400.00	9,360.00	9,804.55	9,360.00	68.08	24.83	90.279	-1,916.11	2,965.19	1,450.61	1,361.08	89.53	16.203	
12,421.47	9,360.00	9,826.02	9,360.00	68.51	24.84	90.279	-1,916.05	2,986.66	1,450.60	1,360.33	90.27	16.069	
12,500.00	9,360.00	9,904.55	9,360.00	70.06	24.86	90.279	-1,915.82	3,065.19	1,450.60	1,357.59	93.01	15.597	
12,521.47	9,360.00	9,926.02	9,360.00	70.48	24.87	90.279	-1,915.75	3,086.66	1,450.60	1,356.83	93.77	15.469	
12,600.00	9,360.00	10,004.55	9,360.00	72.04	24.95	90.279	-1,915.52	3,165.19	1,450.59	1,354.02	96.58	15.020	
12,621.47	9,360.00	10,026.02	9,360.00	72.46	25.09	90.279	-1,915.45	3,186.66	1,450.59	1,353.24	97.36	14.900	
12,700.00	9,360.00	10,104.55	9,360.00	74.02	26.26	90.279	-1,915.22	3,265.19	1,450.59	1,350.37	100.22	14.474	
12,721.47	9,360.00	10,126.02	9,360.00	74.45	26.63	90.279	-1,915.16	3,286.66	1,450.59	1,349.58	101.01	14.361	
12,800.00	9,360.00	10,204.55	9,360.00	76.01	27.96	90.279	-1,914.92	3,365.19	1,450.58	1,346.66	103.92	13.959	
12,821.47	9,360.00	10,226.02	9,360.00	76.44	28.34	90.279	-1,914.86	3,386.66	1,450.58	1,345.86	104.72	13.851	
12,900.00	9,360.00	10,304.55	9,360.00	78.01	29.71	90.279	-1,914.62	3,465.19	1,450.58	1,342.91	107.67	13.472	
12,921.47	9,360.00	10,326.02	9,360.00	78.44	30.10	90.279	-1,914.56	3,486.66	1,450.58	1,342.09	108.48	13.371	
13,000.00	9,360.00	10,404.55	9,360.00	80.01	31.50	90.279	-1,914.33	3,565.19	1,450.57	1,339.11	111.46	13.014	
13,021.47	9,360.00	10,426.02	9,360.00	80.44	31.90	90.279	-1,914.26	3,586.66	1,450.57	1,338.29	112.28	12.919	
13,100.00	9,360.00	10,504.55	9,360.00	82.01	33.33	90.279	-1,914.03	3,665.19	1,450.57	1,335.28	115.29	12.582	
13,121.47	9,360.00	10,526.02	9,360.00	82.44	33.73	90.279	-1,913.96	3,686.66	1,450.57	1,334.45	116.12	12.492	
13,200.00	9,360.00	10,604.55	9,360.00	84.02	35.18	90.279	-1,913.73	3,765.19	1,450.56	1,331.41	119.15	12.174	
13,221.47	9,360.00	10,626.02	9,360.00	84.45	35.58	90.279	-1,913.66	3,786.66	1,450.56	1,330.58	119.98	12.090	
13,300.00	9,360.00	10,704.55	9,360.00	86.02	37.06	90.279	-1,913.43	3,865.19	1,450.55	1,327.52	123.03	11.790	
13,321.47	9,360.00	10,726.02	9,360.00	86.46	37.46	90.279	-1,913.37	3,886.66	1,450.55	1,326.68	123.87	11.710	
13,400.00	9,360.00	10,804.55	9,360.00	88.04	38.95	90.279	-1,913.13	3,965.19	1,450.55	1,323.61	126.94	11.427	
13,421.47	9,360.00	10,826.02	9,360.00	88.47	39.36	90.279	-1,913.07	3,986.66	1,450.55	1,322.76	127.78	11.352	
13,500.00	9,360.00	10,904.55	9,360.00	90.05	40.86	90.279	-1,912.83	4,065.19	1,450.54	1,319.68	130.87	11.084	
13,521.47	9,360.00	10,926.02	9,360.00	90.48	41.28	90.279	-1,912.77	4,086.66	1,450.54	1,318.83	131.71	11.013	
13,600.00	9,360.00	11,004.55	9,360.00	92.07	42.79	90.279	-1,912.54	4,165.19	1,450.54	1,315.73	134.81	10.760	
13,621.47	9,360.00	11,026.02	9,360.00	92.50	43.20	90.279	-1,912.47	4,186.66	1,450.54	1,314.87	135.66	10.692	
13,700.00	9,360.00	11,104.55	9,360.00	94.08	44.73	90.279	-1,912.24	4,265.19	1,450.53	1,311.76	138.77	10.453	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 32-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		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	
13,721.47	9,360.00	11,126.02	9,360.00	94.52	45.15	90.279	-1,912.17	4,286.66	1,450.53	1,310.91	139.62	10.389	
13,800.00	9,360.00	11,204.55	9,360.00	96.11	46.68	90.279	-1,911.94	4,365.19	1,450.53	1,307.78	142.74	10.162	
13,821.47	9,360.00	11,226.02	9,360.00	96.54	47.10	90.279	-1,911.88	4,386.66	1,450.53	1,306.93	143.60	10.101	
13,900.00	9,360.00	11,304.55	9,360.00	98.13	48.64	90.279	-1,911.64	4,465.19	1,450.52	1,303.79	146.73	9.886	
13,921.47	9,360.00	11,326.02	9,360.00	98.56	49.06	90.279	-1,911.58	4,486.66	1,450.52	1,302.94	147.58	9.828	
14,000.00	9,360.00	11,404.55	9,360.00	100.15	50.61	90.279	-1,911.34	4,565.19	1,450.52	1,299.79	150.72	9.624	
14,021.47	9,360.00	11,426.02	9,360.00	100.59	51.03	90.279	-1,911.28	4,586.66	1,450.51	1,298.93	151.58	9.569	
14,100.00	9,360.00	11,504.55	9,360.00	102.18	52.58	90.279	-1,911.04	4,665.19	1,450.51	1,295.78	154.73	9.375	
14,121.47	9,360.00	11,526.02	9,360.00	102.62	53.01	90.279	-1,910.98	4,686.66	1,450.51	1,294.92	155.59	9.323	
14,200.00	9,360.00	11,604.55	9,360.00	104.21	54.57	90.279	-1,910.75	4,765.19	1,450.50	1,291.77	158.74	9.138	
14,221.47	9,360.00	11,626.02	9,360.00	104.65	54.99	90.279	-1,910.68	4,786.66	1,450.50	1,290.90	159.60	9.088	
14,300.00	9,360.00	11,704.55	9,360.00	106.24	56.56	90.279	-1,910.45	4,865.19	1,450.50	1,287.74	162.76	8.912	
14,321.47	9,360.00	11,726.02	9,360.00	106.68	56.98	90.279	-1,910.38	4,886.66	1,450.50	1,286.87	163.62	8.865	
14,400.00	9,360.00	11,804.55	9,360.00	108.27	58.55	90.279	-1,910.15	4,965.19	1,450.49	1,283.71	166.79	8.697	
14,421.47	9,360.00	11,826.02	9,360.00	108.71	58.98	90.279	-1,910.09	4,986.65	1,450.49	1,282.84	167.65	8.652	
14,500.00	9,360.00	11,904.55	9,360.00	110.30	60.55	90.279	-1,909.85	5,065.19	1,450.49	1,279.67	170.82	8.491	
14,521.47	9,360.00	11,926.02	9,360.00	110.74	60.98	90.279	-1,909.79	5,086.65	1,450.49	1,278.80	171.69	8.448	
14,600.00	9,360.00	12,004.55	9,360.00	112.34	62.56	90.279	-1,909.55	5,165.18	1,450.48	1,275.62	174.86	8.295	
14,621.47	9,360.00	12,026.02	9,360.00	112.78	62.99	90.279	-1,909.49	5,186.65	1,450.48	1,274.75	175.73	8.254	
14,700.00	9,360.00	12,104.55	9,360.00	114.38	64.56	90.279	-1,909.26	5,265.18	1,450.48	1,271.57	178.90	8.108	
14,721.47	9,360.00	12,126.02	9,360.00	114.81	65.00	90.279	-1,909.19	5,286.65	1,450.47	1,270.70	179.77	8.068	
14,800.00	9,360.00	12,204.55	9,360.00	116.41	66.58	90.279	-1,908.96	5,365.18	1,450.47	1,267.52	182.95	7.928	
14,821.47	9,360.00	12,226.02	9,360.00	116.85	67.01	90.279	-1,908.89	5,386.65	1,450.47	1,266.64	183.82	7.891	
14,900.00	9,360.00	12,304.55	9,360.00	118.45	68.59	90.279	-1,908.66	5,465.18	1,450.46	1,263.46	187.01	7.756	
14,921.47	9,360.00	12,326.02	9,360.00	118.89	69.03	90.279	-1,908.60	5,486.65	1,450.46	1,262.58	187.88	7.720	
15,000.00	9,360.00	12,404.55	9,360.00	120.49	70.61	90.279	-1,908.36	5,565.18	1,450.46	1,259.39	191.07	7.591	
15,021.47	9,360.00	12,426.02	9,360.00	120.93	71.05	90.279	-1,908.30	5,586.65	1,450.46	1,258.52	191.94	7.557	
15,100.00	9,360.00	12,504.55	9,360.00	122.53	72.63	90.279	-1,908.06	5,665.18	1,450.45	1,255.32	195.13	7.433	
15,121.47	9,360.00	12,526.02	9,360.00	122.97	73.07	90.279	-1,908.00	5,686.65	1,450.45	1,254.45	196.00	7.400	
15,200.00	9,360.00	12,604.55	9,360.00	124.57	74.66	90.279	-1,907.76	5,765.18	1,450.45	1,251.25	199.19	7.282	
15,221.47	9,360.00	12,626.02	9,360.00	125.01	75.09	90.279	-1,907.70	5,786.65	1,450.45	1,250.38	200.07	7.250	
15,300.00	9,360.00	12,704.55	9,360.00	126.61	76.68	90.279	-1,907.47	5,865.18	1,450.44	1,247.18	203.26	7.136	
15,321.47	9,360.00	12,726.02	9,360.00	127.05	77.12	90.279	-1,907.40	5,886.65	1,450.44	1,246.30	204.14	7.105	
15,400.00	9,360.00	12,804.55	9,360.00	128.66	78.71	90.279	-1,907.17	5,965.18	1,450.44	1,243.10	207.34	6.996	
15,421.47	9,360.00	12,826.02	9,360.00	129.10	79.15	90.279	-1,907.10	5,986.65	1,450.43	1,242.22	208.21	6.966	
15,500.00	9,360.00	12,904.55	9,360.00	130.70	80.74	90.279	-1,906.87	6,065.18	1,450.43	1,239.02	211.41	6.861	
15,521.47	9,360.00	12,926.02	9,360.00	131.14	81.18	90.279	-1,906.81	6,086.65	1,450.43	1,238.14	212.29	6.832	
15,600.00	9,360.00	13,004.55	9,360.00	132.75	82.78	90.279	-1,906.57	6,165.18	1,450.42	1,234.94	215.49	6.731	
15,621.47	9,360.00	13,026.02	9,360.00	133.18	83.21	90.279	-1,906.51	6,186.65	1,450.42	1,234.06	216.37	6.704	
15,700.00	9,360.00	13,104.55	9,360.00	134.79	84.81	90.279	-1,906.27	6,265.18	1,450.42	1,230.85	219.57	6.606	
15,721.47	9,360.00	13,126.02	9,360.00	135.23	85.25	90.279	-1,906.21	6,286.65	1,450.42	1,229.97	220.45	6.579	
15,800.00	9,360.00	13,204.55	9,360.00	136.84	86.85	90.279	-1,905.98	6,365.18	1,450.41	1,226.76	223.65	6.485	
15,821.47	9,360.00	13,226.02	9,360.00	137.28	87.29	90.279	-1,905.91	6,386.65	1,450.41	1,225.88	224.53	6.460	
15,900.00	9,360.00	13,304.55	9,360.00	138.88	88.89	90.279	-1,905.68	6,465.18	1,450.41	1,222.67	227.74	6.369	
15,921.47	9,360.00	13,326.02	9,360.00	139.32	89.32	90.279	-1,905.61	6,486.65	1,450.41	1,221.79	228.61	6.344	
16,000.00	9,360.00	13,404.55	9,360.00	140.93	90.93	90.279	-1,905.38	6,565.18	1,450.40	1,218.58	231.82	6.256	
16,021.47	9,360.00	13,426.02	9,360.00	141.37	91.36	90.279	-1,905.31	6,586.65	1,450.40	1,217.70	232.70	6.233	
16,100.00	9,360.00	13,504.55	9,360.00	142.98	92.97	90.279	-1,905.08	6,665.18	1,450.40	1,214.48	235.91	6.148	
16,121.47	9,360.00	13,526.02	9,360.00	143.42	93.40	90.279	-1,905.02	6,686.65	1,450.40	1,213.60	236.79	6.125	
16,200.00	9,360.00	13,604.55	9,360.00	145.03	95.01	90.279	-1,904.78	6,765.18	1,450.39	1,210.39	240.00	6.043	
16,221.47	9,360.00	13,626.02	9,360.00	145.47	95.45	90.279	-1,904.72	6,786.65	1,450.39	1,209.51	240.88	6.021	
16,300.00	9,360.00	13,704.55	9,360.00	147.08	97.05	90.279	-1,904.48	6,865.18	1,450.39	1,206.29	244.10	5.942	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 32-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside 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)			
16,321.47	9,360.00	13,726.02	9,360.00	147.52	97.49	90.279	-1,904.42	6,886.65	1,450.38	1,205.41	244.98	5.921	
16,400.00	9,360.00	13,804.55	9,360.00	149.13	99.09	90.279	-1,904.19	6,965.18	1,450.38	1,202.19	248.19	5.844	
16,421.47	9,360.00	13,826.02	9,360.00	149.57	99.53	90.279	-1,904.12	6,986.65	1,450.38	1,201.31	249.07	5.823	
16,500.00	9,360.00	13,904.55	9,360.00	151.18	101.14	90.279	-1,903.89	7,065.18	1,450.37	1,198.09	252.29	5.749	
16,521.47	9,360.00	13,926.02	9,360.00	151.62	101.58	90.279	-1,903.82	7,086.65	1,450.37	1,197.21	253.17	5.729	
16,600.00	9,360.00	14,004.55	9,360.00	153.23	103.19	90.279	-1,903.59	7,165.18	1,450.37	1,193.98	256.38	5.657	
16,621.47	9,360.00	14,026.02	9,360.00	153.67	103.63	90.279	-1,903.53	7,186.64	1,450.37	1,193.10	257.26	5.638	
16,700.00	9,360.00	14,104.55	9,360.00	155.28	105.23	90.279	-1,903.29	7,265.18	1,450.36	1,189.88	260.48	5.568	
16,721.47	9,360.00	14,126.02	9,360.00	155.72	105.67	90.279	-1,903.23	7,286.64	1,450.36	1,189.00	261.36	5.549	
16,800.00	9,360.00	14,204.55	9,360.00	157.33	107.28	90.279	-1,902.99	7,365.17	1,450.36	1,185.77	264.58	5.482	
16,821.47	9,360.00	14,226.02	9,360.00	157.78	107.72	90.279	-1,902.93	7,386.64	1,450.36	1,184.89	265.46	5.463	
16,900.00	9,360.00	14,304.55	9,360.00	159.39	109.33	90.279	-1,902.69	7,465.17	1,450.35	1,181.67	268.68	5.398	
16,921.47	9,360.00	14,326.02	9,360.00	159.83	109.77	90.279	-1,902.63	7,486.64	1,450.35	1,180.78	269.57	5.380	
17,000.00	9,360.00	14,404.55	9,360.00	161.44	111.38	90.279	-1,902.40	7,565.17	1,450.35	1,177.56	272.79	5.317	
17,021.47	9,360.00	14,426.02	9,360.00	161.88	111.82	90.279	-1,902.33	7,586.64	1,450.34	1,176.68	273.67	5.300	
17,100.00	9,360.00	14,504.55	9,360.00	163.49	113.43	90.279	-1,902.10	7,665.17	1,450.34	1,173.45	276.89	5.238	
17,121.47	9,360.00	14,526.02	9,360.00	163.93	113.87	90.279	-1,902.03	7,686.64	1,450.34	1,172.57	277.77	5.221	
17,200.00	9,360.00	14,604.55	9,360.00	165.55	115.48	90.279	-1,901.80	7,765.17	1,450.33	1,169.34	281.00	5.161	
17,221.47	9,360.00	14,626.02	9,360.00	165.99	115.92	90.279	-1,901.74	7,786.64	1,450.33	1,168.46	281.88	5.145	
17,300.00	9,360.00	14,704.55	9,360.00	167.60	117.53	90.279	-1,901.50	7,865.17	1,450.33	1,165.23	285.10	5.087	
17,321.47	9,360.00	14,726.02	9,360.00	168.04	117.97	90.279	-1,901.44	7,886.64	1,450.33	1,164.34	285.98	5.071	
17,400.00	9,360.00	14,804.55	9,360.00	169.66	119.58	90.279	-1,901.20	7,965.17	1,450.32	1,161.11	289.21	5.015	
17,421.47	9,360.00	14,826.02	9,360.00	170.10	120.02	90.279	-1,901.14	7,986.64	1,450.32	1,160.23	290.09	5.000	
17,500.00	9,360.00	14,904.55	9,360.00	171.71	121.64	90.279	-1,900.91	8,065.17	1,450.32	1,157.00	293.32	4.945	
17,521.47	9,360.00	14,926.02	9,360.00	172.15	122.08	90.279	-1,900.84	8,086.64	1,450.32	1,156.12	294.20	4.930	
17,600.00	9,360.00	15,004.55	9,360.00	173.77	123.69	90.279	-1,900.61	8,165.17	1,450.31	1,152.89	297.42	4.876	
17,621.47	9,360.00	15,026.02	9,360.00	174.21	124.13	90.279	-1,900.54	8,186.64	1,450.31	1,152.00	298.31	4.862	
17,700.00	9,360.00	15,104.55	9,360.00	175.82	125.74	90.279	-1,900.31	8,265.17	1,450.31	1,148.77	301.53	4.810	
17,721.47	9,360.00	15,126.02	9,360.00	176.26	126.18	90.279	-1,900.25	8,286.64	1,450.30	1,147.89	302.42	4.796	
17,800.00	9,360.00	15,204.55	9,360.00	177.88	127.80	90.279	-1,900.01	8,365.17	1,450.30	1,144.66	305.64	4.745	
17,821.47	9,360.00	15,226.02	9,360.00	178.32	128.24	90.279	-1,899.95	8,386.64	1,450.30	1,143.77	306.53	4.731	
17,900.00	9,360.00	15,304.55	9,360.00	179.93	129.85	90.279	-1,899.71	8,465.17	1,450.29	1,140.54	309.76	4.682	
17,921.47	9,360.00	15,326.02	9,360.00	180.38	130.29	90.279	-1,899.65	8,486.64	1,450.29	1,139.65	310.64	4.669	
18,000.00	9,360.00	15,404.55	9,360.00	181.99	131.91	90.279	-1,899.41	8,565.17	1,450.29	1,136.42	313.87	4.621	
18,021.47	9,360.00	15,426.02	9,360.00	182.43	132.35	90.279	-1,899.35	8,586.64	1,450.29	1,135.54	314.75	4.608	
18,100.00	9,360.00	15,504.55	9,360.00	184.05	133.96	90.279	-1,899.12	8,665.17	1,450.28	1,132.30	317.98	4.561	
18,121.47	9,360.00	15,526.02	9,360.00	184.49	134.40	90.279	-1,899.05	8,686.64	1,450.28	1,131.42	318.86	4.548	
18,200.00	9,360.00	15,604.55	9,360.00	186.11	136.02	90.279	-1,898.82	8,765.17	1,450.28	1,128.18	322.09	4.503	
18,221.47	9,360.00	15,626.02	9,360.00	186.55	136.46	90.279	-1,898.75	8,786.64	1,450.28	1,127.30	322.98	4.490	
18,300.00	9,360.00	15,704.55	9,360.00	188.16	138.07	90.279	-1,898.52	8,865.17	1,450.27	1,124.06	326.21	4.446	
18,321.47	9,360.00	15,726.02	9,360.00	188.61	138.52	90.279	-1,898.46	8,886.64	1,450.27	1,123.18	327.09	4.434	
18,400.00	9,360.00	15,804.55	9,360.00	190.22	140.13	90.279	-1,898.22	8,965.17	1,450.27	1,119.94	330.32	4.390	
18,421.47	9,360.00	15,826.02	9,360.00	190.66	140.57	90.279	-1,898.16	8,986.64	1,450.27	1,119.06	331.21	4.379	
18,500.00	9,360.00	15,904.55	9,360.00	192.28	142.19	90.279	-1,897.92	9,065.17	1,450.26	1,115.82	334.44	4.336	
18,521.47	9,360.00	15,926.02	9,360.00	192.72	142.63	90.279	-1,897.86	9,086.64	1,450.26	1,114.94	335.32	4.325	
18,600.00	9,360.00	16,004.55	9,360.00	194.34	144.25	90.279	-1,897.63	9,165.17	1,450.26	1,111.70	338.55	4.284	
18,621.47	9,360.00	16,026.02	9,360.00	194.78	144.69	90.279	-1,897.56	9,186.64	1,450.25	1,110.82	339.44	4.273	
18,700.00	9,360.00	16,104.55	9,360.00	196.40	146.30	90.279	-1,897.33	9,265.17	1,450.25	1,107.58	342.67	4.232	
18,721.47	9,360.00	16,126.02	9,360.00	196.84	146.75	90.279	-1,897.26	9,286.64	1,450.25	1,106.69	343.55	4.221	
18,800.00	9,360.00	16,204.55	9,360.00	198.46	148.36	90.279	-1,897.03	9,365.17	1,450.24	1,103.46	346.79	4.182	
18,821.47	9,360.00	16,226.02	9,360.00	198.90	148.80	90.279	-1,896.96	9,386.64	1,450.24	1,102.57	347.67	4.171	
18,900.00	9,360.00	16,304.55	9,360.00	200.51	150.42	90.279	-1,896.73	9,465.17	1,450.24	1,099.33	350.90	4.133	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 32-34 FED COM 207H - 207H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside 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)			
18,921.47	9,360.00	16,326.02	9,360.00	200.96	150.86	90.279	-1,896.67	9,486.63	1,450.24	1,098.45	351.79	4.122	
19,000.00	9,360.00	16,404.55	9,360.00	202.57	152.48	90.279	-1,896.43	9,565.17	1,450.23	1,095.21	355.02	4.085	
19,021.47	9,360.00	16,426.02	9,360.00	203.02	152.92	90.279	-1,896.37	9,586.63	1,450.23	1,094.32	355.91	4.075	
19,100.00	9,360.00	16,504.55	9,360.00	204.63	154.54	90.279	-1,896.13	9,665.16	1,450.23	1,091.09	359.14	4.038	
19,121.47	9,360.00	16,526.02	9,360.00	205.08	154.98	90.279	-1,896.07	9,686.63	1,450.23	1,090.20	360.03	4.028	
19,200.00	9,360.00	16,604.55	9,360.00	206.69	156.60	90.279	-1,895.84	9,765.16	1,450.22	1,086.96	363.26	3.992	
19,221.47	9,360.00	16,626.02	9,360.00	207.13	157.04	90.279	-1,895.77	9,786.63	1,450.22	1,086.08	364.14	3.983	
19,300.00	9,360.00	16,704.55	9,360.00	208.75	158.66	90.279	-1,895.54	9,865.16	1,450.22	1,082.84	367.38	3.947	
19,321.47	9,360.00	16,726.02	9,360.00	209.19	159.10	90.279	-1,895.47	9,886.63	1,450.21	1,081.95	368.26	3.938	
19,400.00	9,360.00	16,804.55	9,360.00	210.81	160.72	90.279	-1,895.24	9,965.16	1,450.21	1,078.71	371.50	3.904	
19,421.47	9,360.00	16,826.02	9,360.00	211.25	161.16	90.279	-1,895.18	9,986.63	1,450.21	1,077.82	372.38	3.894	
19,500.00	9,360.00	16,904.55	9,360.00	212.87	162.78	90.279	-1,894.94	10,065.16	1,450.20	1,074.58	375.62	3.861	
19,521.47	9,360.00	16,926.02	9,360.00	213.32	163.22	90.279	-1,894.88	10,086.63	1,450.20	1,073.70	376.50	3.852	
19,600.00	9,360.00	17,004.55	9,360.00	214.93	164.84	90.279	-1,894.64	10,165.16	1,450.20	1,070.46	379.74	3.819	
19,621.47	9,360.00	17,026.02	9,360.00	215.38	165.28	90.279	-1,894.58	10,186.63	1,450.20	1,069.57	380.63	3.810	
19,700.00	9,360.00	17,104.55	9,360.00	216.99	166.90	90.279	-1,894.35	10,265.16	1,450.19	1,066.33	383.86	3.778	
19,721.47	9,360.00	17,126.02	9,360.00	217.44	167.34	90.279	-1,894.28	10,286.63	1,450.19	1,065.44	384.75	3.769	
19,800.00	9,360.00	17,204.55	9,360.00	219.05	168.96	90.279	-1,894.05	10,365.16	1,450.19	1,062.20	387.98	3.738	
19,821.47	9,360.00	17,226.02	9,360.00	219.50	169.40	90.279	-1,893.98	10,386.63	1,450.19	1,061.32	388.87	3.729	
19,900.00	9,360.00	17,304.55	9,360.00	221.12	171.02	90.279	-1,893.75	10,465.16	1,450.18	1,058.08	392.11	3.698	
19,921.47	9,360.00	17,326.02	9,360.00	221.56	171.46	90.279	-1,893.68	10,486.63	1,450.18	1,057.19	392.99	3.690	
20,000.00	9,360.00	17,404.55	9,360.00	223.18	173.08	90.279	-1,893.45	10,565.16	1,450.18	1,053.95	396.23	3.660	
20,021.47	9,360.00	17,426.02	9,360.00	223.62	173.52	90.279	-1,893.39	10,586.63	1,450.17	1,053.06	397.11	3.652	
20,100.00	9,360.00	17,504.55	9,360.00	225.24	175.14	90.279	-1,893.15	10,665.16	1,450.17	1,049.82	400.35	3.622	
20,121.47	9,360.00	17,526.02	9,360.00	225.68	175.58	90.279	-1,893.09	10,686.63	1,450.17	1,048.93	401.24	3.614	
20,200.00	9,360.00	17,604.55	9,360.00	227.30	177.20	90.279	-1,892.85	10,765.16	1,450.16	1,045.69	404.47	3.585	
20,221.47	9,360.00	17,626.02	9,360.00	227.74	177.65	90.279	-1,892.79	10,786.63	1,450.16	1,044.80	405.36	3.577	
20,300.00	9,360.00	17,704.55	9,360.00	229.36	179.26	90.279	-1,892.56	10,865.16	1,450.16	1,041.56	408.60	3.549	
20,321.47	9,360.00	17,726.02	9,360.00	229.80	179.71	90.279	-1,892.49	10,886.63	1,450.16	1,040.68	409.48	3.541	
20,400.00	9,360.00	17,804.55	9,360.00	231.42	181.33	90.279	-1,892.26	10,965.16	1,450.15	1,037.43	412.72	3.514	
20,421.47	9,360.00	17,826.02	9,360.00	231.87	181.77	90.279	-1,892.19	10,986.63	1,450.15	1,036.55	413.61	3.506	
20,500.00	9,360.00	17,904.55	9,360.00	233.49	183.39	90.279	-1,891.96	11,065.16	1,450.15	1,033.30	416.84	3.479	
20,521.47	9,360.00	17,926.02	9,360.00	233.93	183.83	90.279	-1,891.90	11,086.63	1,450.15	1,032.42	417.73	3.471	
20,600.00	9,360.00	18,004.55	9,360.00	235.55	185.45	90.279	-1,891.66	11,165.16	1,450.14	1,029.17	420.97	3.445	
20,621.47	9,360.00	18,026.02	9,360.00	235.99	185.89	90.279	-1,891.60	11,186.63	1,450.14	1,028.29	421.85	3.438	
20,700.00	9,360.00	18,104.55	9,360.00	237.61	187.51	90.279	-1,891.36	11,265.16	1,450.14	1,025.04	425.09	3.411	
20,721.47	9,360.00	18,126.02	9,360.00	238.05	187.96	90.279	-1,891.30	11,286.63	1,450.14	1,024.16	425.98	3.404	
20,800.00	9,360.00	18,204.55	9,360.00	239.67	189.58	90.279	-1,891.06	11,365.16	1,450.13	1,020.91	429.22	3.379	
20,821.47	9,360.00	18,226.02	9,360.00	240.11	190.02	90.279	-1,891.00	11,386.63	1,450.13	1,020.03	430.10	3.372	
20,900.00	9,360.00	18,304.55	9,360.00	241.73	191.64	90.279	-1,890.77	11,465.16	1,450.13	1,016.78	433.34	3.346	
20,921.47	9,360.00	18,326.02	9,360.00	242.18	192.08	90.279	-1,890.70	11,486.63	1,450.12	1,015.89	434.23	3.340	
21,000.00	9,360.00	18,404.55	9,360.00	243.80	193.70	90.279	-1,890.47	11,565.16	1,450.12	1,012.65	437.47	3.315	
21,021.47	9,360.00	18,426.02	9,360.00	244.24	194.14	90.279	-1,890.40	11,586.63	1,450.12	1,011.76	438.35	3.308	
21,100.00	9,360.00	18,504.55	9,360.00	245.86	195.76	90.279	-1,890.17	11,665.16	1,450.11	1,008.52	441.59	3.284	
21,121.47	9,360.00	18,526.02	9,360.00	246.30	196.21	90.279	-1,890.11	11,686.62	1,450.11	1,007.63	442.48	3.277	
21,200.00	9,360.00	18,604.55	9,360.00	247.92	197.83	90.279	-1,889.87	11,765.16	1,450.11	1,004.39	445.72	3.253	
21,221.47	9,360.00	18,626.02	9,360.00	248.37	198.27	90.279	-1,889.81	11,786.62	1,450.11	1,003.50	446.61	3.247	
21,300.00	9,360.00	18,704.55	9,360.00	249.99	199.89	90.279	-1,889.57	11,865.15	1,450.10	1,000.26	449.85	3.224	
21,321.47	9,360.00	18,726.02	9,360.00	250.43	200.33	90.279	-1,889.51	11,886.62	1,450.10	999.37	450.73	3.217	
21,400.00	9,360.00	18,804.55	9,360.00	252.05	201.95	90.279	-1,889.28	11,965.15	1,450.10	996.12	453.97	3.194	
21,421.47	9,360.00	18,826.02	9,360.00	252.49	202.40	90.279	-1,889.21	11,986.62	1,450.10	995.24	454.86	3.188	
21,500.00	9,360.00	18,904.55	9,360.00	254.11	204.02	90.279	-1,888.98	12,065.15	1,450.09	991.99	458.10	3.165	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 32-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside 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)		
21,521.47	9,360.00	18,926.02	9,360.00	254.55	204.46	90.279	-1,888.91	12,086.62	1,450.09	991.10	458.99	3.159	
21,600.00	9,360.00	19,004.55	9,360.00	256.17	206.08	90.279	-1,888.68	12,165.15	1,450.09	987.86	462.23	3.137	
21,621.47	9,360.00	19,026.02	9,360.00	256.62	206.52	90.279	-1,888.62	12,186.62	1,450.08	986.97	463.11	3.131	
21,700.00	9,360.00	19,104.55	9,360.00	258.24	208.14	90.279	-1,888.38	12,265.15	1,450.08	983.73	466.35	3.109	
21,721.47	9,360.00	19,126.02	9,360.00	258.68	208.59	90.279	-1,888.32	12,286.62	1,450.08	982.84	467.24	3.103	
21,800.00	9,360.00	19,204.55	9,360.00	260.30	210.21	90.279	-1,888.08	12,365.15	1,450.07	979.59	470.48	3.082	
21,821.47	9,360.00	19,226.02	9,360.00	260.74	210.65	90.279	-1,888.02	12,386.62	1,450.07	978.71	471.37	3.076	
21,900.00	9,360.00	19,304.55	9,360.00	262.37	212.27	90.279	-1,887.78	12,465.15	1,450.07	975.46	474.61	3.055	
21,921.47	9,360.00	19,326.02	9,360.00	262.81	212.71	90.279	-1,887.72	12,486.62	1,450.07	974.57	475.49	3.050	
22,000.00	9,360.00	19,404.55	9,360.00	264.43	214.34	90.279	-1,887.49	12,565.15	1,450.06	971.33	478.74	3.029	
22,021.47	9,360.00	19,426.02	9,360.00	264.87	214.78	90.279	-1,887.42	12,586.62	1,450.06	970.44	479.62	3.023	
22,100.00	9,360.00	19,504.55	9,360.00	266.49	216.40	90.279	-1,887.19	12,665.15	1,450.06	967.19	482.86	3.003	
22,121.47	9,360.00	19,526.02	9,360.00	266.94	216.84	90.279	-1,887.12	12,686.62	1,450.06	966.31	483.75	2.998	
22,200.00	9,360.00	19,604.55	9,360.00	268.56	218.46	90.279	-1,886.89	12,765.15	1,450.05	963.06	486.99	2.978	
22,221.47	9,360.00	19,626.02	9,360.00	269.00	218.91	90.279	-1,886.83	12,786.62	1,450.05	962.17	487.88	2.972	
22,300.00	9,360.00	19,704.55	9,360.00	270.62	220.53	90.279	-1,886.59	12,865.15	1,450.05	958.93	491.12	2.953	
22,321.47	9,360.00	19,726.02	9,360.00	271.06	220.97	90.279	-1,886.53	12,886.62	1,450.04	958.04	492.01	2.947	
22,400.00	9,360.00	19,804.55	9,360.00	272.68	222.59	90.279	-1,886.29	12,965.15	1,450.04	954.79	495.25	2.928	
22,421.47	9,360.00	19,826.02	9,360.00	273.13	223.04	90.279	-1,886.23	12,986.62	1,450.04	953.90	496.14	2.923	
22,500.00	9,360.00	19,904.55	9,360.00	274.75	224.66	90.279	-1,886.00	13,065.15	1,450.03	950.66	499.38	2.904	
22,521.47	9,360.00	19,926.02	9,360.00	275.19	225.10	90.279	-1,885.93	13,086.62	1,450.03	949.77	500.26	2.899	
22,600.00	9,360.00	20,004.55	9,360.00	276.81	226.72	90.279	-1,885.70	13,165.15	1,450.03	946.52	503.51	2.880	
22,621.47	9,360.00	20,026.02	9,360.00	277.26	227.16	90.279	-1,885.63	13,186.62	1,450.03	945.63	504.39	2.875	
22,700.00	9,360.00	20,104.55	9,360.00	278.88	228.79	90.279	-1,885.40	13,265.15	1,450.02	942.39	507.64	2.856	
22,715.34	9,360.00	20,119.89	9,360.00	279.19	229.10	90.279	-1,885.35	13,280.49	1,450.02	941.75	508.27	2.853	
22,771.47	9,360.00	20,176.02	9,360.00	280.35	230.26	90.279	-1,885.19	13,336.61	1,450.02	939.43	510.59	2.840 CC, ES, SF	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1				Rule Assigned:									Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		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)	Minimum Separation (usft)		Separation Factor	
10,000.00	9,360.00	9,481.90	9,349.01	25.96	28.25	90.000	-1,317.94	2,353.29	1,981.77	1,949.44	32.33	61.291		
10,100.00	9,360.00	9,481.90	9,349.01	27.17	28.25	90.000	-1,317.94	2,353.29	1,891.94	1,859.13	32.81	57.667		
10,200.00	9,360.00	9,481.90	9,349.01	28.49	28.25	90.000	-1,317.94	2,353.29	1,803.18	1,769.74	33.44	53.926		
10,300.00	9,360.00	9,481.90	9,349.01	29.90	28.25	90.000	-1,317.94	2,353.29	1,715.65	1,681.41	34.25	50.096		
10,400.00	9,360.00	9,481.90	9,349.01	31.39	28.25	90.000	-1,317.94	2,353.29	1,629.57	1,594.30	35.26	46.211		
10,500.00	9,360.00	9,481.90	9,349.01	32.95	28.25	90.000	-1,317.94	2,353.29	1,545.15	1,508.64	36.52	42.314		
10,600.00	9,360.00	9,481.90	9,349.01	34.56	28.25	90.000	-1,317.94	2,353.29	1,462.71	1,424.67	38.04	38.454		
10,700.00	9,360.00	9,481.90	9,349.01	36.22	28.25	90.000	-1,317.94	2,353.29	1,382.58	1,342.71	39.87	34.681		
10,800.00	9,360.00	9,481.90	9,349.01	37.93	28.25	90.000	-1,317.94	2,353.29	1,305.20	1,263.16	42.04	31.048		
10,900.00	9,360.00	9,481.90	9,349.01	39.67	28.25	90.000	-1,317.94	2,353.29	1,231.08	1,186.48	44.60	27.606		
11,000.00	9,360.00	9,481.90	9,349.01	41.44	28.25	90.000	-1,317.94	2,353.29	1,160.84	1,113.27	47.57	24.400		
11,100.00	9,360.00	9,481.90	9,349.01	43.24	28.25	90.000	-1,317.94	2,353.29	1,095.25	1,044.25	51.00	21.474		
11,200.00	9,360.00	9,481.90	9,349.01	45.06	28.25	90.000	-1,317.94	2,353.29	1,035.17	980.29	54.88	18.861		
11,300.00	9,360.00	9,481.90	9,349.01	46.91	28.25	90.000	-1,317.94	2,353.29	981.63	922.45	59.18	16.587		
11,400.00	9,360.00	9,481.90	9,349.01	48.77	28.25	90.000	-1,317.94	2,353.29	935.74	871.94	63.80	14.667		
11,500.00	9,360.00	9,481.90	9,349.01	50.65	28.25	90.000	-1,317.94	2,353.29	898.68	830.11	68.57	13.105		
11,600.00	9,360.00	9,481.90	9,349.01	52.55	28.25	90.000	-1,317.94	2,353.29	871.57	798.31	73.26	11.897		
11,700.00	9,360.00	9,481.90	9,349.01	54.45	28.25	90.000	-1,317.94	2,353.29	855.37	777.79	77.58	11.026		
11,789.93	9,360.00	9,481.90	9,349.01	56.18	28.25	90.000	-1,317.94	2,353.29	850.63	769.72	80.91	10.513	CC	
11,800.00	9,360.00	9,481.90	9,349.01	56.37	28.25	90.000	-1,317.94	2,353.29	850.68	769.44	81.24	10.471	ES	
11,900.00	9,360.00	9,481.90	9,349.01	58.30	28.25	90.000	-1,317.94	2,353.29	857.72	773.67	84.04	10.206		
12,000.00	9,360.00	9,481.90	9,349.01	60.24	28.25	90.000	-1,317.94	2,353.29	876.18	790.29	85.89	10.202		
12,100.00	9,360.00	9,481.90	9,349.01	62.19	28.25	90.000	-1,317.94	2,353.29	905.37	818.58	86.80	10.431		
12,200.00	9,360.00	9,481.90	9,349.01	64.15	28.25	90.000	-1,317.94	2,353.29	944.31	857.41	86.90	10.866		
12,300.00	9,360.00	9,481.90	9,349.01	66.11	28.25	90.000	-1,317.94	2,353.29	991.83	905.46	86.37	11.484		
12,400.00	9,360.00	9,481.90	9,349.01	68.08	28.25	90.000	-1,317.94	2,353.29	1,046.78	961.40	85.38	12.261		
12,500.00	9,360.00	9,481.90	9,349.01	70.06	28.25	90.000	-1,317.94	2,353.29	1,108.04	1,023.95	84.09	13.177		
12,600.00	9,360.00	9,481.90	9,349.01	72.04	28.25	90.000	-1,317.94	2,353.29	1,174.64	1,092.01	82.62	14.216		
12,700.00	9,360.00	10,972.09	10,175.00	74.02	33.85	134.160	-1,315.22	3,263.40	1,185.64	1,099.20	86.43	13.717		
12,721.13	9,360.00	10,993.23	10,175.00	74.44	34.05	134.160	-1,315.16	3,284.54	1,185.64	1,098.67	86.97	13.633		
12,800.00	9,360.00	11,072.09	10,175.00	76.01	34.85	134.160	-1,314.93	3,363.40	1,185.63	1,096.64	89.00	13.322		
12,821.13	9,360.00	11,093.23	10,175.00	76.44	35.07	134.160	-1,314.86	3,384.54	1,185.63	1,096.09	89.54	13.241		
12,900.00	9,360.00	11,172.09	10,175.00	78.01	35.97	134.160	-1,314.63	3,463.40	1,185.63	1,094.03	91.60	12.943		
12,921.13	9,360.00	11,193.23	10,175.00	78.43	36.22	134.160	-1,314.57	3,484.54	1,185.63	1,093.47	92.16	12.866		
13,000.00	9,360.00	11,272.09	10,175.00	80.01	37.21	134.160	-1,314.33	3,563.40	1,185.62	1,091.38	94.25	12.580		
13,021.13	9,360.00	11,293.23	10,175.00	80.43	37.49	134.161	-1,314.27	3,584.54	1,185.62	1,090.81	94.81	12.505		
13,100.00	9,360.00	11,372.09	10,175.00	82.01	38.56	134.161	-1,314.03	3,663.40	1,185.62	1,088.69	96.93	12.231		
13,121.13	9,360.00	11,393.23	10,175.00	82.43	38.85	134.161	-1,313.97	3,684.54	1,185.62	1,088.12	97.50	12.160		
13,200.00	9,360.00	11,472.09	10,175.00	84.02	39.99	134.161	-1,313.73	3,763.40	1,185.62	1,085.97	99.65	11.898		
13,221.13	9,360.00	11,493.23	10,175.00	84.44	40.30	134.161	-1,313.67	3,784.54	1,185.62	1,085.39	100.23	11.829		
13,300.00	9,360.00	11,572.09	10,175.00	86.02	41.49	134.161	-1,313.44	3,863.40	1,185.61	1,083.21	102.40	11.578		
13,321.13	9,360.00	11,593.23	10,175.00	86.45	41.81	134.161	-1,313.37	3,884.54	1,185.61	1,082.63	102.98	11.513		
13,400.00	9,360.00	11,672.09	10,175.00	88.04	43.06	134.161	-1,313.14	3,963.40	1,185.61	1,080.43	105.18	11.272		
13,421.13	9,360.00	11,693.23	10,175.00	88.46	43.39	134.161	-1,313.07	3,984.53	1,185.61	1,079.84	105.77	11.210		
13,500.00	9,360.00	11,772.09	10,175.00	90.05	44.68	134.161	-1,312.84	4,063.40	1,185.60	1,077.62	107.98	10.980		
13,521.13	9,360.00	11,793.23	10,175.00	90.48	45.02	134.161	-1,312.78	4,084.53	1,185.60	1,077.03	108.58	10.920		
13,600.00	9,360.00	11,872.09	10,175.00	92.07	46.34	134.162	-1,312.54	4,163.40	1,185.60	1,074.79	110.81	10.700		
13,621.13	9,360.00	11,893.23	10,175.00	92.49	46.70	134.162	-1,312.48	4,184.53	1,185.60	1,074.19	111.41	10.642		
13,700.00	9,360.00	11,972.09	10,175.00	94.08	48.05	134.162	-1,312.24	4,263.40	1,185.60	1,071.94	113.66	10.431		
13,721.13	9,360.00	11,993.23	10,175.00	94.51	48.41	134.162	-1,312.18	4,284.53	1,185.60	1,071.34	114.26	10.376		
13,800.00	9,360.00	12,072.09	10,175.00	96.11	49.78	134.162	-1,311.94	4,363.40	1,185.59	1,069.07	116.52	10.175		
13,821.13	9,360.00	12,093.23	10,175.00	96.53	50.15	134.162	-1,311.88	4,384.53	1,185.59	1,068.46	117.13	10.122		

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,900.00	9,360.00	12,172.09	10,175.00	98.13	51.55	134.162	-1,311.65	4,463.40	1,185.59	1,066.18	119.41	9.929	
13,921.13	9,360.00	12,193.23	10,175.00	98.56	51.93	134.162	-1,311.58	4,484.53	1,185.59	1,065.57	120.02	9.878	
14,000.00	9,360.00	12,272.09	10,175.00	100.15	53.34	134.162	-1,311.35	4,563.40	1,185.58	1,063.27	122.31	9.693	
14,021.13	9,360.00	12,293.23	10,175.00	100.58	53.72	134.162	-1,311.28	4,584.53	1,185.58	1,062.66	122.93	9.645	
14,100.00	9,360.00	12,372.09	10,175.00	102.18	55.16	134.163	-1,311.05	4,663.40	1,185.58	1,060.35	125.23	9.467	
14,121.13	9,360.00	12,393.23	10,175.00	102.61	55.54	134.163	-1,310.99	4,684.53	1,185.58	1,059.73	125.85	9.421	
14,200.00	9,360.00	12,472.09	10,175.00	104.21	56.99	134.163	-1,310.75	4,763.40	1,185.58	1,057.42	128.16	9.251	
14,221.13	9,360.00	12,493.23	10,175.00	104.64	57.38	134.163	-1,310.69	4,784.53	1,185.58	1,056.79	128.78	9.206	
14,300.00	9,360.00	12,572.09	10,175.00	106.24	58.84	134.163	-1,310.45	4,863.40	1,185.57	1,054.47	131.10	9.043	
14,321.13	9,360.00	12,593.23	10,175.00	106.67	59.24	134.163	-1,310.39	4,884.53	1,185.57	1,053.84	131.73	9.000	
14,400.00	9,360.00	12,672.09	10,175.00	108.27	60.71	134.163	-1,310.15	4,963.40	1,185.57	1,051.51	134.06	8.844	
14,421.13	9,360.00	12,693.23	10,175.00	108.70	61.11	134.163	-1,310.09	4,984.53	1,185.57	1,050.88	134.69	8.802	
14,500.00	9,360.00	12,772.09	10,175.00	110.30	62.59	134.163	-1,309.86	5,063.40	1,185.56	1,048.54	137.03	8.652	
14,521.13	9,360.00	12,793.23	10,175.00	110.73	62.99	134.163	-1,309.79	5,084.53	1,185.56	1,047.91	137.66	8.613	
14,600.00	9,360.00	12,872.09	10,175.00	112.34	64.49	134.164	-1,309.56	5,163.40	1,185.56	1,045.55	140.01	8.468	
14,621.13	9,360.00	12,893.23	10,175.00	112.77	64.89	134.164	-1,309.50	5,184.53	1,185.56	1,044.92	140.64	8.430	
14,700.00	9,360.00	12,972.09	10,175.00	114.38	66.39	134.164	-1,309.26	5,263.40	1,185.56	1,042.56	142.99	8.291	
14,721.13	9,360.00	12,993.23	10,175.00	114.81	66.80	134.164	-1,309.20	5,284.53	1,185.55	1,041.93	143.62	8.255	
14,800.00	9,360.00	13,072.09	10,175.00	116.41	68.31	134.164	-1,308.96	5,363.39	1,185.55	1,039.56	145.99	8.121	
14,821.13	9,360.00	13,093.23	10,175.00	116.84	68.71	134.164	-1,308.90	5,384.53	1,185.55	1,038.93	146.62	8.086	
14,900.00	9,360.00	13,172.09	10,175.00	118.45	70.23	134.164	-1,308.66	5,463.39	1,185.55	1,036.56	148.99	7.957	
14,921.13	9,360.00	13,193.23	10,175.00	118.88	70.64	134.164	-1,308.60	5,484.53	1,185.55	1,035.92	149.63	7.923	
15,000.00	9,360.00	13,272.09	10,175.00	120.49	72.17	134.164	-1,308.37	5,563.39	1,185.54	1,033.54	152.00	7.799	
15,021.13	9,360.00	13,293.23	10,175.00	120.92	72.57	134.164	-1,308.30	5,584.53	1,185.54	1,032.90	152.64	7.767	
15,100.00	9,360.00	13,372.09	10,175.00	122.53	74.11	134.164	-1,308.07	5,663.39	1,185.54	1,030.52	155.02	7.648	
15,121.13	9,360.00	13,393.23	10,175.00	122.96	74.52	134.165	-1,308.00	5,684.53	1,185.54	1,029.88	155.66	7.616	
15,200.00	9,360.00	13,472.09	10,175.00	124.57	76.05	134.165	-1,307.77	5,763.39	1,185.54	1,027.49	158.05	7.501	
15,221.13	9,360.00	13,493.23	10,175.00	125.00	76.47	134.165	-1,307.71	5,784.53	1,185.53	1,026.85	158.69	7.471	
15,300.00	9,360.00	13,572.09	10,175.00	126.61	78.01	134.165	-1,307.47	5,863.39	1,185.53	1,024.45	161.08	7.360	
15,321.13	9,360.00	13,593.23	10,175.00	127.05	78.42	134.165	-1,307.41	5,884.53	1,185.53	1,023.81	161.72	7.331	
15,400.00	9,360.00	13,672.09	10,175.00	128.66	79.97	134.165	-1,307.17	5,963.39	1,185.53	1,021.41	164.12	7.224	
15,421.13	9,360.00	13,693.23	10,175.00	129.09	80.38	134.165	-1,307.11	5,984.53	1,185.53	1,020.77	164.76	7.195	
15,500.00	9,360.00	13,772.09	10,175.00	130.70	81.94	134.165	-1,306.87	6,063.39	1,185.52	1,018.36	167.16	7.092	
15,521.13	9,360.00	13,793.23	10,175.00	131.13	82.35	134.165	-1,306.81	6,084.53	1,185.52	1,017.72	167.81	7.065	
15,600.00	9,360.00	13,872.09	10,175.00	132.75	83.91	134.165	-1,306.58	6,163.39	1,185.52	1,015.31	170.21	6.965	
15,621.13	9,360.00	13,893.23	10,175.00	133.18	84.32	134.165	-1,306.51	6,184.52	1,185.52	1,014.66	170.86	6.939	
15,700.00	9,360.00	13,972.09	10,175.00	134.79	85.88	134.166	-1,306.28	6,263.39	1,185.52	1,012.25	173.26	6.842	
15,721.13	9,360.00	13,993.23	10,175.00	135.22	86.30	134.166	-1,306.21	6,284.52	1,185.51	1,011.60	173.91	6.817	
15,800.00	9,360.00	14,072.09	10,175.00	136.84	87.86	134.166	-1,305.98	6,363.39	1,185.51	1,009.19	176.32	6.724	
15,821.13	9,360.00	14,093.23	10,175.00	137.27	88.28	134.166	-1,305.92	6,384.52	1,185.51	1,008.54	176.97	6.699	
15,900.00	9,360.00	14,172.09	10,175.00	138.88	89.85	134.166	-1,305.68	6,463.39	1,185.51	1,006.12	179.38	6.609	
15,921.13	9,360.00	14,193.23	10,175.00	139.32	90.27	134.166	-1,305.62	6,484.52	1,185.51	1,005.47	180.03	6.585	
16,000.00	9,360.00	14,272.09	10,175.00	140.93	91.84	134.166	-1,305.38	6,563.39	1,185.50	1,003.05	182.45	6.498	
16,021.13	9,360.00	14,293.23	10,175.00	141.36	92.26	134.166	-1,305.32	6,584.52	1,185.50	1,002.40	183.10	6.475	
16,100.00	9,360.00	14,372.09	10,175.00	142.98	93.83	134.166	-1,305.09	6,663.39	1,185.50	999.98	185.52	6.390	
16,121.13	9,360.00	14,393.23	10,175.00	143.41	94.25	134.166	-1,305.02	6,684.52	1,185.50	999.33	186.17	6.368	
16,200.00	9,360.00	14,472.09	10,175.00	145.03	95.82	134.167	-1,304.79	6,763.39	1,185.49	996.90	188.60	6.286	
16,221.13	9,360.00	14,493.23	10,175.00	145.46	96.25	134.167	-1,304.72	6,784.52	1,185.49	996.25	189.25	6.264	
16,300.00	9,360.00	14,572.09	10,175.00	147.08	97.82	134.167	-1,304.49	6,863.39	1,185.49	993.82	191.67	6.185	
16,321.13	9,360.00	14,593.23	10,175.00	147.51	98.25	134.167	-1,304.43	6,884.52	1,185.49	993.17	192.32	6.164	
16,400.00	9,360.00	14,672.09	10,175.00	149.13	99.82	134.167	-1,304.19	6,963.39	1,185.49	990.73	194.75	6.087	
16,421.13	9,360.00	14,693.23	10,175.00	149.56	100.25	134.167	-1,304.13	6,984.52	1,185.49	990.08	195.41	6.067	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
16,500.00	9,360.00	14,772.09	10,175.00	151.18	101.83	134.167	-1,303.89	7,063.39	1,185.48	987.64	197.84	5.992	
16,521.13	9,360.00	14,793.23	10,175.00	151.61	102.25	134.167	-1,303.83	7,084.52	1,185.48	986.99	198.49	5.973	
16,600.00	9,360.00	14,872.09	10,175.00	153.23	103.84	134.167	-1,303.59	7,163.39	1,185.48	984.55	200.92	5.900	
16,621.13	9,360.00	14,893.23	10,175.00	153.66	104.26	134.167	-1,303.53	7,184.52	1,185.48	983.90	201.58	5.881	
16,700.00	9,360.00	14,972.09	10,175.00	155.28	105.84	134.168	-1,303.30	7,263.39	1,185.47	981.46	204.01	5.811	
16,721.13	9,360.00	14,993.23	10,175.00	155.72	106.27	134.168	-1,303.23	7,284.52	1,185.47	980.81	204.67	5.792	
16,800.00	9,360.00	15,072.09	10,175.00	157.33	107.86	134.168	-1,303.00	7,363.39	1,185.47	978.36	207.11	5.724	
16,821.13	9,360.00	15,093.23	10,175.00	157.77	108.28	134.168	-1,302.93	7,384.52	1,185.47	977.71	207.76	5.706	
16,900.00	9,360.00	15,172.09	10,175.00	159.39	109.87	134.168	-1,302.70	7,463.39	1,185.47	975.26	210.20	5.640	
16,921.13	9,360.00	15,193.23	10,175.00	159.82	110.30	134.168	-1,302.64	7,484.52	1,185.47	974.61	210.86	5.622	
17,000.00	9,360.00	15,272.09	10,175.00	161.44	111.89	134.168	-1,302.40	7,563.38	1,185.46	972.16	213.30	5.558	
17,021.13	9,360.00	15,293.23	10,175.00	161.87	112.31	134.168	-1,302.34	7,584.52	1,185.46	971.51	213.95	5.541	
17,100.00	9,360.00	15,372.09	10,175.00	163.49	113.90	134.168	-1,302.10	7,663.38	1,185.46	969.06	216.40	5.478	
17,121.13	9,360.00	15,393.23	10,175.00	163.93	114.33	134.168	-1,302.04	7,684.52	1,185.46	968.40	217.05	5.462	
17,200.00	9,360.00	15,472.09	10,175.00	165.55	115.92	134.169	-1,301.80	7,763.38	1,185.45	965.95	219.50	5.401	
17,221.13	9,360.00	15,493.23	10,175.00	165.98	116.35	134.169	-1,301.74	7,784.52	1,185.45	965.30	220.16	5.385	
17,300.00	9,360.00	15,572.09	10,175.00	167.60	117.94	134.169	-1,301.51	7,863.38	1,185.45	962.85	222.60	5.325	
17,321.13	9,360.00	15,593.23	10,175.00	168.04	118.37	134.169	-1,301.44	7,884.52	1,185.45	962.19	223.26	5.310	
17,400.00	9,360.00	15,672.09	10,175.00	169.66	119.97	134.169	-1,301.21	7,963.38	1,185.45	959.74	225.71	5.252	
17,421.13	9,360.00	15,693.23	10,175.00	170.09	120.40	134.169	-1,301.15	7,984.52	1,185.45	959.08	226.37	5.237	
17,500.00	9,360.00	15,772.09	10,175.00	171.71	121.99	134.169	-1,300.91	8,063.38	1,185.44	956.62	228.82	5.181	
17,521.13	9,360.00	15,793.23	10,175.00	172.15	122.42	134.169	-1,300.85	8,084.52	1,185.44	955.97	229.48	5.166	
17,600.00	9,360.00	15,872.09	10,175.00	173.77	124.02	134.169	-1,300.61	8,163.38	1,185.44	953.51	231.93	5.111	
17,621.13	9,360.00	15,893.23	10,175.00	174.20	124.45	134.169	-1,300.55	8,184.52	1,185.44	952.85	232.59	5.097	
17,700.00	9,360.00	15,972.09	10,175.00	175.82	126.05	134.169	-1,300.31	8,263.38	1,185.43	950.39	235.04	5.044	
17,721.13	9,360.00	15,993.23	10,175.00	176.26	126.47	134.169	-1,300.25	8,284.52	1,185.43	949.74	235.70	5.029	
17,800.00	9,360.00	16,072.09	10,175.00	177.88	128.07	134.170	-1,300.02	8,363.38	1,185.43	947.28	238.15	4.978	
17,821.13	9,360.00	16,093.23	10,175.00	178.31	128.50	134.170	-1,299.95	8,384.52	1,185.43	946.62	238.81	4.964	
17,900.00	9,360.00	16,172.09	10,175.00	179.93	130.10	134.170	-1,299.72	8,463.38	1,185.43	944.16	241.27	4.913	
17,921.13	9,360.00	16,193.23	10,175.00	180.37	130.53	134.170	-1,299.65	8,484.51	1,185.42	943.50	241.93	4.900	
18,000.00	9,360.00	16,272.09	10,175.00	181.99	132.14	134.170	-1,299.42	8,563.38	1,185.42	941.04	244.38	4.851	
18,021.13	9,360.00	16,293.23	10,175.00	182.43	132.57	134.170	-1,299.36	8,584.51	1,185.42	940.38	245.04	4.838	
18,100.00	9,360.00	16,372.09	10,175.00	184.05	134.17	134.170	-1,299.12	8,663.38	1,185.42	937.92	247.50	4.790	
18,121.13	9,360.00	16,393.23	10,175.00	184.48	134.60	134.170	-1,299.06	8,684.51	1,185.42	937.26	248.16	4.777	
18,200.00	9,360.00	16,472.09	10,175.00	186.11	136.20	134.170	-1,298.82	8,763.38	1,185.41	934.79	250.62	4.730	
18,221.13	9,360.00	16,493.23	10,175.00	186.54	136.63	134.170	-1,298.76	8,784.51	1,185.41	934.13	251.28	4.718	
18,300.00	9,360.00	16,572.09	10,175.00	188.16	138.24	134.171	-1,298.52	8,863.38	1,185.41	931.67	253.74	4.672	
18,321.13	9,360.00	16,593.23	10,175.00	188.60	138.67	134.171	-1,298.46	8,884.51	1,185.41	931.01	254.40	4.660	
18,400.00	9,360.00	16,672.09	10,175.00	190.22	140.27	134.171	-1,298.23	8,963.38	1,185.41	928.54	256.86	4.615	
18,421.13	9,360.00	16,693.23	10,175.00	190.66	140.70	134.171	-1,298.16	8,984.51	1,185.40	927.88	257.52	4.603	
18,500.00	9,360.00	16,772.09	10,175.00	192.28	142.31	134.171	-1,297.93	9,063.38	1,185.40	925.42	259.99	4.559	
18,521.13	9,360.00	16,793.23	10,175.00	192.71	142.74	134.171	-1,297.86	9,084.51	1,185.40	924.75	260.65	4.548	
18,600.00	9,360.00	16,872.09	10,175.00	194.34	144.35	134.171	-1,297.63	9,163.38	1,185.40	922.29	263.11	4.505	
18,621.13	9,360.00	16,893.23	10,175.00	194.77	144.78	134.171	-1,297.57	9,184.51	1,185.40	921.63	263.77	4.494	
18,700.00	9,360.00	16,972.09	10,175.00	196.40	146.39	134.171	-1,297.33	9,263.38	1,185.39	919.16	266.24	4.452	
18,721.13	9,360.00	16,993.23	10,175.00	196.83	146.82	134.171	-1,297.27	9,284.51	1,185.39	918.50	266.90	4.441	
18,800.00	9,360.00	17,072.09	10,175.00	198.46	148.42	134.172	-1,297.03	9,363.38	1,185.39	916.03	269.36	4.401	
18,821.13	9,360.00	17,093.23	10,175.00	198.89	148.86	134.172	-1,296.97	9,384.51	1,185.39	915.37	270.02	4.390	
18,900.00	9,360.00	17,172.09	10,175.00	200.51	150.47	134.172	-1,296.73	9,463.38	1,185.39	912.90	272.49	4.350	
18,921.13	9,360.00	17,193.23	10,175.00	200.95	150.90	134.172	-1,296.67	9,484.51	1,185.38	912.23	273.15	4.340	
19,000.00	9,360.00	17,272.09	10,175.00	202.57	152.51	134.172	-1,296.44	9,563.38	1,185.38	909.76	275.62	4.301	
19,021.13	9,360.00	17,293.23	10,175.00	203.01	152.94	134.172	-1,296.37	9,584.51	1,185.38	909.10	276.28	4.291	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,100.00	9,360.00	17,372.09	10,175.00	204.63	154.55	134.172	-1,296.14	9,663.38	1,185.38	906.63	278.75	4.253	
19,121.13	9,360.00	17,393.23	10,175.00	205.07	154.98	134.172	-1,296.08	9,684.51	1,185.38	905.97	279.41	4.242	
19,200.00	9,360.00	17,472.09	10,175.00	206.69	156.59	134.172	-1,295.84	9,763.38	1,185.37	903.49	281.88	4.205	
19,221.13	9,360.00	17,493.23	10,175.00	207.13	157.02	134.172	-1,295.78	9,784.51	1,185.37	902.83	282.54	4.195	
19,300.00	9,360.00	17,572.09	10,175.00	208.75	158.63	134.173	-1,295.54	9,863.37	1,185.37	900.36	285.01	4.159	
19,321.13	9,360.00	17,593.23	10,175.00	209.19	159.07	134.173	-1,295.48	9,884.51	1,185.37	899.70	285.67	4.149	
19,400.00	9,360.00	17,672.09	10,175.00	210.81	160.68	134.173	-1,295.24	9,963.37	1,185.36	897.22	288.14	4.114	
19,421.13	9,360.00	17,693.23	10,175.00	211.25	161.11	134.173	-1,295.18	9,984.51	1,185.36	896.56	288.80	4.104	
19,500.00	9,360.00	17,772.09	10,175.00	212.87	162.72	134.173	-1,294.95	10,063.37	1,185.36	894.09	291.28	4.070	
19,521.13	9,360.00	17,793.23	10,175.00	213.31	163.15	134.173	-1,294.88	10,084.51	1,185.36	893.42	291.94	4.060	
19,600.00	9,360.00	17,872.09	10,175.00	214.93	164.77	134.173	-1,294.65	10,163.37	1,185.36	890.95	294.41	4.026	
19,621.13	9,360.00	17,893.23	10,175.00	215.37	165.20	134.173	-1,294.58	10,184.51	1,185.36	890.28	295.07	4.017	
19,700.00	9,360.00	17,972.09	10,175.00	216.99	166.81	134.173	-1,294.35	10,263.37	1,185.35	887.81	297.54	3.984	
19,721.13	9,360.00	17,993.23	10,175.00	217.43	167.25	134.173	-1,294.29	10,284.51	1,185.35	887.14	298.21	3.975	
19,800.00	9,360.00	18,072.09	10,175.00	219.05	168.86	134.173	-1,294.05	10,363.37	1,185.35	884.67	300.68	3.942	
19,821.13	9,360.00	18,093.23	10,175.00	219.49	169.29	134.174	-1,293.99	10,384.51	1,185.35	884.00	301.34	3.934	
19,900.00	9,360.00	18,172.09	10,175.00	221.12	170.91	134.174	-1,293.75	10,463.37	1,185.34	881.53	303.82	3.902	
19,921.13	9,360.00	18,193.23	10,175.00	221.55	171.34	134.174	-1,293.69	10,484.51	1,185.34	880.86	304.48	3.893	
20,000.00	9,360.00	18,272.09	10,175.00	223.18	172.95	134.174	-1,293.45	10,563.37	1,185.34	878.39	306.95	3.862	
20,021.13	9,360.00	18,293.23	10,175.00	223.61	173.39	134.174	-1,293.39	10,584.51	1,185.34	877.72	307.62	3.853	
20,100.00	9,360.00	18,372.09	10,175.00	225.24	175.00	134.174	-1,293.16	10,663.37	1,185.34	875.24	310.09	3.823	
20,121.13	9,360.00	18,393.23	10,175.00	225.67	175.43	134.174	-1,293.09	10,684.50	1,185.34	874.58	310.76	3.814	
20,200.00	9,360.00	18,472.09	10,175.00	227.30	177.05	134.174	-1,292.86	10,763.37	1,185.33	872.10	313.23	3.784	
20,221.13	9,360.00	18,493.23	10,175.00	227.74	177.48	134.174	-1,292.79	10,784.50	1,185.33	871.44	313.89	3.776	
20,300.00	9,360.00	18,572.09	10,175.00	229.36	179.10	134.174	-1,292.56	10,863.37	1,185.33	868.96	316.37	3.747	
20,321.13	9,360.00	18,593.23	10,175.00	229.80	179.53	134.174	-1,292.50	10,884.50	1,185.33	868.29	317.03	3.739	
20,400.00	9,360.00	18,672.09	10,175.00	231.42	181.15	134.175	-1,292.26	10,963.37	1,185.32	865.81	319.51	3.710	
20,421.13	9,360.00	18,693.23	10,175.00	231.86	181.58	134.175	-1,292.20	10,984.50	1,185.32	865.15	320.17	3.702	
20,500.00	9,360.00	18,772.09	10,175.00	233.49	183.20	134.175	-1,291.96	11,063.37	1,185.32	862.67	322.65	3.674	
20,521.13	9,360.00	18,793.23	10,175.00	233.92	183.63	134.175	-1,291.90	11,084.50	1,185.32	862.01	323.31	3.666	
20,600.00	9,360.00	18,872.09	10,175.00	235.55	185.25	134.175	-1,291.67	11,163.37	1,185.32	859.52	325.79	3.638	
20,621.13	9,360.00	18,893.23	10,175.00	235.98	185.68	134.175	-1,291.60	11,184.50	1,185.32	858.86	326.45	3.631	
20,700.00	9,360.00	18,972.09	10,175.00	237.61	187.30	134.175	-1,291.37	11,263.37	1,185.31	856.38	328.93	3.604	
20,721.13	9,360.00	18,993.23	10,175.00	238.05	187.73	134.175	-1,291.30	11,284.50	1,185.31	855.71	329.60	3.596	
20,800.00	9,360.00	19,072.09	10,175.00	239.67	189.35	134.175	-1,291.07	11,363.37	1,185.31	853.23	332.07	3.569	
20,821.13	9,360.00	19,093.23	10,175.00	240.11	189.78	134.175	-1,291.01	11,384.50	1,185.31	852.57	332.74	3.562	
20,900.00	9,360.00	19,172.09	10,175.00	241.73	191.40	134.176	-1,290.77	11,463.37	1,185.30	850.09	335.22	3.536	
20,921.13	9,360.00	19,193.23	10,175.00	242.17	191.84	134.176	-1,290.71	11,484.50	1,185.30	849.42	335.88	3.529	
21,000.00	9,360.00	19,272.09	10,175.00	243.80	193.45	134.176	-1,290.47	11,563.37	1,185.30	846.94	338.36	3.503	
21,021.13	9,360.00	19,293.23	10,175.00	244.23	193.89	134.176	-1,290.41	11,584.50	1,185.30	846.27	339.03	3.496	
21,100.00	9,360.00	19,372.09	10,175.00	245.86	195.51	134.176	-1,290.17	11,663.37	1,185.30	843.79	341.50	3.471	
21,121.13	9,360.00	19,393.23	10,175.00	246.30	195.94	134.176	-1,290.11	11,684.50	1,185.29	843.13	342.17	3.464	
21,200.00	9,360.00	19,472.09	10,175.00	247.92	197.56	134.176	-1,289.88	11,763.37	1,185.29	840.64	344.65	3.439	
21,221.13	9,360.00	19,493.23	10,175.00	248.36	197.99	134.176	-1,289.81	11,784.50	1,185.29	839.98	345.31	3.433	
21,300.00	9,360.00	19,572.09	10,175.00	249.99	199.61	134.176	-1,289.58	11,863.37	1,185.29	837.49	347.79	3.408	
21,321.13	9,360.00	19,593.23	10,175.00	250.42	200.05	134.176	-1,289.51	11,884.50	1,185.29	836.83	348.46	3.402	
21,400.00	9,360.00	19,672.09	10,175.00	252.05	201.67	134.177	-1,289.28	11,963.37	1,185.28	834.34	350.94	3.377	
21,421.13	9,360.00	19,693.23	10,175.00	252.48	202.10	134.177	-1,289.22	11,984.50	1,185.28	833.68	351.60	3.371	
21,500.00	9,360.00	19,772.09	10,175.00	254.11	203.72	134.177	-1,288.98	12,063.36	1,185.28	831.19	354.08	3.347	
21,521.13	9,360.00	19,793.23	10,175.00	254.55	204.15	134.177	-1,288.92	12,084.50	1,185.28	830.53	354.75	3.341	
21,600.00	9,360.00	19,872.09	10,175.00	256.17	205.77	134.177	-1,288.68	12,163.36	1,185.28	828.04	357.23	3.318	
21,621.13	9,360.00	19,893.23	10,175.00	256.61	206.21	134.177	-1,288.62	12,184.50	1,185.27	827.38	357.90	3.312	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		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	
21,700.00	9,360.00	19,972.09	10,175.00	258.24	207.83	134.177	-1,288.38	12,263.36	1,185.27	824.89	360.38	3.289	
21,721.13	9,360.00	19,993.23	10,175.00	258.67	208.26	134.177	-1,288.32	12,284.50	1,185.27	824.23	361.04	3.283	
21,800.00	9,360.00	20,072.09	10,175.00	260.30	209.88	134.177	-1,288.09	12,363.36	1,185.27	821.74	363.52	3.260	
21,821.13	9,360.00	20,093.23	10,175.00	260.74	210.32	134.177	-1,288.02	12,384.50	1,185.27	821.08	364.19	3.255	
21,900.00	9,360.00	20,172.09	10,175.00	262.37	211.94	134.177	-1,287.79	12,463.36	1,185.26	818.59	366.67	3.232	
21,921.13	9,360.00	20,193.23	10,175.00	262.80	212.37	134.178	-1,287.73	12,484.50	1,185.26	817.93	367.34	3.227	
22,000.00	9,360.00	20,272.09	10,175.00	264.43	213.99	134.178	-1,287.49	12,563.36	1,185.26	815.44	369.82	3.205	
22,021.13	9,360.00	20,293.23	10,175.00	264.87	214.43	134.178	-1,287.43	12,584.50	1,185.26	814.77	370.49	3.199	
22,100.00	9,360.00	20,372.09	10,175.00	266.49	216.05	134.178	-1,287.19	12,663.36	1,185.25	812.29	372.97	3.178	
22,121.13	9,360.00	20,393.23	10,175.00	266.93	216.48	134.178	-1,287.13	12,684.50	1,185.25	811.62	373.63	3.172	
22,200.00	9,360.00	20,472.09	10,175.00	268.56	218.10	134.178	-1,286.89	12,763.36	1,185.25	809.13	376.12	3.151	
22,221.13	9,360.00	20,493.23	10,175.00	268.99	218.54	134.178	-1,286.83	12,784.50	1,185.25	808.47	376.78	3.146	
22,300.00	9,360.00	20,572.09	10,175.00	270.62	220.16	134.178	-1,286.60	12,863.36	1,185.25	805.98	379.27	3.125	
22,321.13	9,360.00	20,593.23	10,175.00	271.06	220.59	134.178	-1,286.53	12,884.50	1,185.25	805.31	379.93	3.120	
22,400.00	9,360.00	20,672.09	10,175.00	272.68	222.22	134.178	-1,286.30	12,963.36	1,185.24	802.83	382.41	3.099	
22,421.13	9,360.00	20,693.23	10,175.00	273.12	222.65	134.178	-1,286.23	12,984.49	1,185.24	802.16	383.08	3.094	
22,500.00	9,360.00	20,772.09	10,175.00	274.75	224.27	134.179	-1,286.00	13,063.36	1,185.24	799.67	385.56	3.074	
22,521.13	9,360.00	20,793.23	10,175.00	275.19	224.71	134.179	-1,285.94	13,084.49	1,185.24	799.01	386.23	3.069	
22,600.00	9,360.00	20,872.09	10,175.00	276.81	226.33	134.179	-1,285.70	13,163.36	1,185.23	796.52	388.71	3.049	
22,621.13	9,360.00	20,893.23	10,175.00	277.25	226.76	134.179	-1,285.64	13,184.49	1,185.23	795.85	389.38	3.044	
22,700.00	9,360.00	20,972.09	10,175.00	278.88	228.39	134.179	-1,285.40	13,263.36	1,185.23	793.37	391.86	3.025	
22,715.10	9,360.00	20,987.20	10,175.00	279.19	228.70	134.179	-1,285.36	13,278.46	1,185.23	792.89	392.34	3.021	
22,771.47	9,360.00	21,043.56	10,175.00	280.35	229.86	134.179	-1,285.19	13,334.83	1,185.23	791.11	394.12	3.007 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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		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)		
11,049.35	9,360.00	8,450.00	8,323.22	42.33	27.60	56.120	-1,995.76	2,521.67	2,052.86	2,000.85	52.00	39.476	
11,100.00	9,360.00	8,477.31	8,337.72	43.24	27.70	56.426	-1,991.67	2,544.45	2,030.43	1,977.39	53.04	38.281	
11,148.27	9,360.00	8,500.00	8,348.91	44.12	27.78	56.660	-1,988.19	2,563.88	2,009.92	1,955.89	54.03	37.201	
11,200.00	9,360.00	8,500.00	8,348.91	45.06	27.78	56.660	-1,988.19	2,563.88	1,988.59	1,933.60	54.99	36.162	
11,247.04	9,360.00	8,519.79	8,358.03	45.93	27.84	56.848	-1,985.08	2,581.16	1,969.88	1,913.90	55.99	35.185	
11,300.00	9,360.00	8,550.00	8,370.77	46.91	27.94	57.104	-1,980.25	2,608.12	1,949.78	1,892.62	57.15	34.115	
11,346.30	9,360.00	8,550.00	8,370.77	47.77	27.94	57.104	-1,980.25	2,608.12	1,932.61	1,874.55	58.07	33.283	
11,400.00	9,360.00	8,567.57	8,377.50	48.77	27.99	57.236	-1,977.38	2,624.09	1,913.69	1,854.46	59.23	32.310	
11,444.81	9,360.00	8,582.23	8,382.74	49.61	28.03	57.335	-1,974.97	2,637.57	1,898.57	1,838.35	60.21	31.532	
11,500.00	9,360.00	8,600.00	8,388.62	50.65	28.07	57.444	-1,972.00	2,654.08	1,880.80	1,819.37	61.43	30.617	
11,543.60	9,360.00	8,600.00	8,388.62	51.48	28.07	57.444	-1,972.00	2,654.08	1,867.61	1,805.27	62.33	29.961	
11,600.00	9,360.00	8,650.00	8,402.34	52.55	28.18	57.672	-1,963.52	2,701.39	1,851.19	1,787.42	63.78	29.027	
11,642.58	9,360.00	8,650.00	8,402.34	53.36	28.18	57.672	-1,963.52	2,701.39	1,839.31	1,774.63	64.68	28.439	
11,700.00	9,360.00	8,670.61	8,406.76	54.45	28.21	57.733	-1,959.96	2,721.20	1,824.43	1,758.42	66.01	27.639	
11,740.99	9,360.00	8,700.00	8,411.81	55.24	28.25	57.784	-1,954.85	2,749.69	1,814.61	1,747.57	67.04	27.068	
11,800.00	9,360.00	8,700.00	8,411.81	56.37	28.25	57.784	-1,954.85	2,749.69	1,801.10	1,732.79	68.31	26.368	
11,839.52	9,360.00	8,721.66	8,414.58	57.14	28.27	57.796	-1,951.06	2,770.84	1,792.74	1,723.46	69.27	25.879	
11,900.00	9,360.00	8,750.00	8,416.98	58.30	28.30	57.777	-1,946.07	2,798.63	1,781.02	1,710.30	70.72	25.184	
11,938.31	9,360.00	8,750.00	8,416.98	59.05	28.30	57.777	-1,946.07	2,798.63	1,774.25	1,702.70	71.54	24.800	
12,000.00	9,360.00	8,784.27	8,418.00	60.24	28.31	57.701	-1,940.03	2,832.34	1,764.30	1,691.27	73.03	24.159	
12,036.67	9,360.00	8,800.00	8,418.00	60.96	28.31	57.654	-1,937.29	2,847.83	1,758.96	1,685.08	73.89	23.806	
12,100.00	9,360.00	8,844.53	8,418.00	62.19	28.32	57.527	-1,930.01	2,891.76	1,750.37	1,674.88	75.49	23.187	
12,135.61	9,360.00	8,867.75	8,418.00	62.89	28.33	57.466	-1,926.48	2,914.71	1,745.88	1,669.51	76.38	22.859	
12,200.00	9,360.00	8,900.00	8,418.00	64.15	28.34	57.386	-1,921.90	2,946.63	1,738.44	1,660.52	77.92	22.311	
12,234.59	9,360.00	8,932.59	8,418.00	64.83	28.35	57.311	-1,917.63	2,978.94	1,734.71	1,655.83	78.88	21.993	
12,300.00	9,360.00	8,975.63	8,418.00	66.11	28.36	57.222	-1,912.55	3,021.68	1,728.36	1,647.82	80.54	21.459	
12,333.91	9,360.00	9,000.00	8,418.00	66.78	28.37	57.177	-1,909.96	3,045.91	1,725.41	1,643.98	81.42	21.191	
12,400.00	9,360.00	9,041.71	8,418.00	68.08	28.39	57.107	-1,906.01	3,087.43	1,720.28	1,637.16	83.12	20.696	
12,432.91	9,360.00	9,063.52	8,418.00	68.73	28.40	57.075	-1,904.18	3,109.17	1,718.04	1,634.07	83.97	20.459	
12,500.00	9,360.00	9,100.00	8,418.00	70.06	28.42	57.028	-1,901.50	3,145.55	1,714.17	1,628.54	85.63	20.018	
12,531.90	9,360.00	9,129.25	8,418.00	70.69	28.45	56.997	-1,899.68	3,174.74	1,712.59	1,626.04	86.55	19.787	
12,600.00	9,360.00	9,174.57	8,418.00	72.04	28.50	56.959	-1,897.45	3,220.01	1,709.95	1,621.61	88.34	19.357	
12,631.15	9,360.00	9,200.00	8,418.00	72.66	28.53	56.943	-1,896.52	3,245.42	1,709.05	1,619.84	89.21	19.158	
12,700.00	9,360.00	9,241.22	8,418.00	74.02	28.62	56.926	-1,895.48	3,286.62	1,707.71	1,616.74	90.97	18.771	
12,730.13	9,360.00	9,261.31	8,418.00	74.62	28.67	56.922	-1,895.19	3,306.71	1,707.42	1,615.65	91.77	18.606	
12,800.00	9,360.00	9,319.73	8,418.00	76.01	28.93	56.920	-1,894.92	3,365.13	1,707.30	1,613.52	93.78	18.206	
12,829.36	9,360.00	9,349.08	8,418.00	76.60	29.14	56.920	-1,894.83	3,394.49	1,707.30	1,612.60	94.70	18.029	
12,900.00	9,360.00	9,419.73	8,418.00	78.01	29.89	56.920	-1,894.62	3,465.13	1,707.30	1,610.38	96.92	17.616	
12,929.37	9,360.00	9,449.10	8,418.00	78.60	30.30	56.920	-1,894.54	3,494.50	1,707.30	1,609.45	97.85	17.448	
13,000.00	9,360.00	9,519.73	8,418.00	80.01	31.40	56.920	-1,894.32	3,565.13	1,707.29	1,607.19	100.10	17.056	
13,029.37	9,360.00	9,549.10	8,418.00	80.60	31.89	56.920	-1,894.24	3,594.50	1,707.29	1,606.25	101.04	16.897	
13,100.00	9,360.00	9,619.73	8,418.00	82.01	33.12	56.920	-1,894.03	3,665.13	1,707.29	1,603.97	103.32	16.524	
13,129.37	9,360.00	9,649.10	8,418.00	82.60	33.64	56.920	-1,893.94	3,694.50	1,707.29	1,603.01	104.27	16.373	
13,200.00	9,360.00	9,719.73	8,418.00	84.02	34.92	56.920	-1,893.73	3,765.13	1,707.28	1,600.71	106.57	16.020	
13,229.37	9,360.00	9,749.10	8,418.00	84.61	35.46	56.920	-1,893.64	3,794.50	1,707.28	1,599.74	107.54	15.876	
13,300.00	9,360.00	9,819.73	8,418.00	86.02	36.76	56.920	-1,893.43	3,865.13	1,707.28	1,597.42	109.86	15.541	
13,329.37	9,360.00	9,849.10	8,418.00	86.61	37.31	56.920	-1,893.34	3,894.50	1,707.28	1,596.45	110.83	15.405	
13,400.00	9,360.00	9,919.73	8,418.00	88.04	38.64	56.919	-1,893.13	3,965.13	1,707.27	1,594.11	113.17	15.086	
13,429.37	9,360.00	9,949.10	8,418.00	88.63	39.20	56.919	-1,893.04	3,994.50	1,707.27	1,593.13	114.14	14.957	
13,500.00	9,360.00	10,019.73	8,418.00	90.05	40.54	56.919	-1,892.83	4,065.13	1,707.27	1,590.77	116.50	14.655	
13,529.37	9,360.00	10,049.10	8,418.00	90.64	41.10	56.919	-1,892.75	4,094.50	1,707.27	1,589.79	117.48	14.532	
13,600.00	9,360.00	10,119.73	8,418.00	92.07	42.46	56.919	-1,892.54	4,165.13	1,707.26	1,587.42	119.85	14.245	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,629.37	9,360.00	10,149.10	8,418.00	92.66	43.03	56.919	-1,892.45	4,194.50	1,707.26	1,586.43	120.83	14.129	
13,700.00	9,360.00	10,219.73	8,418.00	94.08	44.39	56.919	-1,892.24	4,265.13	1,707.26	1,584.05	123.21	13.856	
13,729.37	9,360.00	10,249.10	8,418.00	94.68	44.97	56.919	-1,892.15	4,294.50	1,707.26	1,583.05	124.20	13.746	
13,800.00	9,360.00	10,319.73	8,418.00	96.11	46.34	56.919	-1,891.94	4,365.13	1,707.25	1,580.66	126.59	13.486	
13,829.37	9,360.00	10,349.10	8,418.00	96.70	46.92	56.919	-1,891.85	4,394.50	1,707.25	1,579.66	127.59	13.381	
13,900.00	9,360.00	10,419.73	8,418.00	98.13	48.30	56.919	-1,891.64	4,465.13	1,707.25	1,577.26	129.99	13.134	
13,929.37	9,360.00	10,449.10	8,418.00	98.72	48.88	56.919	-1,891.55	4,494.50	1,707.25	1,576.26	130.99	13.034	
14,000.00	9,360.00	10,519.73	8,418.00	100.15	50.26	56.919	-1,891.34	4,565.13	1,707.25	1,573.85	133.39	12.799	
14,029.37	9,360.00	10,549.10	8,418.00	100.75	50.84	56.919	-1,891.26	4,594.50	1,707.24	1,572.85	134.40	12.703	
14,100.00	9,360.00	10,619.73	8,418.00	102.18	52.24	56.919	-1,891.04	4,665.13	1,707.24	1,570.43	136.81	12.479	
14,129.37	9,360.00	10,649.10	8,418.00	102.78	52.82	56.919	-1,890.96	4,694.50	1,707.24	1,569.42	137.82	12.388	
14,200.00	9,360.00	10,719.73	8,418.00	104.21	54.22	56.919	-1,890.75	4,765.13	1,707.24	1,567.00	140.24	12.174	
14,229.37	9,360.00	10,749.10	8,418.00	104.81	54.81	56.919	-1,890.66	4,794.50	1,707.23	1,565.99	141.25	12.087	
14,300.00	9,360.00	10,819.73	8,418.00	106.24	56.21	56.919	-1,890.45	4,865.13	1,707.23	1,563.56	143.67	11.883	
14,329.37	9,360.00	10,849.10	8,418.00	106.84	56.80	56.918	-1,890.36	4,894.50	1,707.23	1,562.55	144.68	11.800	
14,400.00	9,360.00	10,919.73	8,418.00	108.27	58.20	56.918	-1,890.15	4,965.13	1,707.23	1,560.11	147.11	11.605	
14,429.37	9,360.00	10,949.10	8,418.00	108.87	58.79	56.918	-1,890.06	4,994.50	1,707.23	1,559.10	148.13	11.525	
14,500.00	9,360.00	11,019.73	8,418.00	110.30	60.20	56.918	-1,889.85	5,065.13	1,707.22	1,556.66	150.56	11.339	
14,529.37	9,360.00	11,049.10	8,418.00	110.90	60.79	56.918	-1,889.76	5,094.50	1,707.22	1,555.64	151.58	11.263	
14,600.00	9,360.00	11,119.73	8,418.00	112.34	62.21	56.918	-1,889.55	5,165.12	1,707.22	1,553.20	154.02	11.084	
14,629.37	9,360.00	11,149.10	8,418.00	112.94	62.80	56.918	-1,889.47	5,194.49	1,707.22	1,552.18	155.04	11.012	
14,700.00	9,360.00	11,219.73	8,418.00	114.38	64.22	56.918	-1,889.26	5,265.12	1,707.21	1,549.73	157.48	10.841	
14,729.37	9,360.00	11,249.10	8,418.00	114.97	64.81	56.918	-1,889.17	5,294.49	1,707.21	1,548.71	158.50	10.771	
14,800.00	9,360.00	11,319.73	8,418.00	116.41	66.23	56.918	-1,888.96	5,365.12	1,707.21	1,546.26	160.95	10.607	
14,829.37	9,360.00	11,349.10	8,418.00	117.01	66.82	56.918	-1,888.87	5,394.49	1,707.21	1,545.24	161.97	10.540	
14,900.00	9,360.00	11,419.73	8,418.00	118.45	68.24	56.918	-1,888.66	5,465.12	1,707.20	1,542.78	164.42	10.383	
14,929.37	9,360.00	11,449.10	8,418.00	119.05	68.84	56.918	-1,888.57	5,494.49	1,707.20	1,541.76	165.44	10.319	
15,000.00	9,360.00	11,519.73	8,418.00	120.49	70.26	56.918	-1,888.36	5,565.12	1,707.20	1,539.30	167.90	10.168	
15,029.37	9,360.00	11,549.10	8,418.00	121.09	70.86	56.918	-1,888.27	5,594.49	1,707.20	1,538.27	168.92	10.106	
15,100.00	9,360.00	11,619.73	8,418.00	122.53	72.28	56.918	-1,888.06	5,665.12	1,707.19	1,535.81	171.38	9.961	
15,129.37	9,360.00	11,649.10	8,418.00	123.13	72.88	56.918	-1,887.97	5,694.49	1,707.19	1,534.79	172.41	9.902	
15,200.00	9,360.00	11,719.73	8,418.00	124.57	74.31	56.918	-1,887.76	5,765.12	1,707.19	1,532.32	174.87	9.763	
15,229.37	9,360.00	11,749.10	8,418.00	125.17	74.90	56.918	-1,887.68	5,794.49	1,707.19	1,531.30	175.89	9.706	
15,300.00	9,360.00	11,819.73	8,418.00	126.61	76.33	56.917	-1,887.47	5,865.12	1,707.18	1,528.83	178.36	9.572	
15,329.37	9,360.00	11,849.10	8,418.00	127.21	76.93	56.917	-1,887.38	5,894.49	1,707.18	1,527.80	179.38	9.517	
15,400.00	9,360.00	11,919.73	8,418.00	128.66	78.36	56.917	-1,887.17	5,965.12	1,707.18	1,525.33	181.85	9.388	
15,429.37	9,360.00	11,949.10	8,418.00	129.26	78.96	56.917	-1,887.08	5,994.49	1,707.18	1,524.30	182.88	9.335	
15,500.00	9,360.00	12,019.73	8,418.00	130.70	80.39	56.917	-1,886.87	6,065.12	1,707.17	1,521.83	185.35	9.211	
15,529.37	9,360.00	12,049.10	8,418.00	131.30	80.99	56.917	-1,886.78	6,094.49	1,707.17	1,520.80	186.37	9.160	
15,600.00	9,360.00	12,119.73	8,418.00	132.75	82.43	56.917	-1,886.57	6,165.12	1,707.17	1,518.33	188.84	9.040	
15,629.37	9,360.00	12,149.10	8,418.00	133.35	83.02	56.917	-1,886.48	6,194.49	1,707.17	1,517.30	189.87	8.991	
15,700.00	9,360.00	12,219.73	8,418.00	134.79	84.46	56.917	-1,886.27	6,265.12	1,707.16	1,514.82	192.35	8.876	
15,729.37	9,360.00	12,249.10	8,418.00	135.39	85.06	56.917	-1,886.19	6,294.49	1,707.16	1,513.79	193.37	8.828	
15,800.00	9,360.00	12,319.73	8,418.00	136.84	86.50	56.917	-1,885.98	6,365.12	1,707.16	1,511.31	195.85	8.717	
15,829.37	9,360.00	12,349.10	8,418.00	137.44	87.10	56.917	-1,885.89	6,394.49	1,707.16	1,510.28	196.88	8.671	
15,900.00	9,360.00	12,419.73	8,418.00	138.88	88.53	56.917	-1,885.68	6,465.12	1,707.16	1,507.80	199.36	8.563	
15,929.37	9,360.00	12,449.10	8,418.00	139.49	89.13	56.917	-1,885.59	6,494.49	1,707.15	1,506.77	200.39	8.519	
16,000.00	9,360.00	12,519.73	8,418.00	140.93	90.57	56.917	-1,885.38	6,565.12	1,707.15	1,504.29	202.87	8.415	
16,029.37	9,360.00	12,549.10	8,418.00	141.53	91.17	56.917	-1,885.29	6,594.49	1,707.15	1,503.25	203.90	8.373	
16,100.00	9,360.00	12,619.73	8,418.00	142.98	92.61	56.917	-1,885.08	6,665.12	1,707.15	1,500.77	206.38	8.272	
16,129.37	9,360.00	12,649.10	8,418.00	143.58	93.21	56.917	-1,884.99	6,694.49	1,707.14	1,499.74	207.41	8.231	
16,200.00	9,360.00	12,719.73	8,418.00	145.03	94.66	56.917	-1,884.78	6,765.12	1,707.14	1,497.25	209.89	8.134	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		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)			
16,229.37	9,360.00	12,749.10	8,418.00	145.63	95.26	56.917	-1,884.69	6,794.49	1,707.14	1,496.22	210.92	8.094	
16,300.00	9,360.00	12,819.73	8,418.00	147.08	96.70	56.916	-1,884.48	6,865.12	1,707.14	1,493.73	213.41	8.000	
16,329.37	9,360.00	12,849.10	8,418.00	147.68	97.30	56.916	-1,884.40	6,894.49	1,707.14	1,492.70	214.44	7.961	
16,400.00	9,360.00	12,919.73	8,418.00	149.13	98.74	56.916	-1,884.19	6,965.12	1,707.13	1,490.21	216.92	7.870	
16,429.37	9,360.00	12,949.10	8,418.00	149.73	99.34	56.916	-1,884.10	6,994.49	1,707.13	1,489.17	217.96	7.832	
16,500.00	9,360.00	13,019.73	8,418.00	151.18	100.79	56.916	-1,883.89	7,065.12	1,707.13	1,486.69	220.44	7.744	
16,529.37	9,360.00	13,049.10	8,418.00	151.78	101.39	56.916	-1,883.80	7,094.49	1,707.13	1,485.65	221.47	7.708	
16,600.00	9,360.00	13,119.73	8,418.00	153.23	102.83	56.916	-1,883.59	7,165.12	1,707.12	1,483.16	223.96	7.622	
16,629.37	9,360.00	13,149.10	8,418.00	153.83	103.44	56.916	-1,883.50	7,194.49	1,707.12	1,482.13	225.00	7.587	
16,700.00	9,360.00	13,219.73	8,418.00	155.28	104.88	56.916	-1,883.29	7,265.12	1,707.12	1,479.63	227.48	7.504	
16,729.37	9,360.00	13,249.10	8,418.00	155.89	105.48	56.916	-1,883.20	7,294.49	1,707.12	1,478.60	228.52	7.470	
16,800.00	9,360.00	13,319.73	8,418.00	157.33	106.93	56.916	-1,882.99	7,365.12	1,707.11	1,476.11	231.01	7.390	
16,829.37	9,360.00	13,349.10	8,418.00	157.94	107.53	56.916	-1,882.91	7,394.48	1,707.11	1,475.07	232.04	7.357	
16,900.00	9,360.00	13,419.73	8,418.00	159.39	108.98	56.916	-1,882.69	7,465.11	1,707.11	1,472.58	234.53	7.279	
16,929.37	9,360.00	13,449.10	8,418.00	159.99	109.58	56.916	-1,882.61	7,494.48	1,707.11	1,471.54	235.57	7.247	
17,000.00	9,360.00	13,519.73	8,418.00	161.44	111.03	56.916	-1,882.40	7,565.11	1,707.10	1,469.05	238.06	7.171	
17,029.37	9,360.00	13,549.10	8,418.00	162.04	111.63	56.916	-1,882.31	7,594.48	1,707.10	1,468.01	239.09	7.140	
17,100.00	9,360.00	13,619.73	8,418.00	163.49	113.08	56.916	-1,882.10	7,665.11	1,707.10	1,465.51	241.58	7.066	
17,129.37	9,360.00	13,649.10	8,418.00	164.10	113.68	56.916	-1,882.01	7,694.48	1,707.10	1,464.48	242.62	7.036	
17,200.00	9,360.00	13,719.73	8,418.00	165.55	115.13	56.916	-1,881.80	7,765.11	1,707.09	1,461.98	245.11	6.965	
17,229.37	9,360.00	13,749.10	8,418.00	166.15	115.73	56.915	-1,881.71	7,794.48	1,707.09	1,460.94	246.15	6.935	
17,300.00	9,360.00	13,819.73	8,418.00	167.60	117.18	56.915	-1,881.50	7,865.11	1,707.09	1,458.45	248.64	6.866	
17,329.37	9,360.00	13,849.10	8,418.00	168.21	117.78	56.915	-1,881.41	7,894.48	1,707.09	1,457.41	249.68	6.837	
17,400.00	9,360.00	13,919.73	8,418.00	169.66	119.23	56.915	-1,881.20	7,965.11	1,707.08	1,454.91	252.17	6.769	
17,429.37	9,360.00	13,949.10	8,418.00	170.26	119.83	56.915	-1,881.12	7,994.48	1,707.08	1,453.87	253.21	6.742	
17,500.00	9,360.00	14,019.73	8,418.00	171.71	121.28	56.915	-1,880.91	8,065.11	1,707.08	1,451.37	255.71	6.676	
17,529.37	9,360.00	14,049.10	8,418.00	172.32	121.89	56.915	-1,880.82	8,094.48	1,707.08	1,450.34	256.74	6.649	
17,600.00	9,360.00	14,119.73	8,418.00	173.77	123.34	56.915	-1,880.61	8,165.11	1,707.07	1,447.84	259.24	6.585	
17,629.37	9,360.00	14,149.10	8,418.00	174.37	123.94	56.915	-1,880.52	8,194.48	1,707.07	1,446.80	260.28	6.559	
17,700.00	9,360.00	14,219.73	8,418.00	175.82	125.39	56.915	-1,880.31	8,265.11	1,707.07	1,444.30	262.77	6.496	
17,729.37	9,360.00	14,249.10	8,418.00	176.43	126.00	56.915	-1,880.22	8,294.48	1,707.07	1,443.26	263.81	6.471	
17,800.00	9,360.00	14,319.73	8,418.00	177.88	127.45	56.915	-1,880.01	8,365.11	1,707.07	1,440.76	266.31	6.410	
17,829.37	9,360.00	14,349.10	8,418.00	178.48	128.05	56.915	-1,879.92	8,394.48	1,707.06	1,439.72	267.34	6.385	
17,900.00	9,360.00	14,419.73	8,418.00	179.93	129.50	56.915	-1,879.71	8,465.11	1,707.06	1,437.22	269.84	6.326	
17,929.37	9,360.00	14,449.10	8,418.00	180.54	130.10	56.915	-1,879.63	8,494.48	1,707.06	1,436.18	270.88	6.302	
18,000.00	9,360.00	14,519.73	8,418.00	181.99	131.56	56.915	-1,879.41	8,565.11	1,707.06	1,433.68	273.38	6.244	
18,029.37	9,360.00	14,549.10	8,418.00	182.60	132.16	56.915	-1,879.33	8,594.48	1,707.05	1,432.64	274.42	6.221	
18,100.00	9,360.00	14,619.73	8,418.00	184.05	133.61	56.915	-1,879.12	8,665.11	1,707.05	1,430.14	276.92	6.165	
18,129.37	9,360.00	14,649.10	8,418.00	184.65	134.22	56.915	-1,879.03	8,694.48	1,707.05	1,429.10	277.95	6.141	
18,200.00	9,360.00	14,719.73	8,418.00	186.11	135.67	56.914	-1,878.82	8,765.11	1,707.05	1,426.59	280.45	6.087	
18,229.37	9,360.00	14,749.10	8,418.00	186.71	136.27	56.914	-1,878.73	8,794.48	1,707.05	1,425.55	281.49	6.064	
18,300.00	9,360.00	14,819.73	8,418.00	188.16	137.72	56.914	-1,878.52	8,865.11	1,707.04	1,423.05	283.99	6.011	
18,329.37	9,360.00	14,849.10	8,418.00	188.77	138.33	56.914	-1,878.43	8,894.48	1,707.04	1,422.01	285.03	5.989	
18,400.00	9,360.00	14,919.73	8,418.00	190.22	139.78	56.914	-1,878.22	8,965.11	1,707.04	1,419.51	287.53	5.937	
18,429.37	9,360.00	14,949.10	8,418.00	190.83	140.39	56.914	-1,878.13	8,994.48	1,707.04	1,418.46	288.57	5.915	
18,500.00	9,360.00	15,019.73	8,418.00	192.28	141.84	56.914	-1,877.92	9,065.11	1,707.03	1,415.96	291.07	5.865	
18,529.37	9,360.00	15,049.10	8,418.00	192.88	142.44	56.914	-1,877.84	9,094.48	1,707.03	1,414.92	292.11	5.844	
18,600.00	9,360.00	15,119.73	8,418.00	194.34	143.90	56.914	-1,877.63	9,165.11	1,707.03	1,412.42	294.61	5.794	
18,629.37	9,360.00	15,149.10	8,418.00	194.94	144.50	56.914	-1,877.54	9,194.48	1,707.03	1,411.37	295.65	5.774	
18,700.00	9,360.00	15,219.73	8,418.00	196.40	145.95	56.914	-1,877.33	9,265.11	1,707.02	1,408.87	298.15	5.725	
18,729.37	9,360.00	15,249.10	8,418.00	197.00	146.56	56.914	-1,877.24	9,294.48	1,707.02	1,407.83	299.19	5.705	
18,800.00	9,360.00	15,319.73	8,418.00	198.46	148.01	56.914	-1,877.03	9,365.11	1,707.02	1,405.32	301.70	5.658	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,829.37	9,360.00	15,349.10	8,418.00	199.06	148.62	56.914	-1,876.94	9,394.48	1,707.02	1,404.28	302.74	5.639	
18,900.00	9,360.00	15,419.73	8,418.00	200.51	150.07	56.914	-1,876.73	9,465.11	1,707.01	1,401.78	305.24	5.592	
18,929.37	9,360.00	15,449.10	8,418.00	201.12	150.68	56.914	-1,876.64	9,494.48	1,707.01	1,400.73	306.28	5.573	
19,000.00	9,360.00	15,519.73	8,418.00	202.57	152.13	56.914	-1,876.43	9,565.11	1,707.01	1,398.23	308.78	5.528	
19,029.37	9,360.00	15,549.10	8,418.00	203.18	152.74	56.914	-1,876.34	9,594.48	1,707.01	1,397.19	309.82	5.510	
19,100.00	9,360.00	15,619.73	8,418.00	204.63	154.19	56.914	-1,876.13	9,665.11	1,707.00	1,394.68	312.32	5.465	
19,129.37	9,360.00	15,649.10	8,418.00	205.24	154.79	56.914	-1,876.05	9,694.47	1,707.00	1,393.64	313.37	5.447	
19,200.00	9,360.00	15,719.73	8,418.00	206.69	156.25	56.913	-1,875.84	9,765.10	1,707.00	1,391.13	315.87	5.404	
19,229.37	9,360.00	15,749.10	8,418.00	207.30	156.85	56.913	-1,875.75	9,794.47	1,707.00	1,390.09	316.91	5.386	
19,300.00	9,360.00	15,819.73	8,418.00	208.75	158.31	56.913	-1,875.54	9,865.10	1,706.99	1,387.58	319.41	5.344	
19,329.37	9,360.00	15,849.10	8,418.00	209.36	158.91	56.913	-1,875.45	9,894.47	1,706.99	1,386.54	320.45	5.327	
19,400.00	9,360.00	15,919.73	8,418.00	210.81	160.37	56.913	-1,875.24	9,965.10	1,706.99	1,384.03	322.96	5.285	
19,429.37	9,360.00	15,949.10	8,418.00	211.42	160.97	56.913	-1,875.15	9,994.47	1,706.99	1,382.99	324.00	5.268	
19,500.00	9,360.00	16,019.73	8,418.00	212.87	162.43	56.913	-1,874.94	10,065.10	1,706.98	1,380.48	326.50	5.228	
19,529.37	9,360.00	16,049.10	8,418.00	213.48	163.03	56.913	-1,874.85	10,094.47	1,706.98	1,379.44	327.55	5.211	
19,600.00	9,360.00	16,119.73	8,418.00	214.93	164.49	56.913	-1,874.64	10,165.10	1,706.98	1,376.93	330.05	5.172	
19,629.37	9,360.00	16,149.10	8,418.00	215.54	165.10	56.913	-1,874.56	10,194.47	1,706.98	1,375.89	331.09	5.156	
19,700.00	9,360.00	16,219.73	8,418.00	216.99	166.55	56.913	-1,874.34	10,265.10	1,706.98	1,373.38	333.60	5.117	
19,729.37	9,360.00	16,249.10	8,418.00	217.60	167.16	56.913	-1,874.26	10,294.47	1,706.97	1,372.34	334.64	5.101	
19,800.00	9,360.00	16,319.73	8,418.00	219.05	168.61	56.913	-1,874.05	10,365.10	1,706.97	1,369.83	337.14	5.063	
19,829.37	9,360.00	16,349.10	8,418.00	219.66	169.22	56.913	-1,873.96	10,394.47	1,706.97	1,368.78	338.19	5.047	
19,900.00	9,360.00	16,419.73	8,418.00	221.12	170.67	56.913	-1,873.75	10,465.10	1,706.97	1,366.27	340.69	5.010	
19,929.37	9,360.00	16,449.10	8,418.00	221.72	171.28	56.913	-1,873.66	10,494.47	1,706.96	1,365.23	341.73	4.995	
20,000.00	9,360.00	16,519.73	8,418.00	223.18	172.73	56.913	-1,873.45	10,565.10	1,706.96	1,362.72	344.24	4.959	
20,029.37	9,360.00	16,549.10	8,418.00	223.78	173.34	56.913	-1,873.36	10,594.47	1,706.96	1,361.68	345.28	4.944	
20,100.00	9,360.00	16,619.73	8,418.00	225.24	174.80	56.913	-1,873.15	10,665.10	1,706.96	1,359.17	347.79	4.908	
20,129.37	9,360.00	16,649.10	8,418.00	225.84	175.40	56.912	-1,873.06	10,694.47	1,706.96	1,358.13	348.83	4.893	
20,200.00	9,360.00	16,719.73	8,418.00	227.30	176.86	56.912	-1,872.85	10,765.10	1,706.95	1,355.62	351.34	4.858	
20,229.37	9,360.00	16,749.10	8,418.00	227.91	177.46	56.912	-1,872.77	10,794.47	1,706.95	1,354.57	352.38	4.844	
20,300.00	9,360.00	16,819.73	8,418.00	229.36	178.92	56.912	-1,872.56	10,865.10	1,706.95	1,352.06	354.88	4.810	
20,329.37	9,360.00	16,849.10	8,418.00	229.97	179.53	56.912	-1,872.47	10,894.47	1,706.95	1,351.02	355.93	4.796	
20,400.00	9,360.00	16,919.73	8,418.00	231.42	180.98	56.912	-1,872.26	10,965.10	1,706.94	1,348.51	358.43	4.762	
20,429.37	9,360.00	16,949.10	8,418.00	232.03	181.59	56.912	-1,872.17	10,994.47	1,706.94	1,347.46	359.48	4.748	
20,500.00	9,360.00	17,019.73	8,418.00	233.49	183.04	56.912	-1,871.96	11,065.10	1,706.94	1,344.95	361.98	4.716	
20,529.37	9,360.00	17,049.10	8,418.00	234.09	183.65	56.912	-1,871.87	11,094.47	1,706.94	1,343.91	363.03	4.702	
20,600.00	9,360.00	17,119.73	8,418.00	235.55	185.11	56.912	-1,871.66	11,165.10	1,706.93	1,341.40	365.53	4.670	
20,629.37	9,360.00	17,149.10	8,418.00	236.15	185.71	56.912	-1,871.57	11,194.47	1,706.93	1,340.36	366.58	4.656	
20,700.00	9,360.00	17,219.73	8,418.00	237.61	187.17	56.912	-1,871.36	11,265.10	1,706.93	1,337.84	369.08	4.625	
20,729.37	9,360.00	17,249.10	8,418.00	238.22	187.77	56.912	-1,871.28	11,294.47	1,706.93	1,336.80	370.13	4.612	
20,800.00	9,360.00	17,319.73	8,418.00	239.67	189.23	56.912	-1,871.06	11,365.10	1,706.92	1,334.29	372.63	4.581	
20,829.37	9,360.00	17,349.10	8,418.00	240.28	189.84	56.912	-1,870.98	11,394.47	1,706.92	1,333.25	373.68	4.568	
20,900.00	9,360.00	17,419.73	8,418.00	241.73	191.29	56.912	-1,870.77	11,465.10	1,706.92	1,330.73	376.18	4.537	
20,929.37	9,360.00	17,449.10	8,418.00	242.34	191.90	56.912	-1,870.68	11,494.47	1,706.92	1,329.69	377.23	4.525	
21,000.00	9,360.00	17,519.73	8,418.00	243.80	193.36	56.912	-1,870.47	11,565.10	1,706.91	1,327.18	379.74	4.495	
21,029.37	9,360.00	17,549.10	8,418.00	244.40	193.96	56.912	-1,870.38	11,594.47	1,706.91	1,326.13	380.78	4.483	
21,100.00	9,360.00	17,619.73	8,418.00	245.86	195.42	56.911	-1,870.17	11,665.10	1,706.91	1,323.62	383.29	4.453	
21,129.37	9,360.00	17,649.10	8,418.00	246.47	196.03	56.911	-1,870.08	11,694.47	1,706.91	1,322.58	384.33	4.441	
21,200.00	9,360.00	17,719.73	8,418.00	247.92	197.48	56.911	-1,869.87	11,765.10	1,706.90	1,320.07	386.84	4.412	
21,229.37	9,360.00	17,749.10	8,418.00	248.53	198.09	56.911	-1,869.78	11,794.47	1,706.90	1,319.02	387.88	4.401	
21,300.00	9,360.00	17,819.73	8,418.00	249.99	199.55	56.911	-1,869.57	11,865.10	1,706.90	1,316.51	390.39	4.372	
21,329.37	9,360.00	17,849.10	8,418.00	250.59	200.15	56.911	-1,869.49	11,894.47	1,706.90	1,315.46	391.43	4.361	
21,400.00	9,360.00	17,919.73	8,418.00	252.05	201.61	56.911	-1,869.28	11,965.09	1,706.89	1,312.95	393.94	4.333	

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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		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)			
21,429.37	9,360.00	17,949.10	8,418.00	252.65	202.22	56.911	-1,869.19	11,994.46	1,706.89	1,311.91	394.99	4.321	
21,500.00	9,360.00	18,019.73	8,418.00	254.11	203.68	56.911	-1,868.98	12,065.09	1,706.89	1,309.40	397.49	4.294	
21,529.37	9,360.00	18,049.10	8,418.00	254.72	204.28	56.911	-1,868.89	12,094.46	1,706.89	1,308.35	398.54	4.283	
21,600.00	9,360.00	18,119.73	8,418.00	256.17	205.74	56.911	-1,868.68	12,165.09	1,706.89	1,305.84	401.05	4.256	
21,629.37	9,360.00	18,149.10	8,418.00	256.78	206.35	56.911	-1,868.59	12,194.46	1,706.88	1,304.79	402.09	4.245	
21,700.00	9,360.00	18,219.73	8,418.00	258.24	207.80	56.911	-1,868.38	12,265.09	1,706.88	1,302.28	404.60	4.219	
21,729.37	9,360.00	18,249.10	8,418.00	258.84	208.41	56.911	-1,868.29	12,294.46	1,706.88	1,301.24	405.64	4.208	
21,800.00	9,360.00	18,319.73	8,418.00	260.30	209.87	56.911	-1,868.08	12,365.09	1,706.88	1,298.72	408.15	4.182	
21,829.37	9,360.00	18,349.10	8,418.00	260.91	210.47	56.911	-1,867.99	12,394.46	1,706.87	1,297.68	409.20	4.171	
21,900.00	9,360.00	18,419.73	8,418.00	262.37	211.93	56.911	-1,867.78	12,465.09	1,706.87	1,295.16	411.71	4.146	
21,929.37	9,360.00	18,449.10	8,418.00	262.97	212.54	56.911	-1,867.70	12,494.46	1,706.87	1,294.12	412.75	4.135	
22,000.00	9,360.00	18,519.73	8,418.00	264.43	214.00	56.911	-1,867.49	12,565.09	1,706.87	1,291.61	415.26	4.110	
22,029.37	9,360.00	18,549.10	8,418.00	265.04	214.60	56.911	-1,867.40	12,594.46	1,706.87	1,290.56	416.30	4.100	
22,100.00	9,360.00	18,619.73	8,418.00	266.49	216.06	56.910	-1,867.19	12,665.09	1,706.86	1,288.05	418.81	4.075	
22,129.37	9,360.00	18,649.10	8,418.00	267.10	216.67	56.910	-1,867.10	12,694.46	1,706.86	1,287.00	419.86	4.065	
22,200.00	9,360.00	18,719.73	8,418.00	268.56	218.12	56.910	-1,866.89	12,765.09	1,706.86	1,284.49	422.37	4.041	
22,229.37	9,360.00	18,749.10	8,418.00	269.16	218.73	56.910	-1,866.80	12,794.46	1,706.86	1,283.44	423.41	4.031	
22,300.00	9,360.00	18,819.73	8,418.00	270.62	220.19	56.910	-1,866.59	12,865.09	1,706.85	1,280.93	425.92	4.007	
22,329.37	9,360.00	18,849.10	8,418.00	271.23	220.80	56.910	-1,866.50	12,894.46	1,706.85	1,279.88	426.97	3.998	
22,400.00	9,360.00	18,919.73	8,418.00	272.68	222.25	56.910	-1,866.29	12,965.09	1,706.85	1,277.37	429.48	3.974	
22,429.37	9,360.00	18,949.10	8,418.00	273.29	222.86	56.910	-1,866.21	12,994.46	1,706.85	1,276.33	430.52	3.965	
22,500.00	9,360.00	19,019.73	8,418.00	274.75	224.32	56.910	-1,866.00	13,065.09	1,706.84	1,273.81	433.03	3.942	
22,529.37	9,360.00	19,049.10	8,418.00	275.36	224.92	56.910	-1,865.91	13,094.46	1,706.84	1,272.77	434.08	3.932	
22,600.00	9,360.00	19,119.73	8,418.00	276.81	226.38	56.910	-1,865.70	13,165.09	1,706.84	1,270.25	436.59	3.910	
22,629.37	9,360.00	19,149.10	8,418.00	277.42	226.99	56.910	-1,865.61	13,194.46	1,706.84	1,269.21	437.63	3.900	
22,700.00	9,360.00	19,219.73	8,418.00	278.88	228.45	56.910	-1,865.40	13,265.09	1,706.83	1,266.69	440.14	3.878	
22,729.37	9,360.00	19,249.10	8,418.00	279.48	229.05	56.910	-1,865.31	13,294.46	1,706.83	1,265.65	441.18	3.869	
22,756.37	9,360.00	19,276.09	8,418.00	280.04	229.61	56.910	-1,865.23	13,321.45	1,706.83	1,264.69	442.14	3.860	
22,771.47	9,360.00	19,291.20	8,418.00	280.35	229.92	56.910	-1,865.19	13,336.55	1,706.83	1,264.15	442.68	3.856 CC, ES, SF	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3725.18usft

Offset Depths are relative to Offset Datum

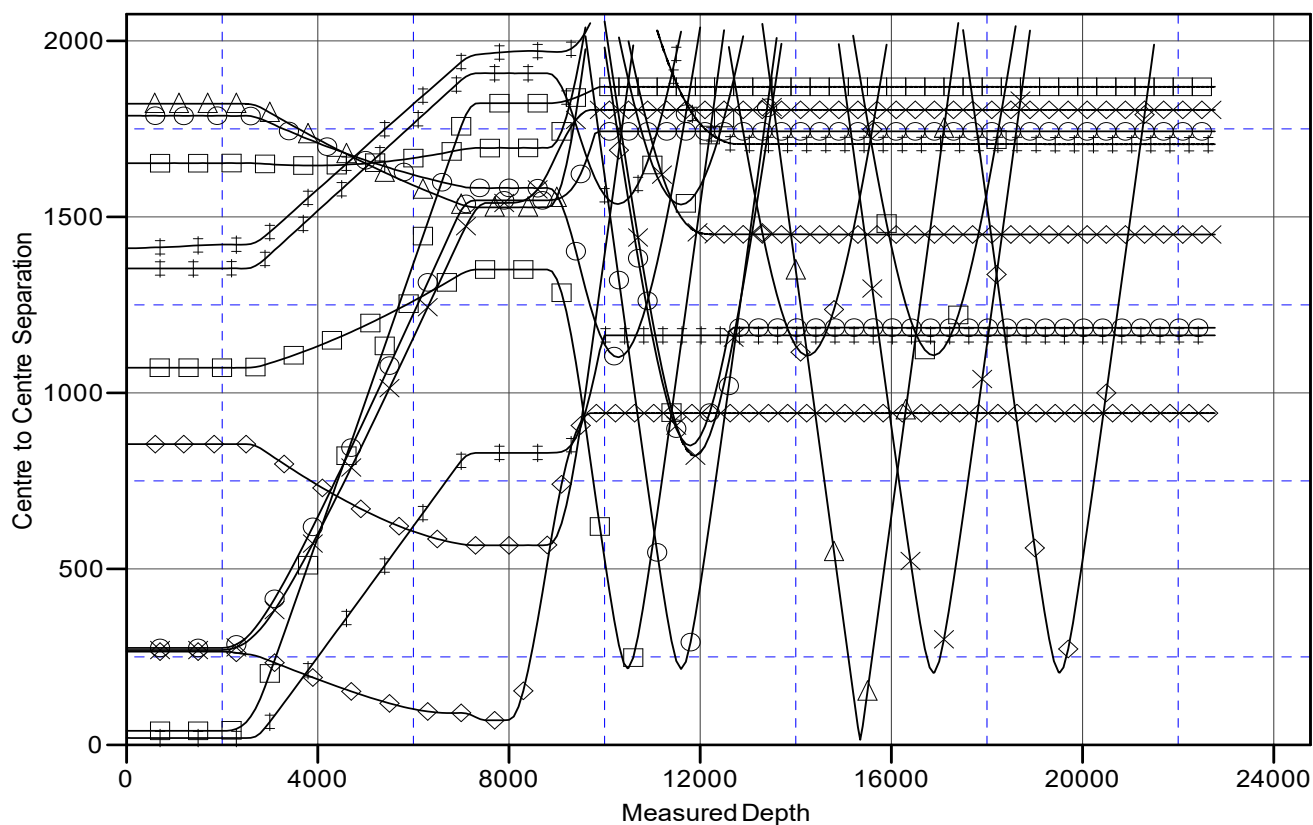
Central Meridian is -104.33333334

Coordinates are relative to: (01) Bond 32-34 FED COM 205H

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 207H, 207H, 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 (01) Bond 32-34 FED COM #103H, #103H, Plan 1 V0 (02) Bond 32-34 FED COM #101H, #101H, Plan 1 V0 (02) Bond 32-34 FED COM #101H, #101H, Plan 1 V0 (W22) WATKINS 32 STATE 001, 31735, (IncOnly) V0 (W14) KEEL A FEDERAL 003, 33340, (IncOnly) V0	(W17) MAX STATE 001, 26754, (IncOnly) V0 (W16) LEAR STATE SWD 003, 26703, (IncOnly) V0 (W21) WANDER FEDERAL 001, 26352, (IncOnly) V0 (W12) HULKSTER 005, 39572, (IncOnly) V0 (W10) HULKSTER 003, 39570, (IncOnly) V0 (W08) HULKSTER 001, 39446, (IncOnly) V0 (W01) N LUSK 32 STATE 001, 35747, (Geo) V0 (W11) HULKSTER 004, 39571, (IncOnly) V0	(W02) LEAR STATE 001H, 38885, (GeoMMD) V0 (W18) MCKAY WEST FEDERAL 001, 24931, (IncOnly) V0 (W05) GULF FEDERAL 002, 26310, (IncOnly) V0 (W09) HULKSTER 002, 38844, (IncOnly) V0 (W06) GULF FEDERAL COM 001, 25637, (IncOnly) V0 (04) Bond 33-34 FED COM #104H, #104H, Plan 1 V0 (02) Bond 33-34 FED COM #304H, #304H, Plan 1 V0
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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 205H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3725.18usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3725.18usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	205H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3725.18usft

Offset Depths are relative to Offset Datum

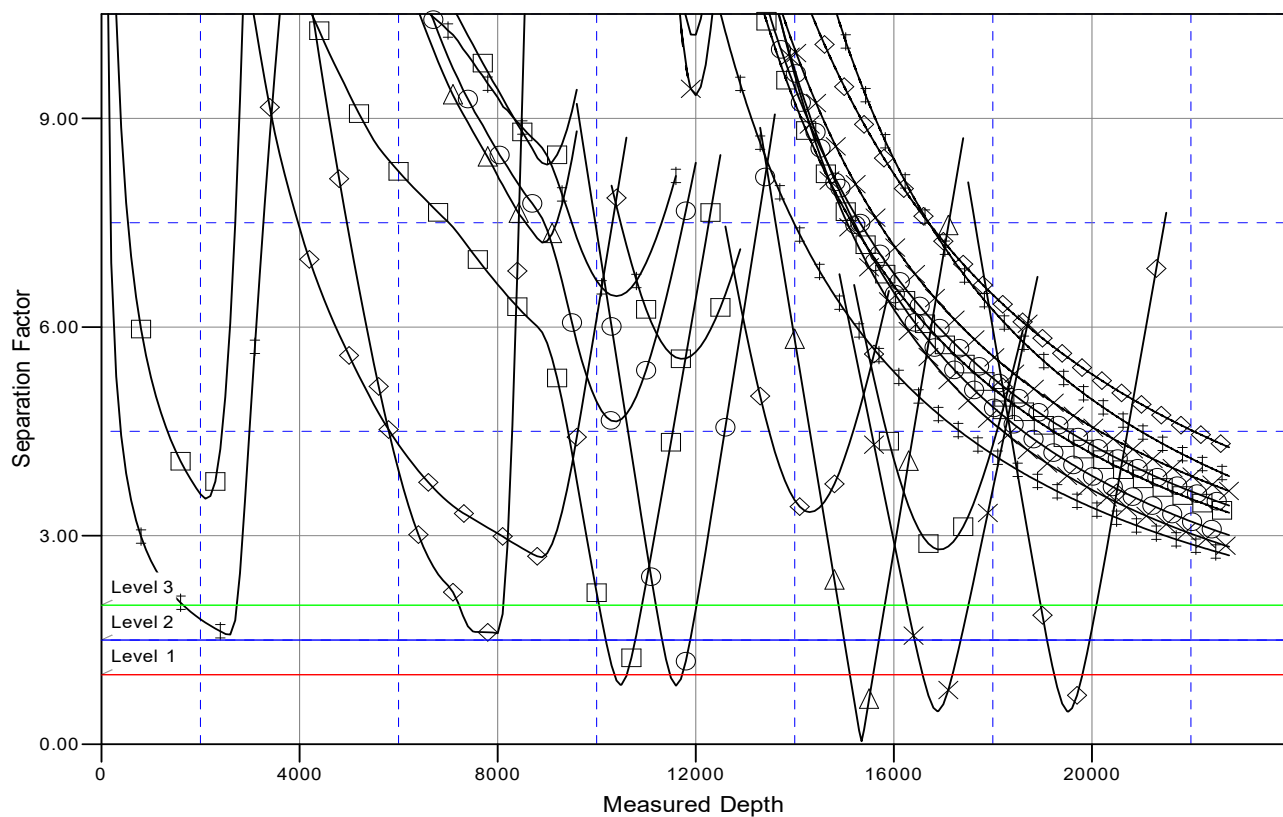
Central Meridian is -104.33333334

Coordinates are relative to: (01) Bond 32-34 FED COM 205H

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 207H, 207H, 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 #303H, #303H, Plan 1 V0
(06) Bond 32-34 FED COM #101H, #101H, Plan 1 V0
(07) WATKINS 32 STATE 001, 31735, (incOnly) V0
(08) KEEL A FEDERAL 003, 33340, (incOnly) V0

(W17) MAX STATE 001, 26754, (incOnly) V0
(W16) LEAR STATE SVD 003, 26703, (incOnly) V0
(W21) WANDOVER FEDERAL 001, 26352, (incOnly) V0
(W12) HULKSTER 005, 39572, (incOnly) V0
(W10) HULKSTER 003, 39570, (incOnly) V0
(W08) HULKSTER 001, 38446, (incOnly) V0
(W01) HULKSTER 32 STATE 001, 35747, (incOnly) V0
(W11) HULKSTER 004, 39571, (incOnly) V0

(W02) LEAR STATE 001H, 38865, (incOnly) V0
(W18) MCKAY WEST FEDERAL 001, 24931, (incOnly) V0
(W05) GULF FEDERAL 002, 26310, (incOnly) V0
(W09) HULKSTER 002, 38844, (incOnly) V0
(W06) GULF FEDERAL 001, 25637, (incOnly) V0
(04) Bond 33-34 FED COM #104H, #104H, Plan 1 V0
(02) Bond 33-34 FED COM #304H, #304H, Plan 1 V0

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



PBEX

**Lea County, NM (N83 - NME)
Bond North Pad - Phase 1
(01) Bond 32-34 FED COM 205H
TBD
205H**

Plan: Plan 2

Standard Planning Report

03 December, 2025

DIXON



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3725.18usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3725.18usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 2		

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

Site		Bond North Pad - Phase 1				
Site Position:		Northing:	621,199.62	usft	Latitude:	32.70653820
From:	Map	Easting:	708,751.47	usft	Longitude:	-103.78905586
Position Uncertainty:		0.00	usft	Slot Radius:	13-3/16	"

Well	(01) Bond 32-34 FED COM 205H					
Well Position	+N/-S	0.00 usft	Northing:	621,199.62 usft	Latitude:	32.70653820
	+E/-W	0.00 usft	Easting:	708,751.47 usft	Longitude:	-103.78905586
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,694.68 usft
Grid Convergence:	0.294 °					

Wellbore	205H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/3/2025	6.351	60.144	47,228.19754514

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

Plan Survey Tool Program	Date	12/3/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	22,771.47 Plan 2 (205H)	MWD+IFR1	OWSG MWD + IFR1	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,857.47	7.15	211.50	2,856.54	-18.99	-11.64	2.00	2.00	0.00	211.504	
6,976.41	7.15	211.50	6,943.46	-456.06	-279.52	0.00	0.00	0.00	0.000	
7,333.88	0.00	89.83	7,300.00	-475.05	-291.16	2.00	-2.00	0.00	180.000	
8,820.92	0.00	89.83	8,787.04	-475.05	-291.16	0.00	0.00	0.00	0.000	
9,720.92	90.00	89.83	9,360.00	-473.37	281.80	10.00	10.00	0.00	0.000	FTP/PP - v1 - (01) Bo
22,771.47	90.00	89.83	9,360.00	-435.19	13,332.29	0.00	0.00	0.00	0.000	PBHL - v1 - (01) Bonc



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3725.18usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3725.18usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,600.00	2.00	211.50	2,599.98	-1.49	-0.91	-0.92	2.00	2.00	0.00
2,700.00	4.00	211.50	2,699.84	-5.95	-3.65	-3.66	2.00	2.00	0.00
2,800.00	6.00	211.50	2,799.45	-13.38	-8.20	-8.24	2.00	2.00	0.00
2,857.47	7.15	211.50	2,856.54	-18.99	-11.64	-11.70	2.00	2.00	0.00
Start 4118.95 hold at 2857.47 MD									
2,900.00	7.15	211.50	2,898.74	-23.50	-14.41	-14.47	0.00	0.00	0.00
3,000.00	7.15	211.50	2,997.97	-34.11	-20.91	-21.01	0.00	0.00	0.00
3,100.00	7.15	211.50	3,097.19	-44.73	-27.41	-27.54	0.00	0.00	0.00
3,200.00	7.15	211.50	3,196.41	-55.34	-33.92	-34.08	0.00	0.00	0.00
3,300.00	7.15	211.50	3,295.63	-65.95	-40.42	-40.61	0.00	0.00	0.00
3,400.00	7.15	211.50	3,394.86	-76.56	-46.92	-47.15	0.00	0.00	0.00
3,500.00	7.15	211.50	3,494.08	-87.17	-53.43	-53.68	0.00	0.00	0.00
3,600.00	7.15	211.50	3,593.30	-97.78	-59.93	-60.22	0.00	0.00	0.00
3,700.00	7.15	211.50	3,692.52	-108.39	-66.43	-66.75	0.00	0.00	0.00
3,800.00	7.15	211.50	3,791.75	-119.00	-72.94	-73.29	0.00	0.00	0.00
3,900.00	7.15	211.50	3,890.97	-129.61	-79.44	-79.82	0.00	0.00	0.00
4,000.00	7.15	211.50	3,990.19	-140.23	-85.94	-86.36	0.00	0.00	0.00
4,100.00	7.15	211.50	4,089.41	-150.84	-92.45	-92.89	0.00	0.00	0.00
4,200.00	7.15	211.50	4,188.64	-161.45	-98.95	-99.43	0.00	0.00	0.00
4,300.00	7.15	211.50	4,287.86	-172.06	-105.45	-105.96	0.00	0.00	0.00
4,400.00	7.15	211.50	4,387.08	-182.67	-111.96	-112.50	0.00	0.00	0.00
4,500.00	7.15	211.50	4,486.30	-193.28	-118.46	-119.03	0.00	0.00	0.00
4,600.00	7.15	211.50	4,585.53	-203.89	-124.97	-125.57	0.00	0.00	0.00
4,700.00	7.15	211.50	4,684.75	-214.50	-131.47	-132.10	0.00	0.00	0.00
4,800.00	7.15	211.50	4,783.97	-225.11	-137.97	-138.64	0.00	0.00	0.00
4,900.00	7.15	211.50	4,883.19	-235.73	-144.48	-145.17	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 205H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3725.18usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3725.18usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	7.15	211.50	4,982.42	-246.34	-150.98	-151.71	0.00	0.00	0.00
5,100.00	7.15	211.50	5,081.64	-256.95	-157.48	-158.24	0.00	0.00	0.00
5,200.00	7.15	211.50	5,180.86	-267.56	-163.99	-164.78	0.00	0.00	0.00
5,300.00	7.15	211.50	5,280.08	-278.17	-170.49	-171.31	0.00	0.00	0.00
5,400.00	7.15	211.50	5,379.31	-288.78	-176.99	-177.85	0.00	0.00	0.00
5,500.00	7.15	211.50	5,478.53	-299.39	-183.50	-184.38	0.00	0.00	0.00
5,600.00	7.15	211.50	5,577.75	-310.00	-190.00	-190.92	0.00	0.00	0.00
5,700.00	7.15	211.50	5,676.97	-320.61	-196.50	-197.45	0.00	0.00	0.00
5,800.00	7.15	211.50	5,776.20	-331.23	-203.01	-203.99	0.00	0.00	0.00
5,900.00	7.15	211.50	5,875.42	-341.84	-209.51	-210.52	0.00	0.00	0.00
6,000.00	7.15	211.50	5,974.64	-352.45	-216.01	-217.06	0.00	0.00	0.00
6,100.00	7.15	211.50	6,073.86	-363.06	-222.52	-223.59	0.00	0.00	0.00
6,200.00	7.15	211.50	6,173.09	-373.67	-229.02	-230.13	0.00	0.00	0.00
6,300.00	7.15	211.50	6,272.31	-384.28	-235.53	-236.66	0.00	0.00	0.00
6,400.00	7.15	211.50	6,371.53	-394.89	-242.03	-243.20	0.00	0.00	0.00
6,500.00	7.15	211.50	6,470.75	-405.50	-248.53	-249.73	0.00	0.00	0.00
6,600.00	7.15	211.50	6,569.98	-416.11	-255.04	-256.27	0.00	0.00	0.00
6,700.00	7.15	211.50	6,669.20	-426.73	-261.54	-262.80	0.00	0.00	0.00
6,800.00	7.15	211.50	6,768.42	-437.34	-268.04	-269.34	0.00	0.00	0.00
6,900.00	7.15	211.50	6,867.64	-447.95	-274.55	-275.87	0.00	0.00	0.00
6,976.41	7.15	211.50	6,943.46	-456.06	-279.52	-280.87	0.00	0.00	0.00
Start Drop -2.00									
7,000.00	6.68	211.50	6,966.88	-458.48	-281.00	-282.36	2.00	-2.00	0.00
7,100.00	4.68	211.50	7,066.38	-466.91	-286.17	-287.55	2.00	-2.00	0.00
7,200.00	2.68	211.50	7,166.17	-472.38	-289.52	-290.92	2.00	-2.00	0.00
7,300.00	0.68	211.50	7,266.12	-474.88	-291.05	-292.46	2.00	-2.00	0.00
7,333.88	0.00	89.83	7,300.00	-475.05	-291.16	-292.56	2.00	-2.00	0.00
Start 1487.04 hold at 7333.88 MD									
7,400.00	0.00	0.00	7,366.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
7,500.00	0.00	0.00	7,466.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
7,600.00	0.00	0.00	7,566.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
7,700.00	0.00	0.00	7,666.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
7,800.00	0.00	0.00	7,766.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
7,900.00	0.00	0.00	7,866.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,000.00	0.00	0.00	7,966.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,100.00	0.00	0.00	8,066.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,200.00	0.00	0.00	8,166.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,300.00	0.00	0.00	8,266.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,400.00	0.00	0.00	8,366.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,500.00	0.00	0.00	8,466.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,600.00	0.00	0.00	8,566.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,700.00	0.00	0.00	8,666.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,800.00	0.00	0.00	8,766.12	-475.05	-291.16	-292.56	0.00	0.00	0.00
8,820.92	0.00	0.00	8,787.04	-475.05	-291.16	-292.56	0.00	0.00	0.00
Start Build 10.00									
8,850.00	2.91	89.83	8,816.11	-475.04	-290.42	-291.83	10.00	10.00	0.00
8,900.00	7.91	89.83	8,865.87	-475.03	-285.71	-287.11	10.00	10.00	0.00
8,950.00	12.91	89.83	8,915.03	-475.00	-276.68	-278.08	10.00	10.00	0.00
9,000.00	17.91	89.83	8,963.22	-474.97	-263.40	-264.80	10.00	10.00	0.00
9,050.00	22.91	89.83	9,010.07	-474.91	-245.97	-247.38	10.00	10.00	0.00
9,100.00	27.91	89.83	9,055.22	-474.85	-224.52	-225.93	10.00	10.00	0.00
9,150.00	32.91	89.83	9,098.33	-474.78	-199.22	-200.63	10.00	10.00	0.00
9,200.00	37.91	89.83	9,139.06	-474.69	-170.26	-171.67	10.00	10.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3725.18usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3725.18usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,250.00	42.91	89.83	9,177.13	-474.60	-137.86	-139.27	10.00	10.00	0.00	
9,300.00	47.91	89.83	9,212.22	-474.49	-102.27	-103.67	10.00	10.00	0.00	
9,350.00	52.91	89.83	9,244.07	-474.38	-63.75	-65.15	10.00	10.00	0.00	
9,400.00	57.91	89.83	9,272.45	-474.26	-22.60	-24.01	10.00	10.00	0.00	
9,450.00	62.91	89.83	9,297.13	-474.13	20.86	19.46	10.00	10.00	0.00	
9,500.00	67.91	89.83	9,317.93	-474.00	66.31	64.91	10.00	10.00	0.00	
9,550.00	72.91	89.83	9,334.69	-473.86	113.40	112.00	10.00	10.00	0.00	
9,600.00	77.91	89.83	9,347.29	-473.72	161.78	160.37	10.00	10.00	0.00	
9,650.00	82.91	89.83	9,355.62	-473.58	211.06	209.66	10.00	10.00	0.00	
9,700.00	87.91	89.83	9,359.62	-473.43	260.88	259.48	10.00	10.00	0.00	
9,720.92	90.00	89.83	9,360.00	-473.37	281.80	280.39	10.00	10.00	0.00	
Start 13050.55 hold at 9720.92 MD										
9,800.00	90.00	89.83	9,360.00	-473.14	360.88	359.47	0.00	0.00	0.00	
9,900.00	90.00	89.83	9,360.00	-472.85	460.88	459.47	0.00	0.00	0.00	
10,000.00	90.00	89.83	9,360.00	-472.55	560.88	559.47	0.00	0.00	0.00	
10,100.00	90.00	89.83	9,360.00	-472.26	660.88	659.47	0.00	0.00	0.00	
10,200.00	90.00	89.83	9,360.00	-471.97	760.88	759.47	0.00	0.00	0.00	
10,300.00	90.00	89.83	9,360.00	-471.68	860.88	859.47	0.00	0.00	0.00	
10,400.00	90.00	89.83	9,360.00	-471.38	960.88	959.47	0.00	0.00	0.00	
10,500.00	90.00	89.83	9,360.00	-471.09	1,060.88	1,059.47	0.00	0.00	0.00	
10,600.00	90.00	89.83	9,360.00	-470.80	1,160.88	1,159.47	0.00	0.00	0.00	
10,700.00	90.00	89.83	9,360.00	-470.51	1,260.88	1,259.47	0.00	0.00	0.00	
10,800.00	90.00	89.83	9,360.00	-470.21	1,360.88	1,359.47	0.00	0.00	0.00	
10,900.00	90.00	89.83	9,360.00	-469.92	1,460.87	1,459.47	0.00	0.00	0.00	
11,000.00	90.00	89.83	9,360.00	-469.63	1,560.87	1,559.47	0.00	0.00	0.00	
11,100.00	90.00	89.83	9,360.00	-469.34	1,660.87	1,659.47	0.00	0.00	0.00	
11,200.00	90.00	89.83	9,360.00	-469.04	1,760.87	1,759.47	0.00	0.00	0.00	
11,300.00	90.00	89.83	9,360.00	-468.75	1,860.87	1,859.47	0.00	0.00	0.00	
11,400.00	90.00	89.83	9,360.00	-468.46	1,960.87	1,959.47	0.00	0.00	0.00	
11,500.00	90.00	89.83	9,360.00	-468.17	2,060.87	2,059.47	0.00	0.00	0.00	
11,600.00	90.00	89.83	9,360.00	-467.87	2,160.87	2,159.47	0.00	0.00	0.00	
11,700.00	90.00	89.83	9,360.00	-467.58	2,260.87	2,259.47	0.00	0.00	0.00	
11,800.00	90.00	89.83	9,360.00	-467.29	2,360.87	2,359.47	0.00	0.00	0.00	
11,900.00	90.00	89.83	9,360.00	-467.00	2,460.87	2,459.47	0.00	0.00	0.00	
12,000.00	90.00	89.83	9,360.00	-466.70	2,560.87	2,559.47	0.00	0.00	0.00	
12,100.00	90.00	89.83	9,360.00	-466.41	2,660.87	2,659.47	0.00	0.00	0.00	
12,200.00	90.00	89.83	9,360.00	-466.12	2,760.87	2,759.47	0.00	0.00	0.00	
12,300.00	90.00	89.83	9,360.00	-465.82	2,860.87	2,859.47	0.00	0.00	0.00	
12,400.00	90.00	89.83	9,360.00	-465.53	2,960.87	2,959.47	0.00	0.00	0.00	
12,500.00	90.00	89.83	9,360.00	-465.24	3,060.87	3,059.47	0.00	0.00	0.00	
12,600.00	90.00	89.83	9,360.00	-464.95	3,160.87	3,159.47	0.00	0.00	0.00	
12,700.00	90.00	89.83	9,360.00	-464.65	3,260.87	3,259.47	0.00	0.00	0.00	
12,800.00	90.00	89.83	9,360.00	-464.36	3,360.87	3,359.47	0.00	0.00	0.00	
12,900.00	90.00	89.83	9,360.00	-464.07	3,460.87	3,459.47	0.00	0.00	0.00	
13,000.00	90.00	89.83	9,360.00	-463.78	3,560.87	3,559.47	0.00	0.00	0.00	
13,100.00	90.00	89.83	9,360.00	-463.48	3,660.87	3,659.47	0.00	0.00	0.00	
13,200.00	90.00	89.83	9,360.00	-463.19	3,760.87	3,759.47	0.00	0.00	0.00	
13,300.00	90.00	89.83	9,360.00	-462.90	3,860.86	3,859.47	0.00	0.00	0.00	
13,400.00	90.00	89.83	9,360.00	-462.61	3,960.86	3,959.47	0.00	0.00	0.00	
13,500.00	90.00	89.83	9,360.00	-462.31	4,060.86	4,059.47	0.00	0.00	0.00	
13,600.00	90.00	89.83	9,360.00	-462.02	4,160.86	4,159.47	0.00	0.00	0.00	
13,700.00	90.00	89.83	9,360.00	-461.73	4,260.86	4,259.47	0.00	0.00	0.00	
13,800.00	90.00	89.83	9,360.00	-461.44	4,360.86	4,359.47	0.00	0.00	0.00	
13,900.00	90.00	89.83	9,360.00	-461.14	4,460.86	4,459.47	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 205H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3725.18usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3725.18usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,000.00	90.00	89.83	9,360.00	-460.85	4,560.86	4,559.47	0.00	0.00	0.00
14,100.00	90.00	89.83	9,360.00	-460.56	4,660.86	4,659.47	0.00	0.00	0.00
14,200.00	90.00	89.83	9,360.00	-460.27	4,760.86	4,759.47	0.00	0.00	0.00
14,300.00	90.00	89.83	9,360.00	-459.97	4,860.86	4,859.47	0.00	0.00	0.00
14,400.00	90.00	89.83	9,360.00	-459.68	4,960.86	4,959.47	0.00	0.00	0.00
14,500.00	90.00	89.83	9,360.00	-459.39	5,060.86	5,059.47	0.00	0.00	0.00
14,600.00	90.00	89.83	9,360.00	-459.10	5,160.86	5,159.47	0.00	0.00	0.00
14,700.00	90.00	89.83	9,360.00	-458.80	5,260.86	5,259.47	0.00	0.00	0.00
14,800.00	90.00	89.83	9,360.00	-458.51	5,360.86	5,359.47	0.00	0.00	0.00
14,900.00	90.00	89.83	9,360.00	-458.22	5,460.86	5,459.47	0.00	0.00	0.00
15,000.00	90.00	89.83	9,360.00	-457.93	5,560.86	5,559.47	0.00	0.00	0.00
15,100.00	90.00	89.83	9,360.00	-457.63	5,660.86	5,659.47	0.00	0.00	0.00
15,200.00	90.00	89.83	9,360.00	-457.34	5,760.86	5,759.47	0.00	0.00	0.00
15,300.00	90.00	89.83	9,360.00	-457.05	5,860.86	5,859.47	0.00	0.00	0.00
15,400.00	90.00	89.83	9,360.00	-456.76	5,960.86	5,959.47	0.00	0.00	0.00
15,500.00	90.00	89.83	9,360.00	-456.46	6,060.86	6,059.47	0.00	0.00	0.00
15,600.00	90.00	89.83	9,360.00	-456.17	6,160.85	6,159.47	0.00	0.00	0.00
15,700.00	90.00	89.83	9,360.00	-455.88	6,260.85	6,259.47	0.00	0.00	0.00
15,800.00	90.00	89.83	9,360.00	-455.59	6,360.85	6,359.47	0.00	0.00	0.00
15,900.00	90.00	89.83	9,360.00	-455.29	6,460.85	6,459.47	0.00	0.00	0.00
16,000.00	90.00	89.83	9,360.00	-455.00	6,560.85	6,559.47	0.00	0.00	0.00
16,100.00	90.00	89.83	9,360.00	-454.71	6,660.85	6,659.47	0.00	0.00	0.00
16,200.00	90.00	89.83	9,360.00	-454.42	6,760.85	6,759.47	0.00	0.00	0.00
16,300.00	90.00	89.83	9,360.00	-454.12	6,860.85	6,859.47	0.00	0.00	0.00
16,400.00	90.00	89.83	9,360.00	-453.83	6,960.85	6,959.47	0.00	0.00	0.00
16,500.00	90.00	89.83	9,360.00	-453.54	7,060.85	7,059.47	0.00	0.00	0.00
16,600.00	90.00	89.83	9,360.00	-453.24	7,160.85	7,159.47	0.00	0.00	0.00
16,700.00	90.00	89.83	9,360.00	-452.95	7,260.85	7,259.47	0.00	0.00	0.00
16,800.00	90.00	89.83	9,360.00	-452.66	7,360.85	7,359.47	0.00	0.00	0.00
16,900.00	90.00	89.83	9,360.00	-452.37	7,460.85	7,459.47	0.00	0.00	0.00
17,000.00	90.00	89.83	9,360.00	-452.07	7,560.85	7,559.47	0.00	0.00	0.00
17,100.00	90.00	89.83	9,360.00	-451.78	7,660.85	7,659.47	0.00	0.00	0.00
17,200.00	90.00	89.83	9,360.00	-451.49	7,760.85	7,759.47	0.00	0.00	0.00
17,300.00	90.00	89.83	9,360.00	-451.20	7,860.85	7,859.47	0.00	0.00	0.00
17,400.00	90.00	89.83	9,360.00	-450.90	7,960.85	7,959.47	0.00	0.00	0.00
17,500.00	90.00	89.83	9,360.00	-450.61	8,060.85	8,059.47	0.00	0.00	0.00
17,600.00	90.00	89.83	9,360.00	-450.32	8,160.85	8,159.47	0.00	0.00	0.00
17,700.00	90.00	89.83	9,360.00	-450.03	8,260.85	8,259.47	0.00	0.00	0.00
17,800.00	90.00	89.83	9,360.00	-449.73	8,360.85	8,359.47	0.00	0.00	0.00
17,900.00	90.00	89.83	9,360.00	-449.44	8,460.85	8,459.47	0.00	0.00	0.00
18,000.00	90.00	89.83	9,360.00	-449.15	8,560.84	8,559.47	0.00	0.00	0.00
18,100.00	90.00	89.83	9,360.00	-448.86	8,660.84	8,659.47	0.00	0.00	0.00
18,200.00	90.00	89.83	9,360.00	-448.56	8,760.84	8,759.47	0.00	0.00	0.00
18,300.00	90.00	89.83	9,360.00	-448.27	8,860.84	8,859.47	0.00	0.00	0.00
18,400.00	90.00	89.83	9,360.00	-447.98	8,960.84	8,959.47	0.00	0.00	0.00
18,500.00	90.00	89.83	9,360.00	-447.69	9,060.84	9,059.47	0.00	0.00	0.00
18,600.00	90.00	89.83	9,360.00	-447.39	9,160.84	9,159.47	0.00	0.00	0.00
18,700.00	90.00	89.83	9,360.00	-447.10	9,260.84	9,259.47	0.00	0.00	0.00
18,800.00	90.00	89.83	9,360.00	-446.81	9,360.84	9,359.47	0.00	0.00	0.00
18,900.00	90.00	89.83	9,360.00	-446.52	9,460.84	9,459.47	0.00	0.00	0.00
19,000.00	90.00	89.83	9,360.00	-446.22	9,560.84	9,559.47	0.00	0.00	0.00
19,100.00	90.00	89.83	9,360.00	-445.93	9,660.84	9,659.47	0.00	0.00	0.00
19,200.00	90.00	89.83	9,360.00	-445.64	9,760.84	9,759.47	0.00	0.00	0.00
19,300.00	90.00	89.83	9,360.00	-445.35	9,860.84	9,859.47	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 205H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3725.18usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3725.18usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,400.00	90.00	89.83	9,360.00	-445.05	9,960.84	9,959.47	0.00	0.00	0.00	
19,500.00	90.00	89.83	9,360.00	-444.76	10,060.84	10,059.47	0.00	0.00	0.00	
19,600.00	90.00	89.83	9,360.00	-444.47	10,160.84	10,159.47	0.00	0.00	0.00	
19,700.00	90.00	89.83	9,360.00	-444.18	10,260.84	10,259.47	0.00	0.00	0.00	
19,800.00	90.00	89.83	9,360.00	-443.88	10,360.84	10,359.47	0.00	0.00	0.00	
19,900.00	90.00	89.83	9,360.00	-443.59	10,460.84	10,459.47	0.00	0.00	0.00	
20,000.00	90.00	89.83	9,360.00	-443.30	10,560.84	10,559.47	0.00	0.00	0.00	
20,100.00	90.00	89.83	9,360.00	-443.01	10,660.84	10,659.47	0.00	0.00	0.00	
20,200.00	90.00	89.83	9,360.00	-442.71	10,760.84	10,759.47	0.00	0.00	0.00	
20,300.00	90.00	89.83	9,360.00	-442.42	10,860.83	10,859.47	0.00	0.00	0.00	
20,400.00	90.00	89.83	9,360.00	-442.13	10,960.83	10,959.47	0.00	0.00	0.00	
20,500.00	90.00	89.83	9,360.00	-441.84	11,060.83	11,059.47	0.00	0.00	0.00	
20,600.00	90.00	89.83	9,360.00	-441.54	11,160.83	11,159.47	0.00	0.00	0.00	
20,700.00	90.00	89.83	9,360.00	-441.25	11,260.83	11,259.47	0.00	0.00	0.00	
20,800.00	90.00	89.83	9,360.00	-440.96	11,360.83	11,359.47	0.00	0.00	0.00	
20,900.00	90.00	89.83	9,360.00	-440.67	11,460.83	11,459.47	0.00	0.00	0.00	
21,000.00	90.00	89.83	9,360.00	-440.37	11,560.83	11,559.47	0.00	0.00	0.00	
21,100.00	90.00	89.83	9,360.00	-440.08	11,660.83	11,659.47	0.00	0.00	0.00	
21,200.00	90.00	89.83	9,360.00	-439.79	11,760.83	11,759.47	0.00	0.00	0.00	
21,300.00	90.00	89.83	9,360.00	-439.49	11,860.83	11,859.47	0.00	0.00	0.00	
21,400.00	90.00	89.83	9,360.00	-439.20	11,960.83	11,959.47	0.00	0.00	0.00	
21,500.00	90.00	89.83	9,360.00	-438.91	12,060.83	12,059.47	0.00	0.00	0.00	
21,600.00	90.00	89.83	9,360.00	-438.62	12,160.83	12,159.47	0.00	0.00	0.00	
21,700.00	90.00	89.83	9,360.00	-438.32	12,260.83	12,259.47	0.00	0.00	0.00	
21,800.00	90.00	89.83	9,360.00	-438.03	12,360.83	12,359.47	0.00	0.00	0.00	
21,900.00	90.00	89.83	9,360.00	-437.74	12,460.83	12,459.47	0.00	0.00	0.00	
22,000.00	90.00	89.83	9,360.00	-437.45	12,560.83	12,559.47	0.00	0.00	0.00	
22,100.00	90.00	89.83	9,360.00	-437.15	12,660.83	12,659.47	0.00	0.00	0.00	
22,200.00	90.00	89.83	9,360.00	-436.86	12,760.83	12,759.47	0.00	0.00	0.00	
22,300.00	90.00	89.83	9,360.00	-436.57	12,860.83	12,859.47	0.00	0.00	0.00	
22,400.00	90.00	89.83	9,360.00	-436.28	12,960.83	12,959.47	0.00	0.00	0.00	
22,500.00	90.00	89.83	9,360.00	-435.98	13,060.83	13,059.47	0.00	0.00	0.00	
22,600.00	90.00	89.83	9,360.00	-435.69	13,160.83	13,159.47	0.00	0.00	0.00	
22,700.00	90.00	89.83	9,360.00	-435.40	13,260.82	13,259.47	0.00	0.00	0.00	
22,771.47	90.00	89.83	9,360.00	-435.19	13,332.29	13,330.94	0.00	0.00	0.00	
TD at 22771.47										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
PBHL - v1 - (01) Bond 3:	0.00	0.00	9,360.00	-435.19	13,332.29	620,764.43	722,083.76	32.70514647	-103.74572115	
- plan hits target center										
- Point										
FTP/PP - v1 - (01) Bond	0.00	0.00	9,360.00	-473.37	281.80	620,726.25	709,033.27	32.70523313	-103.78814765	
- plan hits target center										
- Point										
LTP - v1 - (01) Bond 32-	0.00	0.00	9,360.00	-435.37	13,282.29	620,764.25	722,033.76	32.70514673	-103.74588370	
- plan misses target center by 21.47usft at 22700.00usft MD (9360.00 TVD, -435.40 N, 13260.82 E)										
- Point										



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 32-34 FED COM 205H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3725.18usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3725.18usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 32-34 FED COM 205H	Survey Calculation Method:	Minimum Curvature
Wellbore:	205H		
Design:	Plan 2		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,500.00	2,500.00	0.00	0.00	Start Build 2.00
2,857.47	2,856.54	-18.99	-11.64	Start 4118.95 hold at 2857.47 MD
6,976.41	6,943.46	-456.06	-279.52	Start Drop -2.00
7,333.88	7,300.00	-475.05	-291.16	Start 1487.04 hold at 7333.88 MD
8,820.92	8,787.04	-475.05	-291.16	Start Build 10.00
9,720.92	9,360.00	-473.37	281.80	Start 13050.55 hold at 9720.92 MD
22,771.47	9,360.00	-435.19	13,332.29	TD at 22771.47

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 536457

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 536457
	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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CONDITIONS

Action 536457

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 536457
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mikahthomas	Cement is required to circulate on both surface and intermediate1 strings of casing.	12/19/2025
mikahthomas	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	12/19/2025
jeffrey.harrison	All conducted logs must be submitted to the OCD.	12/26/2025
jeffrey.harrison	Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	12/26/2025
jeffrey.harrison	Prior to production of this well a change to the well name/number is required to comply with the OCD well naming convention.	12/26/2025
jeffrey.harrison	NSP required if not included in an existing order or not an infill to an appropriate defining well in the same pool and spacing unit.	12/26/2025
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.	12/26/2025
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.	12/26/2025
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	12/26/2025
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	12/26/2025