

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. 30-025-55826
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)



Approval Date: 09/23/2025

INSTRUCTIONS

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

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

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

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

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

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

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

NOTICES

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

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

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

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

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

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

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

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

Additional Operator Remarks

Location of Well

0. SHL: SESE / 1269 FSL / 1169 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.700243 / LONG: -103.783688 (TVD: 0 feet, MD: 0 feet)
PPP: SWSE / 335 FSL / 2630 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.6976377 / LONG: -103.7713358 (TVD: 8450 feet, MD: 11428 feet)
PPP: SWSW / 330 FSL / 100 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.697653 / LONG: -103.779561 (TVD: 8450 feet, MD: 8901 feet)
PPP: NWSW / 330 FSL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.6976212 / LONG: -103.762722 (TVD: 8450 feet, MD: 14078 feet)
PPP: SESE / 330 FSL / 1323 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.6975954 / LONG: -103.7498502 (TVD: 8450 feet, MD: 18037 feet)
PPP: SWSE / 330 FSL / 2637 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.6976042 / LONG: -103.7541514 (TVD: 8450 feet, MD: 16714 feet)
BHL: SESE / 330 FSL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.697587 / LONG: -103.745582 (TVD: 8450 feet, MD: 19351 feet)

BLM Point of Contact

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

CONFIDENTIAL

**PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL**

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

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

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

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

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

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

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

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

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

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

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

C. PRESSURE CONTROL

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

Option 1:

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

Option 2:

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

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

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

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

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

GENERAL REQUIREMENTS

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

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

☒ Lea County

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

Long Vo (LVO) 4/11/2025



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

Operator Certification Data Report

11/30/2025

Operator

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

NAME: MIKAH THOMAS

Signed on: 04/02/2025

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND

State: TX

Zip: 79701

Phone: (432)661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



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

Application Data

11/30/2025

APD ID: 10400103914

Submission Date: 03/17/2025

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 106H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400103914

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: NMNM26690

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 33-34 FED COM

Well Number: 106H

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 33-34 FED COM**Well Number:** 106H**Is the proposed well in an area containing other mineral resources?** NATURAL GAS,OIL**Is the proposed well in a Helium production area?** N **Use Existing Well Pad?** N **New surface disturbance?****Type of Well Pad:** MULTIPLE WELL**Multiple Well Pad Name:** BOND 32-34 FED COM SOUTH**Number:** 2**Well Class:** HORIZONTAL**Number of Legs:** 1**Well Work Type:** Drill**Well Type:** OIL WELL**Describe Well Type:****Well sub-Type:** INFILL**Describe sub-type:****Distance to town:** 10 Miles**Distance to nearest well:** 863 FT**Distance to lease line:** 1169 FT**Reservoir well spacing assigned acres Measurement:** 640 Acres**Well plat:** 24_041778_BOND_FED_COM_106H_C102_20250402082423.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	1269	FSL	1169	FEL	18S	32E	32	Aliquot SESE	32.700243	-103.783688	LEA	NEW MEXICO	NEW MEXICO	S	STATE	3683			N
KOP Leg #1	1269	FSL	1169	FEL	18S	32E	32	Aliquot SESE	32.700243	-103.783688	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-4067	7810	7750	N
PPP Leg #1-1	330	FSL	100	FWL	18S	32E	33	Aliquot SWSW	32.697653	-103.779561	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 26690	-4767	8901	8450	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 33-34 FED COM**Well Number:** 106H

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 #1-2	335	FSL	2630	FWL	18S	32E	33	Aliquot SWSE	32.6976377	- 103.7713358	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 24161	- 4767	11428	8450	Y
PPP Leg #1-3	330	FSL	0	FWL	18S	32E	34	Aliquot NWSW	32.6976212	- 103.762722	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 67988	- 4767	14078	8450	Y
PPP Leg #1-4	330	FSL	2637	FWL	18S	32E	34	Aliquot SWSE	32.6976042	- 103.7541514	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 0556094	- 4767	16714	8450	Y
PPP Leg #1-5	330	FSL	1323	FEL	18S	32E	34	Aliquot SESE	32.6975954	- 103.7498502	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 67988	- 4767	18037	8450	Y
EXIT Leg #1	330	FSL	100	FEL	18S	32E	34	Aliquot SESE	32.697587	- 103.745874	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 67988	- 4767	19261	8450	Y
BHL Leg #1	330	FSL	10	FEL	18S	32E	34	Aliquot SESE	32.697587	- 103.745582	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 67988	- 4767	19351	8450	Y

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 33-34 FED COM	Well Number 106H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,682.52'
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
P	32	18S	32E		1,269' FSL	1,169' FEL	32.700243°	-103.783688°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	34	18S	32E		330' FSL	10' FEL	32.697587°	-103.745582°	LEA

Dedicated Acres 640	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			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
P	32	18S	32E		1,269' FSL	1,169' FEL	32.700243°	-103.783688°	LEA

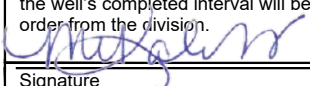
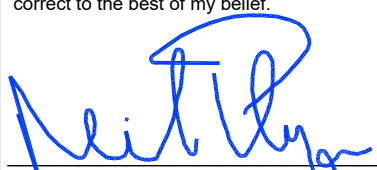
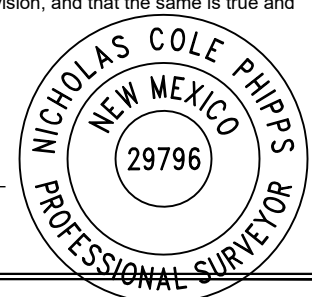
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	33	18S	32E		330' FSL	100' FWL	32.697653°	-103.779561°	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	34	18S	32E		330' FSL	100' FEL	32.697587°	-103.745874°	LEA

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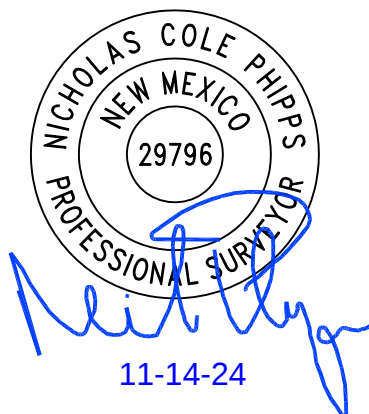
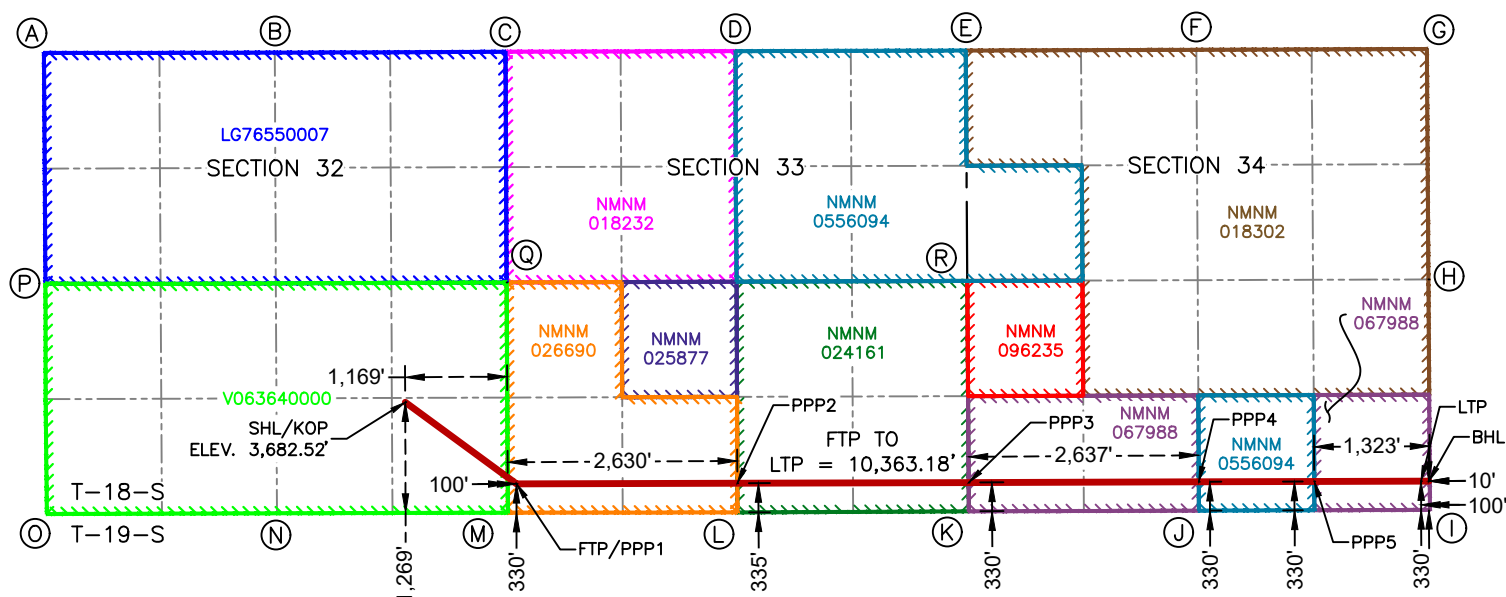
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the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

ACREAGE DEDICATION PLATS

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

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.



**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,269' FSL & 1,169' FEL
ELEV. = 3,682.52'
NAD 83 X = 710,414.56'
NAD 83 Y = 618,917.73'
NAD 83 LAT = 32.700243°
NAD 83 LONG = -103.783688°

**FIRST TAKE POINT &
PENETRATION POINT 1**
330' FSL & 100' FWL
NAD 83 X = 711,688.82'
NAD 83 Y = 617,982.27'
NAD 83 LAT = 32.697653°
NAD 83 LONG = -103.779561°

PENETRATION POINT 2
335' FSL & 2,630' FWL
NAD 83 X = 714,219.22'
NAD 83 Y = 617,989.67'
NAD 83 LAT = 32.697637°
NAD 83 LONG = -103.771336°

PENETRATION POINT 3
330' FSL & 0' FWL
NAD 83 X = 716,869.04'
NAD 83 Y = 617,997.41'
NAD 83 LAT = 32.697619°
NAD 83 LONG = -103.762722°

PENETRATION POINT 4
330' FSL & 2,637' FWL
NAD 83 X = 719,505.62'
NAD 83 Y = 618,005.84'
NAD 83 LAT = 32.697603°
NAD 83 LONG = -103.754151°

PENETRATION POINT 5
330' FSL & 1,323' FEL
NAD 83 X = 720,828.78'
NAD 83 Y = 618,010.07'
NAD 83 LAT = 32.697595°
NAD 83 LONG = -103.749850°

LAST TAKE POINT
330' FSL & 100' FEL
NAD 83 X = 722,051.95'
NAD 83 Y = 618,013.98'
NAD 83 LAT = 32.697587°
NAD 83 LONG = -103.745874°

BOTTOM HOLE LOCATION
330' FSL & 10' FEL
NAD 83 X = 722,141.95'
NAD 83 Y = 618,014.27'
NAD 83 LAT = 32.697587°
NAD 83 LONG = -103.745582°

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



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

Drilling Plan Data Report

11/30/2025

APD ID: 10400103914

Submission Date: 03/17/2025

Highlighted data
reflects the most
recent changes

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 106H

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
16453046	QUATERNARY	3683	0	0	ALLUVIUM	NONE	N
16453048	RUSTLER	2533	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16453049	TOP OF SALT	2253	1430	1430	ANHYDRITE, SALT	NONE	N
16453050	BASE OF SALT	1508	2175	2185	ANHYDRITE, SALT	NONE	N
16453065	YATES	811	2872	2872	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16453066	SEVEN RIVERS	488	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16453067	QUEEN	-92	3775	3805	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16453069	SAN ANDRES	-582	4265	4295	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16453054	CHERRY CANYON	-932	4615	4655	LIMESTONE, SANDSTONE, SHALE	NONE	N
16453055	BRUSHY CANYON	-1362	5045	5085	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453056	BONE SPRING LIME	-3286	6969	6999	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453057	AVALON SAND	-3507	7190	7230	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453070	BONE SPRING 1ST	-4637	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16453071	BONE SPRING 2ND	-4942	8625	8685	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453072	BONE SPRING 2ND	-5207	8890	8950	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453073	BONE SPRING 3RD	-5747	9430	9500	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453074	BONE SPRING 3RD	-6152	9835	9915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 106H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16453075	WOLFCAMP	-6502	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	3683	2373	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	-287	4000	J-55	40	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6
3	INTERMEDIATE	12.25	9.625	NEW	API	N	4000	4535	3970	4505	-284	-822	535	HCL-80	40	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 33-34 FED COM**Well Number:** 106H

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	19351	0	8450	3643	-4767	19351	P- 110	17	OTHER - CDC HTQ	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6

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

13.375_54.5000_0.3800_J55_data_sheet_20250303151222.pdf

Casing_Design_Assmpt_3_string_casing_20250303151226.pdf

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

Data_Sheet_9.625_Inch_40.00__J55_BTC_SEAH_20250303151238.pdf

Casing_Design_Assmpt_3_string_casing_20250303151242.pdf

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 106H

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_20250303151357.pdf

Casing_Design_Assmpt_3_string_casing_20250303151400.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 33-34 FED COM**Well Number:** 106H

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	19351	2158	1.68	13	3625.9	20	H	Fluid Loss, Retarder, LCM

Section 5 - Circulating Medium

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

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

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1310	SPUD MUD	8.3	8.3							
1310	4535	SALT SATURATED	10.2	10.2							
4535	19351	OIL-BASED MUD	9.7	9.7							

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 33-34 FED COM**Well Number:** 106H

Section 6 - Test, Logging, Coring

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

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

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

GAMMA RAY LOG,

Coring operation description for the well:

No core or drill stem test is planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5493**Anticipated Surface Pressure:** 3633**Anticipated Bottom Hole Temperature(F):** 215**Anticipated abnormal pressures, temperatures, or potential geologic hazards?** NO**Describe:****Contingency Plans geohazards description:****Contingency Plans geohazards****Hydrogen Sulfide drilling operations plan required?** YES**Hydrogen sulfide drilling operations**

PBEX_Operations_LLC_H2S_Contengency_Plan_20241229103612.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

BOND_33_34_FED_COM__106H__Plan_1__20250303151543.pdf

BOND_33_34_FED_COM__106H__Plan_1_AC_Report_20250303151546.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_20250303095638.pdf

PBEX_Operations__LLC_NGMP_Best_Practices_20250212141054.pdf

Wellhead_Schematic_9.625_10M_3T_20250212135648.pdf

Bond_33_34_FED_COM__106H_Drill_Plan_v4_20250303151603.pdf

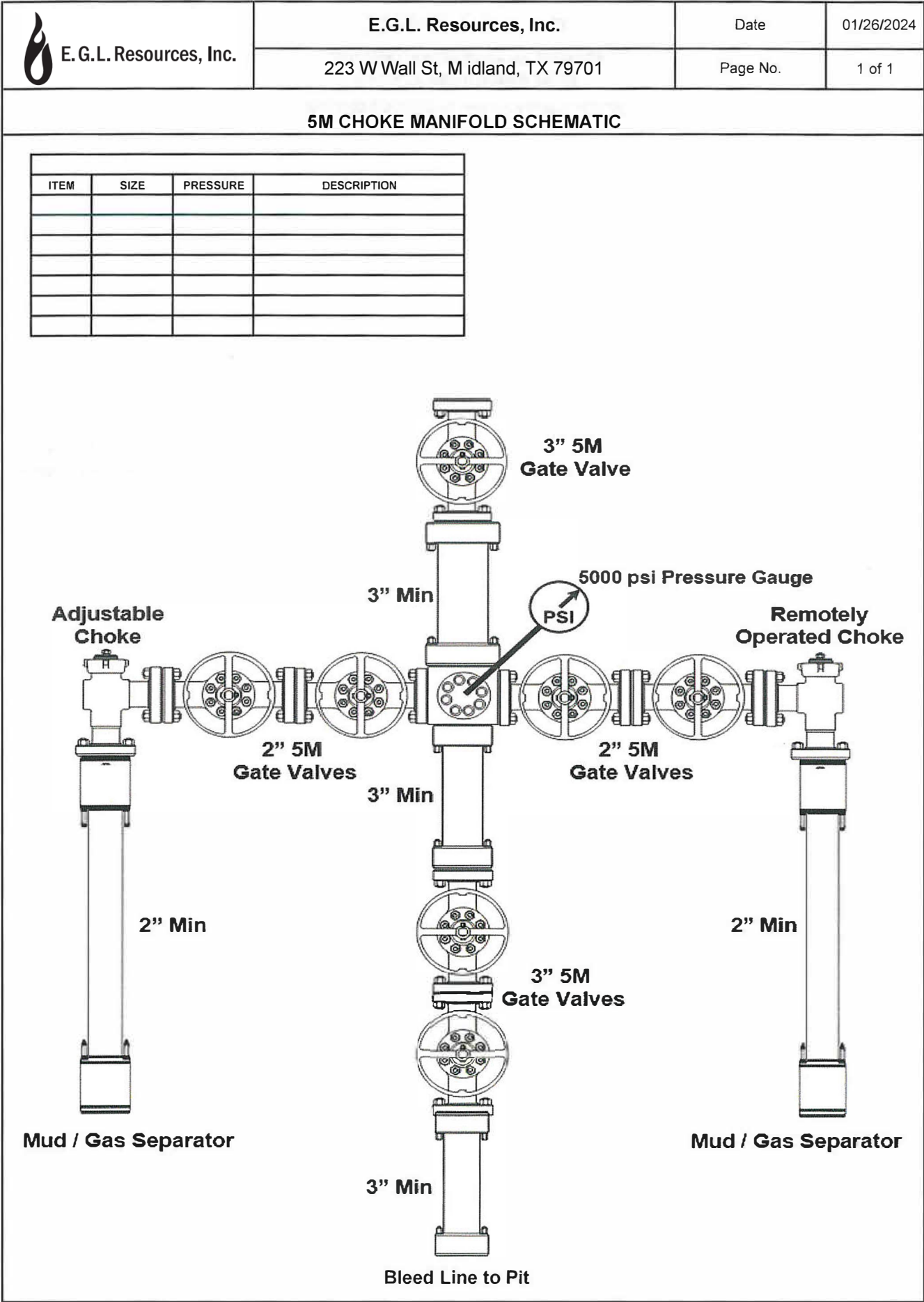
Other Variance request(s)?: N**Other Variance attachment:**

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 106H

CONFIDENTIAL





E. G. L. Resources, Inc.

E.G.L. Resources, Inc.

Date

1/26/2024

223 W Wall St, Midland, TX 79701

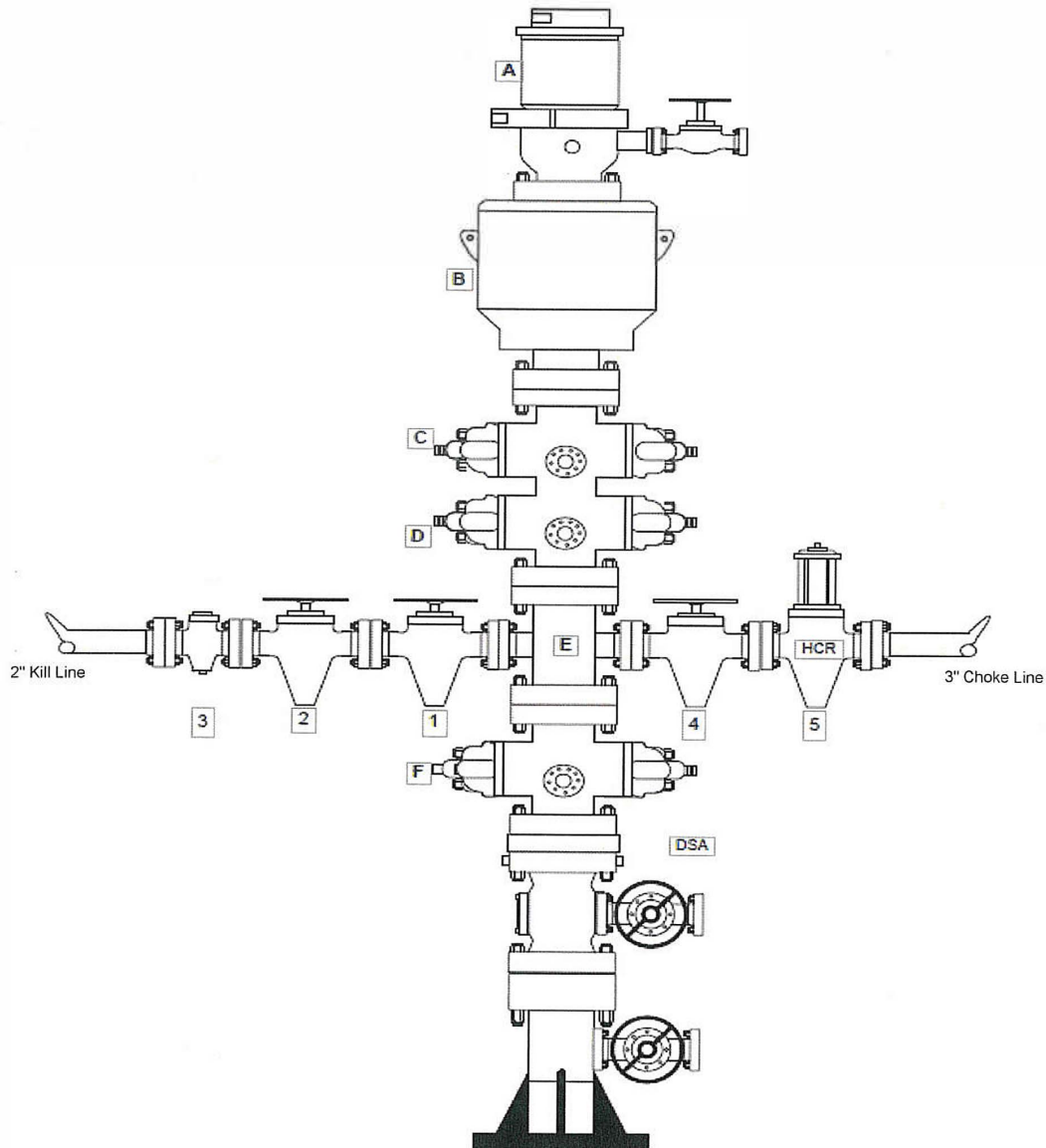
Page No.

1 of 1

5M BLOWOUT PREVENTER SCHEMATIC

BLOWOUT PREVENTER COMPONENTS

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



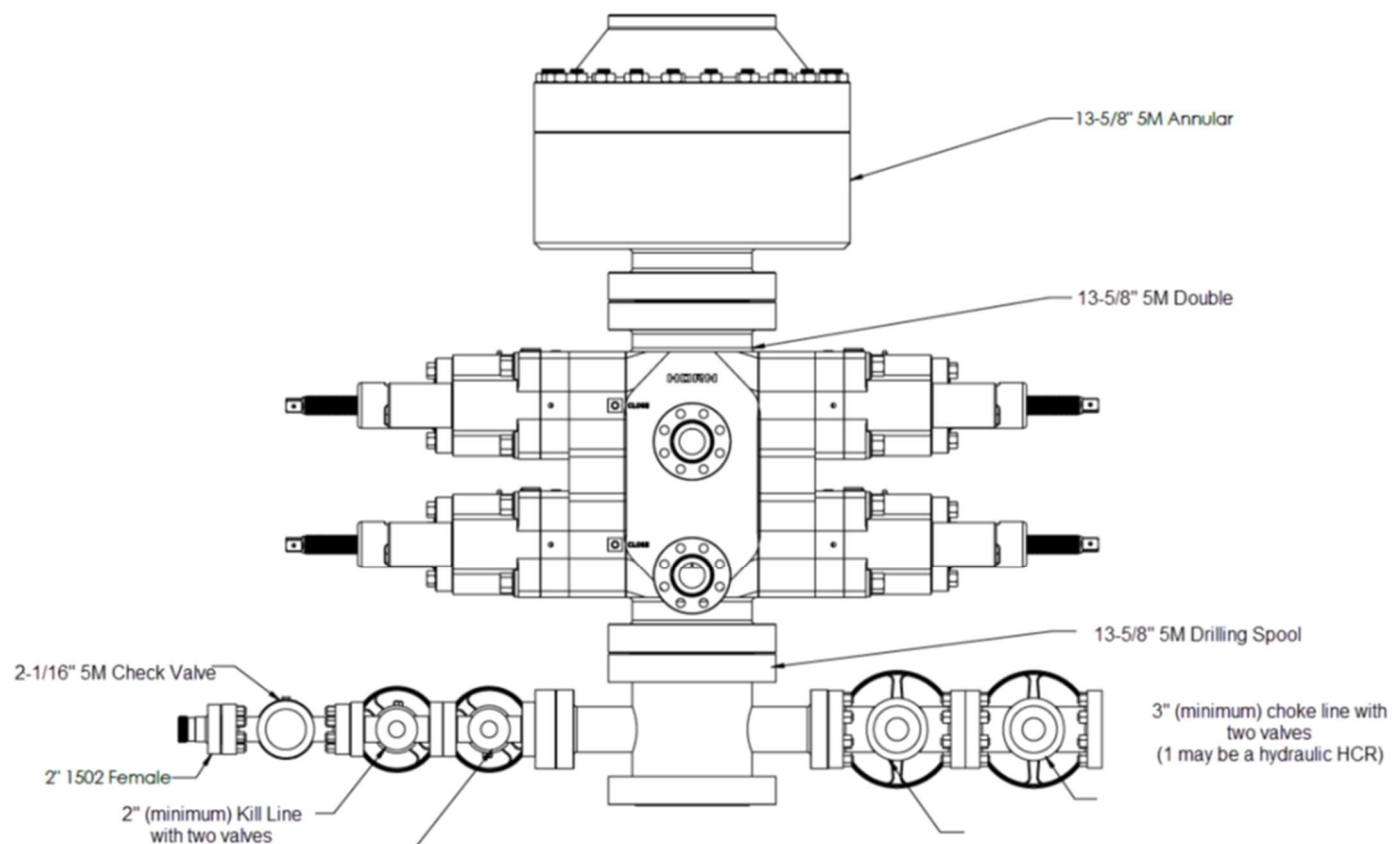
KILL LINE

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

CHOKE LINE

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

BOP Diagram 502H



3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

Intermediate Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

Production Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

API 5CT Casing Performance Data Sheet

9 5/8" 40.00 lb/ft L80 HC

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

Designed for enhanced performance through increased collapse resistance.

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

Sizes and Weights

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

Pipe Body Mechanical Properties

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

Minimum Performance

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

Inspection and Testing

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

Color code

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

 U. S. Steel Tubular Products
13.375" 54.50lb/ft (0.380" Wall) J55

11/1/2023 1:00:21 PM

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

UNCONTROLLED

Notes

Legal Notice

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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.

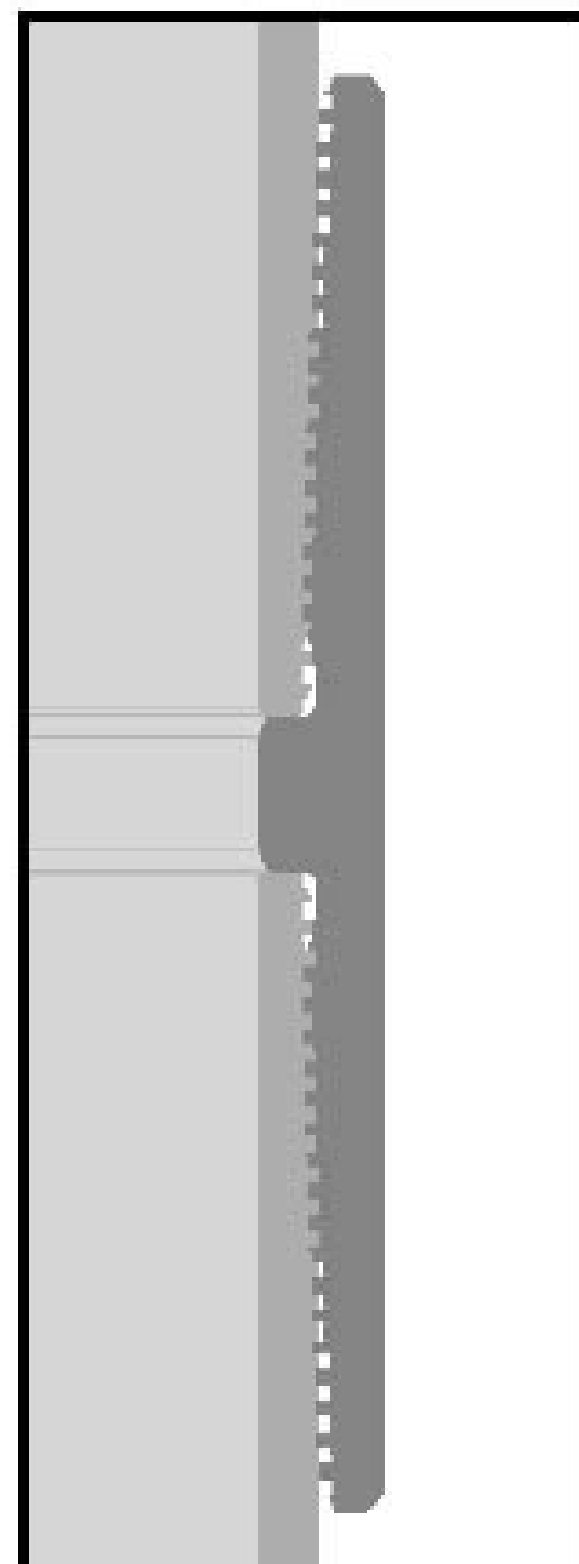
Technical Specifications

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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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.

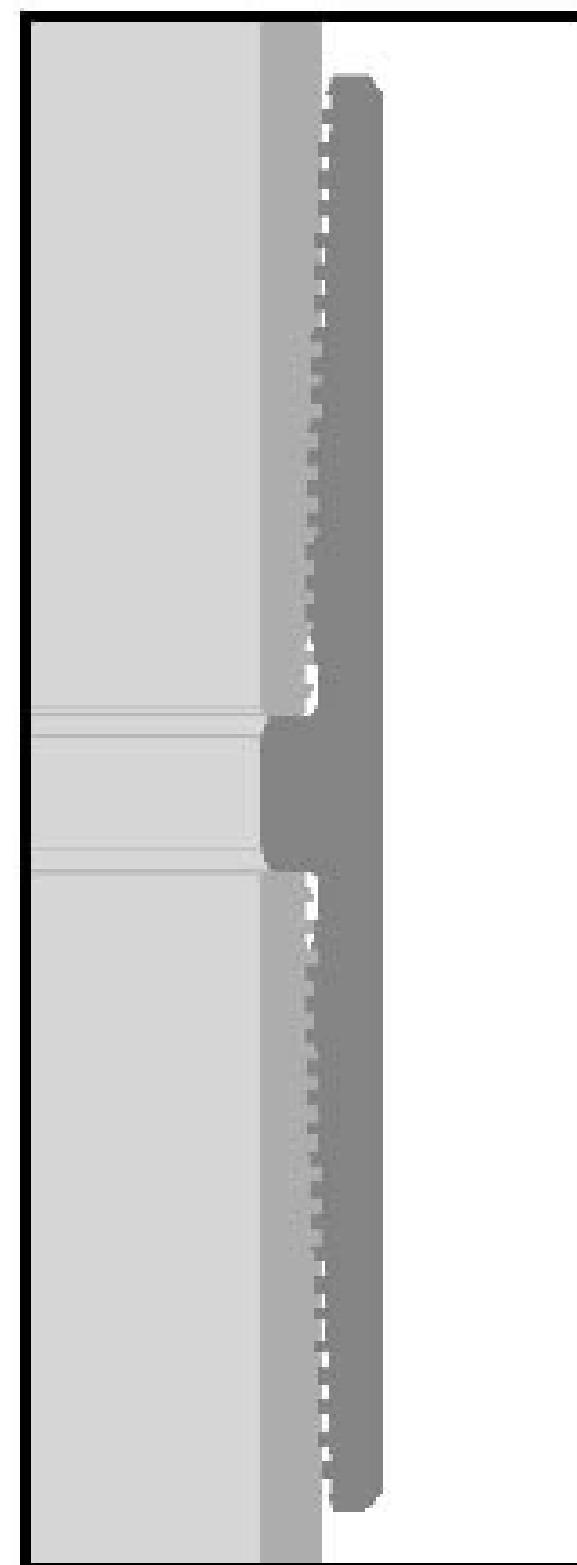
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2/6/2015



DWC Connection Data Notes:

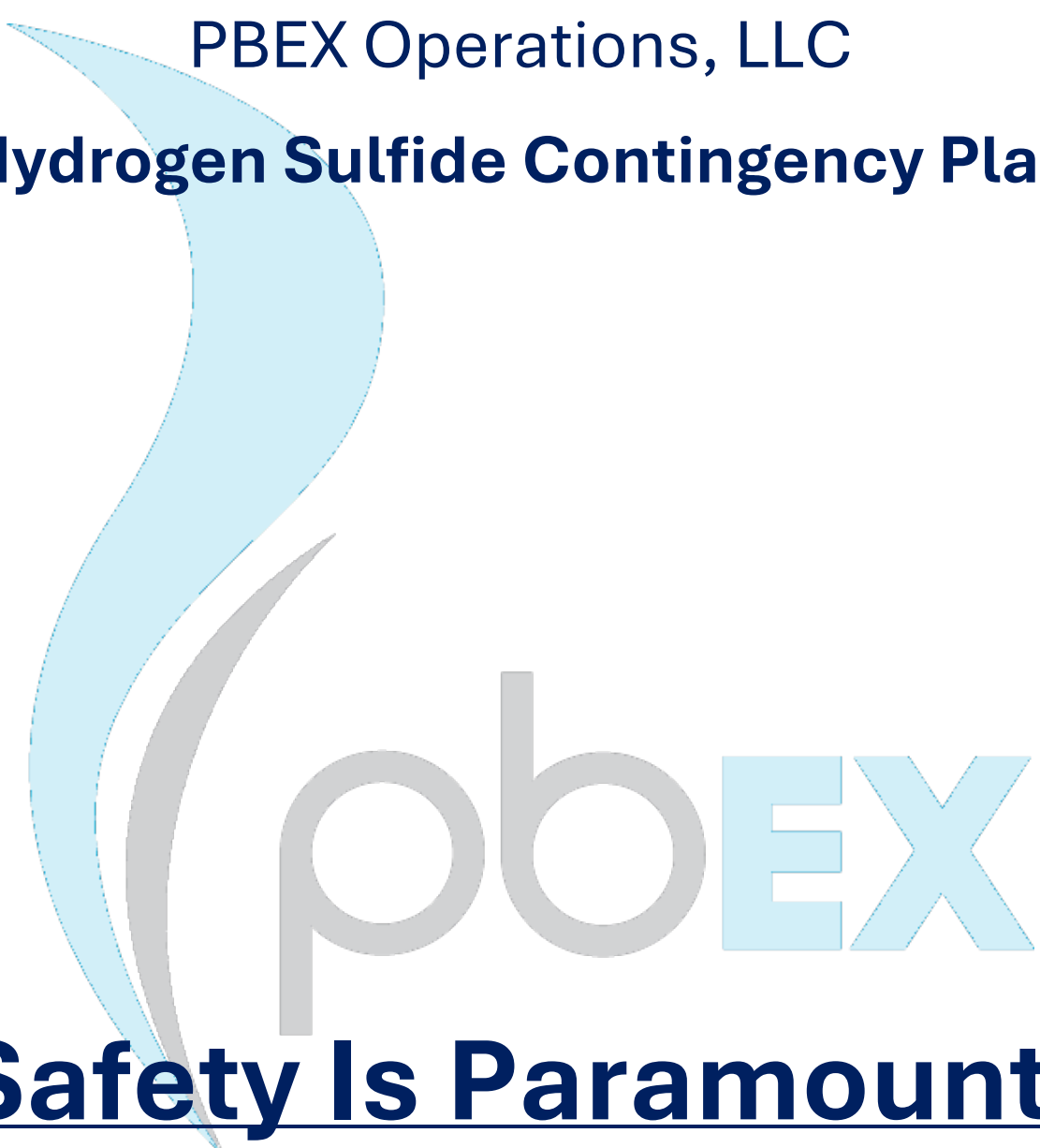
1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection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



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2/6/2015



PBEX Operations, LLC

Hydrogen Sulfide Contingency Plan

Safety Is Paramount!

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

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

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1. INTRODUCTION

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

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

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

2. PURPOSE

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

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

In the event there is an accidental H2S release:

- Notify and protect the general public.

- Notify the state and local government agencies.

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

This is a mandatory notification.

A. OPERATING PROCEDURES

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

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

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

GENERAL:

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

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



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

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

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

C. DRILLING BELOW CONTINGENCY PLAN DEPTH

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

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

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

D. PROCEDURES PROGRAM

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

E. GENERAL

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



3. EMERGENCY PHONE NUMBERS

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

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

Emergency Call Guidance

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

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



4. CONDITIONS AND EMERGENCY PROCEDURES

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

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

A. Definition of Operational “Conditions”

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

B. H2S Emergency Procedures- On-Site Personnel

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

Do Not Panic!

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

1. Responsibilities of Well-Site Personnel

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

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

a. Well-Site Representatives

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

b. On-Site Supervisor

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

c. H2S Safety Company Representative

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



5. SAFETY EQUIPMENT

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

6. TOXICITY OF VARIOUS GASES

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

1 Air = 1.0

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

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

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

7. PROPERTIES OF GASES

1. CARBON DIOXIDE

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

2. HYDROGEN SULFIDE

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



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

3. SULPHUR DIOXIDE

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

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

8. EVACUATION OF THE GENERAL PUBLIC

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

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



PBEX

Lea, County NM (NAD 83)

Sec 33-18S-32E

BOND 33-34 FED COM #106H

Wellbore #1

Plan: Plan 1

Standard Planning Report

04 February, 2025





Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #106H	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 33-34 FED COM #106H								
Well Position	+N/-S	0.00	usft	Northing:	618,917.73	usft	Latitude:	32.70024268	
	+E/-W	0.00	usft	Easting:	710,414.56	usft	Longitude:	-103.78368767	
Position Uncertainty		0.50	usft	Wellhead Elevation:		usft	Ground Level:	3,682.52	usft
Grid Convergence:		0.30	°						

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM CURRENT	1/28/2025	6.58	60.40	47,434.80000000

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

Plan Survey Tool Program	Date	2/4/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	19,350.50	Plan 1 (Wellbore #1)	MWD+IFR1+MS	
				OWSG MWD + IFR1 + Multi-St	



Planning Report



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Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
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Well:	BOND 33-34 FED COM #106H	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	
2,019.99	10.40	138.91	2,017.14	-35.47	30.93	2.00	2.00	0.00	138.91	
7,271.99	10.40	138.91	7,182.86	-749.99	654.07	0.00	0.00	0.00	0.00	
7,791.98	0.00	0.00	7,700.00	-785.46	685.00	2.00	-2.00	0.00	180.00	
7,969.02	0.00	0.00	7,877.04	-785.46	685.00	0.00	0.00	0.00	0.00	
8,869.02	90.00	100.30	8,450.00	-887.91	1,248.72	10.00	10.00	0.00	100.30	
9,392.82	90.00	89.82	8,450.00	-934.06	1,769.76	2.00	0.00	-2.00	-90.00	
19,350.50	90.00	89.82	8,450.00	-903.46	11,727.39	0.00	0.00	0.00	0.00	BOND 33-34 106H Bl



Planning Report



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Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #106H	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	138.91	1,599.98	-1.32	1.15	1.15	2.00	2.00	0.00
1,700.00	4.00	138.91	1,699.84	-5.26	4.59	4.59	2.00	2.00	0.00
1,800.00	6.00	138.91	1,799.45	-11.83	10.31	10.31	2.00	2.00	0.00
1,900.00	8.00	138.91	1,898.70	-21.01	18.32	18.32	2.00	2.00	0.00
2,000.00	10.00	138.91	1,997.47	-32.80	28.61	28.61	2.00	2.00	0.00
2,019.99	10.40	138.91	2,017.14	-35.47	30.93	30.93	2.00	2.00	0.00
Start 5252.00 hold at 2019.99 MD									
2,100.00	10.40	138.91	2,095.84	-46.35	40.43	40.43	0.00	0.00	0.00
2,200.00	10.40	138.91	2,194.19	-59.96	52.29	52.29	0.00	0.00	0.00
2,300.00	10.40	138.91	2,292.55	-73.56	64.15	64.15	0.00	0.00	0.00
2,400.00	10.40	138.91	2,390.91	-87.17	76.02	76.02	0.00	0.00	0.00
2,500.00	10.40	138.91	2,489.26	-100.77	87.88	87.88	0.00	0.00	0.00
2,600.00	10.40	138.91	2,587.62	-114.38	99.75	99.75	0.00	0.00	0.00
2,700.00	10.40	138.91	2,685.98	-127.98	111.61	111.61	0.00	0.00	0.00
2,800.00	10.40	138.91	2,784.34	-141.59	123.48	123.48	0.00	0.00	0.00
2,900.00	10.40	138.91	2,882.69	-155.19	135.34	135.34	0.00	0.00	0.00
3,000.00	10.40	138.91	2,981.05	-168.80	147.21	147.21	0.00	0.00	0.00
3,100.00	10.40	138.91	3,079.41	-182.40	159.07	159.07	0.00	0.00	0.00
3,200.00	10.40	138.91	3,177.76	-196.01	170.94	170.94	0.00	0.00	0.00
3,300.00	10.40	138.91	3,276.12	-209.61	182.80	182.80	0.00	0.00	0.00
3,400.00	10.40	138.91	3,374.48	-223.22	194.67	194.67	0.00	0.00	0.00
3,500.00	10.40	138.91	3,472.84	-236.82	206.53	206.53	0.00	0.00	0.00
3,600.00	10.40	138.91	3,571.19	-250.43	218.40	218.40	0.00	0.00	0.00
3,700.00	10.40	138.91	3,669.55	-264.03	230.26	230.26	0.00	0.00	0.00
3,800.00	10.40	138.91	3,767.91	-277.64	242.13	242.13	0.00	0.00	0.00
3,900.00	10.40	138.91	3,866.26	-291.24	253.99	253.99	0.00	0.00	0.00
4,000.00	10.40	138.91	3,964.62	-304.84	265.86	265.86	0.00	0.00	0.00
4,100.00	10.40	138.91	4,062.98	-318.45	277.72	277.72	0.00	0.00	0.00
4,200.00	10.40	138.91	4,161.34	-332.05	289.58	289.58	0.00	0.00	0.00
4,300.00	10.40	138.91	4,259.69	-345.66	301.45	301.45	0.00	0.00	0.00
4,400.00	10.40	138.91	4,358.05	-359.26	313.31	313.31	0.00	0.00	0.00
4,500.00	10.40	138.91	4,456.41	-372.87	325.18	325.18	0.00	0.00	0.00
4,600.00	10.40	138.91	4,554.77	-386.47	337.04	337.04	0.00	0.00	0.00
4,700.00	10.40	138.91	4,653.12	-400.08	348.91	348.91	0.00	0.00	0.00
4,800.00	10.40	138.91	4,751.48	-413.68	360.77	360.77	0.00	0.00	0.00
4,900.00	10.40	138.91	4,849.84	-427.29	372.64	372.64	0.00	0.00	0.00
5,000.00	10.40	138.91	4,948.19	-440.89	384.50	384.50	0.00	0.00	0.00



Planning Report



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Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #106H	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	10.40	138.91	5,046.55	-454.50	396.37	396.37	0.00	0.00	0.00
5,200.00	10.40	138.91	5,144.91	-468.10	408.23	408.23	0.00	0.00	0.00
5,300.00	10.40	138.91	5,243.27	-481.71	420.10	420.10	0.00	0.00	0.00
5,400.00	10.40	138.91	5,341.62	-495.31	431.96	431.96	0.00	0.00	0.00
5,500.00	10.40	138.91	5,439.98	-508.92	443.83	443.83	0.00	0.00	0.00
5,600.00	10.40	138.91	5,538.34	-522.52	455.69	455.69	0.00	0.00	0.00
5,700.00	10.40	138.91	5,636.69	-536.13	467.56	467.56	0.00	0.00	0.00
5,800.00	10.40	138.91	5,735.05	-549.73	479.42	479.42	0.00	0.00	0.00
5,900.00	10.40	138.91	5,833.41	-563.33	491.28	491.28	0.00	0.00	0.00
6,000.00	10.40	138.91	5,931.77	-576.94	503.15	503.15	0.00	0.00	0.00
6,100.00	10.40	138.91	6,030.12	-590.54	515.01	515.01	0.00	0.00	0.00
6,200.00	10.40	138.91	6,128.48	-604.15	526.88	526.88	0.00	0.00	0.00
6,300.00	10.40	138.91	6,226.84	-617.75	538.74	538.74	0.00	0.00	0.00
6,400.00	10.40	138.91	6,325.19	-631.36	550.61	550.61	0.00	0.00	0.00
6,500.00	10.40	138.91	6,423.55	-644.96	562.47	562.47	0.00	0.00	0.00
6,600.00	10.40	138.91	6,521.91	-658.57	574.34	574.34	0.00	0.00	0.00
6,700.00	10.40	138.91	6,620.27	-672.17	586.20	586.20	0.00	0.00	0.00
6,800.00	10.40	138.91	6,718.62	-685.78	598.07	598.07	0.00	0.00	0.00
6,900.00	10.40	138.91	6,816.98	-699.38	609.93	609.93	0.00	0.00	0.00
7,000.00	10.40	138.91	6,915.34	-712.99	621.80	621.80	0.00	0.00	0.00
7,100.00	10.40	138.91	7,013.70	-726.59	633.66	633.66	0.00	0.00	0.00
7,200.00	10.40	138.91	7,112.05	-740.20	645.53	645.53	0.00	0.00	0.00
7,271.99	10.40	138.91	7,182.86	-749.99	654.07	654.07	0.00	0.00	0.00
Start Drop -2.00									
7,300.00	9.84	138.91	7,210.43	-753.70	657.30	657.30	2.00	-2.00	0.00
7,400.00	7.84	138.91	7,309.24	-765.28	667.40	667.40	2.00	-2.00	0.00
7,500.00	5.84	138.91	7,408.52	-774.26	675.23	675.23	2.00	-2.00	0.00
7,600.00	3.84	138.91	7,508.16	-780.61	680.77	680.77	2.00	-2.00	0.00
7,700.00	1.84	138.91	7,608.04	-784.35	684.03	684.03	2.00	-2.00	0.00
7,791.98	0.00	0.00	7,700.00	-785.46	685.00	685.00	2.00	-2.00	0.00
Start 177.04 hold at 7791.98 MD									
7,800.00	0.00	0.00	7,708.02	-785.46	685.00	685.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,808.02	-785.46	685.00	685.00	0.00	0.00	0.00
7,969.02	0.00	0.00	7,877.04	-785.46	685.00	685.00	0.00	0.00	0.00
Start Build 10.00									
8,000.00	3.10	100.30	7,908.00	-785.61	685.82	685.82	10.00	10.00	0.00
8,050.00	8.10	100.30	7,957.75	-786.48	690.62	690.62	10.00	10.00	0.00
8,100.00	13.10	100.30	8,006.88	-788.13	699.67	699.67	10.00	10.00	0.00
8,150.00	18.10	100.30	8,055.02	-790.53	712.89	712.89	10.00	10.00	0.00
8,200.00	23.10	100.30	8,101.81	-793.67	730.19	730.19	10.00	10.00	0.00
8,250.00	28.10	100.30	8,146.89	-797.53	751.44	751.44	10.00	10.00	0.00
8,300.00	33.10	100.30	8,189.92	-802.08	776.47	776.47	10.00	10.00	0.00
8,350.00	38.10	100.30	8,230.56	-807.29	805.10	805.10	10.00	10.00	0.00
8,400.00	43.10	100.30	8,268.51	-813.10	837.10	837.10	10.00	10.00	0.00
8,450.00	48.10	100.30	8,303.49	-819.49	872.24	872.24	10.00	10.00	0.00
8,500.00	53.10	100.30	8,335.21	-826.39	910.24	910.24	10.00	10.00	0.00
8,550.00	58.10	100.30	8,363.45	-833.77	950.81	950.81	10.00	10.00	0.00
8,600.00	63.10	100.30	8,387.99	-841.55	993.66	993.66	10.00	10.00	0.00
8,650.00	68.10	100.30	8,408.64	-849.69	1,038.44	1,038.44	10.00	10.00	0.00
8,700.00	73.10	100.30	8,425.25	-858.12	1,084.83	1,084.83	10.00	10.00	0.00
8,750.00	78.10	100.30	8,437.68	-866.78	1,132.46	1,132.46	10.00	10.00	0.00
8,800.00	83.10	100.30	8,445.85	-875.59	1,180.98	1,180.98	10.00	10.00	0.00
8,850.00	88.10	100.30	8,449.68	-884.51	1,230.01	1,230.01	10.00	10.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,869.02	90.00	100.30	8,450.00	-887.91	1,248.72	1,248.72	10.00	10.00	0.00	
Start DLS 2.00 TFO -90.00										
8,900.00	90.00	99.68	8,450.00	-893.28	1,279.23	1,279.23	2.00	0.00	-2.00	
9,000.00	90.00	97.68	8,450.00	-908.37	1,378.08	1,378.08	2.00	0.00	-2.00	
9,100.00	90.00	95.68	8,450.00	-920.00	1,477.40	1,477.40	2.00	0.00	-2.00	
9,200.00	90.00	93.68	8,450.00	-928.16	1,577.06	1,577.06	2.00	0.00	-2.00	
9,300.00	90.00	91.68	8,450.00	-932.84	1,676.95	1,676.95	2.00	0.00	-2.00	
9,392.82	90.00	89.82	8,450.00	-934.06	1,769.76	1,769.76	2.00	0.00	-2.00	
Start 9957.68 hold at 9392.82 MD										
9,400.00	90.00	89.82	8,450.00	-934.04	1,776.93	1,776.93	0.00	0.00	0.00	
9,500.00	90.00	89.82	8,450.00	-933.73	1,876.93	1,876.93	0.00	0.00	0.00	
9,600.00	90.00	89.82	8,450.00	-933.42	1,976.93	1,976.93	0.00	0.00	0.00	
9,700.00	90.00	89.82	8,450.00	-933.11	2,076.93	2,076.93	0.00	0.00	0.00	
9,800.00	90.00	89.82	8,450.00	-932.81	2,176.93	2,176.93	0.00	0.00	0.00	
9,900.00	90.00	89.82	8,450.00	-932.50	2,276.93	2,276.93	0.00	0.00	0.00	
10,000.00	90.00	89.82	8,450.00	-932.19	2,376.93	2,376.93	0.00	0.00	0.00	
10,100.00	90.00	89.82	8,450.00	-931.89	2,476.93	2,476.93	0.00	0.00	0.00	
10,200.00	90.00	89.82	8,450.00	-931.58	2,576.93	2,576.93	0.00	0.00	0.00	
10,300.00	90.00	89.82	8,450.00	-931.27	2,676.93	2,676.93	0.00	0.00	0.00	
10,400.00	90.00	89.82	8,450.00	-930.96	2,776.93	2,776.93	0.00	0.00	0.00	
10,500.00	90.00	89.82	8,450.00	-930.66	2,876.93	2,876.93	0.00	0.00	0.00	
10,600.00	90.00	89.82	8,450.00	-930.35	2,976.93	2,976.93	0.00	0.00	0.00	
10,700.00	90.00	89.82	8,450.00	-930.04	3,076.93	3,076.93	0.00	0.00	0.00	
10,800.00	90.00	89.82	8,450.00	-929.73	3,176.93	3,176.93	0.00	0.00	0.00	
10,900.00	90.00	89.82	8,450.00	-929.43	3,276.93	3,276.93	0.00	0.00	0.00	
11,000.00	90.00	89.82	8,450.00	-929.12	3,376.93	3,376.93	0.00	0.00	0.00	
11,100.00	90.00	89.82	8,450.00	-928.81	3,476.93	3,476.93	0.00	0.00	0.00	
11,200.00	90.00	89.82	8,450.00	-928.51	3,576.93	3,576.93	0.00	0.00	0.00	
11,300.00	90.00	89.82	8,450.00	-928.20	3,676.93	3,676.93	0.00	0.00	0.00	
11,400.00	90.00	89.82	8,450.00	-927.89	3,776.92	3,776.92	0.00	0.00	0.00	
11,500.00	90.00	89.82	8,450.00	-927.58	3,876.92	3,876.92	0.00	0.00	0.00	
11,600.00	90.00	89.82	8,450.00	-927.28	3,976.92	3,976.92	0.00	0.00	0.00	
11,700.00	90.00	89.82	8,450.00	-926.97	4,076.92	4,076.92	0.00	0.00	0.00	
11,800.00	90.00	89.82	8,450.00	-926.66	4,176.92	4,176.92	0.00	0.00	0.00	
11,900.00	90.00	89.82	8,450.00	-926.35	4,276.92	4,276.92	0.00	0.00	0.00	
12,000.00	90.00	89.82	8,450.00	-926.05	4,376.92	4,376.92	0.00	0.00	0.00	
12,100.00	90.00	89.82	8,450.00	-925.74	4,476.92	4,476.92	0.00	0.00	0.00	
12,200.00	90.00	89.82	8,450.00	-925.43	4,576.92	4,576.92	0.00	0.00	0.00	
12,300.00	90.00	89.82	8,450.00	-925.13	4,676.92	4,676.92	0.00	0.00	0.00	
12,400.00	90.00	89.82	8,450.00	-924.82	4,776.92	4,776.92	0.00	0.00	0.00	
12,500.00	90.00	89.82	8,450.00	-924.51	4,876.92	4,876.92	0.00	0.00	0.00	
12,600.00	90.00	89.82	8,450.00	-924.20	4,976.92	4,976.92	0.00	0.00	0.00	
12,700.00	90.00	89.82	8,450.00	-923.90	5,076.92	5,076.92	0.00	0.00	0.00	
12,800.00	90.00	89.82	8,450.00	-923.59	5,176.92	5,176.92	0.00	0.00	0.00	
12,900.00	90.00	89.82	8,450.00	-923.28	5,276.92	5,276.92	0.00	0.00	0.00	
13,000.00	90.00	89.82	8,450.00	-922.97	5,376.92	5,376.92	0.00	0.00	0.00	
13,100.00	90.00	89.82	8,450.00	-922.67	5,476.92	5,476.92	0.00	0.00	0.00	
13,200.00	90.00	89.82	8,450.00	-922.36	5,576.92	5,576.92	0.00	0.00	0.00	
13,300.00	90.00	89.82	8,450.00	-922.05	5,676.92	5,676.92	0.00	0.00	0.00	
13,400.00	90.00	89.82	8,450.00	-921.75	5,776.92	5,776.92	0.00	0.00	0.00	
13,500.00	90.00	89.82	8,450.00	-921.44	5,876.91	5,876.91	0.00	0.00	0.00	
13,600.00	90.00	89.82	8,450.00	-921.13	5,976.91	5,976.91	0.00	0.00	0.00	
13,700.00	90.00	89.82	8,450.00	-920.82	6,076.91	6,076.91	0.00	0.00	0.00	
13,800.00	90.00	89.82	8,450.00	-920.52	6,176.91	6,176.91	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,900.00	90.00	89.82	8,450.00	-920.21	6,276.91	6,276.91	0.00	0.00	0.00
14,000.00	90.00	89.82	8,450.00	-919.90	6,376.91	6,376.91	0.00	0.00	0.00
14,100.00	90.00	89.82	8,450.00	-919.59	6,476.91	6,476.91	0.00	0.00	0.00
14,200.00	90.00	89.82	8,450.00	-919.29	6,576.91	6,576.91	0.00	0.00	0.00
14,300.00	90.00	89.82	8,450.00	-918.98	6,676.91	6,676.91	0.00	0.00	0.00
14,400.00	90.00	89.82	8,450.00	-918.67	6,776.91	6,776.91	0.00	0.00	0.00
14,500.00	90.00	89.82	8,450.00	-918.36	6,876.91	6,876.91	0.00	0.00	0.00
14,600.00	90.00	89.82	8,450.00	-918.06	6,976.91	6,976.91	0.00	0.00	0.00
14,700.00	90.00	89.82	8,450.00	-917.75	7,076.91	7,076.91	0.00	0.00	0.00
14,800.00	90.00	89.82	8,450.00	-917.44	7,176.91	7,176.91	0.00	0.00	0.00
14,900.00	90.00	89.82	8,450.00	-917.14	7,276.91	7,276.91	0.00	0.00	0.00
15,000.00	90.00	89.82	8,450.00	-916.83	7,376.91	7,376.91	0.00	0.00	0.00
15,100.00	90.00	89.82	8,450.00	-916.52	7,476.91	7,476.91	0.00	0.00	0.00
15,200.00	90.00	89.82	8,450.00	-916.21	7,576.91	7,576.91	0.00	0.00	0.00
15,300.00	90.00	89.82	8,450.00	-915.91	7,676.91	7,676.91	0.00	0.00	0.00
15,400.00	90.00	89.82	8,450.00	-915.60	7,776.91	7,776.91	0.00	0.00	0.00
15,500.00	90.00	89.82	8,450.00	-915.29	7,876.91	7,876.91	0.00	0.00	0.00
15,600.00	90.00	89.82	8,450.00	-914.98	7,976.91	7,976.91	0.00	0.00	0.00
15,700.00	90.00	89.82	8,450.00	-914.68	8,076.90	8,076.90	0.00	0.00	0.00
15,800.00	90.00	89.82	8,450.00	-914.37	8,176.90	8,176.90	0.00	0.00	0.00
15,900.00	90.00	89.82	8,450.00	-914.06	8,276.90	8,276.90	0.00	0.00	0.00
16,000.00	90.00	89.82	8,450.00	-913.76	8,376.90	8,376.90	0.00	0.00	0.00
16,100.00	90.00	89.82	8,450.00	-913.45	8,476.90	8,476.90	0.00	0.00	0.00
16,200.00	90.00	89.82	8,450.00	-913.14	8,576.90	8,576.90	0.00	0.00	0.00
16,300.00	90.00	89.82	8,450.00	-912.83	8,676.90	8,676.90	0.00	0.00	0.00
16,400.00	90.00	89.82	8,450.00	-912.53	8,776.90	8,776.90	0.00	0.00	0.00
16,500.00	90.00	89.82	8,450.00	-912.22	8,876.90	8,876.90	0.00	0.00	0.00
16,600.00	90.00	89.82	8,450.00	-911.91	8,976.90	8,976.90	0.00	0.00	0.00
16,700.00	90.00	89.82	8,450.00	-911.60	9,076.90	9,076.90	0.00	0.00	0.00
16,800.00	90.00	89.82	8,450.00	-911.30	9,176.90	9,176.90	0.00	0.00	0.00
16,900.00	90.00	89.82	8,450.00	-910.99	9,276.90	9,276.90	0.00	0.00	0.00
17,000.00	90.00	89.82	8,450.00	-910.68	9,376.90	9,376.90	0.00	0.00	0.00
17,100.00	90.00	89.82	8,450.00	-910.38	9,476.90	9,476.90	0.00	0.00	0.00
17,200.00	90.00	89.82	8,450.00	-910.07	9,576.90	9,576.90	0.00	0.00	0.00
17,300.00	90.00	89.82	8,450.00	-909.76	9,676.90	9,676.90	0.00	0.00	0.00
17,400.00	90.00	89.82	8,450.00	-909.45	9,776.90	9,776.90	0.00	0.00	0.00
17,500.00	90.00	89.82	8,450.00	-909.15	9,876.90	9,876.90	0.00	0.00	0.00
17,600.00	90.00	89.82	8,450.00	-908.84	9,976.90	9,976.90	0.00	0.00	0.00
17,700.00	90.00	89.82	8,450.00	-908.53	10,076.90	10,076.90	0.00	0.00	0.00
17,800.00	90.00	89.82	8,450.00	-908.22	10,176.89	10,176.89	0.00	0.00	0.00
17,900.00	90.00	89.82	8,450.00	-907.92	10,276.89	10,276.89	0.00	0.00	0.00
18,000.00	90.00	89.82	8,450.00	-907.61	10,376.89	10,376.89	0.00	0.00	0.00
18,100.00	90.00	89.82	8,450.00	-907.30	10,476.89	10,476.89	0.00	0.00	0.00
18,200.00	90.00	89.82	8,450.00	-907.00	10,576.89	10,576.89	0.00	0.00	0.00
18,300.00	90.00	89.82	8,450.00	-906.69	10,676.89	10,676.89	0.00	0.00	0.00
18,400.00	90.00	89.82	8,450.00	-906.38	10,776.89	10,776.89	0.00	0.00	0.00
18,500.00	90.00	89.82	8,450.00	-906.07	10,876.89	10,876.89	0.00	0.00	0.00
18,600.00	90.00	89.82	8,450.00	-905.77	10,976.89	10,976.89	0.00	0.00	0.00
18,700.00	90.00	89.82	8,450.00	-905.46	11,076.89	11,076.89	0.00	0.00	0.00
18,800.00	90.00	89.82	8,450.00	-905.15	11,176.89	11,176.89	0.00	0.00	0.00
18,900.00	90.00	89.82	8,450.00	-904.84	11,276.89	11,276.89	0.00	0.00	0.00
19,000.00	90.00	89.82	8,450.00	-904.54	11,376.89	11,376.89	0.00	0.00	0.00
19,100.00	90.00	89.82	8,450.00	-904.23	11,476.89	11,476.89	0.00	0.00	0.00
19,200.00	90.00	89.82	8,450.00	-903.92	11,576.89	11,576.89	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #106H	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)
19,300.00	90.00	89.82	8,450.00	-903.62	11,676.89	11,676.89	0.00	0.00	0.00
19,350.50	90.00	89.82	8,450.00	-903.46	11,727.39	11,727.39	0.00	0.00	0.00
TD at 19350.50									

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
BOND 33-34 106H SHLI - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	618,917.73	710,414.56	32.70024268	-103.78368767
BOND 33-34 106H BHLI - plan hits target center - Point	0.00	0.00	8,450.00	-903.46	11,727.39	618,014.27	722,141.95	32.69758662	-103.74558153
BOND 33-34 106H FTP(- plan misses target center by 42.42usft at 8901.45usft MD (8450.00 TVD, -893.52 N, 1280.66 E) - Point	0.00	0.00	8,450.00	-935.46	1,274.26	617,982.27	711,688.82	32.69765328	-103.77956128
BOND 33-34 106H PP2(- plan misses target center by 0.25usft at 11427.73usft MD (8450.00 TVD, -927.81 N, 3804.66 E) - Point	0.00	0.00	8,450.00	-928.06	3,804.66	617,989.67	714,219.22	32.69763704	-103.77133575
BOND 33-34 106H PP4(- plan misses target center by 0.33usft at 16714.16usft MD (8450.00 TVD, -911.56 N, 9091.06 E) - Point	0.00	0.00	8,450.00	-911.89	9,091.06	618,005.84	719,505.62	32.69760331	-103.75415138
BOND 33-34 106H LTP(- plan misses target center by 0.01usft at 19260.50usft MD (8450.00 TVD, -903.74 N, 11637.39 E) - Point	0.00	0.00	8,450.00	-903.75	11,637.39	618,013.98	722,051.95	32.69758719	-103.74587409
BOND 33-34 106H PP3(- plan misses target center by 0.66usft at 14077.57usft MD (8450.00 TVD, -919.66 N, 6454.48 E) - Point	0.00	0.00	8,450.00	-920.32	6,454.48	617,997.41	716,869.04	32.69761942	-103.76272205
BOND 33-34 106H PP5(- plan misses target center by 0.16usft at 18037.33usft MD (8450.00 TVD, -907.50 N, 10414.22 E) - Point	0.00	0.00	8,450.00	-907.66	10,414.22	618,010.07	720,828.78	32.69759500	-103.74985022

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
19,350.72		20" Casing	20	24



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,682.52' GL @ 3712.52usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

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
2,019.99	2,017.14	-35.47	30.93	Start 5252.00 hold at 2019.99 MD
7,271.99	7,182.86	-749.99	654.07	Start Drop -2.00
7,791.98	7,700.00	-785.46	685.00	Start 177.04 hold at 7791.98 MD
7,969.02	7,877.04	-785.46	685.00	Start Build 10.00
8,869.02	8,450.00	-887.91	1,248.72	Start DLS 2.00 TFO -90.00
9,392.82	8,450.00	-934.06	1,769.76	Start 9957.68 hold at 9392.82 MD
19,350.50	8,450.00	-903.46	11,727.39	TD at 19350.50



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTTY/QR-5.7.1-19B

No: LT2023-052-006

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

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



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESING REPORT

LTTY/QR-5.7.1-28

No: 230422006

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

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

Product Name: Choke And Kill Hose

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

Serial Number: 7660103~7660110

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

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

QC Manager:

Jiaolong Chen

Date:April 22, 2023

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

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

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

If Other, please describe: _____

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

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

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

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

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

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

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

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

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

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

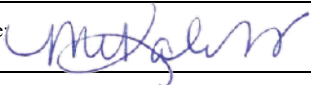
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

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

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

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

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

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

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.



ALL DIMENSIONS APPROXIMATE

PBEX OPERATIONS LLC
NEW MEXICO

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

Released to Imaging: 1/21/2026 10:43:39 AM

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 30-025-55826	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code 338342	Property Name BOND 33-34 FED COM	Well Number #106H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,683.92'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	32	18S	32E		1,348' FSL	1,180' FEL	32.700461°	-103.783724°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	34	18S	32E		330' FSL	50' FEL	32.697588°	-103.745712°	LEA

Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API 30-025-55721	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23684			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
I	32	18S	32E		1,348' FSL	1,180' FEL	32.700461°	-103.783724°	LEA

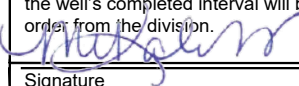
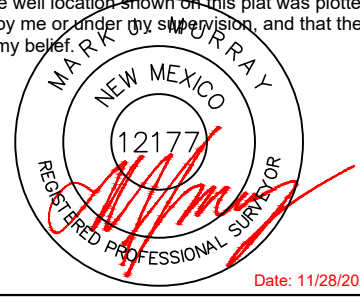
First Take Point (FTP)

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

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	34	18S	32E		330' FSL	100' FEL	32.697588°	-103.745874°	LEA

Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,683.92
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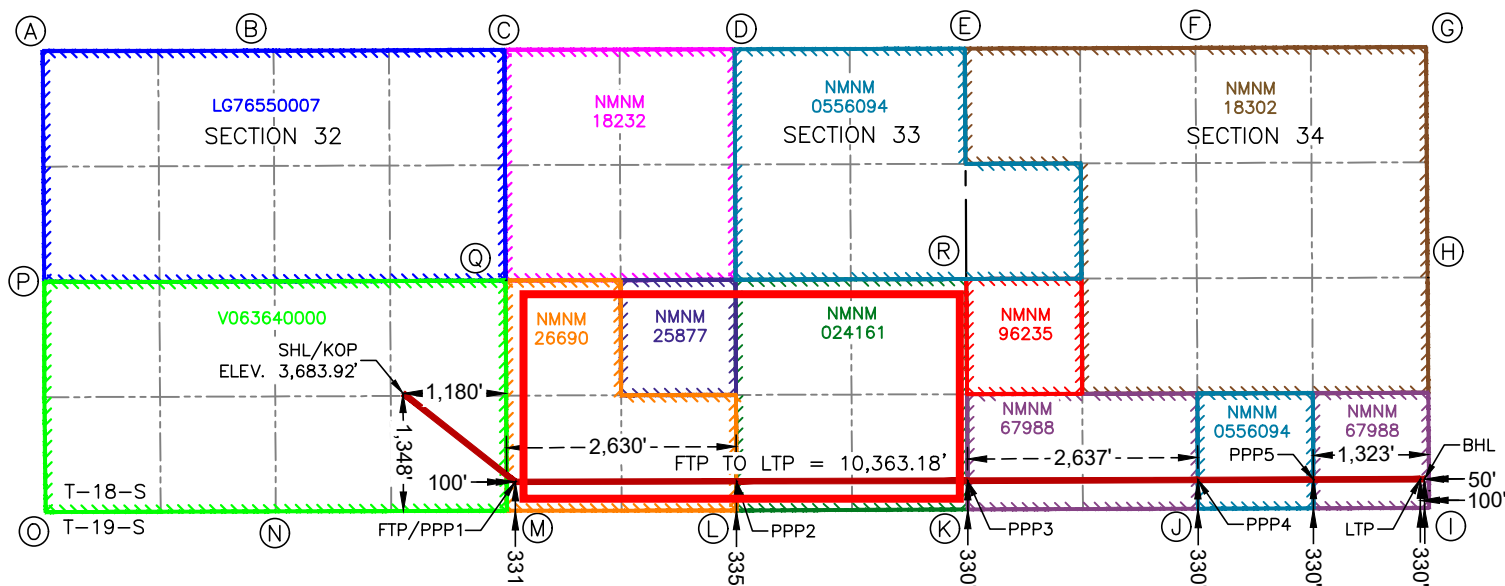
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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.		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.	
 Signature Mikah Thomas Date 11/30/25		 Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com Email Address		Certificate Number 12177	Date of Survey 11/28/2025
		Revision Number 1	

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

ACREAGE DEDICATION PLATS

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

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

**BOND 33-34 FED COM #106H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,348' FSL & 1,180' FEL
ELEV. = 3,683.92'
NAD 83 X = 710,402.88'
NAD 83 Y = 618,996.99'
NAD 83 LAT = 32.700461°
NAD 83 LONG = -103.783724°

**FIRST TAKE POINT &
PENETRATION POINT 1**
331' FSL & 100' FWL
NAD 83 X = 711,688.81'
NAD 83 Y = 617,983.42'
NAD 83 LAT = 32.697656°
NAD 83 LONG = -103.779561°

PENETRATION POINT 2
335' FSL & 2.630' FWL
NAD 83 X = 714,219.22'
NAD 83 Y = 617,989.83'
NAD 83 LAT = 32.697637°
NAD 83 LONG = -103.771336°

PENETRATION POINT 3
330' FSL & 0' FWL
NAD 83 X = 716,869.04'
NAD 83 Y = 617,996.85'
NAD 83 LAT = 32.697618°
NAD 83 LONG = -103.762722°

PENETRATION POINT 4
330' FSL & 2.637' FWL
NAD 83 X = 719,505.62'
NAD 83 Y = 618,005.32'
NAD 83 LAT = 32.697602°
NAD 83 LONG = -103.754151°

PENETRATION POINT 5
330' FSL & 1,323' FEL
NAD 83 X = 720,828.78'
NAD 83 Y = 618,009.98'
NAD 83 LAT = 32.697595°
NAD 83 LONG = -103.749850°

LAST TAKE POINT
330' FSL & 100' FEL
NAD 83 X = 722,051.95'
NAD 83 Y = 618,014.30'
NAD 83 LAT = 32.697588°
NAD 83 LONG = -103.745874°

BOTTOM HOLE LOCATION
330' FSL & 50' FEL
NAD 83 X = 722,101.95'
NAD 83 Y = 618,014.47'
NAD 83 LAT = 32.697588°
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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'
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Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'

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

WELL LOCATION INFORMATION **QUERECHO PLAINS; LOWER BONE**

API Number 30-025-55826	Pool Code 50600 50510	Pool Name QUERECHO PLAINS; UPPER BS SPRING
Property Code 338342	Property Name BOND 33-34 FED COM	Well Number #106H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,683.92'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

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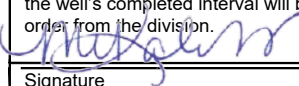
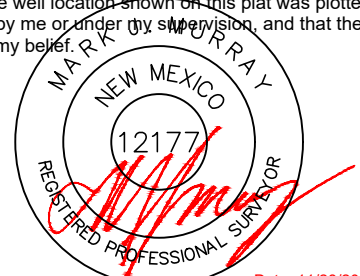
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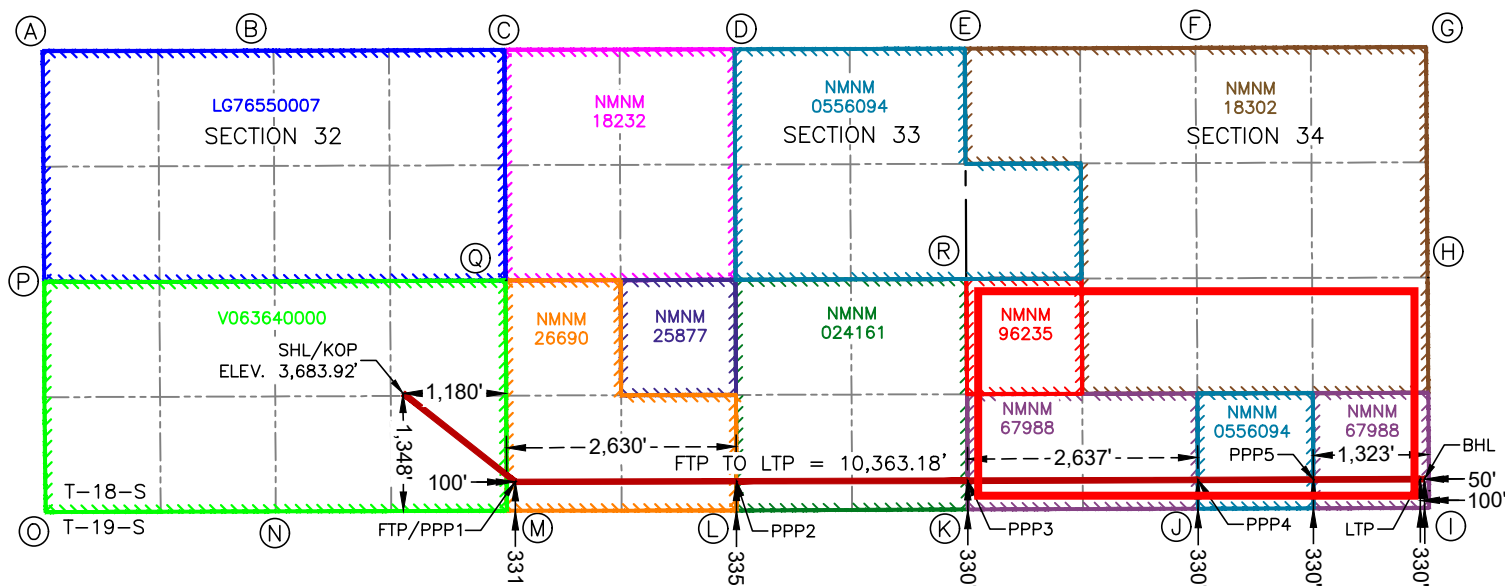
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Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'

Well Name: BOND 33-34 FED COM	Well Location: T18S / R32E / SEC 32 / SESE / 32.700243 / -103.783688	County or Parish/State: LEA / NM
Well Number: 106H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM26690	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: PBEX OPERATIONS LLC	

Notice of Intent

Sundry ID: 2887051

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 12/15/2025	Time Sundry Submitted: 03:30
Date proposed operation will begin: 12/15/2025	

Procedure Description: AFMSS APD Number: 10400103914 PBEX Operations, LLC requests the following: Well name change: Original: Bond 33-34 Fed Com 106H New: Bond 33-34 Fed Com 106H Casing/Cement/Mud change shown on attachment. SHL, BHL, lateral move shown on attachment.

NOI Attachments

Procedure Description

- PPP_Change_Bond_106H__106H_20251222105433.pdf
- Bond_32_34_Fed_Com_106H_20251222105429.pdf
- 24_041778_BOND_33_34_FED_COM__106H_C102_20251222105423.pdf
- 5.5_20.00__0.361__P110_RY_92.5_RBW_USS_FREEDOM_HTQ_Data_Sheet_03_14_24_20251215152914.pdf
- Plan_1_WM__03__Bond_33_34_FED_COM__106H_20251215152906.pdf
- Plan_1_AC__03__Bond_33_34_FED_COM__106H_20251215152900.pdf
- Plan_1__03__Bond_33_34_FED_COM__106H_20251215152853.pdf

Well Name: BOND 33-34 FED COM	Well Location: T18S / R32E / SEC 32 / SESE / 32.700243 / -103.783688	County or Parish/State: LEA / NM
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Lease Number: NMNM26690	Unit or CA Name:	Unit or CA Number:
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Conditions of Approval

Additional

32_18_32_P_Sundry_ID_2887051_Bond_32_34_Fed_Com_106H_Lea_NM26690_PBEX_Operations_LLC_13_22h_11_14_2024_LV_20260107150456.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MIKAH THOMAS	Signed on: DEC 22, 2025 10:54 AM
Name: PBEX OPERATIONS LLC	
Title: Regulatory Manager	
Street Address: 223 WEST WALL STREET STE 900	
City: MIDLAND	State: TX
Phone: (432) 661-7106	
Email address: MIKAH@PBEX.COM	

Field

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

BLM Point of Contact

BLM POC Name: LONG VO	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5759885402	BLM POC Email Address: LVO@BLM.GOV
Disposition: Approved	Disposition Date: 01/08/2026
Signature: Chris Walls	

32-18-32-P Sundry ID 2887051 Bond 32-34 Fed Com 106H Lea NM26690 PBEX Operations LLC 13-22h 11-14-2024 LV.xlsm

Bond 32-34 Fed Com 106H

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	1.13	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				Min Dist	
Size	Volume	Cmt Sx		CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg	
17 1/2	0.6946	1273		1820	843	116	8.30	1410	2M				1.56	
Site plot (pipe racks 3 or 4) as per O.D. 1.38 D 3.1 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	5.03	1.75	1.36	4,600	2	2.41	3.00	184,000
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500								Totals:	4,600			184,000
The cement volume(s) are intended to achieve a top of								0	ft from surface or a	1213		overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
12 1/4	0.3132	1141	2969	1501	98	10.20	2390	3M				0.81
r D V Tool(s):								sum of sx	Σ CuFt			Σ%excess
t by stage % :												
Class 'H' tail cmt yld > 1.20								1141	2969			98

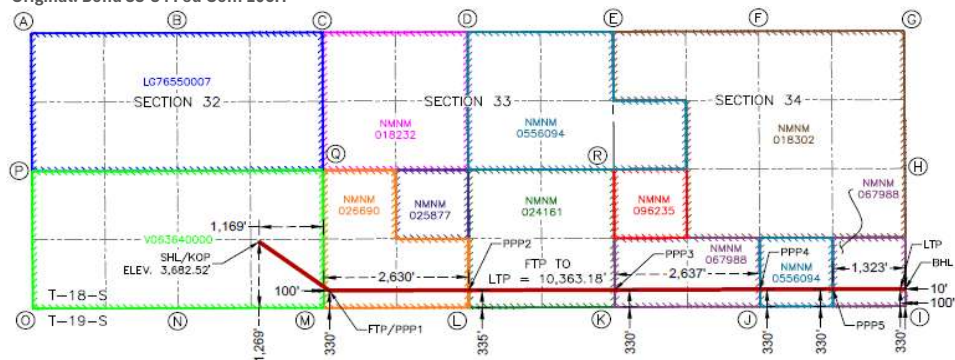
5 1/2		casing inside the		9 5/8		Design Factors				Prod 1		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00		p 110	freedom	3.81	2.62	3.15	19,378	3	5.59	4.64	387,560
"B"								0				0
"C"								0				0
"D"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,852								Totals:	19,378			387,560
The cement volume(s) are intended to achieve a top of								4400	ft from surface or a		200	overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg
8 3/4	0.2526	3228	4654	3785	23	9.70						1.23
Class 'C' tail cmt yld > 1.35												

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

PPP Changes

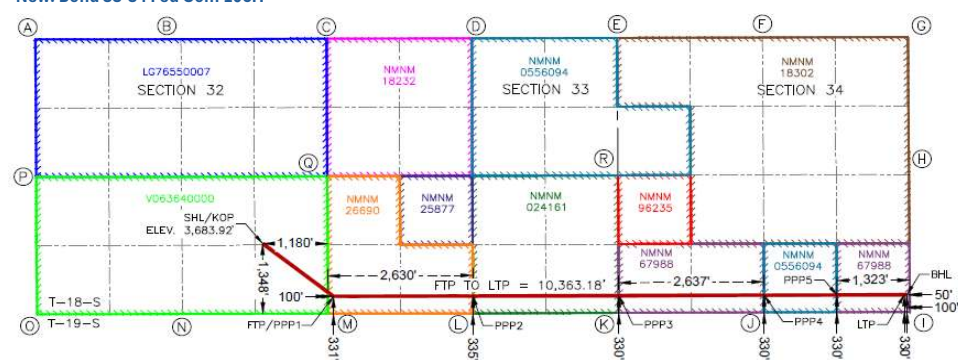
Original- Grey
New- Blue

Original: Bond 33-34 Fed Com 106H



Original- SHL	32-18S-32E	1269 FSL & 1169 FEL	V063640000
Original- KOP	32-18S-32E	1269 FSL & 1169 FEL	V063640000
Original- FTP	32-18S-32E	330 FSL & 100 FWL	V063640000
Original- PPP2	33-18S-32E	335 FSL & 2630 FWL	NMNM026690
Original- PPP3	33-18S-32E	330 FSL & 0 FWL	NMNM024161
Original- PPP4	34-18S-32E	330 FSL & 2637 FWL	NMNM067988
Original- PPP5	34-18S-32E	331 FSL & 1323 FEL	NMNM0556094
Original- LTP	34-18S-32E	330 FSL & 100 FEL	NMNM067988
Original- BHL	34-18S-32E	330 FSL & 10 FEL	NMNM067988

New: Bond 33-34 Fed Com 106H



New-SHL	32-18S-32E	1348 FSL & 1180 FEL	V063640000
New- KOP	32-18S-32E	1348 FSL & 1180 FEL	V063640000
New- FTP	33-18S-32E	1348 FSL & 100 FWL	NMNM26690
New- PPP2	33-18S-32E	335 FSL & 2630 FWL	NMNM024161
New- PPP3	34-18S-32E	330 FNL & 0 FWL	NMNM67988
New- PPP4	34-18S-32E	330 FSL & 2637 FWL	NMNM0556094
New- PPP5	34-18S-32E	330 FSL & 1323 FEL	NMNM67988
New- LTP	34-18S-32E	330 FSL & 100 FEL	NMNM67988
New- BHL	34-18S-32E	330 FSL & 50 FEL	NMNM67988

Bond 32-34 Fed Com 106H

Original Design in Grey

New Design in Blue

Target Zone: 1BSS

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	19351	0	8450	P-110	17	CDC HTQ	1.125	1.125	1.6

Casing Design- NEW														
Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.55	BTC	1.125	1.125	1.6
Intermediate	12 1/4	9 5/8	API	no	0	4600	0	4550	L80HC	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	19378	0	8418	P110	20	Freedom	1.125	1.125	1.6
Production														

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

Cement Details- ORIGINAL									
Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	751	2.22	1667.3	12.5	100%	C	Gel, Accleerator, LCM
	Tail	1200	83	1.84	152.8	13.2	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	804	2.65	2129.5	10.5	100%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	240	1.33	319.2	13.2	100%	C or H	Fluid Loss, Retarder, LCM
Produciton	Lead	4035	275	4.3	1184.4	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	2158	1.68	3625.9	13	20%	H	Fluid Loss, Retarder, LCM

Cement Details- NEW									
Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accleerator, LCM
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	753	3.32	2500.5	10.5	100%	C	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	388	1.21	469.8	13.2	100%	C	Fluid Loss, Retarder, LCM
Produciton	Lead	4035	380	3.03	1152.2	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	2,848	1.23	3503.4	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	19351	Oil Based Mud	9.7	35-65	4 to 6

Mud Program- NEW						
Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4600	Brine Based Mud	10.2	35-45	NC
Production	4600	19378	Oil Based Mud	9.7	35-65	4 to 6
Production						



5.5 20.00 (0.361) P110 RY USS-FREEDOM HTQ®

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

UNCONTROLLED

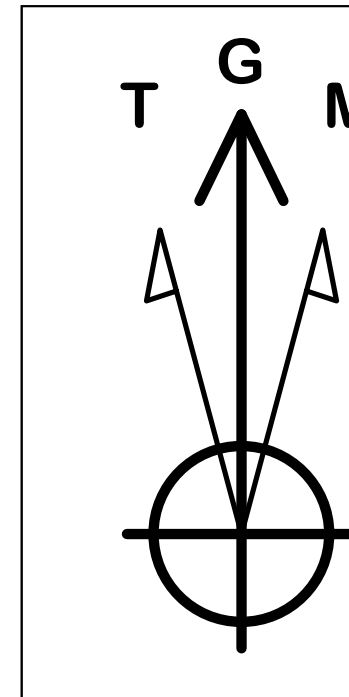
UNCONTROLLED

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

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



PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (03) Bond 33-34 FED COM #106H
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 @ 3714.42usft
Elevation: 3683.92
To convert a Magnetic Direction to a Grid Direction, Add 6.051°



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

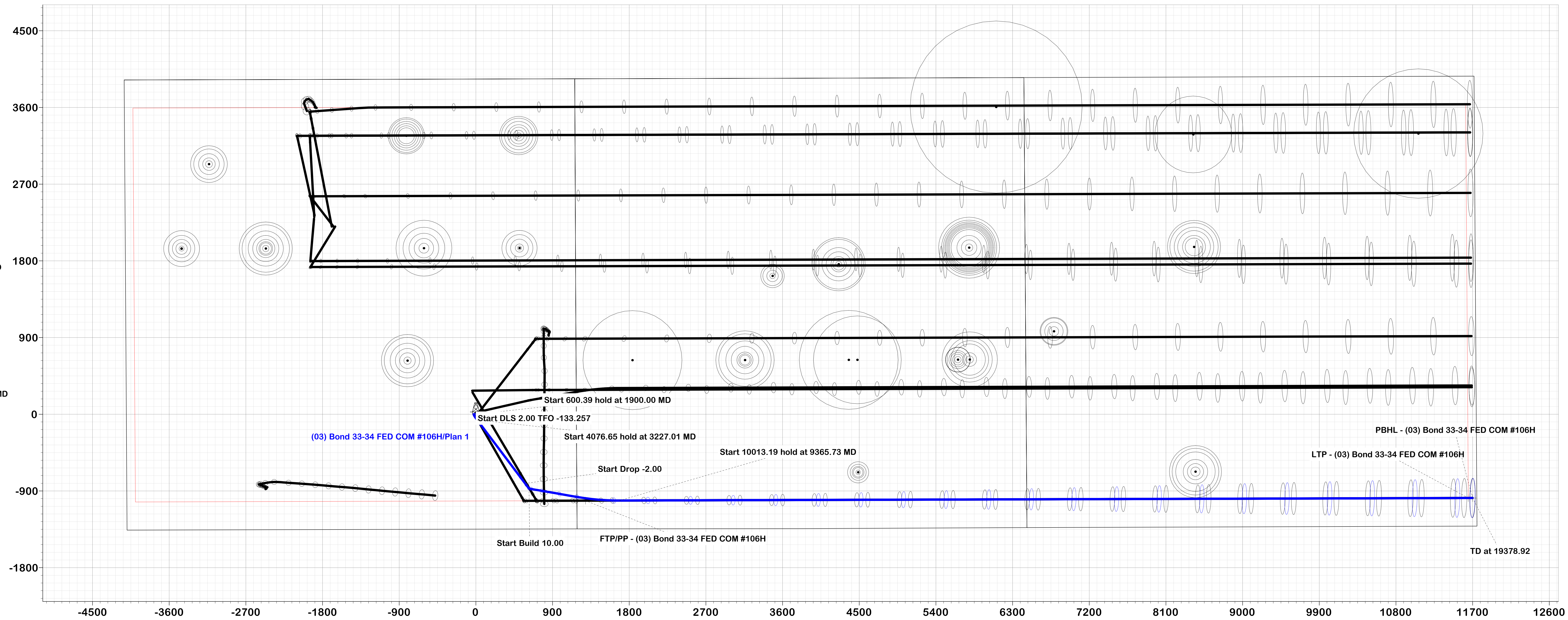
Magnetic Field
Strength: 47225.6nT
Dip Angle: 60.14°
Date: 12/2/2025
Model: IGRF2025



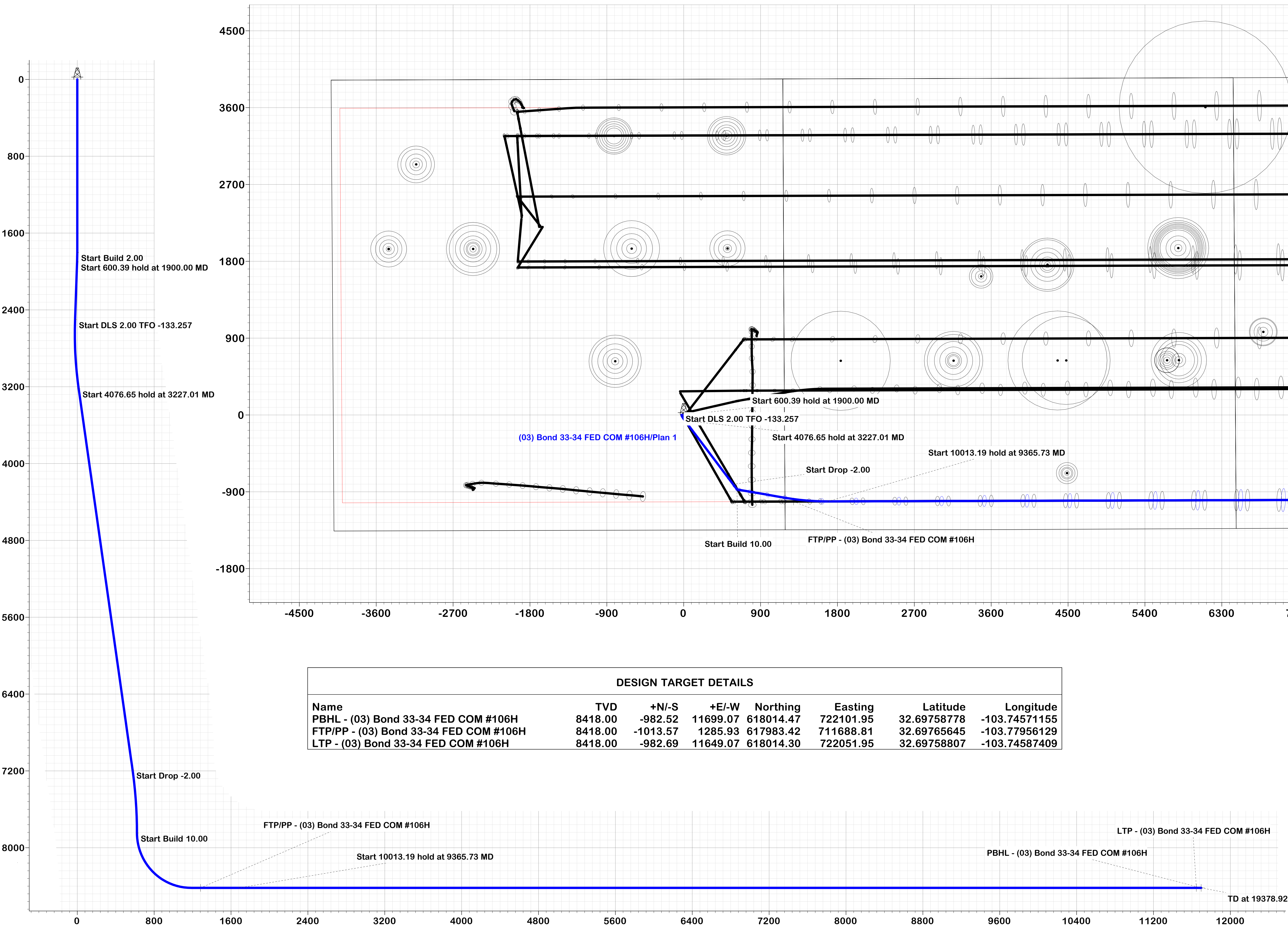
PBEX
Site: Bond South Pad - Phase 2
Well: (03) Bond 33-34 FED COM #106H
Wellbore: #106H
Plan: Plan 1

WELL DETAILS: (03) Bond 33-34 FED COM #106H					
		Northing	Easting	Latitude	Longitude
0.00	0.00	618996.99	710402.88	32.70046070	-103.78372430

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	1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.000	0.00
3	1900.00	2.00	270.00	1899.98	0.00	-1.75	2.00	270.000	-1.75
4	2500.39	2.00	270.00	2500.00	0.00	-22.70	0.00	0.000	-22.70
5	3227.01	13.24	142.93	3220.61	-66.75	14.99	2.00	-133.257	14.79
6	7303.66	13.24	142.93	7188.89	-811.75	577.84	0.00	0.000	575.43
7	7965.69	0.00	99.83	7845.04	-872.51	623.74	2.00	180.000	621.15
8	8865.69	90.00	99.83	8418.00	-970.33	1188.29	10.00	0.000	1185.41
9	9365.73	90.00	89.83	8418.00	-1012.38	1685.92	2.00	-90.000	1682.91
10	19378.92	90.00	89.83	8418.00	-982.52	11699.07	0.00	0.000	11696.10



DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - (03) Bond 33-34 FED COM #106H	8418.00	-982.52	11699.07	618014.47	722101.95	32.69758778	-103.74571155
FTP/PP - (03) Bond 33-34 FED COM #106H	8418.00	-1013.57	1285.93	617983.42	711688.81	32.69765645	-103.77956129
LTP - (03) Bond 33-34 FED COM #106H	8418.00	-982.69	11649.07	618014.30	722051.95	32.69758807	-103.74587409



Plan 1 (03) Bond 33-34 FED COM #106H
Created By: Todd Broderick Date: 15:46, December 03 2025

Vertical Section at 89.83° (400 usft/in)



PBEX

Lea County, NM (N83 - NME)

Bond South Pad - Phase 2

(03) Bond 33-34 FED COM #106H

TBD

#106H

Plan 1

Anticollision Report

03 December, 2025

DIXON



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference	Plan 1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,064.38usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	12/3/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	19,378.92	Plan 1 (#106H)	MWD+IFR1	OWSG MWD + IFR1	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond North Pad - Phase 1						
(01) Bond 32-34 FED COM 205H - 205H - Plan 2						Out of range
(02) Bond 32-34 FED COM 301H - 301H - Plan 2						Out of range
(03) Bond 32-34 FED COM 201H - 201H - Plan 2						Out of range
Bond North Pad - Phase 2						
(01) Bond 32-34 FED COM #303H - #303H - Plan 1						Out of range
(02) Bond 32-34 FED COM #101H - #101H - Plan 1						Out of range
(03) Bond 32-34 FED COM #103H - #103H - Plan 1						Out of range
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)						Out of range
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	8,726.86	11,125.74	1,019.02	975.56	23.449	CC, ES
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	9,101.11	11,185.18	1,150.71	1,096.28	21.143	SF
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	8,400.00	11,190.00	1,694.77	1,646.21	34.898	CC
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	8,400.00	11,190.00	1,694.77	1,646.21	34.898	ES
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	8,600.00	11,190.00	1,742.03	1,690.87	34.051	SF
(W04) FIST FULL OF DOLLARS FEDERAL 001 - 33644						Out of range
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)						Out of range
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	13,481.30	8,414.09	1,642.62	1,312.50	4.976	CC
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	13,500.00	8,414.09	1,642.73	1,312.29	4.971	ES
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	13,600.00	8,414.09	1,646.90	1,314.97	4.962	SF
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)	16,127.27	8,420.24	319.94	-39.70	0.890	Level 3, CC, ES, SF
(W08) HULKSTER 001 - 38446 - (Inc Only)						Out of range
(W09) HULKSTER 002 - 38844 - (Inc Only)						Out of range
(W10) HULKSTER 003 - 39570 - (Inc Only)						Out of range
(W11) HULKSTER 004 - 39571 - (Inc Only)						Out of range
(W12) HULKSTER 005 - 39572 - (Inc Only)	727.98	746.91	2,016.29	1,998.04	110.515	CC
(W12) HULKSTER 005 - 39572 - (Inc Only)	2,600.00	2,604.30	2,024.03	1,966.06	34.915	ES
(W12) HULKSTER 005 - 39572 - (Inc Only)	3,100.00	3,101.16	2,060.57	1,989.52	29.004	SF
(W13) KEELA FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)						Out of range
(W15) KEELA FEDERAL 004 - 33499 - (Inc Only)						Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,578.71	2,578.98	1,001.17	937.69	15.772	CC
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,600.00	2,600.25	1,001.24	937.30	15.658	ES
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	7,700.00	7,590.74	2,060.00	1,871.48	10.927	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 (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond Pad Offsets						
(W17) MAX STATE 001 - 26754 - (Inc Only)	2,532.32	2,524.76	2,035.33	1,968.67	30.535	CC
(W17) MAX STATE 001 - 26754 - (Inc Only)	2,600.00	2,592.42	2,036.04	1,967.53	29.722	ES
(W17) MAX STATE 001 - 26754 - (Inc Only)	2,900.00	2,909.38	2,057.85	1,980.69	26.668	SF
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)						Out of range
(W19) SPEAR FEDERAL 001 - 33645 - (Inc Only)						Out of range
(W20) SUPERIOR FEDERAL 001 - 24277 - (Inc Only)						Out of range
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	10,843.52	8,421.43	1,647.21	1,383.40	6.244	CC
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	10,900.00	8,421.43	1,648.18	1,383.39	6.225	ES
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	11,000.00	8,421.43	1,654.63	1,388.27	6.212	SF
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)						Out of range
(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)	5,580.18	5,480.81	1,877.09	1,285.01	3.170	CC
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth)	5,600.00	5,482.00	1,877.18	1,284.97	3.170	ES, SF
(W26) STATE EC 001 - 00885 - (Depth Only)						Out of range
(W27) TEXACO FEDERAL 001 - 00886 - (Depth Only)						Out of range
Bond South Pad - Phase 1						
(01) Bond 32-34 FED COM 207H - 207H - Plan 2	2,509.12	2,512.42	277.33	264.82	22.164	CC, ES
(01) Bond 32-34 FED COM 207H - 207H - Plan 2	19,378.92	20,181.28	1,603.26	1,209.99	4.077	SF
(02) Bond 32-34 FED COM 211H - 211H - Plan 2	3,995.26	4,037.82	101.43	84.04	5.831	CC
(02) Bond 32-34 FED COM 211H - 211H - Plan 2	8,300.00	8,390.51	126.65	76.43	2.522	ES, SF
Bond South Pad - Phase 2						
(01) Bond 33-34 FED COM #306H - #306H - Plan 1	1,800.00	1,798.82	40.33	29.85	3.847	CC
(01) Bond 33-34 FED COM #306H - #306H - Plan 1	1,900.00	1,898.80	40.59	29.80	3.760	ES
(01) Bond 33-34 FED COM #306H - #306H - Plan 1	2,000.00	1,998.74	41.34	30.25	3.727	SF
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	1,800.00	1,799.77	20.24	9.76	1.930	Level 3, CC, ES
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	1,900.00	1,899.75	20.58	9.78	1.906	Level 3, SF
(04) Bond 33-34 FED COM #104H - #104H - Plan 1	1,939.40	1,939.97	19.99	9.08	1.832	Level 3, CC
(04) Bond 33-34 FED COM #104H - #104H - Plan 1	2,000.00	2,000.54	20.10	9.01	1.813	Level 3, ES, SF

Offset Design: Bond Pad Offsets - (W02) LEAR STATE 001H - 38865 - (Gyro/MWD)													Offset Site Error:	0.00 usft
Survey Program:		100-GYRO-NS, 8838-MWD						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		
0.00	0.00	0.00	0.00	0.00	0.00	42.655	925.75	852.92	1,258.90					
100.00	100.00	81.15	81.15	0.79	0.51	42.666	925.60	853.11	1,258.78	1,257.48	1.29	972.737		
200.00	200.00	183.04	183.04	1.45	0.94	42.694	925.16	853.54	1,258.75	1,256.37	2.38	528.350		
242.14	242.14	223.72	223.72	1.63	1.09	42.702	925.01	853.65	1,258.71	1,256.00	2.72	462.956		
300.00	300.00	277.36	277.35	1.89	1.28	42.712	924.94	853.86	1,258.81	1,255.64	3.17	397.123		
400.00	400.00	381.51	381.51	2.25	1.65	42.727	924.92	854.31	1,259.09	1,255.19	3.90	322.587		
446.14	446.14	427.73	427.72	2.40	1.82	42.733	924.81	854.39	1,259.07	1,254.86	4.21	298.947		
500.00	500.00	479.21	479.21	2.57	2.00	42.738	924.77	854.50	1,259.12	1,254.56	4.56	275.961		
600.00	600.00	582.20	582.19	2.85	2.36	42.745	924.77	854.71	1,259.25	1,254.05	5.21	241.822		
645.76	645.76	627.34	627.34	2.97	2.52	42.747	924.72	854.72	1,259.22	1,253.74	5.48	229.602		
700.00	700.00	678.82	678.81	3.11	2.70	42.748	924.75	854.77	1,259.28	1,253.48	5.81	216.914		
800.00	800.00	781.82	781.82	3.35	3.06	42.738	925.02	854.73	1,259.46	1,253.05	6.41	196.554		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W02) LEAR STATE 001H - 38865 - (Gyro/MWD)													Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-NS, 8838-MWD													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
844.52	844.52	826.11	826.10	3.45	3.22	42.727	925.18	854.53	1,259.43	1,252.77	6.66	188.993		
900.00	900.00	879.23	879.22	3.58	3.40	42.705	925.54	854.21	1,259.49	1,252.51	6.98	180.549		
1,000.00	1,000.00	979.91	979.90	3.79	3.75	42.654	926.45	853.52	1,259.69	1,252.14	7.54	166.991		
1,100.00	1,100.00	1,078.33	1,078.31	3.99	4.10	42.613	927.18	852.97	1,259.86	1,251.76	8.09	155.668		
1,200.00	1,200.00	1,181.84	1,181.82	4.19	4.46	42.571	927.94	852.41	1,260.03	1,251.38	8.65	145.634		
1,229.83	1,229.83	1,211.43	1,211.41	4.25	4.56	42.560	928.08	852.23	1,260.01	1,251.20	8.81	142.988		
1,300.00	1,300.00	1,275.22	1,275.20	4.38	4.79	42.541	928.49	852.02	1,260.19	1,251.02	9.17	137.458		
1,400.00	1,400.00	1,374.46	1,374.43	4.56	5.14	42.519	929.28	852.08	1,260.82	1,251.12	9.70	130.011		
1,500.00	1,500.00	1,471.86	1,471.82	4.74	5.48	42.502	929.98	852.22	1,261.44	1,251.22	10.22	123.481		
1,600.00	1,600.00	1,572.82	1,572.79	4.91	5.83	42.483	930.85	852.46	1,262.24	1,251.49	10.74	117.514		
1,700.00	1,700.00	1,673.80	1,673.76	5.08	6.18	42.470	931.51	852.68	1,262.87	1,251.61	11.26	112.134		
1,800.00	1,800.00	1,771.60	1,771.56	5.24	6.53	42.448	932.33	852.78	1,263.55	1,251.79	11.77	107.373		
1,900.00	1,899.98	1,875.25	1,875.21	5.48	6.89	132.471	933.04	853.11	1,265.46	1,253.13	12.32	102.691		
2,000.00	1,999.92	1,973.58	1,973.53	5.63	7.23	132.574	933.56	853.25	1,268.31	1,255.50	12.81	99.013		
2,100.00	2,099.86	2,073.19	2,073.14	5.80	7.58	132.676	934.28	853.48	1,271.35	1,258.05	13.31	95.552		
2,200.00	2,199.80	2,169.20	2,169.15	5.97	7.92	132.773	935.00	853.76	1,274.47	1,260.68	13.79	92.399		
2,300.00	2,299.74	2,266.70	2,266.64	6.15	8.26	132.862	936.15	854.10	1,277.94	1,263.65	14.29	89.425		
2,400.00	2,399.68	2,362.38	2,362.31	6.35	8.60	132.944	937.45	854.47	1,281.59	1,266.80	14.79	86.678		
2,500.00	2,499.61	2,457.76	2,457.67	6.55	8.93	133.015	939.19	854.95	1,285.65	1,270.36	15.28	84.117		
2,600.00	2,599.57	2,552.81	2,552.70	6.77	9.26	-160.523	940.92	855.88	1,290.13	1,274.35	15.79	81.729		
2,700.00	2,699.50	2,654.14	2,654.00	6.94	9.62	-122.754	943.18	856.86	1,295.14	1,278.79	16.35	79.221		
2,800.00	2,799.26	2,758.65	2,758.49	7.01	9.98	-111.414	945.05	857.67	1,299.94	1,283.09	16.85	77.133		
2,900.00	2,898.74	2,858.31	2,858.14	7.07	10.33	-106.691	946.82	858.23	1,304.88	1,287.55	17.33	75.294		
3,000.00	2,997.82	2,960.26	2,960.07	7.14	10.69	-104.378	948.33	859.06	1,310.14	1,292.33	17.81	73.546		
3,100.00	3,096.38	3,058.81	3,058.61	7.26	11.04	-103.228	949.76	859.50	1,315.62	1,297.33	18.29	71.939		
3,200.00	3,194.29	3,155.85	3,155.64	7.46	11.38	-102.761	951.48	859.80	1,321.83	1,303.06	18.76	70.444		
3,300.00	3,291.66	3,255.58	3,255.36	7.63	11.73	-103.451	953.07	860.15	1,328.57	1,309.36	19.22	69.136		
3,400.00	3,389.00	3,354.02	3,353.78	7.85	12.07	-104.420	954.42	860.45	1,335.53	1,315.81	19.72	67.728		
3,500.00	3,486.35	3,450.38	3,450.13	8.09	12.41	-105.359	955.76	860.75	1,342.88	1,322.66	20.22	66.399		
3,600.00	3,583.69	3,546.81	3,546.55	8.35	12.75	-106.295	957.23	860.97	1,350.68	1,329.94	20.74	65.120		
3,700.00	3,681.03	3,644.90	3,644.63	8.62	13.09	-107.224	958.55	861.45	1,358.86	1,337.58	21.28	63.871		
3,800.00	3,778.37	3,746.00	3,745.72	8.91	13.45	-108.152	959.53	862.19	1,367.22	1,345.39	21.83	62.628		
3,900.00	3,875.71	3,844.95	3,844.67	9.21	13.79	-109.061	960.38	862.52	1,375.64	1,353.25	22.39	61.443		
4,000.00	3,973.05	3,939.98	3,939.69	9.53	14.13	-109.933	961.41	862.69	1,384.50	1,361.55	22.94	60.349		
4,100.00	4,070.40	4,037.61	4,037.32	9.86	14.47	-110.812	962.47	863.03	1,393.79	1,370.27	23.51	59.274		
4,200.00	4,167.74	4,139.20	4,138.90	10.20	14.82	-111.712	963.36	863.35	1,403.22	1,379.11	24.11	58.194		
4,300.00	4,265.08	4,239.98	4,239.68	10.54	15.18	-112.599	964.03	863.36	1,412.65	1,387.93	24.72	57.151		
4,400.00	4,362.42	4,337.01	4,336.70	10.90	15.52	-113.453	964.73	863.07	1,422.31	1,396.99	25.32	56.181		
4,500.00	4,459.76	4,432.71	4,432.40	11.27	15.85	-114.290	965.54	862.72	1,432.36	1,406.44	25.92	55.263		
4,600.00	4,557.10	4,528.63	4,528.32	11.65	16.19	-115.115	966.42	862.44	1,442.85	1,416.32	26.53	54.382		
4,700.00	4,654.45	4,626.24	4,625.93	12.03	16.53	-115.944	967.34	862.15	1,453.65	1,426.49	27.16	53.522		
4,800.00	4,751.79	4,724.15	4,723.83	12.42	16.87	-116.766	968.26	861.80	1,464.74	1,436.94	27.80	52.692		
4,900.00	4,849.13	4,823.67	4,823.34	12.82	17.22	-117.596	969.17	861.21	1,476.01	1,447.56	28.45	51.878		
5,000.00	4,946.47	4,922.80	4,922.46	13.22	17.57	-118.415	969.96	860.45	1,487.41	1,458.30	29.11	51.093		
5,100.00	5,043.81	5,018.66	5,018.32	13.63	17.90	-119.197	970.73	859.68	1,499.11	1,469.34	29.77	50.364		
5,200.00	5,141.15	5,115.21	5,114.86	14.04	18.24	-119.982	971.69	858.71	1,511.18	1,480.75	30.43	49.661		
5,300.00	5,238.50	5,217.36	5,216.99	14.46	18.60	-120.809	972.60	857.35	1,523.34	1,492.21	31.13	48.937		
5,400.00	5,335.84	5,314.08	5,313.70	14.88	18.94	-121.603	973.55	855.45	1,535.66	1,503.85	31.81	48.274		
5,500.00	5,433.18	5,409.73	5,409.31	15.30	19.27	-122.396	974.73	853.05	1,548.33	1,515.83	32.50	47.644		
5,600.00	5,530.52	5,503.17	5,502.71	15.73	19.60	-123.157	975.99	850.82	1,561.45	1,528.27	33.18	47.059		
5,700.00	5,627.86	5,601.29	5,600.80	16.16	19.94	-123.931	977.27	848.79	1,574.92	1,541.03	33.89	46.470		
5,800.00	5,725.20	5,696.72	5,696.20	16.60	20.28	-124.665	978.45	847.03	1,588.68	1,554.09	34.59	45.923		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W02) LEAR STATE 001H - 38865 - (Gyro/MWD)												Offset Site Error:	0.00 usft
Survey Program: 100-GYRO-NS, 8838-MWD												Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,900.00	5,822.55	5,792.64	5,792.10	17.03	20.61	-125.385	979.66	845.41	1,602.78	1,567.47	35.31	45.397	
6,000.00	5,919.89	5,887.35	5,886.80	17.47	20.94	-126.087	980.95	843.77	1,617.23	1,581.21	36.02	44.902	
6,100.00	6,017.23	5,983.55	5,982.96	17.92	21.28	-126.792	982.39	842.00	1,632.02	1,595.28	36.74	44.419	
6,200.00	6,114.57	6,079.93	6,079.32	18.36	21.62	-127.483	983.84	840.31	1,647.09	1,609.61	37.47	43.955	
6,300.00	6,211.91	6,181.78	6,181.14	18.81	21.97	-128.197	985.23	838.63	1,662.29	1,624.06	38.24	43.475	
6,400.00	6,309.25	6,281.33	6,280.67	19.26	22.32	-128.876	986.27	837.06	1,677.46	1,638.46	38.99	43.020	
6,500.00	6,406.60	6,374.32	6,373.65	19.71	22.65	-129.496	987.25	835.71	1,692.87	1,653.15	39.72	42.622	
6,600.00	6,503.94	6,474.32	6,473.63	20.16	23.00	-130.155	988.45	834.18	1,708.61	1,668.13	40.49	42.202	
6,700.00	6,601.28	6,569.56	6,568.86	20.61	23.33	-130.768	989.41	832.77	1,724.41	1,683.18	41.23	41.821	
6,800.00	6,698.62	6,664.52	6,663.80	21.07	23.66	-131.367	990.53	831.48	1,740.59	1,698.61	41.98	41.461	
6,900.00	6,795.96	6,764.23	6,763.50	21.52	24.01	-131.985	991.71	830.09	1,756.95	1,714.19	42.76	41.089	
7,000.00	6,893.31	6,860.99	6,860.25	21.98	24.35	-132.573	992.69	828.73	1,773.35	1,729.83	43.53	40.743	
7,100.00	6,990.65	6,957.81	6,957.05	22.44	24.69	-133.152	993.76	827.37	1,790.03	1,745.73	44.30	40.411	
7,200.00	7,087.99	7,052.63	7,051.85	22.90	25.02	-133.721	994.86	825.65	1,806.87	1,761.81	45.06	40.100	
7,300.00	7,185.33	7,147.87	7,147.06	23.36	25.35	-134.286	996.15	823.85	1,824.08	1,778.25	45.83	39.800	
7,400.00	7,283.03	7,246.00	7,245.16	23.84	25.70	-135.048	997.46	821.91	1,840.30	1,793.69	46.61	39.479	
7,500.00	7,381.40	7,346.26	7,345.39	24.29	26.05	-135.711	998.77	819.73	1,854.19	1,806.80	47.39	39.129	
7,600.00	7,480.35	7,449.97	7,449.06	24.73	26.41	-136.273	999.91	817.20	1,865.45	1,817.30	48.15	38.743	
7,700.00	7,579.74	11,074.00	9,371.37	25.14	44.66	-96.814	-917.86	800.02	1,820.18	1,784.19	35.99	50.570	
7,800.00	7,679.45	11,074.00	9,371.37	25.52	44.66	-66.989	-917.86	800.02	1,720.40	1,684.16	36.24	47.469	
7,900.00	7,779.36	11,074.00	9,371.37	25.85	44.66	-46.845	-917.86	800.02	1,620.75	1,584.25	36.49	44.410	
8,000.00	7,879.34	11,074.00	9,371.37	25.99	44.66	9.240	-917.86	800.02	1,521.26	1,484.50	36.75	41.390	
8,100.00	7,978.13	11,074.00	9,371.37	26.30	44.66	174.998	-917.86	800.02	1,421.43	1,384.44	36.99	38.429	
8,200.00	8,072.88	11,074.00	9,371.37	26.67	44.66	177.914	-917.86	800.02	1,323.81	1,286.61	37.19	35.591	
8,300.00	8,160.71	11,082.55	9,371.08	27.06	44.77	177.820	-926.40	800.23	1,232.17	1,194.72	37.46	32.896	
8,400.00	8,238.94	11,088.88	9,370.88	27.45	44.84	177.833	-932.73	800.38	1,151.05	1,113.16	37.89	30.375	
8,500.00	8,305.21	11,097.35	9,370.65	27.84	44.94	177.609	-941.19	800.59	1,085.46	1,046.70	38.77	28.000	
8,600.00	8,357.50	11,105.00	9,370.46	28.22	45.03	177.373	-948.84	800.77	1,040.42	1,000.08	40.35	25.788	
8,700.00	8,394.21	11,121.85	9,370.12	28.61	45.24	176.534	-965.68	801.16	1,019.99	977.28	42.70	23.885	
8,726.86	8,401.26	11,125.74	9,370.05	28.72	45.28	176.325	-969.57	801.25	1,019.02	975.56	43.46	23.449 CC, ES	
8,800.00	8,414.24	11,136.79	9,369.88	29.03	45.42	175.660	-980.62	801.50	1,026.19	980.54	45.66	22.477	
8,800.00	8,414.24	11,136.79	9,369.88	29.03	45.42	175.660	-980.62	801.50	1,026.19	980.54	45.66	22.477	
8,900.00	8,418.00	11,155.77	9,369.60	29.51	45.65	174.694	-999.59	801.92	1,057.39	1,008.69	48.70	21.714	
8,900.01	8,418.00	11,155.77	9,369.60	29.51	45.65	174.694	-999.59	801.92	1,057.39	1,008.70	48.70	21.714	
9,000.00	8,418.00	11,172.14	9,369.36	30.15	45.85	174.691	-1,015.95	802.29	1,100.15	1,048.52	51.63	21.309	
9,003.24	8,418.00	11,172.61	9,369.35	30.17	45.85	174.697	-1,016.43	802.30	1,101.66	1,049.94	51.72	21.299	
9,100.00	8,418.00	11,185.06	9,369.17	30.97	46.01	175.090	-1,028.86	802.57	1,150.12	1,095.72	54.40	21.144	
9,101.11	8,418.00	11,185.18	9,369.17	30.98	46.01	175.096	-1,028.99	802.58	1,150.71	1,096.28	54.42	21.143 SF	
9,200.00	8,418.00	11,194.51	9,369.03	31.96	46.12	175.898	-1,038.31	802.78	1,206.46	1,149.55	56.91	21.200	
9,200.09	8,418.00	11,194.51	9,369.03	31.97	46.12	175.897	-1,038.32	802.78	1,206.51	1,149.60	56.91	21.201	
9,300.00	8,418.00	11,200.47	9,368.94	33.12	46.19	177.120	-1,044.28	802.92	1,268.33	1,209.21	59.13	21.452	
9,300.17	8,418.00	11,200.48	9,368.94	33.12	46.19	177.120	-1,044.28	802.92	1,268.45	1,209.32	59.13	21.452	
9,400.00	8,418.00	11,203.16	9,368.90	34.39	46.23	178.112	-1,046.96	802.98	1,334.95	1,273.91	61.04	21.870	
9,400.36	8,418.00	11,203.17	9,368.90	34.40	46.23	178.112	-1,046.97	802.98	1,335.19	1,274.15	61.05	21.872	
9,500.00	8,418.00	11,205.09	9,368.88	35.77	46.25	177.998	-1,048.89	803.02	1,405.54	1,342.84	62.70	22.417	
9,600.00	8,418.00	11,207.03	9,368.85	37.23	46.27	177.884	-1,050.83	803.06	1,479.53	1,415.39	64.14	23.068	
9,700.00	8,418.00	11,208.50	9,368.83	38.77	46.29	177.797	-1,052.30	803.10	1,556.42	1,491.04	65.38	23.805	
9,800.00	8,418.00	11,208.50	9,368.83	40.36	46.29	177.797	-1,052.30	803.10	1,635.81	1,569.36	66.45	24.617	
9,900.00	8,418.00	11,208.50	9,368.83	42.00	46.29	177.797	-1,052.30	803.10	1,717.36	1,649.99	67.37	25.490	
10,000.00	8,418.00	11,208.50	9,368.83	43.69	46.29	177.797	-1,052.30	803.10	1,800.77	1,732.60	68.17	26.415	
10,100.00	8,418.00	11,208.50	9,368.83	45.41	46.29	177.797	-1,052.30	803.10	1,885.79	1,816.92	68.87	27.382	
10,200.00	8,418.00	11,208.50	9,368.83	47.16	46.29	177.797	-1,052.30	803.10	1,972.22	1,902.74	69.48	28.387	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
10,300.00	8,418.00	11,208.50	9,368.83	48.94	46.29	177.797	-1,052.30	803.10	2,059.88	1,989.87	70.01	29.422	



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W03) LEAR STATE 002H - 38866 - (Gyro/MWD)													Offset Site Error: 0.00 usft
Survey Program: 100-GYRO-NS, 8768-MWD							Rule Assigned:						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)	Factor	
7,800.00	7,679.45	11,190.00	9,353.53	25.52	58.63	126.670	-954.24	-477.25	2,022.69	1,979.89	42.80	47.262	
7,900.00	7,779.36	11,190.00	9,353.53	25.85	58.63	124.355	-954.24	-477.25	1,940.89	1,897.49	43.40	44.724	
8,000.00	7,879.34	11,190.00	9,353.53	25.99	58.63	166.963	-954.24	-477.25	1,860.35	1,816.37	43.98	42.296	
8,100.00	7,978.13	11,190.00	9,353.53	26.30	58.63	169.002	-954.24	-477.25	1,790.69	1,745.84	44.85	39.926	
8,200.00	8,072.88	11,190.00	9,353.53	26.67	58.63	170.136	-954.24	-477.25	1,737.89	1,691.95	45.94	37.828	
8,300.00	8,160.71	11,190.00	9,353.53	27.06	58.63	170.715	-954.24	-477.25	1,705.20	1,657.99	47.21	36.122	
8,400.00	8,238.94	11,190.00	9,353.53	27.45	58.63	170.884	-954.24	-477.25	1,694.77	1,646.21	48.56	34.898	CC
8,400.00	8,238.94	11,190.00	9,353.53	27.45	58.63	170.884	-954.24	-477.25	1,694.77	1,646.21	48.56	34.898	ES
8,500.00	8,305.21	11,190.00	9,353.53	27.84	58.63	170.679	-954.24	-477.25	1,707.34	1,657.43	49.91	34.206	
8,500.22	8,305.34	11,190.00	9,353.53	27.84	58.63	170.679	-954.24	-477.25	1,707.39	1,657.48	49.92	34.206	
8,600.00	8,357.50	11,190.00	9,353.53	28.22	58.63	170.056	-954.24	-477.25	1,742.03	1,690.87	51.16	34.051	SF
8,700.00	8,394.21	11,190.00	9,353.53	28.61	58.63	168.857	-954.24	-477.25	1,796.56	1,744.33	52.23	34.397	
8,800.00	8,414.24	11,190.00	9,353.53	29.03	58.63	166.701	-954.24	-477.25	1,867.61	1,814.53	53.08	35.182	
8,900.00	8,418.00	11,190.00	9,353.53	29.51	58.63	165.453	-954.24	-477.25	1,950.91	1,897.20	53.71	36.322	
9,000.00	8,418.00	11,190.00	9,353.53	30.15	58.63	168.896	-954.24	-477.25	2,037.91	1,983.70	54.21	37.593	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 210-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,300.00	8,418.00	8,414.10	8,412.30	87.30	219.20	-90.200	642.50	5,796.58	2,023.28	1,730.00	293.29	6.899	
12,400.00	8,418.00	8,414.10	8,412.30	89.29	219.20	-90.200	642.50	5,796.58	1,966.57	1,669.85	296.72	6.628	
12,500.00	8,418.00	8,414.10	8,412.30	91.28	219.20	-90.199	642.50	5,796.58	1,913.41	1,613.18	300.23	6.373	
12,600.00	8,418.00	8,414.10	8,412.30	93.28	219.20	-90.199	642.50	5,796.58	1,864.11	1,560.32	303.78	6.136	
12,700.00	8,418.00	8,414.10	8,412.30	95.27	219.20	-90.199	642.50	5,796.58	1,818.96	1,511.62	307.35	5.918	
12,800.00	8,418.00	8,414.10	8,412.30	97.28	219.20	-90.199	642.50	5,796.58	1,778.31	1,467.43	310.88	5.720	
12,900.00	8,418.00	8,414.10	8,412.29	99.28	219.20	-90.199	642.50	5,796.58	1,742.44	1,428.11	314.33	5.543	
13,000.00	8,418.00	8,414.10	8,412.29	101.29	219.20	-90.199	642.50	5,796.58	1,711.68	1,394.03	317.65	5.389	
13,100.00	8,418.00	8,414.10	8,412.29	103.30	219.20	-90.199	642.50	5,796.58	1,686.30	1,365.51	320.79	5.257	
13,200.00	8,418.00	8,414.09	8,412.29	105.31	219.20	-90.199	642.50	5,796.58	1,666.53	1,342.85	323.68	5.149	
13,300.00	8,418.00	8,414.09	8,412.29	107.32	219.20	-90.199	642.50	5,796.58	1,652.60	1,326.31	326.29	5.065	
13,400.00	8,418.00	8,414.09	8,412.29	109.34	219.20	-90.199	642.50	5,796.58	1,644.63	1,316.08	328.55	5.006	
13,481.30	8,418.00	8,414.09	8,412.29	110.98	219.20	-90.199	642.50	5,796.58	1,642.62	1,312.50	330.12	4.976 CC	
13,500.00	8,418.00	8,414.09	8,412.29	111.36	219.20	-90.199	642.50	5,796.58	1,642.73	1,312.29	330.44	4.971 ES	
13,600.00	8,418.00	8,414.09	8,412.29	113.38	219.20	-90.199	642.50	5,796.58	1,646.90	1,314.97	331.94	4.962 SF	
13,700.00	8,418.00	8,414.09	8,412.29	115.40	219.20	-90.199	642.50	5,796.58	1,657.12	1,324.10	333.02	4.976	
13,800.00	8,418.00	8,414.09	8,412.29	117.42	219.20	-90.199	642.50	5,796.58	1,673.25	1,339.55	333.70	5.014	
13,900.00	8,418.00	8,414.09	8,412.28	119.44	219.20	-90.199	642.50	5,796.58	1,695.14	1,361.15	333.99	5.075	
14,000.00	8,418.00	8,414.09	8,412.28	121.47	219.20	-90.199	642.50	5,796.58	1,722.57	1,388.66	333.92	5.159	
14,100.00	8,418.00	8,414.08	8,412.28	123.50	219.20	-90.199	642.50	5,796.58	1,755.28	1,421.76	333.51	5.263	
14,200.00	8,418.00	8,414.08	8,412.28	125.53	219.20	-90.199	642.50	5,796.58	1,792.97	1,460.15	332.82	5.387	
14,300.00	8,418.00	8,414.08	8,412.28	127.56	219.20	-90.199	642.50	5,796.58	1,835.34	1,503.46	331.88	5.530	
14,400.00	8,418.00	8,414.08	8,412.28	129.59	219.20	-90.199	642.50	5,796.58	1,882.08	1,551.34	330.74	5.691	
14,500.00	8,418.00	8,414.08	8,412.28	131.62	219.20	-90.199	642.50	5,796.58	1,932.86	1,603.44	329.43	5.867	
14,600.00	8,418.00	8,414.08	8,412.28	133.65	219.20	-90.199	642.50	5,796.58	1,987.38	1,659.39	327.99	6.059	
14,700.00	8,418.00	8,414.08	8,412.28	135.69	219.20	-90.199	642.50	5,796.58	2,045.35	1,718.89	326.46	6.265	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)													Offset Site Error: 0.00 usft	
Survey Program: 400-INC-ONLY		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
14,100.00	8,418.00	8,420.25	8,419.08	123.50	194.88	-90.090	-672.27	8,446.48	2,052.36	1,823.53	228.83	8.969		
14,200.00	8,418.00	8,420.25	8,419.08	125.53	194.88	-90.090	-672.27	8,446.48	1,953.65	1,723.85	229.80	8.502		
14,300.00	8,418.00	8,420.25	8,419.08	127.56	194.88	-90.090	-672.27	8,446.48	1,855.07	1,624.19	230.88	8.035		
14,400.00	8,418.00	8,420.25	8,419.08	129.59	194.88	-90.090	-672.27	8,446.48	1,756.65	1,524.54	232.11	7.568		
14,500.00	8,418.00	8,420.25	8,419.08	131.62	194.88	-90.090	-672.27	8,446.48	1,658.43	1,424.92	233.51	7.102		
14,600.00	8,418.00	8,420.25	8,419.08	133.65	194.88	-90.090	-672.27	8,446.48	1,560.42	1,325.32	235.11	6.637		
14,700.00	8,418.00	8,420.25	8,419.08	135.69	194.88	-90.090	-672.27	8,446.48	1,462.69	1,225.75	236.95	6.173		
14,800.00	8,418.00	8,420.25	8,419.08	137.72	194.88	-90.090	-672.27	8,446.48	1,365.29	1,126.21	239.08	5.711		
14,900.00	8,418.00	8,420.25	8,419.08	139.76	194.88	-90.089	-672.27	8,446.48	1,268.29	1,026.72	241.57	5.250		
15,000.00	8,418.00	8,420.25	8,419.08	141.80	194.88	-90.089	-672.27	8,446.48	1,171.80	927.28	244.52	4.792		
15,100.00	8,418.00	8,420.25	8,419.08	143.84	194.88	-90.089	-672.27	8,446.48	1,075.94	827.91	248.03	4.338		
15,200.00	8,418.00	8,420.25	8,419.08	145.88	194.88	-90.089	-672.27	8,446.48	980.92	728.66	252.26	3.889		
15,300.00	8,418.00	8,420.25	8,419.08	147.92	194.88	-90.089	-672.27	8,446.48	886.98	629.57	257.41	3.446		
15,400.00	8,418.00	8,420.25	8,419.08	149.96	194.88	-90.089	-672.27	8,446.48	794.54	530.76	263.78	3.012		
15,500.00	8,418.00	8,420.25	8,419.08	152.00	194.88	-90.089	-672.27	8,446.48	704.15	432.43	271.73	2.591		
15,600.00	8,418.00	8,420.25	8,419.08	154.04	194.88	-90.089	-672.27	8,446.48	616.75	334.99	281.76	2.189		
15,700.00	8,418.00	8,420.25	8,419.08	156.08	194.88	-90.089	-672.27	8,446.48	533.78	239.30	294.48	1.813	Level 3	
15,800.00	8,418.00	8,420.24	8,419.08	158.13	194.88	-90.089	-672.27	8,446.48	457.68	147.30	310.38	1.475	Level 3	
15,900.00	8,418.00	8,420.24	8,419.07	160.17	194.88	-90.089	-672.27	8,446.48	392.45	63.34	329.11	1.192	Level 3	
16,000.00	8,418.00	8,420.24	8,419.07	162.22	194.88	-90.089	-672.27	8,446.48	344.33	-3.35	347.68	0.990	Level 3	
16,100.00	8,418.00	8,420.24	8,419.07	164.26	194.88	-90.088	-672.27	8,446.48	321.10	-37.82	358.92	0.895	Level 3	
16,127.27	8,418.00	8,420.24	8,419.07	164.82	194.88	-90.088	-672.27	8,446.48	319.94	-39.70	359.64	0.890	Level 3, CC, ES, SF	
16,200.00	8,418.00	8,420.24	8,419.07	166.31	194.88	-90.088	-672.27	8,446.48	328.11	-27.89	356.00	0.922	Level 3	
16,300.00	8,418.00	8,420.24	8,419.07	168.36	194.88	-90.088	-672.27	8,446.48	363.59	22.44	341.15	1.066	Level 3	
16,400.00	8,418.00	8,420.24	8,419.07	170.40	194.88	-90.088	-672.27	8,446.48	420.41	97.96	322.45	1.304	Level 3	
16,500.00	8,418.00	8,420.24	8,419.07	172.45	194.88	-90.088	-672.27	8,446.48	491.21	185.98	305.24	1.609	Level 3	
16,600.00	8,418.00	8,420.24	8,419.07	174.50	194.88	-90.088	-672.27	8,446.48	570.82	279.74	291.08	1.961	Level 3	
16,700.00	8,418.00	8,420.24	8,419.07	176.55	194.88	-90.088	-672.27	8,446.48	656.04	376.18	279.86	2.344		
16,800.00	8,418.00	8,420.24	8,419.07	178.60	194.88	-90.088	-672.27	8,446.48	744.93	473.94	271.00	2.749		
16,900.00	8,418.00	8,420.24	8,419.07	180.65	194.88	-90.088	-672.27	8,446.48	836.35	572.38	263.97	3.168		
17,000.00	8,418.00	8,420.24	8,419.07	182.70	194.88	-90.088	-672.27	8,446.48	929.53	671.20	258.33	3.598		
17,100.00	8,418.00	8,420.24	8,419.07	184.75	194.88	-90.088	-672.27	8,446.48	1,023.99	770.25	253.75	4.035		
17,200.00	8,418.00	8,420.24	8,419.07	186.80	194.88	-90.087	-672.27	8,446.48	1,119.42	869.43	250.00	4.478		
17,300.00	8,418.00	8,420.24	8,419.07	188.85	194.88	-90.087	-672.27	8,446.48	1,215.59	968.70	246.89	4.924		
17,400.00	8,418.00	8,420.24	8,419.07	190.90	194.88	-90.087	-672.27	8,446.48	1,312.33	1,068.04	244.29	5.372		
17,500.00	8,418.00	8,420.24	8,419.07	192.96	194.88	-90.087	-672.27	8,446.48	1,409.52	1,167.42	242.10	5.822		
17,600.00	8,418.00	8,420.24	8,419.07	195.01	194.88	-90.087	-672.27	8,446.48	1,507.08	1,266.84	240.24	6.273		
17,700.00	8,418.00	8,420.24	8,419.07	197.06	194.88	-90.087	-672.27	8,446.48	1,604.94	1,366.29	238.66	6.725		
17,800.00	8,418.00	8,420.24	8,419.07	199.12	194.88	-90.087	-672.27	8,446.48	1,703.05	1,465.76	237.30	7.177		
17,900.00	8,418.00	8,420.23	8,419.07	201.17	194.88	-90.087	-672.27	8,446.48	1,801.37	1,565.25	236.12	7.629		
18,000.00	8,418.00	8,420.23	8,419.06	203.22	194.88	-90.087	-672.27	8,446.48	1,899.86	1,664.75	235.11	8.081		
18,100.00	8,418.00	8,420.23	8,419.06	205.28	194.88	-90.087	-672.27	8,446.48	1,998.51	1,764.28	234.23	8.532		

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W12) HULKSTER 005 - 39572 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 235-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		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	4.58	4.58	0.00	0.10	14.701	1,950.32	511.68	2,016.33				
100.00	100.00	104.58	104.58	0.79	2.20	14.701	1,950.32	511.68	2,016.33	2,013.34	2.98	675.710	
200.00	200.00	204.58	204.58	1.45	4.30	14.701	1,950.32	511.68	2,016.33	2,010.58	5.75	350.876	
300.00	300.00	304.58	304.58	1.89	6.38	14.701	1,950.32	511.68	2,016.33	2,008.05	8.27	243.713	
400.00	400.00	407.00	406.99	2.25	8.50	14.699	1,950.59	511.68	2,016.59	2,005.83	10.76	187.460	
500.00	500.00	504.60	504.58	2.57	10.52	14.701	1,950.32	511.68	2,016.33	2,003.24	13.09	154.029	
600.00	600.00	604.60	604.58	2.85	12.40	14.701	1,950.32	511.68	2,016.33	2,001.08	15.25	132.228	
700.00	700.00	715.43	715.40	3.11	14.48	14.700	1,950.43	511.68	2,016.46	1,998.87	17.59	114.658	
727.98	727.98	746.91	746.88	3.18	15.07	14.701	1,950.23	511.68	2,016.29	1,998.04	18.24	110.515 CC	
800.00	800.00	804.61	804.58	3.35	16.19	14.701	1,950.32	511.68	2,016.33	1,996.79	19.54	103.208	
900.00	900.00	909.99	909.95	3.58	18.22	14.700	1,950.47	511.68	2,016.47	1,994.68	21.79	92.532	
1,000.00	1,000.00	1,004.63	1,004.58	3.79	20.12	14.701	1,950.32	511.68	2,016.33	1,992.42	23.91	84.339	
1,100.00	1,100.00	1,112.82	1,112.76	3.99	22.36	14.698	1,950.69	511.68	2,016.70	1,990.35	26.35	76.537	
1,200.00	1,200.00	1,204.67	1,204.58	4.19	24.21	14.701	1,950.32	511.68	2,016.33	1,987.92	28.40	70.989	
1,300.00	1,300.00	1,304.76	1,304.67	4.38	26.16	14.696	1,950.91	511.68	2,016.89	1,986.35	30.54	66.038	
1,400.00	1,400.00	1,419.34	1,419.25	4.56	28.39	14.700	1,950.47	511.68	2,016.53	1,983.57	32.95	61.192	
1,473.98	1,473.98	1,478.66	1,478.56	4.69	29.43	14.701	1,950.32	511.68	2,016.33	1,982.20	34.12	59.087	
1,500.00	1,500.00	1,504.68	1,504.58	4.74	29.86	14.701	1,950.32	511.68	2,016.33	1,981.72	34.60	58.270	
1,600.00	1,600.00	1,604.69	1,604.58	4.91	31.57	14.701	1,950.32	511.68	2,016.33	1,979.85	36.48	55.276	
1,700.00	1,700.00	1,704.69	1,704.58	5.08	33.47	14.701	1,950.32	511.68	2,016.33	1,977.78	38.55	52.300	
1,800.00	1,800.00	1,805.47	1,805.37	5.24	35.40	14.699	1,950.52	511.68	2,016.52	1,975.88	40.64	49.620	
1,805.09	1,805.09	1,810.69	1,810.58	5.25	35.50	104.699	1,950.51	511.68	2,016.51	1,975.77	40.75	49.490	
1,900.00	1,899.98	1,907.83	1,907.72	5.48	37.35	104.742	1,950.41	511.68	2,016.86	1,974.11	42.75	47.182	
2,000.00	1,999.92	2,004.61	2,004.50	5.63	39.17	104.836	1,950.32	511.68	2,017.66	1,972.96	44.70	45.137	
2,100.00	2,099.86	2,106.99	2,106.89	5.80	41.06	104.933	1,950.39	511.68	2,018.63	1,971.90	46.73	43.197	
2,200.00	2,199.80	2,204.50	2,204.38	5.97	42.95	105.027	1,950.32	511.68	2,019.46	1,970.70	48.76	41.417	
2,300.00	2,299.74	2,304.44	2,304.32	6.15	44.96	105.123	1,950.32	511.68	2,020.37	1,969.47	50.90	39.692	
2,400.00	2,399.68	2,416.18	2,416.05	6.35	47.20	105.227	1,950.68	511.68	2,021.67	1,968.39	53.28	37.945	
2,500.00	2,499.61	2,504.34	2,504.19	6.55	49.16	105.313	1,950.32	511.68	2,022.20	1,966.84	55.37	36.523	
2,600.00	2,599.57	2,604.30	2,604.15	6.77	51.63	171.758	1,950.32	511.68	2,024.03	1,966.06	57.97	34.915 ES	
2,700.00	2,699.50	2,704.23	2,704.08	6.94	54.10	-150.383	1,950.32	511.68	2,027.67	1,967.06	60.61	33.454	
2,800.00	2,799.26	2,805.54	2,805.38	7.01	56.60	-138.855	1,950.93	511.68	2,033.72	1,970.43	63.29	32.134	
2,900.00	2,898.74	2,908.09	2,907.93	7.07	59.14	-133.856	1,950.77	511.68	2,040.85	1,974.85	66.00	30.920	
3,000.00	2,997.82	3,010.26	3,010.11	7.14	61.66	-131.181	1,950.45	511.68	2,049.69	1,980.98	68.72	29.829	
3,100.00	3,096.38	3,101.16	3,100.96	7.26	63.79	-129.551	1,950.32	511.68	2,060.57	1,989.52	71.05	29.004 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 (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)													Offset Site Error:
Survey Program: 229-INC-ONLY													Offset Well Error:
Rule Assigned:													Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.58	0.58	0.00	0.01	-51.900	629.38	-802.66	1,019.99				
100.00	100.00	100.58	100.58	0.79	2.08	-51.900	629.38	-802.66	1,019.99	1,017.13	2.86	356.038	
200.00	200.00	200.58	200.58	1.45	4.15	-51.900	629.38	-802.66	1,019.99	1,014.40	5.59	182.386	
300.00	300.00	300.59	300.58	1.89	6.10	-51.900	629.38	-802.66	1,019.99	1,012.00	8.00	127.564	
400.00	400.00	403.64	403.62	2.25	8.08	-51.893	629.53	-802.66	1,020.09	1,009.76	10.33	98.746	
495.32	495.32	495.92	495.90	2.55	10.40	-51.900	629.38	-802.66	1,019.99	1,007.04	12.95	78.753	
500.00	500.00	500.60	500.58	2.57	10.53	-51.900	629.38	-802.66	1,019.99	1,006.90	13.10	77.890	
600.00	600.00	600.60	600.58	2.85	13.28	-51.900	629.38	-802.66	1,019.99	1,003.86	16.13	63.221	
700.00	700.00	700.94	700.92	3.11	16.05	-51.877	629.90	-802.66	1,020.31	1,001.15	19.16	53.257	
800.00	800.00	802.10	802.08	3.35	18.84	-51.883	629.75	-802.66	1,020.22	998.04	22.19	45.982	
900.00	900.00	903.26	903.24	3.58	21.63	-51.898	629.42	-802.66	1,020.02	994.82	25.20	40.473	
941.87	941.87	942.48	942.45	3.67	22.53	-51.900	629.38	-802.66	1,019.99	993.80	26.19	38.945	
1,000.00	1,000.00	1,000.61	1,000.58	3.79	23.78	-51.900	629.38	-802.66	1,019.99	992.42	27.57	36.998	
1,100.00	1,100.00	1,100.61	1,100.58	3.99	25.94	-51.900	629.38	-802.66	1,019.99	990.06	29.93	34.080	
1,200.00	1,200.00	1,200.83	1,200.80	4.19	28.10	-51.888	629.64	-802.66	1,020.16	987.87	32.29	31.596	
1,300.00	1,300.00	1,301.39	1,301.36	4.38	30.26	-51.891	629.56	-802.66	1,020.11	985.46	34.64	29.445	
1,400.00	1,400.00	1,401.95	1,401.92	4.56	32.43	-51.899	629.39	-802.66	1,020.00	983.01	37.00	27.571	
1,439.50	1,439.50	1,440.12	1,440.08	4.63	33.22	-51.900	629.38	-802.66	1,019.99	982.14	37.85	26.945	
1,500.00	1,500.00	1,500.61	1,500.58	4.74	34.46	-51.900	629.38	-802.66	1,019.99	980.79	39.20	26.019	
1,600.00	1,600.00	1,600.61	1,600.58	4.91	36.51	-51.900	629.38	-802.66	1,019.99	978.57	41.42	24.625	
1,700.00	1,700.00	1,700.85	1,700.82	5.08	38.56	-51.888	629.64	-802.66	1,020.16	976.51	43.64	23.376	
1,800.00	1,800.00	1,801.41	1,801.38	5.24	40.62	-51.892	629.56	-802.66	1,020.10	974.24	45.86	22.241	
1,900.00	1,899.98	1,901.95	1,901.91	5.48	42.68	38.180	629.39	-802.66	1,018.63	970.50	48.13	21.164	
2,000.00	1,999.92	2,000.55	2,000.50	5.63	44.78	38.300	629.38	-802.66	1,015.88	965.50	50.38	20.166	
2,100.00	2,099.86	2,100.49	2,100.44	5.80	46.91	38.422	629.38	-802.66	1,013.14	960.48	52.66	19.240	
2,200.00	2,199.80	2,200.93	2,200.87	5.97	49.06	38.583	630.23	-802.66	1,010.94	955.98	54.96	18.394	
2,300.00	2,299.74	2,302.47	2,302.40	6.15	51.22	38.700	630.02	-802.66	1,008.08	950.80	57.29	17.596	
2,400.00	2,399.68	2,404.01	2,403.94	6.35	53.39	38.805	629.56	-802.66	1,005.08	945.45	59.62	16.857	
2,500.00	2,499.61	2,500.29	2,500.19	6.55	55.35	38.918	629.38	-802.66	1,002.24	940.48	61.76	16.227	
2,578.71	2,578.30	2,578.98	2,578.88	6.72	56.92	90.000	629.38	-802.66	1,001.17	937.69	63.48	15.772 CC	
2,600.00	2,599.57	2,600.25	2,600.15	6.77	57.35	105.419	629.38	-802.66	1,001.24	937.30	63.94	15.658 ES	
2,700.00	2,699.50	2,700.81	2,700.71	6.94	59.36	143.440	630.12	-802.66	1,004.18	938.13	66.05	15.204	
2,800.00	2,799.26	2,802.43	2,802.32	7.01	61.39	155.163	629.88	-802.66	1,009.96	941.81	68.16	14.818	
2,900.00	2,898.74	2,899.48	2,899.32	7.07	63.33	160.404	629.38	-802.66	1,019.04	948.85	70.20	14.517	
3,000.00	2,997.82	2,998.56	2,998.40	7.14	65.44	163.412	629.38	-802.66	1,031.90	959.47	72.43	14.248	
3,100.00	3,096.38	3,097.11	3,096.96	7.26	67.54	165.393	629.38	-802.66	1,048.20	973.53	74.67	14.038	
3,200.00	3,194.29	3,196.15	3,195.99	7.46	69.65	166.874	630.44	-802.66	1,068.62	991.67	76.95	13.888	
3,300.00	3,291.66	3,296.04	3,295.87	7.63	71.77	167.386	630.10	-802.66	1,090.65	1,011.48	79.17	13.776	
3,400.00	3,389.00	3,396.03	3,395.85	7.85	73.90	167.622	629.42	-802.66	1,112.61	1,031.14	81.46	13.658	
3,500.00	3,486.35	3,487.16	3,486.93	8.09	75.88	167.852	629.38	-802.66	1,134.97	1,051.33	83.64	13.570	
3,600.00	3,583.69	3,584.50	3,584.27	8.35	78.01	168.091	629.38	-802.66	1,157.39	1,071.42	85.98	13.462	
3,700.00	3,681.03	3,682.73	3,682.49	8.62	80.15	168.362	630.45	-802.66	1,180.55	1,092.19	88.36	13.361	
3,800.00	3,778.37	3,782.92	3,782.67	8.91	82.33	168.577	630.16	-802.66	1,202.83	1,112.02	90.81	13.246	
3,900.00	3,875.71	3,883.25	3,883.00	9.21	84.52	168.773	629.52	-802.66	1,224.89	1,131.62	93.28	13.132	
4,000.00	3,973.05	3,973.96	3,973.63	9.53	86.34	168.958	629.38	-802.66	1,247.27	1,151.88	95.39	13.075	
4,100.00	4,070.40	4,071.30	4,070.98	9.86	88.25	169.156	629.38	-802.66	1,269.78	1,172.17	97.62	13.008	
4,200.00	4,167.74	4,174.31	4,173.96	10.20	90.27	169.378	629.99	-802.66	1,292.73	1,192.76	99.97	12.931	
4,300.00	4,265.08	4,266.04	4,265.66	10.54	92.08	169.531	629.38	-802.66	1,314.84	1,212.72	102.12	12.876	
4,400.00	4,362.42	4,363.38	4,363.00	10.90	94.03	169.709	629.38	-802.66	1,337.39	1,232.97	104.42	12.808	
4,500.00	4,459.76	4,460.72	4,460.34	11.27	95.98	169.882	629.38	-802.66	1,359.95	1,253.22	106.74	12.741	
4,600.00	4,557.10	4,559.82	4,559.44	11.65	97.96	170.074	630.12	-802.66	1,383.03	1,273.93	109.10	12.677	
4,700.00	4,654.45	4,659.79	4,659.39	12.03	99.96	170.229	629.80	-802.66	1,405.40	1,293.92	111.48	12.606	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 229-INC-ONLY												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			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	4,751.79	4,752.79	4,752.37	12.42	101.83	170.366	629.38	-802.66	1,427.70	1,313.97	113.73	12.553	
4,900.00	4,849.13	4,850.13	4,849.71	12.82	103.77	170.517	629.38	-802.66	1,450.30	1,334.22	116.08	12.494	
5,000.00	4,946.47	4,947.47	4,947.05	13.22	105.72	170.664	629.38	-802.66	1,472.91	1,354.48	118.43	12.437	
5,100.00	5,043.81	5,046.55	5,046.12	13.63	107.70	170.830	630.14	-802.66	1,496.06	1,375.23	120.82	12.382	
5,200.00	5,141.15	5,146.74	5,146.31	14.04	109.71	170.963	629.84	-802.66	1,518.49	1,395.24	123.25	12.321	
5,300.00	5,238.50	5,239.54	5,239.08	14.46	111.57	171.078	629.38	-802.66	1,540.80	1,415.27	125.52	12.275	
5,400.00	5,335.84	5,336.88	5,336.42	14.88	113.58	171.208	629.38	-802.66	1,563.44	1,435.49	127.95	12.219	
5,500.00	5,433.18	5,434.23	5,433.76	15.30	115.58	171.334	629.38	-802.66	1,586.10	1,455.71	130.39	12.164	
5,600.00	5,530.52	5,533.21	5,532.74	15.73	117.62	171.479	630.15	-802.66	1,609.30	1,476.43	132.86	12.112	
5,700.00	5,627.86	5,633.64	5,633.16	16.16	119.69	171.595	629.87	-802.66	1,631.77	1,496.40	135.37	12.054	
5,800.00	5,725.20	5,726.31	5,725.78	16.60	121.60	171.693	629.38	-802.66	1,654.09	1,516.38	137.71	12.011	
5,900.00	5,822.55	5,823.65	5,823.13	17.03	123.60	171.806	629.38	-802.66	1,676.77	1,536.62	140.16	11.963	
6,000.00	5,919.89	5,920.99	5,920.47	17.47	125.61	171.916	629.38	-802.66	1,699.46	1,556.85	142.61	11.917	
6,100.00	6,017.23	6,020.33	6,019.80	17.92	127.65	172.050	630.42	-802.66	1,722.89	1,577.79	145.10	11.874	
6,200.00	6,114.57	6,122.17	6,121.63	18.36	129.75	172.151	630.07	-802.66	1,745.35	1,597.70	147.65	11.820	
6,300.00	6,211.91	6,224.15	6,223.60	18.81	131.85	172.240	629.36	-802.66	1,767.57	1,617.36	150.21	11.767	
6,400.00	6,309.25	6,310.42	6,309.83	19.26	133.74	172.328	629.38	-802.66	1,790.26	1,637.71	152.54	11.736	
6,500.00	6,406.60	6,407.76	6,407.18	19.71	135.88	172.425	629.38	-802.66	1,812.97	1,657.83	155.13	11.686	
6,600.00	6,503.94	6,506.28	6,505.70	20.16	138.04	172.538	630.18	-802.66	1,836.26	1,678.50	157.76	11.640	
6,700.00	6,601.28	6,607.17	6,606.58	20.61	140.25	172.628	629.96	-802.66	1,858.83	1,698.39	160.43	11.586	
6,800.00	6,698.62	6,708.16	6,707.56	21.07	142.47	172.710	629.47	-802.66	1,881.21	1,718.10	163.12	11.533	
6,900.00	6,795.96	6,797.23	6,796.54	21.52	144.58	172.788	629.38	-802.66	1,903.86	1,738.18	165.68	11.491	
7,000.00	6,893.31	6,894.57	6,893.89	21.98	146.93	172.873	629.38	-802.66	1,926.60	1,758.11	168.48	11.435	
7,100.00	6,990.65	6,993.63	6,992.93	22.44	149.31	172.992	630.99	-802.66	1,950.50	1,779.16	171.34	11.384	
7,200.00	7,087.99	7,098.94	7,098.22	22.90	151.85	173.071	630.57	-802.66	1,972.96	1,798.61	174.35	11.316	
7,300.00	7,185.33	7,204.48	7,203.75	23.36	154.39	173.136	629.56	-802.66	1,995.03	1,817.67	177.37	11.248	
7,400.00	7,283.03	7,284.46	7,283.61	23.84	156.32	173.240	629.38	-802.66	2,016.00	1,836.25	179.75	11.216	
7,500.00	7,381.40	7,382.84	7,381.98	24.29	158.71	173.341	629.38	-802.66	2,033.78	1,851.19	182.60	11.138	
7,600.00	7,480.35	7,482.87	7,482.00	24.73	161.14	173.454	631.01	-802.66	2,049.33	1,863.86	185.47	11.049	
7,700.00	7,579.74	7,590.74	7,589.86	25.14	163.76	173.508	630.63	-802.66	2,060.00	1,871.48	188.52	10.927 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 (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-17.384	1,948.88	-610.14	2,042.17				
100.00	100.00	92.58	92.58	0.79	2.65	-17.384	1,948.88	-610.14	2,042.15	2,038.72	3.44	594.263	
200.00	200.00	192.58	192.58	1.45	5.51	-17.384	1,948.88	-610.14	2,042.15	2,035.19	6.96	293.406	
300.00	300.00	292.58	292.58	1.89	8.38	-17.384	1,948.88	-610.14	2,042.15	2,031.88	10.27	198.866	
400.00	400.00	392.58	392.58	2.25	11.24	-17.384	1,948.88	-610.14	2,042.15	2,028.66	13.49	151.335	
500.00	500.00	492.59	492.58	2.57	13.94	-17.384	1,948.88	-610.14	2,042.15	2,025.64	16.51	123.695	
600.00	600.00	592.59	592.58	2.85	16.62	-17.384	1,948.88	-610.14	2,042.15	2,022.68	19.47	104.889	
700.00	700.00	693.23	693.22	3.11	19.32	-17.379	1,949.46	-610.14	2,042.71	2,020.28	22.42	91.096	
800.00	800.00	796.51	796.50	3.35	22.08	-17.380	1,949.34	-610.14	2,042.60	2,017.17	25.43	80.321	
900.00	900.00	899.80	899.78	3.58	24.85	-17.383	1,949.04	-610.14	2,042.32	2,013.90	28.42	71.855	
1,000.00	1,000.00	992.61	992.58	3.79	27.01	-17.384	1,948.88	-610.14	2,042.15	2,011.35	30.80	66.297	
1,100.00	1,100.00	1,092.61	1,092.58	3.99	29.07	-17.384	1,948.88	-610.14	2,042.15	2,009.09	33.07	61.761	
1,200.00	1,200.00	1,192.68	1,192.65	4.19	31.13	-17.379	1,949.42	-610.14	2,042.67	2,007.35	35.32	57.831	
1,300.00	1,300.00	1,296.21	1,296.19	4.38	33.26	-17.380	1,949.32	-610.14	2,042.58	2,004.94	37.64	54.265	
1,400.00	1,400.00	1,399.75	1,399.72	4.56	35.39	-17.383	1,949.04	-610.14	2,042.32	2,002.37	39.95	51.117	
1,500.00	1,500.00	1,492.64	1,492.58	4.74	37.32	-17.384	1,948.88	-610.14	2,042.15	2,000.09	42.06	48.552	
1,600.00	1,600.00	1,592.64	1,592.58	4.91	39.41	-17.384	1,948.88	-610.14	2,042.15	1,997.83	44.33	46.072	
1,700.00	1,700.00	1,692.72	1,692.66	5.08	41.51	-17.377	1,949.70	-610.14	2,042.94	1,996.35	46.59	43.852	
1,800.00	1,800.00	1,798.09	1,798.03	5.24	43.71	-17.378	1,949.55	-610.14	2,042.80	1,993.85	48.96	41.727	
1,900.00	1,899.98	1,903.44	1,903.37	5.48	45.92	72.685	1,949.11	-610.14	2,041.88	1,990.57	51.32	39.789	
2,000.00	1,999.92	1,992.61	1,992.50	5.63	47.89	72.766	1,948.88	-610.14	2,040.60	1,987.17	53.43	38.192	
2,100.00	2,099.86	2,092.55	2,092.44	5.80	50.20	72.860	1,948.88	-610.14	2,039.56	1,983.69	55.87	36.505	
2,200.00	2,199.80	2,192.49	2,192.38	5.97	52.50	72.953	1,948.88	-610.14	2,038.54	1,980.23	58.31	34.959	
2,300.00	2,299.74	2,299.64	2,299.51	6.15	54.97	73.061	1,949.78	-610.14	2,038.39	1,977.47	60.92	33.461	
2,400.00	2,399.68	2,406.86	2,406.72	6.35	57.45	73.157	1,949.18	-610.14	2,036.85	1,973.32	63.52	32.064	
2,500.00	2,499.61	2,492.46	2,492.19	6.55	59.56	73.235	1,948.88	-610.14	2,035.49	1,969.72	65.77	30.947	
2,532.32	2,531.91	2,524.76	2,524.49	6.62	60.40	89.997	1,948.88	-610.14	2,035.33	1,968.67	66.66	30.535 CC	
2,600.00	2,599.57	2,592.42	2,592.15	6.77	62.15	139.672	1,948.88	-610.14	2,036.04	1,967.53	68.50	29.722 ES	
2,700.00	2,699.50	2,692.34	2,692.08	6.94	64.75	177.561	1,948.88	-610.14	2,039.70	1,968.50	71.21	28.645	
2,800.00	2,799.26	2,798.38	2,798.07	7.01	67.50	-170.823	1,951.01	-610.14	2,048.54	1,974.43	74.11	27.642	
2,900.00	2,898.74	2,909.38	2,909.06	7.07	70.39	-165.731	1,950.34	-610.14	2,057.85	1,980.69	77.17	26.668 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 (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 400-INC-ONLY												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,600.00	8,418.00	8,421.44	8,418.91	37.23	204.86	-90.185	639.22	3,158.79	2,063.88	1,827.50	236.38	8.731	
9,700.00	8,418.00	8,421.44	8,418.91	38.77	204.86	-90.185	639.22	3,158.79	2,005.22	1,766.87	238.35	8.413	
9,800.00	8,418.00	8,421.44	8,418.90	40.36	204.86	-90.185	639.22	3,158.79	1,949.93	1,709.48	240.44	8.110	
9,900.00	8,418.00	8,421.44	8,418.90	42.00	204.86	-90.185	639.22	3,158.79	1,898.29	1,655.66	242.63	7.824	
10,000.00	8,418.00	8,421.44	8,418.90	43.69	204.86	-90.185	639.22	3,158.79	1,850.62	1,605.72	244.91	7.556	
10,100.00	8,418.00	8,421.44	8,418.90	45.41	204.86	-90.185	639.22	3,158.79	1,807.24	1,559.99	247.25	7.309	
10,200.00	8,418.00	8,421.43	8,418.90	47.16	204.86	-90.185	639.22	3,158.79	1,768.45	1,518.82	249.63	7.084	
10,300.00	8,418.00	8,421.43	8,418.90	48.94	204.86	-90.185	639.22	3,158.79	1,734.56	1,482.54	252.03	6.882	
10,400.00	8,418.00	8,421.43	8,418.90	50.74	204.86	-90.185	639.22	3,158.79	1,705.87	1,451.47	254.40	6.705	
10,500.00	8,418.00	8,421.43	8,418.90	52.57	204.86	-90.185	639.22	3,158.79	1,682.65	1,425.92	256.72	6.554	
10,600.00	8,418.00	8,421.43	8,418.90	54.41	204.86	-90.185	639.22	3,158.79	1,665.11	1,406.16	258.95	6.430	
10,700.00	8,418.00	8,421.43	8,418.89	56.26	204.86	-90.185	639.22	3,158.79	1,653.45	1,392.39	261.06	6.334	
10,800.00	8,418.00	8,421.43	8,418.89	58.14	204.86	-90.185	639.22	3,158.79	1,647.78	1,384.77	263.02	6.265	
10,843.52	8,418.00	8,421.43	8,418.89	58.96	204.86	-90.185	639.22	3,158.79	1,647.21	1,383.40	263.81	6.244 CC	
10,900.00	8,418.00	8,421.43	8,418.89	60.02	204.86	-90.185	639.22	3,158.79	1,648.18	1,383.39	264.79	6.225 ES	
11,000.00	8,418.00	8,421.43	8,418.89	61.92	204.86	-90.185	639.22	3,158.79	1,654.63	1,388.27	266.35	6.212 SF	
11,100.00	8,418.00	8,421.43	8,418.89	63.83	204.86	-90.185	639.22	3,158.79	1,667.06	1,399.35	267.70	6.227	
11,200.00	8,418.00	8,421.42	8,418.89	65.75	204.86	-90.185	639.22	3,158.79	1,685.34	1,416.51	268.83	6.269	
11,300.00	8,418.00	8,421.42	8,418.89	67.67	204.86	-90.185	639.22	3,158.79	1,709.29	1,439.56	269.74	6.337	
11,400.00	8,418.00	8,421.42	8,418.89	69.61	204.86	-90.185	639.22	3,158.79	1,738.67	1,468.24	270.43	6.429	
11,500.00	8,418.00	8,421.42	8,418.89	71.55	204.86	-90.185	639.22	3,158.79	1,773.21	1,502.29	270.92	6.545	
11,600.00	8,418.00	8,421.42	8,418.89	73.50	204.86	-90.185	639.22	3,158.79	1,812.61	1,541.39	271.23	6.683	
11,700.00	8,418.00	8,421.42	8,418.88	75.46	204.86	-90.184	639.22	3,158.79	1,856.57	1,585.20	271.37	6.841	
11,800.00	8,418.00	8,421.42	8,418.88	77.42	204.86	-90.184	639.22	3,158.79	1,904.77	1,633.40	271.37	7.019	
11,900.00	8,418.00	8,421.42	8,418.88	79.38	204.86	-90.184	639.22	3,158.79	1,956.90	1,685.65	271.25	7.214	
12,000.00	8,418.00	8,421.42	8,418.88	81.36	204.86	-90.184	639.22	3,158.79	2,012.65	1,741.62	271.03	7.426	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth Only)													Offset Site Error:	0.00 usft
Survey Program: 5482-BLIND - TREND													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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	70.944	634.74	1,837.58	1,944.36					
100.00	100.00	69.58	69.58	0.79	7.38	70.944	634.74	1,837.58	1,944.12	1,935.96	8.16	238.211		
200.00	200.00	169.58	169.58	1.45	17.98	70.944	634.74	1,837.58	1,944.12	1,924.70	19.42	100.100		
300.00	300.00	269.58	269.58	1.89	28.58	70.944	634.74	1,837.58	1,944.12	1,913.65	30.47	63.810		
400.00	400.00	369.58	369.58	2.25	39.18	70.944	634.74	1,837.58	1,944.12	1,902.69	41.43	46.926		
500.00	500.00	469.58	469.58	2.57	49.78	70.944	634.74	1,837.58	1,944.12	1,891.78	52.34	37.142		
600.00	600.00	569.58	569.58	2.85	60.38	70.944	634.74	1,837.58	1,944.12	1,880.89	63.23	30.749		
700.00	700.00	669.58	669.58	3.11	70.98	70.944	634.74	1,837.58	1,944.12	1,870.04	74.08	26.242		
800.00	800.00	769.58	769.58	3.35	81.58	70.944	634.74	1,837.58	1,944.12	1,859.19	84.92	22.892		
900.00	900.00	869.58	869.58	3.58	92.18	70.944	634.74	1,837.58	1,944.12	1,848.37	95.75	20.304		
1,000.00	1,000.00	969.58	969.58	3.79	102.78	70.944	634.74	1,837.58	1,944.12	1,837.55	106.57	18.243		
1,100.00	1,100.00	1,069.58	1,069.58	3.99	113.38	70.944	634.74	1,837.58	1,944.12	1,826.75	117.37	16.564		
1,200.00	1,200.00	1,169.58	1,169.58	4.19	123.98	70.944	634.74	1,837.58	1,944.12	1,815.95	128.17	15.169		
1,300.00	1,300.00	1,269.58	1,269.58	4.38	134.58	70.944	634.74	1,837.58	1,944.12	1,805.16	138.96	13.991		
1,400.00	1,400.00	1,369.58	1,369.58	4.56	145.18	70.944	634.74	1,837.58	1,944.12	1,794.38	149.74	12.983		
1,500.00	1,500.00	1,469.58	1,469.58	4.74	155.78	70.944	634.74	1,837.58	1,944.12	1,783.60	160.52	12.112		
1,600.00	1,600.00	1,569.58	1,569.58	4.91	166.38	70.944	634.74	1,837.58	1,944.12	1,772.83	171.29	11.350		
1,700.00	1,700.00	1,669.58	1,669.58	5.08	176.98	70.944	634.74	1,837.58	1,944.12	1,762.06	182.05	10.679		
1,800.00	1,800.00	1,769.58	1,769.58	5.24	187.58	70.944	634.74	1,837.58	1,944.12	1,751.30	192.82	10.083		
1,900.00	1,899.98	1,869.56	1,869.56	5.48	198.17	160.950	634.74	1,837.58	1,945.77	1,742.12	203.65	9.555		
2,000.00	1,999.92	1,969.50	1,969.50	5.63	208.77	160.984	634.74	1,837.58	1,949.07	1,734.68	214.39	9.091		
2,100.00	2,099.86	2,069.44	2,069.44	5.80	219.36	161.017	634.74	1,837.58	1,952.37	1,727.23	225.14	8.672		
2,200.00	2,199.80	2,169.38	2,169.38	5.97	229.95	161.050	634.74	1,837.58	1,955.67	1,719.76	235.90	8.290		
2,300.00	2,299.74	2,269.32	2,269.32	6.15	240.55	161.083	634.74	1,837.58	1,958.97	1,712.29	246.68	7.941		
2,400.00	2,399.68	2,369.26	2,369.26	6.35	251.14	161.116	634.74	1,837.58	1,962.27	1,704.81	257.46	7.622		
2,500.00	2,499.61	2,469.19	2,469.19	6.55	261.73	161.149	634.74	1,837.58	1,965.58	1,697.33	268.25	7.327		
2,600.00	2,599.57	2,569.15	2,569.15	6.77	272.33	-132.457	634.74	1,837.58	1,968.16	1,689.11	279.05	7.053		
2,700.00	2,699.50	2,669.08	2,669.08	6.94	282.92	-94.714	634.74	1,837.58	1,969.31	1,679.47	289.84	6.794		
2,800.00	2,799.26	2,768.84	2,768.84	7.01	293.50	-83.360	634.74	1,837.58	1,969.03	1,668.53	300.50	6.553		
2,900.00	2,898.74	2,868.32	2,868.32	7.07	304.04	-78.601	634.74	1,837.58	1,967.36	1,656.25	311.11	6.324		
3,000.00	2,997.82	2,967.40	2,967.40	7.14	314.54	-76.228	634.74	1,837.58	1,964.35	1,642.67	321.68	6.106		
3,100.00	3,096.38	3,065.96	3,065.96	7.26	324.99	-75.006	634.74	1,837.58	1,960.07	1,627.87	332.20	5.900		
3,200.00	3,194.29	3,163.87	3,163.87	7.46	335.37	-74.452	634.74	1,837.58	1,954.60	1,611.95	342.65	5.704		
3,300.00	3,291.66	3,261.24	3,261.24	7.63	345.69	-74.846	634.74	1,837.58	1,948.39	1,595.38	353.00	5.519		
3,400.00	3,389.00	3,358.58	3,358.58	7.85	356.01	-75.482	634.74	1,837.58	1,942.37	1,578.96	363.41	5.345		
3,500.00	3,486.35	3,455.93	3,455.93	8.09	366.33	-76.122	634.74	1,837.58	1,936.61	1,562.78	373.83	5.180		
3,600.00	3,583.69	3,553.27	3,553.27	8.35	376.65	-76.765	634.74	1,837.58	1,931.10	1,546.85	384.25	5.026		
3,700.00	3,681.03	3,650.61	3,650.61	8.62	386.96	-77.411	634.74	1,837.58	1,925.85	1,531.16	394.69	4.879		
3,800.00	3,778.37	3,747.95	3,747.95	8.91	397.28	-78.061	634.74	1,837.58	1,920.86	1,515.73	405.13	4.741		
3,900.00	3,875.71	3,845.29	3,845.29	9.21	407.60	-78.714	634.74	1,837.58	1,916.13	1,500.54	415.59	4.611		
4,000.00	3,973.05	3,942.63	3,942.63	9.53	417.92	-79.370	634.74	1,837.58	1,911.66	1,485.61	426.05	4.487		
4,100.00	4,070.40	4,039.98	4,039.98	9.86	428.24	-80.029	634.74	1,837.58	1,907.46	1,470.94	436.52	4.370		
4,200.00	4,167.74	4,137.32	4,137.32	10.20	438.56	-80.690	634.74	1,837.58	1,903.52	1,456.53	446.99	4.259		
4,300.00	4,265.08	4,234.66	4,234.66	10.54	448.87	-81.354	634.74	1,837.58	1,899.85	1,442.38	457.47	4.153		
4,400.00	4,362.42	4,332.00	4,332.00	10.90	459.19	-82.021	634.74	1,837.58	1,896.45	1,428.50	467.95	4.053		
4,500.00	4,459.76	4,429.34	4,429.34	11.27	469.51	-82.689	634.74	1,837.58	1,893.32	1,414.88	478.45	3.957		
4,600.00	4,557.10	4,526.68	4,526.68	11.65	479.83	-83.359	634.74	1,837.58	1,890.46	1,401.52	488.94	3.866		
4,700.00	4,654.45	4,624.03	4,624.03	12.03	490.15	-84.032	634.74	1,837.58	1,887.88	1,388.44	499.44	3.780		
4,800.00	4,751.79	4,721.37	4,721.37	12.42	500.46	-84.706	634.74	1,837.58	1,885.57	1,375.62	509.95	3.698		
4,900.00	4,849.13	4,818.71	4,818.71	12.82	510.78	-85.381	634.74	1,837.58	1,883.54	1,363.08	520.46	3.619		
5,000.00	4,946.47	4,916.05	4,916.05	13.22	521.10	-86.058	634.74	1,837.58	1,881.79	1,350.81	530.98	3.544		
5,100.00	5,043.81	5,013.39	5,013.39	13.63	531.42	-86.736	634.74	1,837.58	1,880.31	1,338.81	541.50	3.472		

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth Only)													Offset Site Error: 0.00 usft
Survey Program: 5482-BLIND - TREND													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		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	5,141.15	5,110.73	5,110.73	14.04	541.74	-87.415	634.74	1,837.58	1,879.11	1,327.08	552.02	3.404	
5,300.00	5,238.50	5,208.08	5,208.08	14.46	552.06	-88.094	634.74	1,837.58	1,878.18	1,315.63	562.55	3.339	
5,400.00	5,335.84	5,305.42	5,305.42	14.88	562.37	-88.774	634.74	1,837.58	1,877.54	1,304.46	573.09	3.276	
5,500.00	5,433.18	5,402.76	5,402.76	15.30	572.69	-89.454	634.74	1,837.58	1,877.18	1,293.55	583.62	3.216	
5,580.18	5,511.23	5,480.81	5,480.81	15.65	580.97	-90.000	634.74	1,837.58	1,877.09	1,285.01	592.08	3.170 CC	
5,600.00	5,530.52	5,482.00	5,482.00	15.73	581.09	-90.008	634.74	1,837.58	1,877.18	1,284.97	592.21	3.170 ES, SF	
5,700.00	5,627.86	5,482.00	5,482.00	16.16	581.09	-90.008	634.74	1,837.58	1,880.83	1,289.50	591.33	3.181	
5,800.00	5,725.20	5,482.00	5,482.00	16.60	581.09	-90.008	634.74	1,837.58	1,889.78	1,300.87	588.91	3.209	
5,900.00	5,822.55	5,482.00	5,482.00	17.03	581.09	-90.008	634.74	1,837.58	1,903.94	1,318.94	585.01	3.255	
6,000.00	5,919.89	5,482.00	5,482.00	17.47	581.09	-90.008	634.74	1,837.58	1,923.21	1,343.48	579.73	3.317	
6,100.00	6,017.23	5,482.00	5,482.00	17.92	581.09	-90.008	634.74	1,837.58	1,947.43	1,374.22	573.20	3.397	
6,200.00	6,114.57	5,482.00	5,482.00	18.36	581.09	-90.008	634.74	1,837.58	1,976.41	1,410.84	565.57	3.495	
6,300.00	6,211.91	5,482.00	5,482.00	18.81	581.09	-90.008	634.74	1,837.58	2,009.96	1,452.96	557.00	3.609	
6,400.00	6,309.25	5,482.00	5,482.00	19.26	581.09	-90.008	634.74	1,837.58	2,047.84	1,500.19	547.65	3.739	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
0.00	0.00	3.69	3.69	0.00	0.03	-8.740	276.63	-42.53	279.88				
100.00	100.00	103.69	103.69	0.79	0.81	-8.740	276.63	-42.53	279.88	278.28	1.60	175.400	
200.00	200.00	203.69	203.69	1.45	1.46	-8.740	276.63	-42.53	279.88	276.97	2.91	96.224	
300.00	300.00	303.69	303.69	1.89	1.91	-8.740	276.63	-42.53	279.88	276.08	3.80	73.716	
400.00	400.00	403.69	403.69	2.25	2.27	-8.740	276.63	-42.53	279.88	275.36	4.52	61.935	
500.00	500.00	503.69	503.69	2.57	2.58	-8.740	276.63	-42.53	279.88	274.73	5.15	54.390	
600.00	600.00	603.69	603.69	2.85	2.86	-8.740	276.63	-42.53	279.88	274.17	5.71	49.027	
700.00	700.00	703.69	703.69	3.11	3.12	-8.740	276.63	-42.53	279.88	273.66	6.23	44.959	
800.00	800.00	803.69	803.69	3.35	3.36	-8.740	276.63	-42.53	279.88	273.17	6.71	41.736	
900.00	900.00	903.69	903.69	3.58	3.58	-8.740	276.63	-42.53	279.88	272.72	7.16	39.099	
1,000.00	1,000.00	1,003.69	1,003.69	3.79	3.80	-8.740	276.63	-42.53	279.88	272.29	7.59	36.889	
1,100.00	1,100.00	1,103.69	1,103.69	3.99	4.00	-8.740	276.63	-42.53	279.88	271.88	8.00	35.002	
1,200.00	1,200.00	1,203.69	1,203.69	4.19	4.20	-8.740	276.63	-42.53	279.88	271.49	8.39	33.364	
1,300.00	1,300.00	1,303.69	1,303.69	4.38	4.39	-8.740	276.63	-42.53	279.88	271.11	8.77	31.926	
1,400.00	1,400.00	1,403.69	1,403.69	4.56	4.57	-8.740	276.63	-42.53	279.88	270.75	9.13	30.649	
1,500.00	1,500.00	1,503.69	1,503.69	4.74	4.75	-8.740	276.63	-42.53	279.88	270.39	9.49	29.506	
1,600.00	1,600.00	1,603.69	1,603.69	4.91	4.92	-8.740	276.63	-42.53	279.88	270.05	9.83	28.474	
1,700.00	1,700.00	1,703.69	1,703.69	5.08	5.09	-8.740	276.63	-42.53	279.88	269.72	10.16	27.535	
1,800.00	1,800.00	1,803.69	1,803.69	5.24	5.25	-8.740	276.63	-42.53	279.88	269.39	10.49	26.678	
1,900.00	1,899.98	1,903.67	1,903.67	5.48	5.41	81.618	276.63	-42.53	279.62	268.82	10.80	25.886	
2,000.00	1,999.92	2,003.61	2,003.61	5.63	5.56	82.326	276.63	-42.53	279.13	268.04	11.09	25.161	
2,100.00	2,099.86	2,103.55	2,103.55	5.80	5.72	83.037	276.63	-42.53	278.69	267.31	11.38	24.486	
2,200.00	2,199.80	2,203.49	2,203.49	5.97	5.87	83.750	276.63	-42.53	278.29	266.62	11.66	23.858	
2,300.00	2,299.74	2,303.43	2,303.43	6.15	6.01	84.465	276.63	-42.53	277.93	265.98	11.94	23.272	
2,400.00	2,399.68	2,403.37	2,403.37	6.35	6.16	85.181	276.63	-42.53	277.61	265.40	12.22	22.723	
2,500.00	2,499.61	2,503.30	2,503.30	6.55	6.30	85.899	276.63	-42.53	277.34	264.85	12.49	22.208	
2,509.12	2,508.73	2,512.42	2,512.42	6.57	6.32	89.998	276.63	-42.53	277.33	264.82	12.51	22.164 CC, ES	
2,600.00	2,599.57	2,603.26	2,603.26	6.77	6.44	152.764	276.63	-42.53	278.44	265.69	12.75	21.832	
2,700.00	2,699.50	2,703.19	2,703.19	6.94	6.58	-169.329	276.63	-42.53	282.24	269.22	13.02	21.671	
2,800.00	2,799.26	2,802.95	2,802.95	7.01	6.72	-158.104	276.63	-42.53	288.73	275.40	13.33	21.662	
2,900.00	2,898.74	2,902.43	2,902.43	7.07	6.85	-153.727	276.63	-42.53	297.95	284.30	13.65	21.830	
3,000.00	2,997.82	3,001.51	3,001.51	7.14	6.99	-151.936	276.63	-42.53	309.96	295.98	13.98	22.170	
3,100.00	3,096.38	3,100.07	3,100.07	7.26	7.12	-151.428	276.63	-42.53	324.87	310.55	14.33	22.674	
3,200.00	3,194.29	3,197.98	3,197.98	7.46	7.24	-151.654	276.63	-42.53	342.80	328.11	14.69	23.335	
3,300.00	3,291.66	3,295.35	3,295.35	7.63	7.37	-153.039	276.63	-42.53	363.07	348.09	14.98	24.236	
3,400.00	3,389.00	3,392.69	3,392.69	7.85	7.49	-154.582	276.63	-42.53	383.73	368.40	15.33	25.038	
3,500.00	3,486.35	3,490.04	3,490.04	8.09	7.62	-155.969	276.63	-42.53	404.63	388.94	15.69	25.791	
3,600.00	3,583.69	3,590.66	3,590.64	8.35	7.79	-157.068	276.65	-41.10	425.40	409.34	16.07	26.478	
3,700.00	3,681.03	3,692.38	3,692.23	8.62	7.96	-157.621	276.70	-36.07	445.42	428.97	16.45	27.075	
3,800.00	3,778.37	3,794.62	3,794.10	8.91	8.15	-157.686	276.79	-27.39	464.59	447.73	16.86	27.560	
3,900.00	3,875.71	3,897.12	3,895.85	9.21	8.36	-157.318	276.93	-15.05	482.87	465.59	17.28	27.943	
4,000.00	3,973.05	3,999.63	3,997.10	9.53	8.59	-156.565	277.10	0.93	500.34	482.62	17.72	28.236	
4,100.00	4,070.40	4,101.88	4,097.46	9.86	8.83	-155.468	277.31	20.46	517.10	498.93	18.17	28.458	
4,200.00	4,167.74	4,202.52	4,195.53	10.20	9.03	-154.095	277.55	43.03	533.37	514.78	18.59	28.694	
4,300.00	4,265.08	4,300.35	4,290.68	10.54	9.26	-152.751	277.80	65.81	549.76	530.71	19.05	28.859	
4,400.00	4,362.42	4,398.18	4,385.82	10.90	9.50	-151.484	278.05	88.59	566.44	546.92	19.51	29.027	
4,500.00	4,459.76	4,496.02	4,480.96	11.27	9.76	-150.289	278.29	111.37	583.37	563.39	19.98	29.193	
4,600.00	4,557.10	4,593.85	4,576.11	11.65	10.04	-149.160	278.54	134.15	600.54	580.08	20.46	29.358	
4,700.00	4,654.45	4,691.69	4,671.25	12.03	10.33	-148.094	278.78	156.94	617.92	596.99	20.93	29.520	
4,800.00	4,751.79	4,789.52	4,766.40	12.42	10.63	-147.086	279.03	179.72	635.50	614.09	21.41	29.679	
4,900.00	4,849.13	4,887.36	4,861.54	12.82	10.95	-146.132	279.27	202.50	653.27	631.37	21.90	29.835	
5,000.00	4,946.47	4,985.19	4,956.69	13.22	11.27	-145.228	279.52	225.28	671.20	648.82	22.38	29.988	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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			Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
5,100.00	5,043.81	5,083.03	5,051.83	13.63	11.61	-144.371	279.77	248.07	689.29	666.42	22.87	30.137	
5,200.00	5,141.15	5,180.86	5,146.98	14.04	11.96	-143.558	280.01	270.85	707.52	684.16	23.36	30.282	
5,300.00	5,238.50	5,278.70	5,242.12	14.46	12.32	-142.785	280.26	293.63	725.88	702.02	23.86	30.423	
5,400.00	5,335.84	5,376.53	5,337.27	14.88	12.68	-142.050	280.50	316.41	744.37	720.01	24.36	30.560	
5,500.00	5,433.18	5,474.36	5,432.41	15.30	13.05	-141.350	280.75	339.19	762.97	738.11	24.86	30.693	
5,600.00	5,530.52	5,572.20	5,527.56	15.73	13.43	-140.683	281.00	361.98	781.67	756.31	25.36	30.820	
5,700.00	5,627.86	5,670.03	5,622.70	16.16	13.82	-140.048	281.24	384.76	800.48	774.61	25.87	30.944	
5,800.00	5,725.20	5,767.87	5,717.85	16.60	14.21	-139.441	281.49	407.54	819.37	792.99	26.38	31.063	
5,900.00	5,822.55	5,865.70	5,812.99	17.03	14.60	-138.862	281.73	430.32	838.35	811.46	26.89	31.177	
6,000.00	5,919.89	5,963.54	5,908.14	17.47	15.00	-138.308	281.98	453.10	857.41	830.01	27.41	31.287	
6,100.00	6,017.23	6,061.37	6,003.28	17.92	15.41	-137.779	282.22	475.89	876.54	848.62	27.92	31.392	
6,200.00	6,114.57	6,159.21	6,098.43	18.36	15.81	-137.271	282.47	498.67	895.75	867.30	28.44	31.493	
6,300.00	6,211.91	6,257.04	6,193.57	18.81	16.23	-136.785	282.72	521.45	915.01	886.05	28.97	31.590	
6,400.00	6,309.25	6,354.88	6,288.71	19.26	16.64	-136.319	282.96	544.23	934.34	904.85	29.49	31.682	
6,500.00	6,406.60	6,452.71	6,383.86	19.71	17.06	-135.872	283.21	567.01	953.73	923.71	30.02	31.771	
6,600.00	6,503.94	6,550.55	6,479.00	20.16	17.48	-135.442	283.45	589.80	973.17	942.62	30.55	31.855	
6,700.00	6,601.28	6,648.38	6,574.15	20.61	17.91	-135.030	283.70	612.58	992.66	961.58	31.09	31.933	
6,800.00	6,698.62	6,748.16	6,671.25	21.07	18.36	-134.640	283.95	635.55	1,012.17	980.54	31.63	32.002	
6,900.00	6,795.96	6,851.47	6,772.43	21.52	18.82	-134.421	284.17	656.40	1,031.30	999.12	32.18	32.048	
7,000.00	6,893.31	6,955.12	6,874.63	21.98	19.27	-134.415	284.36	673.64	1,049.93	1,017.20	32.73	32.075	
7,100.00	6,990.65	7,058.85	6,977.47	22.44	19.70	-134.612	284.50	687.18	1,068.05	1,034.77	33.28	32.091	
7,200.00	7,087.99	7,162.39	7,080.53	22.90	20.10	-135.000	284.61	696.98	1,085.71	1,051.88	33.83	32.095	
7,300.00	7,185.33	7,265.46	7,183.42	23.36	20.46	-135.566	284.68	703.02	1,102.96	1,068.58	34.37	32.089	
7,400.00	7,283.03	7,368.17	7,286.10	23.84	20.70	-136.454	284.70	705.36	1,118.74	1,083.84	34.90	32.057	
7,500.00	7,381.40	7,467.17	7,385.09	24.29	20.76	-137.257	284.70	705.39	1,131.91	1,096.51	35.40	31.978	
7,600.00	7,480.35	7,566.11	7,484.04	24.73	20.81	-137.891	284.70	705.39	1,142.63	1,106.76	35.87	31.856	
7,700.00	7,579.74	7,665.50	7,583.43	25.14	20.86	-138.367	284.70	705.39	1,150.84	1,114.54	36.30	31.700	
7,800.00	7,679.45	7,765.21	7,683.14	25.52	20.90	-138.689	284.70	705.39	1,156.49	1,119.79	36.70	31.512	
7,900.00	7,779.36	7,865.12	7,783.05	25.85	20.95	-138.861	284.70	705.39	1,159.52	1,122.48	37.04	31.304	
8,000.00	7,879.34	7,965.10	7,883.03	25.99	21.00	-95.834	284.70	705.39	1,160.20	1,122.98	37.22	31.175	
8,100.00	7,978.13	8,063.89	7,981.82	26.30	21.05	-96.385	284.70	705.39	1,161.78	1,124.30	37.48	30.997	
8,200.00	8,072.88	8,158.64	8,076.57	26.67	21.09	-97.444	284.70	705.39	1,165.81	1,127.88	37.93	30.738	
8,300.00	8,160.71	8,246.47	8,164.40	27.06	21.13	-98.712	284.70	705.39	1,173.46	1,134.89	38.56	30.428	
8,400.00	8,238.94	8,324.71	8,242.63	27.45	21.17	-99.781	284.70	705.39	1,186.24	1,146.84	39.40	30.110	
8,500.00	8,305.21	8,390.97	8,308.90	27.84	21.20	-100.204	284.70	705.39	1,205.69	1,165.29	40.40	29.842	
8,600.00	8,357.50	8,443.26	8,361.19	28.22	21.23	-99.543	284.70	705.39	1,233.00	1,191.46	41.54	29.682	
8,700.00	8,394.21	8,479.97	8,397.90	28.61	21.25	-97.414	284.70	705.39	1,268.66	1,225.92	42.74	29.685	
8,800.00	8,414.24	8,500.00	8,417.93	29.03	21.26	-93.542	284.70	705.39	1,312.30	1,268.39	43.91	29.888	
8,900.00	8,418.00	8,503.76	8,421.69	29.51	21.26	-90.000	284.70	705.39	1,362.48	1,317.52	44.97	30.301	
9,000.00	8,418.00	8,503.76	8,421.69	30.15	21.26	-90.000	284.70	705.39	1,415.76	1,369.80	45.95	30.808	
9,100.00	8,418.00	8,503.76	8,421.69	30.97	21.26	-90.000	284.70	705.39	1,471.08	1,424.21	46.87	31.386	
9,200.00	8,418.00	8,503.76	8,421.69	31.96	21.26	-90.000	284.70	705.39	1,528.17	1,480.46	47.71	32.031	
9,300.00	8,418.00	8,503.76	8,421.69	33.12	21.26	-90.000	284.70	705.39	1,586.77	1,538.30	48.47	32.736	
9,400.00	8,418.00	10,207.09	9,360.00	34.39	28.01	-125.821	287.72	1,716.32	1,603.25	1,543.73	59.53	26.933	
9,400.00	8,418.00	10,207.09	9,360.00	34.39	28.01	-125.821	287.72	1,716.32	1,603.25	1,543.73	59.53	26.933	
9,500.00	8,418.00	10,307.09	9,360.00	35.77	29.76	-125.821	288.01	1,816.32	1,603.25	1,541.06	62.19	25.779	
9,500.00	8,418.00	10,307.09	9,360.00	35.77	29.76	-125.821	288.01	1,816.32	1,603.25	1,541.06	62.19	25.779	
9,600.00	8,418.00	10,407.09	9,360.00	37.23	31.55	-125.821	288.31	1,916.32	1,603.25	1,538.32	64.93	24.691	
9,600.00	8,418.00	10,407.09	9,360.00	37.23	31.55	-125.821	288.31	1,916.32	1,603.25	1,538.32	64.93	24.691	
9,700.00	8,418.00	10,507.09	9,360.00	38.77	33.38	-125.821	288.61	2,016.32	1,603.25	1,535.51	67.74	23.667	
9,700.00	8,418.00	10,507.09	9,360.00	38.77	33.38	-125.821	288.61	2,016.32	1,603.25	1,535.51	67.74	23.667	
9,800.00	8,418.00	10,607.09	9,360.00	40.36	35.23	-125.821	288.91	2,116.32	1,603.25	1,532.64	70.61	22.706	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,800.00	8,418.00	10,607.09	9,360.00	40.36	35.23	-125.821	288.91	2,116.32	1,603.25	1,532.64	70.61	22.706	
9,900.00	8,418.00	10,707.09	9,360.00	42.00	37.10	-125.821	289.21	2,216.32	1,603.25	1,529.72	73.53	21.805	
9,900.00	8,418.00	10,707.09	9,360.00	42.00	37.10	-125.821	289.21	2,216.32	1,603.25	1,529.72	73.53	21.805	
10,000.00	8,418.00	10,807.09	9,360.00	43.69	39.00	-125.821	289.51	2,316.32	1,603.25	1,526.76	76.49	20.960	
10,000.00	8,418.00	10,807.09	9,360.00	43.69	39.00	-125.821	289.51	2,316.32	1,603.25	1,526.76	76.49	20.959	
10,100.00	8,418.00	10,907.09	9,360.00	45.41	40.91	-125.821	289.80	2,416.32	1,603.25	1,523.75	79.50	20.167	
10,100.00	8,418.00	10,907.09	9,360.00	45.41	40.91	-125.821	289.80	2,416.32	1,603.25	1,523.75	79.50	20.167	
10,200.00	8,418.00	11,007.09	9,360.00	47.16	42.84	-125.821	290.10	2,516.32	1,603.25	1,520.71	82.54	19.424	
10,200.00	8,418.00	11,007.09	9,360.00	47.16	42.84	-125.821	290.10	2,516.32	1,603.25	1,520.71	82.54	19.424	
10,300.00	8,418.00	11,107.09	9,360.00	48.94	44.78	-125.821	290.40	2,616.32	1,603.25	1,517.64	85.62	18.726	
10,300.00	8,418.00	11,107.09	9,360.00	48.94	44.78	-125.821	290.40	2,616.32	1,603.25	1,517.64	85.62	18.726	
10,400.00	8,418.00	11,207.09	9,360.00	50.74	46.73	-125.821	290.70	2,716.32	1,603.25	1,514.53	88.72	18.071	
10,400.00	8,418.00	11,207.09	9,360.00	50.74	46.73	-125.821	290.70	2,716.32	1,603.25	1,514.53	88.72	18.071	
10,500.00	8,418.00	11,307.09	9,360.00	52.57	48.69	-125.821	291.00	2,816.31	1,603.25	1,511.40	91.85	17.455	
10,500.00	8,418.00	11,307.09	9,360.00	52.57	48.69	-125.821	291.00	2,816.32	1,603.25	1,511.40	91.85	17.455	
10,600.00	8,418.00	11,407.09	9,360.00	54.41	50.66	-125.821	291.29	2,916.31	1,603.25	1,508.25	95.00	16.876	
10,600.00	8,418.00	11,407.09	9,360.00	54.41	50.66	-125.821	291.29	2,916.32	1,603.25	1,508.25	95.00	16.876	
10,700.00	8,418.00	11,507.09	9,360.00	56.26	52.63	-125.821	291.59	3,016.31	1,603.25	1,505.07	98.18	16.330	
10,700.00	8,418.00	11,507.09	9,360.00	56.26	52.63	-125.821	291.59	3,016.32	1,603.25	1,505.07	98.18	16.330	
10,800.00	8,418.00	11,607.09	9,360.00	58.14	54.62	-125.821	291.89	3,116.31	1,603.25	1,501.88	101.37	15.816	
10,800.00	8,418.00	11,607.09	9,360.00	58.14	54.62	-125.821	291.89	3,116.32	1,603.25	1,501.88	101.37	15.816	
10,900.00	8,418.00	11,707.09	9,360.00	60.02	56.61	-125.821	292.19	3,216.31	1,603.25	1,498.67	104.58	15.330	
10,900.00	8,418.00	11,707.09	9,360.00	60.02	56.61	-125.821	292.19	3,216.32	1,603.25	1,498.67	104.58	15.330	
11,000.00	8,418.00	11,807.09	9,360.00	61.92	58.60	-125.821	292.49	3,316.31	1,603.25	1,495.44	107.81	14.871	
11,000.00	8,418.00	11,807.09	9,360.00	61.92	58.60	-125.821	292.49	3,316.31	1,603.25	1,495.44	107.81	14.871	
11,100.00	8,418.00	11,907.09	9,360.00	63.83	60.60	-125.821	292.79	3,416.31	1,603.25	1,492.20	111.05	14.437	
11,100.00	8,418.00	11,907.09	9,360.00	63.83	60.60	-125.821	292.79	3,416.31	1,603.25	1,492.20	111.05	14.437	
11,200.00	8,418.00	12,007.09	9,360.00	65.75	62.61	-125.821	293.08	3,516.31	1,603.25	1,488.94	114.31	14.026	
11,200.00	8,418.00	12,007.09	9,360.00	65.75	62.61	-125.821	293.08	3,516.31	1,603.25	1,488.94	114.31	14.026	
11,300.00	8,418.00	12,107.09	9,360.00	67.67	64.62	-125.821	293.38	3,616.31	1,603.25	1,485.68	117.58	13.636	
11,300.00	8,418.00	12,107.09	9,360.00	67.67	64.62	-125.821	293.38	3,616.31	1,603.25	1,485.68	117.58	13.636	
11,400.00	8,418.00	12,207.09	9,360.00	69.61	66.63	-125.821	293.68	3,716.31	1,603.25	1,482.40	120.86	13.266	
11,400.00	8,418.00	12,207.09	9,360.00	69.61	66.63	-125.821	293.68	3,716.31	1,603.25	1,482.40	120.86	13.266	
11,500.00	8,418.00	12,307.09	9,360.00	71.55	68.64	-125.821	293.98	3,816.31	1,603.25	1,479.11	124.15	12.914	
11,500.00	8,418.00	12,307.09	9,360.00	71.55	68.64	-125.821	293.98	3,816.31	1,603.25	1,479.11	124.15	12.914	
11,600.00	8,418.00	12,407.09	9,360.00	73.50	70.66	-125.821	294.28	3,916.31	1,603.25	1,475.81	127.45	12.580	
11,600.00	8,418.00	12,407.09	9,360.00	73.50	70.66	-125.821	294.28	3,916.31	1,603.25	1,475.81	127.45	12.580	
11,700.00	8,418.00	12,507.09	9,360.00	75.46	72.68	-125.821	294.57	4,016.31	1,603.25	1,472.50	130.75	12.262	
11,700.00	8,418.00	12,507.09	9,360.00	75.46	72.68	-125.821	294.57	4,016.31	1,603.25	1,472.50	130.75	12.262	
11,800.00	8,418.00	12,607.09	9,360.00	77.42	74.71	-125.821	294.87	4,116.31	1,603.25	1,469.18	134.07	11.958	
11,800.00	8,418.00	12,607.09	9,360.00	77.42	74.71	-125.821	294.87	4,116.31	1,603.25	1,469.18	134.07	11.958	
11,900.00	8,418.00	12,707.09	9,360.00	79.38	76.74	-125.821	295.17	4,216.31	1,603.25	1,465.86	137.39	11.669	
11,900.00	8,418.00	12,707.09	9,360.00	79.38	76.74	-125.821	295.17	4,216.31	1,603.25	1,465.86	137.39	11.669	
12,000.00	8,418.00	12,807.09	9,360.00	81.36	78.76	-125.821	295.47	4,316.31	1,603.25	1,462.53	140.73	11.393	
12,000.00	8,418.00	12,807.09	9,360.00	81.36	78.76	-125.821	295.47	4,316.31	1,603.25	1,462.53	140.73	11.393	
12,100.00	8,418.00	12,907.09	9,360.00	83.33	80.80	-125.821	295.77	4,416.31	1,603.25	1,459.19	144.06	11.129	
12,100.00	8,418.00	12,907.09	9,360.00	83.33	80.80	-125.821	295.77	4,416.31	1,603.25	1,459.19	144.06	11.129	
12,200.00	8,418.00	13,007.09	9,360.00	85.31	82.83	-125.821	296.07	4,516.31	1,603.25	1,455.84	147.41	10.876	
12,200.00	8,418.00	13,007.09	9,360.00	85.31	82.83	-125.821	296.07	4,516.31	1,603.25	1,455.84	147.41	10.876	
12,300.00	8,418.00	13,107.09	9,360.00	87.30	84.86	-125.821	296.36	4,616.31	1,603.25	1,452.50	150.76	10.635	
12,300.00	8,418.00	13,107.09	9,360.00	87.30	84.86	-125.821	296.36	4,616.31	1,603.25	1,452.49	150.76	10.635	
12,400.00	8,418.00	13,207.09	9,360.00	89.29	86.90	-125.821	296.66	4,716.31	1,603.25	1,449.14	154.11	10.403	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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			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	
12,400.00	8,418.00	13,207.09	9,360.00	89.29	86.90	-125.821	296.66	4,716.31	1,603.25	1,449.14	154.11	10.403	
12,500.00	8,418.00	13,307.09	9,360.00	91.28	88.94	-125.821	296.96	4,816.31	1,603.25	1,445.78	157.47	10.181	
12,500.00	8,418.00	13,307.09	9,360.00	91.28	88.94	-125.821	296.96	4,816.31	1,603.25	1,445.78	157.47	10.181	
12,600.00	8,418.00	13,407.09	9,360.00	93.28	90.98	-125.821	297.26	4,916.31	1,603.25	1,442.41	160.84	9.968	
12,600.00	8,418.00	13,407.09	9,360.00	93.28	90.98	-125.821	297.26	4,916.31	1,603.25	1,442.41	160.84	9.968	
12,700.00	8,418.00	13,507.09	9,360.00	95.27	93.02	-125.821	297.56	5,016.30	1,603.25	1,439.04	164.21	9.764	
12,700.00	8,418.00	13,507.09	9,360.00	95.27	93.02	-125.821	297.56	5,016.31	1,603.25	1,439.04	164.21	9.764	
12,800.00	8,418.00	13,607.09	9,360.00	97.28	95.06	-125.821	297.86	5,116.30	1,603.25	1,435.67	167.58	9.567	
12,800.00	8,418.00	13,607.09	9,360.00	97.28	95.06	-125.821	297.86	5,116.31	1,603.25	1,435.67	167.58	9.567	
12,900.00	8,418.00	13,707.09	9,360.00	99.28	97.10	-125.821	298.15	5,216.30	1,603.25	1,432.29	170.96	9.378	
12,900.00	8,418.00	13,707.09	9,360.00	99.28	97.10	-125.821	298.15	5,216.31	1,603.25	1,432.29	170.96	9.378	
13,000.00	8,418.00	13,807.09	9,360.00	101.29	99.15	-125.821	298.45	5,316.30	1,603.25	1,428.91	174.34	9.196	
13,000.00	8,418.00	13,807.09	9,360.00	101.29	99.15	-125.821	298.45	5,316.31	1,603.25	1,428.91	174.34	9.196	
13,100.00	8,418.00	13,907.09	9,360.00	103.30	101.19	-125.821	298.75	5,416.30	1,603.25	1,425.53	177.73	9.021	
13,100.00	8,418.00	13,907.09	9,360.00	103.30	101.19	-125.821	298.75	5,416.31	1,603.25	1,425.53	177.73	9.021	
13,200.00	8,418.00	14,007.09	9,360.00	105.31	103.24	-125.821	299.05	5,516.30	1,603.25	1,422.14	181.11	8.852	
13,200.00	8,418.00	14,007.09	9,360.00	105.31	103.24	-125.821	299.05	5,516.31	1,603.25	1,422.14	181.11	8.852	
13,300.00	8,418.00	14,107.09	9,360.00	107.32	105.28	-125.821	299.35	5,616.30	1,603.25	1,418.75	184.51	8.689	
13,300.00	8,418.00	14,107.09	9,360.00	107.32	105.28	-125.821	299.35	5,616.30	1,603.25	1,418.75	184.51	8.689	
13,400.00	8,418.00	14,207.09	9,360.00	109.34	107.33	-125.821	299.64	5,716.30	1,603.25	1,415.35	187.90	8.532	
13,400.00	8,418.00	14,207.09	9,360.00	109.34	107.33	-125.821	299.64	5,716.30	1,603.25	1,415.35	187.90	8.532	
13,500.00	8,418.00	14,307.09	9,360.00	111.36	109.38	-125.821	299.94	5,816.30	1,603.25	1,411.96	191.30	8.381	
13,500.00	8,418.00	14,307.09	9,360.00	111.36	109.38	-125.821	299.94	5,816.30	1,603.25	1,411.96	191.30	8.381	
13,600.00	8,418.00	14,407.09	9,360.00	113.38	111.43	-125.821	300.24	5,916.30	1,603.25	1,408.56	194.70	8.235	
13,600.00	8,418.00	14,407.09	9,360.00	113.38	111.43	-125.821	300.24	5,916.30	1,603.25	1,408.56	194.70	8.235	
13,700.00	8,418.00	14,507.09	9,360.00	115.40	113.48	-125.821	300.54	6,016.30	1,603.25	1,405.15	198.10	8.093	
13,700.00	8,418.00	14,507.09	9,360.00	115.40	113.48	-125.821	300.54	6,016.30	1,603.25	1,405.15	198.10	8.093	
13,800.00	8,418.00	14,607.09	9,360.00	117.42	115.53	-125.821	300.84	6,116.30	1,603.25	1,401.75	201.50	7.956	
13,800.00	8,418.00	14,607.09	9,360.00	117.42	115.53	-125.821	300.84	6,116.30	1,603.25	1,401.75	201.50	7.956	
13,900.00	8,418.00	14,707.09	9,360.00	119.44	117.58	-125.821	301.14	6,216.30	1,603.25	1,398.34	204.91	7.824	
13,900.00	8,418.00	14,707.09	9,360.00	119.44	117.58	-125.821	301.14	6,216.30	1,603.25	1,398.34	204.91	7.824	
14,000.00	8,418.00	14,807.09	9,360.00	121.47	119.63	-125.821	301.43	6,316.30	1,603.25	1,394.93	208.32	7.696	
14,000.00	8,418.00	14,807.09	9,360.00	121.47	119.63	-125.821	301.43	6,316.30	1,603.25	1,394.93	208.32	7.696	
14,100.00	8,418.00	14,907.09	9,360.00	123.50	121.69	-125.821	301.73	6,416.30	1,603.25	1,391.52	211.73	7.572	
14,100.00	8,418.00	14,907.09	9,360.00	123.50	121.69	-125.821	301.73	6,416.30	1,603.25	1,391.52	211.73	7.572	
14,200.00	8,418.00	15,007.09	9,360.00	125.53	123.74	-125.821	302.03	6,516.30	1,603.25	1,388.11	215.14	7.452	
14,200.00	8,418.00	15,007.09	9,360.00	125.53	123.74	-125.821	302.03	6,516.30	1,603.25	1,388.11	215.14	7.452	
14,300.00	8,418.00	15,107.09	9,360.00	127.56	125.79	-125.821	302.33	6,616.30	1,603.25	1,384.69	218.56	7.336	
14,300.00	8,418.00	15,107.09	9,360.00	127.56	125.79	-125.821	302.33	6,616.30	1,603.25	1,384.69	218.56	7.336	
14,400.00	8,418.00	15,207.09	9,360.00	129.59	127.85	-125.821	302.63	6,716.30	1,603.25	1,381.28	221.98	7.223	
14,400.00	8,418.00	15,207.09	9,360.00	129.59	127.85	-125.821	302.63	6,716.30	1,603.25	1,381.28	221.98	7.223	
14,500.00	8,418.00	15,307.09	9,360.00	131.62	129.90	-125.821	302.92	6,816.30	1,603.25	1,377.86	225.39	7.113	
14,500.00	8,418.00	15,307.09	9,360.00	131.62	129.90	-125.821	302.92	6,816.30	1,603.25	1,377.86	225.39	7.113	
14,600.00	8,418.00	15,407.09	9,360.00	133.65	131.96	-125.821	303.22	6,916.30	1,603.25	1,374.44	228.81	7.007	
14,600.00	8,418.00	15,407.09	9,360.00	133.65	131.96	-125.821	303.22	6,916.30	1,603.25	1,374.44	228.81	7.007	
14,700.00	8,418.00	15,507.09	9,360.00	135.69	134.01	-125.821	303.52	7,016.30	1,603.25	1,371.02	232.24	6.904	
14,700.00	8,418.00	15,507.09	9,360.00	135.69	134.01	-125.821	303.52	7,016.30	1,603.25	1,371.02	232.24	6.904	
14,800.00	8,418.00	15,607.09	9,360.00	137.72	136.07	-125.821	303.82	7,116.30	1,603.25	1,367.59	235.66	6.803	
14,800.00	8,418.00	15,607.09	9,360.00	137.72	136.07	-125.821	303.82	7,116.30	1,603.25	1,367.59	235.66	6.803	
14,900.00	8,418.00	15,707.09	9,360.00	139.76	138.13	-125.821	304.12	7,216.30	1,603.25	1,364.17	239.08	6.706	
14,900.00	8,418.00	15,707.09	9,360.00	139.76	138.13	-125.821	304.12	7,216.30	1,603.25	1,364.17	239.08	6.706	
15,000.00	8,418.00	15,807.09	9,360.00	141.80	140.18	-125.821	304.42	7,316.29	1,603.25	1,360.74	242.51	6.611	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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			Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
15,000.00	8,418.00	15,807.09	9,360.00	141.80	140.18	-125.821	304.42	7,316.30	1,603.25	1,360.74	242.51	6.611	
15,100.00	8,418.00	15,907.09	9,360.00	143.84	142.24	-125.821	304.71	7,416.29	1,603.25	1,357.32	245.94	6.519	
15,100.00	8,418.00	15,907.09	9,360.00	143.84	142.24	-125.821	304.71	7,416.30	1,603.25	1,357.32	245.94	6.519	
15,200.00	8,418.00	16,007.09	9,360.00	145.88	144.30	-125.821	305.01	7,516.29	1,603.25	1,353.89	249.37	6.429	
15,200.00	8,418.00	16,007.09	9,360.00	145.88	144.30	-125.821	305.01	7,516.30	1,603.25	1,353.89	249.37	6.429	
15,300.00	8,418.00	16,107.09	9,360.00	147.92	146.36	-125.821	305.31	7,616.29	1,603.25	1,350.46	252.80	6.342	
15,300.00	8,418.00	16,107.09	9,360.00	147.92	146.36	-125.821	305.31	7,616.30	1,603.25	1,350.46	252.80	6.342	
15,400.00	8,418.00	16,207.09	9,360.00	149.96	148.41	-125.821	305.61	7,716.29	1,603.25	1,347.03	256.23	6.257	
15,400.00	8,418.00	16,207.09	9,360.00	149.96	148.41	-125.821	305.61	7,716.30	1,603.25	1,347.03	256.23	6.257	
15,500.00	8,418.00	16,307.09	9,360.00	152.00	150.47	-125.821	305.91	7,816.29	1,603.25	1,343.59	259.66	6.174	
15,500.00	8,418.00	16,307.09	9,360.00	152.00	150.47	-125.821	305.91	7,816.29	1,603.25	1,343.59	259.66	6.174	
15,600.00	8,418.00	16,407.09	9,360.00	154.04	152.53	-125.821	306.21	7,916.29	1,603.25	1,340.16	263.09	6.094	
15,600.00	8,418.00	16,407.09	9,360.00	154.04	152.53	-125.821	306.21	7,916.29	1,603.25	1,340.16	263.09	6.094	
15,700.00	8,418.00	16,507.09	9,360.00	156.08	154.59	-125.821	306.50	8,016.29	1,603.25	1,336.73	266.53	6.015	
15,700.00	8,418.00	16,507.09	9,360.00	156.08	154.59	-125.821	306.50	8,016.29	1,603.25	1,336.73	266.53	6.015	
15,800.00	8,418.00	16,607.09	9,360.00	158.13	156.65	-125.821	306.80	8,116.29	1,603.25	1,333.29	269.96	5.939	
15,800.00	8,418.00	16,607.09	9,360.00	158.13	156.65	-125.821	306.80	8,116.29	1,603.25	1,333.29	269.96	5.939	
15,900.00	8,418.00	16,707.09	9,360.00	160.17	158.71	-125.821	307.10	8,216.29	1,603.25	1,329.86	273.40	5.864	
15,900.00	8,418.00	16,707.09	9,360.00	160.17	158.71	-125.821	307.10	8,216.29	1,603.25	1,329.86	273.40	5.864	
16,000.00	8,418.00	16,807.09	9,360.00	162.22	160.77	-125.821	307.40	8,316.29	1,603.25	1,326.42	276.84	5.791	
16,000.00	8,418.00	16,807.09	9,360.00	162.22	160.77	-125.821	307.40	8,316.29	1,603.25	1,326.42	276.84	5.791	
16,100.00	8,418.00	16,907.09	9,360.00	164.26	162.83	-125.821	307.70	8,416.29	1,603.25	1,322.98	280.27	5.720	
16,100.00	8,418.00	16,907.09	9,360.00	164.26	162.83	-125.821	307.70	8,416.29	1,603.25	1,322.98	280.27	5.720	
16,200.00	8,418.00	17,007.09	9,360.00	166.31	164.89	-125.821	307.99	8,516.29	1,603.25	1,319.54	283.71	5.651	
16,200.00	8,418.00	17,007.09	9,360.00	166.31	164.89	-125.821	307.99	8,516.29	1,603.25	1,319.54	283.71	5.651	
16,300.00	8,418.00	17,107.09	9,360.00	168.36	166.95	-125.821	308.29	8,616.29	1,603.25	1,316.10	287.15	5.583	
16,300.00	8,418.00	17,107.09	9,360.00	168.36	166.95	-125.821	308.29	8,616.29	1,603.25	1,316.10	287.15	5.583	
16,400.00	8,418.00	17,207.09	9,360.00	170.40	169.01	-125.821	308.59	8,716.29	1,603.25	1,312.66	290.59	5.517	
16,400.00	8,418.00	17,207.09	9,360.00	170.40	169.01	-125.821	308.59	8,716.29	1,603.25	1,312.66	290.59	5.517	
16,500.00	8,418.00	17,307.09	9,360.00	172.45	171.07	-125.821	308.89	8,816.29	1,603.25	1,309.22	294.03	5.453	
16,500.00	8,418.00	17,307.09	9,360.00	172.45	171.07	-125.821	308.89	8,816.29	1,603.25	1,309.22	294.03	5.453	
16,600.00	8,418.00	17,407.09	9,360.00	174.50	173.13	-125.821	309.19	8,916.29	1,603.25	1,305.78	297.48	5.390	
16,600.00	8,418.00	17,407.09	9,360.00	174.50	173.13	-125.821	309.19	8,916.29	1,603.25	1,305.78	297.48	5.390	
16,700.00	8,418.00	17,507.09	9,360.00	176.55	175.19	-125.821	309.49	9,016.29	1,603.25	1,302.34	300.92	5.328	
16,700.00	8,418.00	17,507.09	9,360.00	176.55	175.19	-125.821	309.49	9,016.29	1,603.25	1,302.34	300.92	5.328	
16,800.00	8,418.00	17,607.09	9,360.00	178.60	177.26	-125.821	309.78	9,116.29	1,603.25	1,298.89	304.36	5.268	
16,800.00	8,418.00	17,607.09	9,360.00	178.60	177.26	-125.821	309.78	9,116.29	1,603.25	1,298.89	304.36	5.268	
16,900.00	8,418.00	17,707.09	9,360.00	180.65	179.32	-125.821	310.08	9,216.29	1,603.25	1,295.45	307.81	5.209	
16,900.00	8,418.00	17,707.09	9,360.00	180.65	179.32	-125.821	310.08	9,216.29	1,603.25	1,295.45	307.81	5.209	
17,000.00	8,418.00	17,807.09	9,360.00	182.70	181.38	-125.821	310.38	9,316.29	1,603.25	1,292.00	311.25	5.151	
17,000.00	8,418.00	17,807.09	9,360.00	182.70	181.38	-125.821	310.38	9,316.29	1,603.25	1,292.00	311.25	5.151	
17,100.00	8,418.00	17,907.09	9,360.00	184.75	183.44	-125.821	310.68	9,416.29	1,603.25	1,288.56	314.70	5.095	
17,100.00	8,418.00	17,907.09	9,360.00	184.75	183.44	-125.821	310.68	9,416.29	1,603.25	1,288.56	314.70	5.095	
17,200.00	8,418.00	18,007.09	9,360.00	186.80	185.50	-125.821	310.98	9,516.28	1,603.25	1,285.11	318.14	5.039	
17,200.00	8,418.00	18,007.09	9,360.00	186.80	185.50	-125.821	310.98	9,516.29	1,603.25	1,285.11	318.14	5.039	
17,300.00	8,418.00	18,107.09	9,360.00	188.85	187.57	-125.821	311.27	9,616.28	1,603.25	1,281.67	321.59	4.985	
17,300.00	8,418.00	18,107.09	9,360.00	188.85	187.57	-125.821	311.27	9,616.29	1,603.25	1,281.67	321.59	4.985	
17,400.00	8,418.00	18,207.09	9,360.00	190.90	189.63	-125.821	311.57	9,716.28	1,603.25	1,278.22	325.04	4.933	
17,400.00	8,418.00	18,207.09	9,360.00	190.90	189.63	-125.821	311.57	9,716.29	1,603.25	1,278.22	325.04	4.933	
17,500.00	8,418.00	18,307.09	9,360.00	192.96	191.69	-125.821	311.87	9,816.28	1,603.25	1,274.77	328.48	4.881	
17,500.00	8,418.00	18,307.09	9,360.00	192.96	191.69	-125.821	311.87	9,816.29	1,603.25	1,274.77	328.48	4.881	
17,600.00	8,418.00	18,407.09	9,360.00	195.01	193.75	-125.821	312.17	9,916.28	1,603.25	1,271.32	331.93	4.830	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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			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	
17,600.00	8,418.00	18,407.09	9,360.00	195.01	193.75	-125.821	312.17	9,916.29	1,603.25	1,271.32	331.93	4.830	
17,700.00	8,418.00	18,507.09	9,360.00	197.06	195.82	-125.821	312.47	10,016.28	1,603.25	1,267.87	335.38	4.780	
17,700.00	8,418.00	18,507.09	9,360.00	197.06	195.82	-125.821	312.47	10,016.29	1,603.25	1,267.87	335.38	4.780	
17,800.00	8,418.00	18,607.09	9,360.00	199.12	197.88	-125.821	312.77	10,116.28	1,603.25	1,264.42	338.83	4.732	
17,800.00	8,418.00	18,607.09	9,360.00	199.12	197.88	-125.821	312.77	10,116.28	1,603.25	1,264.42	338.83	4.732	
17,900.00	8,418.00	18,707.09	9,360.00	201.17	199.94	-125.821	313.06	10,216.28	1,603.25	1,260.98	342.28	4.684	
17,900.00	8,418.00	18,707.09	9,360.00	201.17	199.94	-125.821	313.06	10,216.28	1,603.25	1,260.98	342.28	4.684	
18,000.00	8,418.00	18,807.09	9,360.00	203.22	202.01	-125.821	313.36	10,316.28	1,603.25	1,257.53	345.73	4.637	
18,000.00	8,418.00	18,807.09	9,360.00	203.22	202.01	-125.821	313.36	10,316.28	1,603.25	1,257.52	345.73	4.637	
18,100.00	8,418.00	18,907.09	9,360.00	205.28	204.07	-125.821	313.66	10,416.28	1,603.25	1,254.07	349.18	4.591	
18,100.00	8,418.00	18,907.09	9,360.00	205.28	204.07	-125.821	313.66	10,416.28	1,603.25	1,254.07	349.18	4.591	
18,200.00	8,418.00	19,007.09	9,360.00	207.33	206.13	-125.821	313.96	10,516.28	1,603.25	1,250.62	352.63	4.547	
18,200.00	8,418.00	19,007.09	9,360.00	207.33	206.13	-125.821	313.96	10,516.28	1,603.25	1,250.62	352.63	4.547	
18,300.00	8,418.00	19,107.09	9,360.00	209.39	208.20	-125.821	314.26	10,616.28	1,603.25	1,247.17	356.08	4.502	
18,300.00	8,418.00	19,107.09	9,360.00	209.39	208.20	-125.821	314.26	10,616.28	1,603.25	1,247.17	356.08	4.502	
18,400.00	8,418.00	19,207.09	9,360.00	211.44	210.26	-125.821	314.55	10,716.28	1,603.25	1,243.72	359.53	4.459	
18,400.00	8,418.00	19,207.09	9,360.00	211.44	210.26	-125.821	314.55	10,716.28	1,603.25	1,243.72	359.53	4.459	
18,500.00	8,418.00	19,307.09	9,360.00	213.50	212.32	-125.821	314.85	10,816.28	1,603.25	1,240.27	362.99	4.417	
18,500.00	8,418.00	19,307.09	9,360.00	213.50	212.32	-125.821	314.85	10,816.28	1,603.25	1,240.27	362.99	4.417	
18,600.00	8,418.00	19,407.09	9,360.00	215.55	214.39	-125.821	315.15	10,916.28	1,603.25	1,236.82	366.44	4.375	
18,600.00	8,418.00	19,407.09	9,360.00	215.55	214.39	-125.821	315.15	10,916.28	1,603.25	1,236.82	366.44	4.375	
18,700.00	8,418.00	19,507.09	9,360.00	217.61	216.45	-125.821	315.45	11,016.28	1,603.25	1,233.36	369.89	4.334	
18,700.00	8,418.00	19,507.09	9,360.00	217.61	216.45	-125.821	315.45	11,016.28	1,603.25	1,233.36	369.89	4.334	
18,800.00	8,418.00	19,607.09	9,360.00	219.67	218.52	-125.821	315.75	11,116.28	1,603.25	1,229.91	373.35	4.294	
18,800.00	8,418.00	19,607.09	9,360.00	219.67	218.52	-125.821	315.75	11,116.28	1,603.25	1,229.91	373.35	4.294	
18,900.00	8,418.00	19,707.09	9,360.00	221.72	220.58	-125.821	316.05	11,216.28	1,603.25	1,226.45	376.80	4.255	
18,900.00	8,418.00	19,707.09	9,360.00	221.72	220.58	-125.821	316.05	11,216.28	1,603.25	1,226.45	376.80	4.255	
19,000.00	8,418.00	19,807.09	9,360.00	223.78	222.64	-125.821	316.34	11,316.28	1,603.25	1,223.00	380.25	4.216	
19,000.00	8,418.00	19,807.09	9,360.00	223.78	222.64	-125.821	316.34	11,316.28	1,603.25	1,223.00	380.25	4.216	
19,100.00	8,418.00	19,907.09	9,360.00	225.84	224.71	-125.821	316.64	11,416.28	1,603.25	1,219.55	383.71	4.178	
19,100.00	8,418.00	19,907.09	9,360.00	225.84	224.71	-125.821	316.64	11,416.28	1,603.25	1,219.55	383.71	4.178	
19,200.00	8,418.00	20,007.09	9,360.00	227.89	226.77	-125.821	316.94	11,516.28	1,603.25	1,216.09	387.16	4.141	
19,200.00	8,418.00	20,007.09	9,360.00	227.89	226.77	-125.821	316.94	11,516.28	1,603.25	1,216.09	387.16	4.141	
19,300.00	8,418.00	20,107.09	9,360.00	229.95	228.84	-125.821	317.24	11,616.28	1,603.25	1,212.64	390.62	4.104	
19,300.06	8,418.00	20,107.15	9,360.00	229.95	228.84	-125.821	317.24	11,616.34	1,603.25	1,212.63	390.62	4.104	
19,378.92	8,418.00	20,181.28	9,360.00	231.57	230.37	-125.821	317.46	11,690.47	1,603.26	1,209.99	393.27	4.077 SF	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 32-34 FED COM 211H - 211H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.68	2.68	0.00	0.02	-8.741	256.89	-39.50	259.91	258.32	1.59	163.568	
100.00	100.00	102.68	102.68	0.79	0.80	-8.741	256.89	-39.50	259.91	257.00	2.90	89.496	
200.00	200.00	202.68	202.68	1.45	1.46	-8.741	256.89	-39.50	259.91	256.12	3.79	68.522	
300.00	300.00	302.68	302.68	1.89	1.90	-8.741	256.89	-39.50	259.91	255.39	4.52	57.556	
400.00	400.00	402.68	402.68	2.25	2.26	-8.741	256.89	-39.50	259.91	254.77	5.14	50.537	
500.00	500.00	502.68	502.68	2.57	2.58	-8.741	256.89	-39.50	259.91	254.20	5.71	45.549	
600.00	600.00	602.68	602.68	2.85	2.86	-8.741	256.89	-39.50	259.91	253.69	6.22	41.767	
700.00	700.00	702.68	702.68	3.11	3.11	-8.741	256.89	-39.50	259.91	253.21	6.70	38.771	
800.00	800.00	802.68	802.68	3.35	3.35	-8.741	256.89	-39.50	259.91	252.75	7.16	36.320	
900.00	900.00	902.68	902.68	3.58	3.58	-8.741	256.89	-39.50	259.91	252.32	7.58	34.266	
1,000.00	1,000.00	1,002.68	1,002.68	3.79	3.80	-8.741	256.89	-39.50	259.91	251.91	7.99	32.512	
1,100.00	1,100.00	1,102.68	1,102.68	3.99	4.00	-8.741	256.89	-39.50	259.91	251.52	8.39	30.991	
1,200.00	1,200.00	1,202.68	1,202.68	4.19	4.20	-8.741	256.89	-39.50	259.91	251.14	8.76	29.654	
1,300.00	1,300.00	1,302.68	1,302.68	4.38	4.38	-8.741	256.89	-39.50	259.91	250.78	9.13	28.468	
1,400.00	1,400.00	1,402.68	1,402.68	4.56	4.57	-8.741	256.89	-39.50	259.91	250.43	9.48	27.405	
1,500.00	1,500.00	1,502.68	1,502.68	4.74	4.74	-8.741	256.89	-39.50	259.91	250.08	9.83	26.446	
1,600.00	1,600.00	1,602.68	1,602.68	4.91	4.92	-8.741	256.89	-39.50	259.91	249.75	10.16	25.575	
1,700.00	1,700.00	1,702.68	1,702.68	5.08	5.08	-8.741	256.89	-39.50	259.91	249.42	10.49	24.778	
1,800.00	1,800.00	1,802.68	1,802.68	5.24	5.25	-8.741	256.89	-39.50	259.91	248.85	10.80	24.041	
1,900.00	1,899.98	1,902.66	1,902.66	5.48	5.41	81.644	256.89	-39.50	259.91	248.07	11.09	23.361	
2,000.00	1,999.92	2,002.83	2,002.83	5.63	5.56	82.409	256.89	-39.50	259.16	245.45	11.45	22.444	
2,100.00	2,099.86	2,111.72	2,111.69	5.80	5.80	83.439	255.02	-38.39	256.90	239.50	11.77	21.345	
2,200.00	2,199.80	2,220.14	2,219.92	5.97	6.03	84.882	249.61	-35.20	251.28	230.35	12.10	20.040	
2,300.00	2,299.74	2,327.78	2,327.06	6.15	6.28	86.817	240.77	-29.96	242.45	218.21	12.42	18.563	
2,400.00	2,399.68	2,434.36	2,432.70	6.35	6.55	89.370	228.60	-22.77	230.63	203.43	12.75	16.957	
2,500.00	2,499.61	2,539.60	2,536.41	6.55	6.84	92.729	213.28	-13.70	216.18	187.61	13.06	15.361	
2,600.00	2,599.57	2,643.67	2,638.27	6.77	7.16	162.905	194.91	-2.84	200.68	172.13	13.41	13.835	
2,700.00	2,699.50	2,746.92	2,738.48	6.94	7.49	-154.994	173.56	9.79	185.54	157.17	13.77	12.412	
2,800.00	2,799.26	2,849.35	2,836.96	7.01	7.84	-138.597	149.31	24.13	170.94	143.04	14.08	11.162	
2,900.00	2,898.74	2,950.50	2,933.17	7.07	8.16	-128.014	122.44	40.03	157.12	131.13	14.38	10.122	
3,000.00	2,997.82	3,048.66	3,026.12	7.14	8.46	-119.710	95.28	56.09	145.51	121.78	14.67	9.300	
3,100.00	3,096.38	3,147.40	3,119.62	7.26	8.79	-112.884	67.96	72.25	136.45	114.33	14.96	8.645	
3,200.00	3,194.29	3,246.61	3,213.56	7.46	9.15	-107.395	40.51	88.49	129.29	108.08	15.19	8.114	
3,300.00	3,291.66	3,346.09	3,307.76	7.63	9.52	-103.436	12.99	104.77	123.27	102.39	15.45	7.627	
3,400.00	3,389.00	3,445.58	3,401.97	7.85	9.90	-99.410	-14.54	121.05	117.84	97.35	15.69	7.204	
3,500.00	3,486.35	3,545.07	3,496.18	8.09	10.29	-95.022	-42.07	137.33	113.04	84.04	15.93	6.841	
3,600.00	3,583.69	3,644.57	3,590.39	8.35	10.70	-90.279	-69.59	153.61	108.97	89.52	16.18	6.531	
3,700.00	3,681.03	3,744.06	3,684.61	8.62	11.11	-85.209	-97.12	169.89	105.70	86.83	16.49	6.264	
3,800.00	3,778.37	3,843.55	3,778.82	8.91	11.53	-79.863	-124.65	186.18	103.32	84.99	16.90	6.030	
3,900.00	3,875.71	3,943.04	3,873.03	9.21	11.96	-74.319	-152.18	202.46	101.88	84.04	17.39	5.831 CC	
3,995.26	3,968.44	4,037.82	3,962.77	9.51	12.38	-68.940	-178.40	217.97	101.43	84.01	17.42	5.822	
4,000.00	3,973.05	4,042.53	3,967.24	9.53	12.40	-68.672	-179.70	218.74	101.43	83.88	18.10	5.635	
4,100.00	4,070.40	4,142.02	4,061.45	9.86	12.84	-63.030	-207.23	235.02	101.98	84.58	18.92	5.470	
4,200.00	4,167.74	4,241.51	4,155.66	10.20	13.29	-57.501	-234.76	251.30	103.51	86.08	19.89	5.327	
4,300.00	4,265.08	4,341.00	4,249.87	10.54	13.74	-52.179	-262.28	267.59	105.98	88.34	20.98	5.211	
4,400.00	4,362.42	4,440.49	4,344.08	10.90	14.20	-47.138	-289.81	283.87	109.32	91.32	22.15	5.123	
4,500.00	4,459.76	4,539.98	4,438.29	11.27	14.66	-42.428	-317.34	300.15	113.47	94.96	23.37	5.063	
4,600.00	4,557.10	4,639.48	4,532.50	11.65	15.13	-38.074	-344.86	316.43	118.33	99.20	24.62	5.029	
4,700.00	4,654.45	4,738.97	4,626.71	12.03	15.59	-34.082	-372.39	332.71	123.82	103.98	25.88	5.018	
4,800.00	4,751.79	4,838.46	4,720.92	12.42	16.07	-30.443	-399.92	348.99	129.86	109.25	27.13	5.026	
4,900.00	4,849.13	4,937.95	4,815.13	12.82	16.54	-27.137	-427.44	365.28	136.38	114.94	28.37	5.051	
5,000.00	4,946.47	5,037.44	4,909.34	13.22	17.02	-24.141	-454.97	381.56	143.31				

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 32-34 FED COM 211H - 211H - Plan 2													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 0.00 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,100.00	5,043.81	5,136.93	5,003.55	13.63	17.49	-21.426	-482.50	397.84	150.60	121.00	29.59	5.089		
5,200.00	5,141.15	5,236.42	5,097.77	14.04	17.98	-18.965	-510.02	414.12	158.19	127.39	30.80	5.137		
5,300.00	5,238.50	5,335.91	5,191.98	14.46	18.46	-16.733	-537.55	430.40	166.05	134.07	31.98	5.192		
5,400.00	5,335.84	5,435.40	5,286.19	14.88	18.94	-14.704	-565.08	446.69	174.14	140.99	33.14	5.254		
5,500.00	5,433.18	5,534.90	5,380.40	15.30	19.43	-12.857	-592.60	462.97	182.42	148.13	34.29	5.320		
5,600.00	5,530.52	5,634.39	5,474.61	15.73	19.92	-11.172	-620.13	479.25	190.88	155.46	35.42	5.389		
5,700.00	5,627.86	5,733.88	5,568.82	16.16	20.41	-9.630	-647.66	495.53	199.49	162.95	36.53	5.461		
5,800.00	5,725.20	5,833.37	5,663.03	16.60	20.90	-8.216	-675.18	511.81	208.22	170.59	37.63	5.533		
5,900.00	5,822.55	5,932.86	5,757.24	17.03	21.39	-6.917	-702.71	528.09	217.08	178.36	38.72	5.606		
6,000.00	5,919.89	6,032.35	5,851.45	17.47	21.88	-5.720	-730.24	544.38	226.04	186.24	39.80	5.680		
6,100.00	6,017.23	6,131.84	5,945.66	17.92	22.38	-4.615	-757.77	560.66	235.09	194.22	40.87	5.752		
6,200.00	6,114.57	6,231.33	6,039.87	18.36	22.87	-3.591	-785.29	576.94	244.21	202.29	41.93	5.824		
6,300.00	6,211.91	6,330.82	6,134.08	18.81	23.37	-2.642	-812.82	593.22	253.42	210.43	42.98	5.896		
6,400.00	6,309.25	6,430.31	6,228.29	19.26	23.87	-1.759	-840.35	609.50	262.68	218.65	44.03	5.966		
6,500.00	6,406.60	6,529.81	6,322.50	19.71	24.37	-0.936	-867.87	625.79	272.00	226.93	45.07	6.035		
6,600.00	6,503.94	6,633.59	6,420.89	20.16	24.89	-0.144	-896.31	642.61	281.07	234.91	46.16	6.089		
6,700.00	6,601.28	6,744.28	6,526.87	20.61	25.47	0.578	-923.79	658.86	287.06	239.76	47.30	6.069		
6,800.00	6,698.62	6,855.35	6,634.37	21.07	26.02	1.195	-947.80	673.06	289.23	240.88	48.34	5.983		
6,900.00	6,795.96	6,966.45	6,742.91	21.52	26.56	1.736	-968.21	685.13	287.56	238.26	49.30	5.833		
7,000.00	6,893.31	7,077.27	6,851.99	21.98	27.07	2.220	-984.94	695.03	282.05	231.88	50.16	5.623		
7,100.00	6,990.65	7,187.46	6,961.14	22.44	27.56	2.665	-997.97	702.74	272.72	221.78	50.93	5.354		
7,200.00	7,087.99	7,296.72	7,069.85	22.90	28.00	3.087	-1,007.31	708.26	259.60	208.00	51.60	5.031		
7,300.00	7,185.33	7,404.74	7,177.66	23.36	28.40	3.503	-1,013.03	711.64	242.75	190.60	52.15	4.655		
7,400.00	7,283.03	7,511.62	7,284.50	23.84	28.69	3.878	-1,015.24	712.95	223.82	171.28	52.55	4.259		
7,500.00	7,381.40	7,611.21	7,384.08	24.29	28.72	4.193	-1,015.28	712.97	206.00	153.02	52.99	3.888		
7,600.00	7,480.35	7,710.15	7,483.03	24.73	28.74	4.486	-1,015.28	712.97	191.59	138.13	53.45	3.584		
7,700.00	7,579.74	7,809.54	7,582.42	25.14	28.76	4.741	-1,015.28	712.97	180.62	126.73	53.89	3.352		
7,800.00	7,679.45	7,909.25	7,682.13	25.52	28.78	4.934	-1,015.28	712.97	173.13	118.83	54.30	3.189		
7,900.00	7,779.36	8,009.16	7,782.04	25.85	28.80	5.044	-1,015.28	712.97	169.11	114.46	54.65	3.095		
8,000.00	7,879.34	8,109.14	7,882.02	25.99	28.82	48.477	-1,015.28	712.97	167.67	112.86	54.81	3.059		
8,100.00	7,978.13	8,207.93	7,980.81	26.30	28.84	53.158	-1,015.28	712.97	158.34	103.27	55.07	2.875		
8,200.00	8,072.88	8,302.68	8,075.56	26.67	28.87	64.555	-1,015.28	712.97	141.30	86.84	54.45	2.595		
8,300.00	8,160.71	8,390.51	8,163.39	27.06	28.88	83.360	-1,015.28	712.97	126.65	76.43	50.22	2.522 ES, SF		
8,330.54	8,185.73	8,415.53	8,188.41	27.18	28.89	90.000	-1,015.28	712.97	125.44	77.72	47.72	2.629		
8,400.00	8,238.94	8,468.74	8,241.62	27.45	28.90	104.472	-1,015.28	712.97	133.12	92.14	40.98	3.248		
8,500.00	8,305.21	8,535.01	8,307.89	27.84	28.92	119.538	-1,015.28	712.97	173.11	136.87	36.24	4.777		
8,600.00	8,357.50	8,587.30	8,360.18	28.22	28.93	126.085	-1,015.28	712.97	239.82	202.16	37.66	6.368		
8,700.00	8,394.21	8,624.01	8,396.89	28.61	28.94	124.052	-1,015.28	712.97	322.66	282.66	40.00	8.067		
8,800.00	8,414.24	8,644.04	8,416.92	29.03	28.94	109.816	-1,015.28	712.97	414.55	372.78	41.78	9.923		
8,900.00	8,418.00	8,647.80	8,420.68	29.51	28.94	90.000	-1,015.28	712.97	510.67	467.71	42.97	11.885		
9,000.00	8,418.00	8,647.80	8,420.68	30.15	28.94	90.000	-1,015.28	712.97	608.67	564.96	43.71	13.925		
9,100.00	8,418.00	8,647.80	8,420.68	30.97	28.94	90.000	-1,015.28	712.97	707.71	663.56	44.16	16.027		
9,200.00	8,418.00	8,647.80	8,420.68	31.96	28.94	90.000	-1,015.28	712.97	807.33	762.92	44.42	18.177		
9,300.00	8,418.00	8,647.80	8,420.68	33.12	28.94	90.000	-1,015.28	712.97	907.23	862.69	44.54	20.367		
9,400.00	8,418.00	10,348.43	9,360.00	34.39	35.67	180.000	-1,012.28	1,720.20	939.32	895.78	43.54	21.575		
9,421.13	8,418.00	10,369.56	9,360.00	34.68	35.92	180.000	-1,012.21	1,741.33	939.32	895.56	43.76	21.466		
9,500.00	8,418.00	10,448.43	9,360.00	35.77	36.90	180.000	-1,011.98	1,820.20	939.32	894.73	44.59	21.067		
9,521.13	8,418.00	10,469.56	9,360.00	36.08	37.17	180.000	-1,011.91	1,841.33	939.32	894.50	44.82	20.960		
9,600.00	8,418.00	10,548.43	9,360.00	37.23	38.22	180.000	-1,011.68	1,920.20	939.32	893.65	45.67	20.568		
9,621.13	8,418.00	10,569.56	9,360.00	37.56	38.51	180.000	-1,011.62	1,941.33	939.32	893.42	45.90	20.463		
9,700.00	8,418.00	10,648.43	9,360.00	38.77	39.63	180.000	-1,011.38	2,020.19	939.32	892.54	46.78	20.080		
9,721.13	8,418.00	10,669.56	9,360.00	39.10	39.94	180.000	-1,011.32	2,041.33	939.32	892.30	47.02	19.978		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 32-34 FED COM 211H - 211H - Plan 2													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+IFR1		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
9,800.00	8,418.00	10,748.43	9,360.00	40.36	41.12	180.000	-1,011.08	2,120.19	939.32	891.41	47.91	19.605			
9,821.13	8,418.00	10,769.56	9,360.00	40.71	41.44	180.000	-1,011.02	2,141.33	939.32	891.16	48.16	19.505			
9,900.00	8,418.00	10,848.43	9,360.00	42.00	42.66	180.000	-1,010.78	2,220.19	939.32	890.25	49.07	19.142			
9,921.13	8,418.00	10,869.56	9,360.00	42.36	42.99	180.000	-1,010.72	2,241.33	939.32	890.00	49.32	19.045			
10,000.00	8,418.00	10,948.43	9,360.00	43.69	44.26	180.000	-1,010.49	2,320.19	939.32	889.07	50.25	18.692			
10,021.13	8,418.00	10,969.56	9,360.00	44.05	44.60	180.000	-1,010.42	2,341.33	939.32	888.81	50.51	18.598			
10,100.00	8,418.00	11,048.43	9,360.00	45.41	45.90	180.000	-1,010.19	2,420.19	939.32	887.87	51.45	18.255			
10,121.13	8,418.00	11,069.56	9,360.00	45.78	46.25	180.000	-1,010.12	2,441.33	939.32	887.61	51.71	18.164			
10,200.00	8,418.00	11,148.43	9,360.00	47.16	47.58	180.000	-1,009.89	2,520.19	939.32	886.64	52.68	17.832			
10,221.13	8,418.00	11,169.56	9,360.00	47.54	47.94	180.000	-1,009.83	2,541.33	939.32	886.38	52.94	17.744			
10,300.00	8,418.00	11,248.43	9,360.00	48.94	49.29	180.000	-1,009.59	2,620.19	939.32	885.40	53.92	17.422			
10,321.13	8,418.00	11,269.56	9,360.00	49.32	49.66	180.000	-1,009.53	2,641.32	939.32	885.14	54.18	17.337			
10,400.00	8,418.00	11,348.43	9,360.00	50.74	51.03	180.000	-1,009.29	2,720.19	939.32	884.15	55.17	17.025			
10,421.13	8,418.00	11,369.56	9,360.00	51.13	51.41	180.000	-1,009.23	2,741.32	939.32	883.88	55.44	16.943			
10,500.00	8,418.00	11,448.43	9,360.00	52.57	52.80	180.000	-1,009.00	2,820.19	939.32	882.88	56.44	16.642			
10,521.13	8,418.00	11,469.56	9,360.00	52.95	53.18	180.000	-1,008.93	2,841.32	939.32	882.61	56.71	16.562			
10,600.00	8,418.00	11,548.43	9,360.00	54.41	54.59	180.000	-1,008.70	2,920.19	939.32	881.59	57.73	16.271			
10,621.13	8,418.00	11,569.56	9,360.00	54.80	54.97	180.000	-1,008.63	2,941.32	939.32	881.32	58.00	16.194			
10,700.00	8,418.00	11,648.43	9,360.00	56.26	56.40	180.000	-1,008.40	3,020.19	939.32	880.29	59.03	15.913			
10,721.13	8,418.00	11,669.56	9,360.00	56.66	56.79	180.000	-1,008.34	3,041.32	939.32	880.01	59.31	15.838			
10,800.00	8,418.00	11,748.43	9,360.00	58.14	58.23	180.000	-1,008.10	3,120.19	939.32	878.98	60.34	15.566			
10,821.13	8,418.00	11,769.56	9,360.00	58.53	58.62	180.000	-1,008.04	3,141.32	939.32	878.70	60.62	15.495			
10,900.00	8,418.00	11,848.43	9,360.00	60.02	60.08	180.000	-1,007.80	3,220.19	939.32	877.65	61.67	15.232			
10,921.13	8,418.00	11,869.56	9,360.00	60.42	60.47	180.000	-1,007.74	3,241.32	939.32	877.37	61.95	15.163			
11,000.00	8,418.00	11,948.43	9,360.00	61.92	61.94	180.000	-1,007.50	3,320.19	939.32	876.32	63.00	14.909			
11,021.13	8,418.00	11,969.56	9,360.00	62.32	62.33	180.000	-1,007.44	3,341.32	939.32	876.03	63.29	14.842			
11,100.00	8,418.00	12,048.43	9,360.00	63.83	63.81	180.000	-1,007.21	3,420.19	939.32	874.97	64.35	14.597			
11,121.13	8,418.00	12,069.56	9,360.00	64.23	64.21	180.000	-1,007.14	3,441.32	939.32	874.68	64.64	14.532			
11,200.00	8,418.00	12,148.43	9,360.00	65.75	65.70	180.000	-1,006.91	3,520.19	939.32	873.61	65.71	14.296			
11,221.13	8,418.00	12,169.56	9,360.00	66.15	66.10	180.000	-1,006.84	3,541.32	939.32	873.33	65.99	14.233			
11,300.00	8,418.00	12,248.43	9,360.00	67.67	67.59	180.000	-1,006.61	3,620.19	939.32	872.25	67.07	14.005			
11,321.13	8,418.00	12,269.56	9,360.00	68.08	67.99	180.000	-1,006.55	3,641.32	939.32	871.96	67.36	13.944			
11,400.00	8,418.00	12,348.43	9,360.00	69.61	69.50	180.000	-1,006.31	3,720.19	939.32	870.87	68.45	13.723			
11,421.13	8,418.00	12,369.56	9,360.00	70.02	69.90	180.000	-1,006.25	3,741.32	939.32	870.58	68.74	13.665			
11,500.00	8,418.00	12,448.43	9,360.00	71.55	71.41	180.000	-1,006.01	3,820.19	939.32	869.49	69.83	13.452			
11,521.13	8,418.00	12,469.56	9,360.00	71.96	71.82	180.000	-1,005.95	3,841.32	939.32	869.20	70.12	13.395			
11,600.00	8,418.00	12,548.43	9,360.00	73.50	73.34	180.000	-1,005.72	3,920.19	939.32	868.10	71.22	13.189			
11,621.13	8,418.00	12,569.56	9,360.00	73.91	73.74	180.000	-1,005.65	3,941.32	939.32	867.80	71.52	13.135			
11,700.00	8,418.00	12,648.43	9,360.00	75.46	75.27	180.000	-1,005.42	4,020.19	939.32	866.70	72.62	12.935			
11,721.13	8,418.00	12,669.56	9,360.00	75.87	75.68	180.000	-1,005.35	4,041.32	939.32	866.41	72.91	12.883			
11,800.00	8,418.00	12,748.43	9,360.00	77.42	77.21	180.000	-1,005.12	4,120.19	939.32	865.30	74.02	12.690			
11,821.13	8,418.00	12,769.56	9,360.00	77.83	77.62	180.000	-1,005.06	4,141.32	939.32	865.00	74.32	12.639			
11,900.00	8,418.00	12,848.43	9,360.00	79.38	79.15	180.000	-1,004.82	4,220.19	939.32	863.89	75.43	12.452			
11,921.13	8,418.00	12,869.56	9,360.00	79.80	79.56	180.000	-1,004.76	4,241.32	939.32	863.59	75.73	12.403			
12,000.00	8,418.00	12,948.43	9,360.00	81.36	81.10	180.000	-1,004.52	4,320.18	939.32	862.47	76.85	12.223			
12,021.13	8,418.00	12,969.56	9,360.00	81.77	81.52	180.000	-1,004.46	4,341.32	939.32	862.17	77.15	12.175			
12,100.00	8,418.00	13,048.43	9,360.00	83.33	83.06	180.000	-1,004.22	4,420.18	939.32	861.05	78.27	12.000			
12,121.13	8,418.00	13,069.56	9,360.00	83.75	83.47	180.000	-1,004.16	4,441.32	939.32	860.74	78.58	11.954			
12,200.00	8,418.00	13,148.43	9,360.00	85.31	85.02	180.000	-1,003.93	4,520.18	939.32	859.62	79.70	11.785			
12,221.13	8,418.00	13,169.56	9,360.00	85.73	85.44	180.000	-1,003.86	4,541.32	939.32	859.31	80.01	11.741			
12,300.00	8,418.00	13,248.43	9,360.00	87.30	86.99	180.000	-1,003.63	4,620.18	939.32	858.18	81.14	11.577			
12,321.13	8,418.00	13,269.56	9,360.00	87.72	87.41	180.000	-1,003.56	4,641.32	939.32	857.88	81.44	11.534			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 32-34 FED COM 211H - 211H - Plan 2											Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1											Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Factor
12,400.00	8,418.00	13,348.43	9,360.00	89.29	88.96	180.000	-1,003.33	4,720.18	939.32	856.75	82.57
12,421.13	8,418.00	13,369.56	9,360.00	89.71	89.38	180.000	-1,003.27	4,741.32	939.32	856.44	82.88
12,500.00	8,418.00	13,448.43	9,360.00	91.28	90.94	180.000	-1,003.03	4,820.18	939.32	855.30	84.02
12,521.13	8,418.00	13,469.56	9,360.00	91.70	91.35	180.000	-1,002.97	4,841.31	939.32	855.00	84.32
12,600.00	8,418.00	13,548.43	9,360.00	93.28	92.92	180.000	-1,002.73	4,920.18	939.32	853.85	85.47
12,621.13	8,418.00	13,569.56	9,360.00	93.70	93.34	180.000	-1,002.67	4,941.31	939.32	853.55	85.77
12,700.00	8,418.00	13,648.43	9,360.00	95.27	94.90	180.000	-1,002.44	5,020.18	939.32	852.40	86.92
12,721.13	8,418.00	13,669.56	9,360.00	95.70	95.32	180.000	-1,002.37	5,041.31	939.32	852.09	87.23
12,800.00	8,418.00	13,748.43	9,360.00	97.28	96.89	180.000	-1,002.14	5,120.18	939.32	850.95	88.37
12,821.13	8,418.00	13,769.56	9,360.00	97.70	97.31	180.000	-1,002.07	5,141.31	939.32	850.64	88.68
12,900.00	8,418.00	13,848.43	9,360.00	99.28	98.88	180.000	-1,001.84	5,220.18	939.32	849.49	89.83
12,921.13	8,418.00	13,869.56	9,360.00	99.70	99.30	180.000	-1,001.78	5,241.31	939.32	849.18	90.14
13,000.00	8,418.00	13,948.43	9,360.00	101.29	100.87	180.000	-1,001.54	5,320.18	939.32	848.02	91.30
13,021.13	8,418.00	13,969.56	9,360.00	101.71	101.29	180.000	-1,001.48	5,341.31	939.32	847.71	91.61
13,100.00	8,418.00	14,048.43	9,360.00	103.30	102.87	180.000	-1,001.24	5,420.18	939.32	846.56	92.76
13,121.13	8,418.00	14,069.56	9,360.00	103.72	103.29	180.000	-1,001.18	5,441.31	939.32	846.25	93.07
13,200.00	8,418.00	14,148.43	9,360.00	105.31	104.87	180.000	-1,000.94	5,520.18	939.32	845.09	94.23
13,221.13	8,418.00	14,169.56	9,360.00	105.73	105.29	180.000	-1,000.88	5,541.31	939.32	844.77	94.55
13,300.00	8,418.00	14,248.43	9,360.00	107.32	106.87	180.000	-1,000.65	5,620.18	939.32	843.61	95.71
13,321.13	8,418.00	14,269.56	9,360.00	107.75	107.29	180.000	-1,000.58	5,641.31	939.32	843.30	96.02
13,400.00	8,418.00	14,348.43	9,360.00	109.34	108.87	180.000	-1,000.35	5,720.18	939.32	842.14	97.18
13,421.13	8,418.00	14,369.56	9,360.00	109.76	109.30	180.000	-1,000.28	5,741.31	939.32	841.82	97.50
13,500.00	8,418.00	14,448.43	9,360.00	111.36	110.88	180.000	-1,000.05	5,820.18	939.32	840.66	98.66
13,521.13	8,418.00	14,469.56	9,360.00	111.78	111.30	180.000	-999.99	5,841.31	939.32	840.34	98.98
13,600.00	8,418.00	14,548.43	9,360.00	113.38	112.89	180.000	-999.75	5,920.18	939.32	839.18	100.14
13,621.13	8,418.00	14,569.56	9,360.00	113.80	113.31	180.000	-999.69	5,941.31	939.32	838.86	100.46
13,700.00	8,418.00	14,648.43	9,360.00	115.40	114.90	180.000	-999.45	6,020.18	939.32	837.69	101.63
13,721.13	8,418.00	14,669.56	9,360.00	115.82	115.32	180.000	-999.39	6,041.31	939.32	837.38	101.94
13,800.00	8,418.00	14,748.43	9,360.00	117.42	116.91	180.000	-999.16	6,120.18	939.32	836.20	103.12
13,821.13	8,418.00	14,769.56	9,360.00	117.85	117.34	180.000	-999.09	6,141.31	939.32	835.89	103.43
13,900.00	8,418.00	14,848.43	9,360.00	119.44	118.93	180.000	-998.86	6,220.18	939.32	834.71	104.61
13,921.13	8,418.00	14,869.56	9,360.00	119.87	119.35	180.000	-998.79	6,241.31	939.32	834.40	104.92
14,000.00	8,418.00	14,948.43	9,360.00	121.47	120.94	180.000	-998.56	6,320.18	939.32	833.22	106.10
14,021.13	8,418.00	14,969.56	9,360.00	121.90	121.37	180.000	-998.50	6,341.31	939.32	832.91	106.41
14,100.00	8,418.00	15,048.43	9,360.00	123.50	122.96	180.000	-998.26	6,420.18	939.32	831.73	107.59
14,121.13	8,418.00	15,069.56	9,360.00	123.93	123.39	180.000	-998.20	6,441.31	939.32	831.41	107.91
14,200.00	8,418.00	15,148.43	9,360.00	125.53	124.98	180.000	-997.96	6,520.17	939.32	830.23	109.09
14,221.13	8,418.00	15,169.56	9,360.00	125.96	125.41	180.000	-997.90	6,541.31	939.32	829.92	109.40
14,300.00	8,418.00	15,248.43	9,360.00	127.56	127.00	180.000	-997.66	6,620.17	939.32	828.73	110.59
14,321.13	8,418.00	15,269.56	9,360.00	127.99	127.43	180.000	-997.60	6,641.31	939.32	828.42	110.90
14,400.00	8,418.00	15,348.43	9,360.00	129.59	129.03	180.000	-997.37	6,720.17	939.32	827.23	112.09
14,421.13	8,418.00	15,369.56	9,360.00	130.02	129.46	180.000	-997.30	6,741.31	939.32	826.92	112.40
14,500.00	8,418.00	15,448.43	9,360.00	131.62	131.05	180.000	-997.07	6,820.17	939.32	825.73	113.59
14,521.13	8,418.00	15,469.56	9,360.00	132.05	131.48	180.000	-997.00	6,841.31	939.32	825.41	113.91
14,600.00	8,418.00	15,548.43	9,360.00	133.65	133.08	180.000	-996.77	6,920.17	939.32	824.23	115.09
14,621.13	8,418.00	15,569.56	9,360.00	134.08	133.51	180.000	-996.71	6,941.31	939.32	823.91	115.41
14,700.00	8,418.00	15,648.43	9,360.00	135.69	135.10	180.000	-996.47	7,020.17	939.32	822.72	116.60
14,721.13	8,418.00	15,669.56	9,360.00	136.12	135.53	180.000	-996.41	7,041.31	939.32	822.40	116.92
14,800.00	8,418.00	15,748.43	9,360.00	137.72	137.13	180.000	-996.17	7,120.17	939.32	821.22	118.10
14,821.13	8,418.00	15,769.56	9,360.00	138.15	137.56	180.000	-996.11	7,141.30	939.32	820.90	118.42
14,900.00	8,418.00	15,848.43	9,360.00	139.76	139.16	180.000	-995.88	7,220.17	939.32	819.71	119.61
14,921.13	8,418.00	15,869.56	9,360.00	140.19	139.59	180.000	-995.81	7,241.30	939.32	819.39	119.93

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 32-34 FED COM 211H - 211H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,000.00	8,418.00	15,948.43	9,360.00	141.80	141.19	180.000	-995.58	7,320.17	939.32	818.20	121.12	7.755	
15,021.13	8,418.00	15,969.56	9,360.00	142.23	141.62	180.000	-995.51	7,341.30	939.32	817.88	121.44	7.735	
15,100.00	8,418.00	16,048.43	9,360.00	143.84	143.23	180.000	-995.28	7,420.17	939.32	816.68	122.64	7.659	
15,121.13	8,418.00	16,069.56	9,360.00	144.27	143.65	180.000	-995.22	7,441.30	939.32	816.36	122.96	7.640	
15,200.00	8,418.00	16,148.43	9,360.00	145.88	145.26	180.000	-994.98	7,520.17	939.32	815.17	124.15	7.566	
15,221.13	8,418.00	16,169.56	9,360.00	146.31	145.69	180.000	-994.92	7,541.30	939.32	814.85	124.47	7.547	
15,300.00	8,418.00	16,248.43	9,360.00	147.92	147.29	180.000	-994.68	7,620.17	939.32	813.66	125.66	7.475	
15,321.13	8,418.00	16,269.56	9,360.00	148.35	147.72	180.000	-994.62	7,641.30	939.32	813.34	125.98	7.456	
15,400.00	8,418.00	16,348.43	9,360.00	149.96	149.33	180.000	-994.38	7,720.17	939.32	812.14	127.18	7.386	
15,421.13	8,418.00	16,369.56	9,360.00	150.39	149.76	180.000	-994.32	7,741.30	939.32	811.82	127.50	7.367	
15,500.00	8,418.00	16,448.43	9,360.00	152.00	151.36	180.000	-994.09	7,820.17	939.32	810.62	128.70	7.299	
15,521.13	8,418.00	16,469.56	9,360.00	152.43	151.79	180.000	-994.02	7,841.30	939.32	810.30	129.02	7.281	
15,600.00	8,418.00	16,548.43	9,360.00	154.04	153.40	180.000	-993.79	7,920.17	939.32	809.10	130.22	7.214	
15,621.13	8,418.00	16,569.56	9,360.00	154.47	153.83	180.000	-993.72	7,941.30	939.32	808.78	130.54	7.196	
15,700.00	8,418.00	16,648.43	9,360.00	156.08	155.44	180.000	-993.49	8,020.17	939.32	807.59	131.73	7.130	
15,721.13	8,418.00	16,669.56	9,360.00	156.52	155.87	180.000	-993.43	8,041.30	939.32	807.26	132.06	7.113	
15,800.00	8,418.00	16,748.43	9,360.00	158.13	157.47	180.000	-993.19	8,120.17	939.32	806.06	133.26	7.049	
15,821.13	8,418.00	16,769.56	9,360.00	158.56	157.90	180.000	-993.13	8,141.30	939.32	805.74	133.58	7.032	
15,900.00	8,418.00	16,848.43	9,360.00	160.17	159.51	180.000	-992.89	8,220.17	939.32	804.54	134.78	6.969	
15,921.13	8,418.00	16,869.56	9,360.00	160.61	159.94	180.000	-992.83	8,241.30	939.32	804.22	135.10	6.953	
16,000.00	8,418.00	16,948.43	9,360.00	162.22	161.55	180.000	-992.60	8,320.17	939.32	803.02	136.30	6.892	
16,021.13	8,418.00	16,969.56	9,360.00	162.65	161.98	180.000	-992.53	8,341.30	939.32	802.70	136.62	6.875	
16,100.00	8,418.00	17,048.43	9,360.00	164.26	163.59	180.000	-992.30	8,420.17	939.32	801.50	137.82	6.815	
16,121.13	8,418.00	17,069.56	9,360.00	164.70	164.02	180.000	-992.23	8,441.30	939.32	801.17	138.15	6.799	
16,200.00	8,418.00	17,148.43	9,360.00	166.31	165.63	180.000	-992.00	8,520.17	939.32	799.97	139.35	6.741	
16,221.13	8,418.00	17,169.56	9,360.00	166.74	166.07	180.000	-991.94	8,541.30	939.32	799.65	139.67	6.725	
16,300.00	8,418.00	17,248.43	9,360.00	168.36	167.68	180.000	-991.70	8,620.17	939.32	798.44	140.88	6.668	
16,321.13	8,418.00	17,269.56	9,360.00	168.79	168.11	180.000	-991.64	8,641.30	939.32	798.12	141.20	6.652	
16,400.00	8,418.00	17,348.43	9,360.00	170.40	169.72	180.000	-991.40	8,720.17	939.32	796.92	142.40	6.596	
16,421.13	8,418.00	17,369.56	9,360.00	170.84	170.15	180.000	-991.34	8,741.30	939.32	796.59	142.73	6.581	
16,500.00	8,418.00	17,448.43	9,360.00	172.45	171.76	180.000	-991.10	8,820.16	939.32	795.39	143.93	6.526	
16,521.13	8,418.00	17,469.56	9,360.00	172.89	172.19	180.000	-991.04	8,841.30	939.32	795.07	144.25	6.512	
16,600.00	8,418.00	17,548.43	9,360.00	174.50	173.81	180.000	-990.81	8,920.16	939.32	793.86	145.46	6.458	
16,621.13	8,418.00	17,569.56	9,360.00	174.93	174.24	180.000	-990.74	8,941.30	939.32	793.54	145.78	6.443	
16,700.00	8,418.00	17,648.43	9,360.00	176.55	175.85	180.000	-990.51	9,020.16	939.32	792.33	146.99	6.390	
16,721.13	8,418.00	17,669.56	9,360.00	176.98	176.28	180.000	-990.44	9,041.30	939.32	792.01	147.31	6.376	
16,800.00	8,418.00	17,748.43	9,360.00	178.60	177.89	180.000	-990.21	9,120.16	939.32	790.80	148.52	6.325	
16,821.13	8,418.00	17,769.56	9,360.00	179.03	178.33	180.000	-990.15	9,141.30	939.32	790.48	148.84	6.311	
16,900.00	8,418.00	17,848.43	9,360.00	180.65	179.94	180.000	-989.91	9,220.16	939.32	789.27	150.05	6.260	
16,921.13	8,418.00	17,869.56	9,360.00	181.08	180.37	180.000	-989.85	9,241.30	939.32	788.95	150.37	6.247	
17,000.00	8,418.00	17,948.43	9,360.00	182.70	181.99	180.000	-989.61	9,320.16	939.32	787.74	151.58	6.197	
17,021.13	8,418.00	17,969.56	9,360.00	183.13	182.42	180.000	-989.55	9,341.29	939.32	787.41	151.91	6.184	
17,100.00	8,418.00	18,048.43	9,360.00	184.75	184.03	180.000	-989.32	9,420.16	939.32	786.20	153.12	6.135	
17,121.13	8,418.00	18,069.56	9,360.00	185.18	184.47	180.000	-989.25	9,441.29	939.32	785.88	153.44	6.122	
17,200.00	8,418.00	18,148.43	9,360.00	186.80	186.08	180.000	-989.02	9,520.16	939.32	784.67	154.65	6.074	
17,221.13	8,418.00	18,169.56	9,360.00	187.23	186.51	180.000	-988.95	9,541.29	939.32	784.35	154.97	6.061	
17,300.00	8,418.00	18,248.43	9,360.00	188.85	188.13	180.000	-988.72	9,620.16	939.32	783.14	156.18	6.014	
17,321.13	8,418.00	18,269.56	9,360.00	189.29	188.56	180.000	-988.66	9,641.29	939.32	782.81	156.51	6.002	
17,400.00	8,418.00	18,348.43	9,360.00	190.90	190.17	180.000	-988.42	9,720.16	939.32	781.60	157.72	5.956	
17,421.13	8,418.00	18,369.56	9,360.00	191.34	190.61	180.000	-988.36	9,741.29	939.32	781.28	158.04	5.943	
17,500.00	8,418.00	18,448.43	9,360.00	192.96	192.22	180.000	-988.12	9,820.16	939.32	780.07	159.25	5.898	
17,521.13	8,418.00	18,469.56	9,360.00	193.39	192.66	180.000	-988.06	9,841.29	939.32	779.74	159.58	5.886	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 32-34 FED COM 211H - 211H - Plan 2													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+IFR1		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
17,600.00	8,418.00	18,548.43	9,360.00	195.01	194.27	180.000	-987.82	9,920.16	939.32	778.53	160.79	5.842			
17,621.13	8,418.00	18,569.56	9,360.00	195.44	194.71	180.000	-987.76	9,941.29	939.32	778.20	161.12	5.830			
17,700.00	8,418.00	18,648.43	9,360.00	197.06	196.32	180.000	-987.53	10,020.16	939.32	776.99	162.33	5.787			
17,721.13	8,418.00	18,669.56	9,360.00	197.50	196.75	180.000	-987.46	10,041.29	939.32	776.67	162.65	5.775			
17,800.00	8,418.00	18,748.43	9,360.00	199.12	198.37	180.000	-987.23	10,120.16	939.32	775.46	163.86	5.732			
17,821.13	8,418.00	18,769.56	9,360.00	199.55	198.80	180.000	-987.17	10,141.29	939.32	775.13	164.19	5.721			
17,900.00	8,418.00	18,848.43	9,360.00	201.17	200.42	180.000	-986.93	10,220.16	939.32	773.92	165.40	5.679			
17,921.13	8,418.00	18,869.56	9,360.00	201.60	200.85	180.000	-986.87	10,241.29	939.32	773.59	165.73	5.668			
18,000.00	8,418.00	18,948.43	9,360.00	203.22	202.47	180.000	-986.63	10,320.16	939.32	772.38	166.94	5.627			
18,021.13	8,418.00	18,969.56	9,360.00	203.66	202.90	180.000	-986.57	10,341.29	939.32	772.05	167.27	5.616			
18,100.00	8,418.00	19,048.43	9,360.00	205.28	204.52	180.000	-986.33	10,420.16	939.32	770.84	168.48	5.575			
18,121.13	8,418.00	19,069.56	9,360.00	205.71	204.96	180.000	-986.27	10,441.29	939.32	770.51	168.81	5.564			
18,200.00	8,418.00	19,148.43	9,360.00	207.33	206.57	180.000	-986.04	10,520.16	939.32	769.30	170.02	5.525			
18,221.13	8,418.00	19,169.56	9,360.00	207.77	207.01	180.000	-985.97	10,541.29	939.32	768.97	170.35	5.514			
18,300.00	8,418.00	19,248.43	9,360.00	209.39	208.62	180.000	-985.74	10,620.16	939.32	767.76	171.56	5.475			
18,321.13	8,418.00	19,269.56	9,360.00	209.82	209.06	180.000	-985.67	10,641.29	939.32	767.43	171.89	5.465			
18,400.00	8,418.00	19,348.43	9,360.00	211.44	210.68	180.000	-985.44	10,720.16	939.32	766.22	173.10	5.426			
18,421.13	8,418.00	19,369.56	9,360.00	211.88	211.11	180.000	-985.38	10,741.29	939.32	765.89	173.43	5.416			
18,500.00	8,418.00	19,448.43	9,360.00	213.50	212.73	180.000	-985.14	10,820.16	939.32	764.68	174.64	5.378			
18,521.13	8,418.00	19,469.56	9,360.00	213.93	213.16	180.000	-985.08	10,841.29	939.32	764.35	174.97	5.368			
18,600.00	8,418.00	19,548.43	9,360.00	215.55	214.78	180.000	-984.84	10,920.16	939.32	763.13	176.19	5.331			
18,621.13	8,418.00	19,569.56	9,360.00	215.99	215.21	180.000	-984.78	10,941.29	939.32	762.81	176.51	5.322			
18,700.00	8,418.00	19,648.43	9,360.00	217.61	216.83	180.000	-984.54	11,020.16	939.32	761.59	177.73	5.285			
18,721.13	8,418.00	19,669.56	9,360.00	218.04	217.27	180.000	-984.48	11,041.29	939.32	761.27	178.05	5.275			
18,800.00	8,418.00	19,748.43	9,360.00	219.67	218.89	180.000	-984.25	11,120.15	939.32	760.05	179.27	5.240			
18,821.13	8,418.00	19,769.56	9,360.00	220.10	219.32	180.000	-984.18	11,141.29	939.32	759.72	179.60	5.230			
18,900.00	8,418.00	19,848.43	9,360.00	221.72	220.94	180.000	-983.95	11,220.15	939.32	758.51	180.81	5.195			
18,921.13	8,418.00	19,869.56	9,360.00	222.16	221.37	180.000	-983.89	11,241.29	939.32	758.18	181.14	5.186			
19,000.00	8,418.00	19,948.43	9,360.00	223.78	222.99	180.000	-983.65	11,320.15	939.32	756.96	182.36	5.151			
19,021.13	8,418.00	19,969.56	9,360.00	224.21	223.43	180.000	-983.59	11,341.29	939.32	756.64	182.68	5.142			
19,100.00	8,418.00	20,048.43	9,360.00	225.84	225.05	180.000	-983.35	11,420.15	939.32	755.42	183.90	5.108			
19,121.13	8,418.00	20,069.56	9,360.00	226.27	225.48	180.000	-983.29	11,441.29	939.32	755.09	184.23	5.099			
19,200.00	8,418.00	20,148.43	9,360.00	227.89	227.10	180.000	-983.05	11,520.15	939.32	753.87	185.45	5.065			
19,221.13	8,418.00	20,169.56	9,360.00	228.33	227.54	180.000	-982.99	11,541.29	939.32	753.55	185.77	5.056			
19,300.00	8,418.00	20,248.43	9,360.00	229.95	229.16	180.000	-982.76	11,620.15	939.32	752.33	186.99	5.023			
19,316.68	8,418.00	20,265.11	9,360.00	230.29	229.50	180.000	-982.71	11,636.83	939.32	752.07	187.25	5.016			
19,378.92	8,418.00	20,327.35	9,360.00	231.57	230.78	180.000	-982.52	11,699.07	939.32	751.11	188.21	4.991			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	172.549	-39.99	5.23	40.35				
100.00	100.00	98.82	98.82	0.79	0.78	172.549	-39.99	5.23	40.33	38.77	1.56	25.819	
200.00	200.00	198.82	198.82	1.45	1.44	172.549	-39.99	5.23	40.33	37.45	2.88	13.982	
300.00	300.00	298.82	298.82	1.89	1.89	172.549	-39.99	5.23	40.33	36.55	3.78	10.675	
400.00	400.00	398.82	398.82	2.25	2.25	172.549	-39.99	5.23	40.33	35.83	4.50	8.956	
500.00	500.00	498.82	498.82	2.57	2.56	172.549	-39.99	5.23	40.33	35.20	5.13	7.859	
600.00	600.00	598.82	598.82	2.85	2.85	172.549	-39.99	5.23	40.33	34.63	5.70	7.081	
700.00	700.00	698.82	698.82	3.11	3.11	172.549	-39.99	5.23	40.33	34.12	6.21	6.491	
800.00	800.00	798.82	798.82	3.35	3.35	172.549	-39.99	5.23	40.33	33.64	6.69	6.024	
900.00	900.00	898.82	898.82	3.58	3.57	172.549	-39.99	5.23	40.33	33.18	7.15	5.643	
1,000.00	1,000.00	998.82	998.82	3.79	3.79	172.549	-39.99	5.23	40.33	32.75	7.58	5.323	
1,100.00	1,100.00	1,098.82	1,098.82	3.99	3.99	172.549	-39.99	5.23	40.33	32.34	7.99	5.050	
1,200.00	1,200.00	1,198.82	1,198.82	4.19	4.19	172.549	-39.99	5.23	40.33	31.95	8.38	4.813	
1,300.00	1,300.00	1,298.82	1,298.82	4.38	4.38	172.549	-39.99	5.23	40.33	31.57	8.76	4.605	
1,400.00	1,400.00	1,398.82	1,398.82	4.56	4.56	172.549	-39.99	5.23	40.33	31.21	9.12	4.421	
1,500.00	1,500.00	1,498.82	1,498.82	4.74	4.74	172.549	-39.99	5.23	40.33	30.85	9.48	4.256	
1,600.00	1,600.00	1,598.82	1,598.82	4.91	4.91	172.549	-39.99	5.23	40.33	30.51	9.82	4.106	
1,700.00	1,700.00	1,698.82	1,698.82	5.08	5.08	172.549	-39.99	5.23	40.33	30.17	10.16	3.971	
1,800.00	1,800.00	1,798.82	1,798.82	5.24	5.24	172.549	-39.99	5.23	40.33	29.85	10.48	3.847 CC	
1,900.00	1,899.98	1,898.80	1,898.80	5.48	5.40	-99.888	-39.99	5.23	40.59	29.80	10.79	3.760 ES	
2,000.00	1,999.92	1,998.74	1,998.74	5.63	5.56	-104.656	-39.99	5.23	41.34	30.25	11.09	3.727 SF	
2,100.00	2,099.86	2,097.23	2,097.21	5.80	5.77	-109.555	-41.42	6.05	44.00	32.56	11.44	3.845	
2,200.00	2,199.80	2,195.35	2,195.20	5.97	5.98	-114.249	-45.77	8.53	50.37	38.59	11.78	4.275	
2,300.00	2,299.74	2,292.90	2,292.39	6.15	6.20	-117.964	-52.98	12.65	60.41	48.28	12.13	4.980	
2,400.00	2,399.68	2,389.66	2,388.46	6.35	6.43	-120.564	-62.96	18.36	74.00	61.50	12.49	5.924	
2,500.00	2,499.61	2,485.42	2,483.11	6.55	6.69	-122.253	-75.61	25.59	91.01	78.14	12.86	7.075	
2,600.00	2,599.57	2,580.34	2,576.38	6.77	6.96	-56.850	-90.85	34.30	109.66	96.42	13.25	8.279	
2,700.00	2,699.50	2,674.70	2,668.48	6.94	7.25	-19.360	-108.65	44.48	128.19	114.62	13.57	9.444	
2,800.00	2,799.26	2,771.44	2,762.31	7.01	7.54	-7.771	-129.09	56.16	145.96	132.00	13.96	10.459	
2,900.00	2,898.74	2,870.36	2,858.20	7.07	7.82	-2.449	-150.18	68.22	160.57	146.17	14.40	11.151	
3,000.00	2,997.82	2,969.71	2,954.51	7.14	8.12	0.773	-171.37	80.33	171.78	156.89	14.88	11.541	
3,100.00	3,096.38	3,069.39	3,051.13	7.26	8.44	3.123	-192.62	92.48	179.58	164.17	15.42	11.648	
3,200.00	3,194.29	3,169.25	3,147.94	7.46	8.77	5.097	-213.92	104.65	184.00	168.00	16.00	11.499	
3,300.00	3,291.66	3,269.19	3,244.81	7.63	9.12	6.268	-235.23	116.83	185.94	169.42	16.52	11.253	
3,400.00	3,389.00	3,369.13	3,341.69	7.85	9.48	7.166	-256.54	129.01	187.81	170.68	17.13	10.963	
3,500.00	3,486.35	3,469.07	3,438.57	8.09	9.86	8.047	-277.85	141.20	189.73	171.95	17.78	10.672	
3,600.00	3,583.69	3,569.01	3,535.45	8.35	10.24	8.909	-299.17	153.38	191.69	173.23	18.46	10.385	
3,700.00	3,681.03	3,668.95	3,632.32	8.62	10.63	9.754	-320.48	165.56	193.69	174.52	19.17	10.105	
3,800.00	3,778.37	3,768.89	3,729.20	8.91	11.03	10.581	-341.79	177.74	195.73	175.83	19.90	9.835	
3,900.00	3,875.71	3,868.83	3,826.08	9.21	11.44	11.391	-363.10	189.93	197.81	177.16	20.66	9.577	
4,000.00	3,973.05	3,968.77	3,922.96	9.53	11.85	12.184	-384.42	202.11	199.93	178.51	21.43	9.330	
4,100.00	4,070.40	4,068.71	4,019.84	9.86	12.27	12.961	-405.73	214.29	202.09	179.88	22.22	9.097	
4,200.00	4,167.74	4,168.65	4,116.71	10.20	12.70	13.721	-427.04	226.47	204.29	181.27	23.02	8.875	
4,300.00	4,265.08	4,268.59	4,213.59	10.54	13.13	14.464	-448.35	238.65	206.52	182.69	23.83	8.667	
4,400.00	4,362.42	4,368.53	4,310.47	10.90	13.56	15.192	-469.66	250.84	208.78	184.13	24.65	8.470	
4,500.00	4,459.76	4,468.47	4,407.35	11.27	14.00	15.903	-490.98	263.02	211.08	185.60	25.48	8.285	
4,600.00	4,557.10	4,568.41	4,504.22	11.65	14.44	16.600	-512.29	275.20	213.41	187.10	26.31	8.111	
4,700.00	4,654.45	4,668.34	4,601.10	12.03	14.88	17.281	-533.60	287.38	215.77	188.62	27.15	7.947	
4,800.00	4,751.79	4,768.28	4,697.98	12.42	15.33	17.948	-554.91	299.57	218.16	190.17	27.99	7.794	
4,900.00	4,849.13	4,868.22	4,794.86	12.82	15.78	18.599	-576.22	311.75	220.58	191.74	28.83	7.650	
5,000.00	4,946.47	4,968.16	4,891.74	13.22	16.23	19.237	-597.54	323.93	223.02	193.34	29.68	7.514	
5,100.00	5,043.81	5,068.10	4,988.61	13.63	16.69	19.861	-618.85	336.11	225.50	194.97	30.53	7.387	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
5,200.00	5,141.15	5,168.04	5,085.49	14.04	17.15	20.471	-640.16	348.29	228.00	196.62	31.37	7.267	
5,300.00	5,238.50	5,267.98	5,182.37	14.46	17.61	21.068	-661.47	360.48	230.52	198.30	32.22	7.155	
5,400.00	5,335.84	5,367.92	5,279.25	14.88	18.07	21.652	-682.78	372.66	233.07	200.00	33.07	7.049	
5,500.00	5,433.18	5,467.86	5,376.12	15.30	18.53	22.223	-704.10	384.84	235.64	201.73	33.91	6.949	
5,600.00	5,530.52	5,567.80	5,473.00	15.73	18.99	22.782	-725.41	397.02	238.24	203.49	34.75	6.855	
5,700.00	5,627.86	5,667.74	5,569.88	16.16	19.46	23.329	-746.72	409.21	240.86	205.26	35.60	6.766	
5,800.00	5,725.20	5,767.68	5,666.76	16.60	19.93	23.864	-768.03	421.39	243.50	207.06	36.44	6.683	
5,900.00	5,822.55	5,867.62	5,763.64	17.03	20.39	24.387	-789.35	433.57	246.16	208.88	37.27	6.604	
6,000.00	5,919.89	5,967.56	5,860.51	17.47	20.86	24.899	-810.66	445.75	248.84	210.73	38.11	6.529	
6,100.00	6,017.23	6,067.50	5,957.39	17.92	21.33	25.401	-831.97	457.93	251.54	212.60	38.94	6.459	
6,200.00	6,114.57	6,167.44	6,054.27	18.36	21.81	25.891	-853.28	470.12	254.26	214.48	39.77	6.393	
6,300.00	6,211.91	6,267.38	6,151.15	18.81	22.28	26.372	-874.59	482.30	256.99	216.39	40.60	6.330	
6,400.00	6,309.25	6,367.32	6,248.03	19.26	22.75	26.842	-895.91	494.48	259.75	218.32	41.43	6.270	
6,500.00	6,406.60	6,467.26	6,344.90	19.71	23.23	27.302	-917.22	506.66	262.52	220.27	42.25	6.213	
6,600.00	6,503.94	6,567.20	6,441.78	20.16	23.69	27.752	-938.53	518.85	265.31	222.25	43.06	6.161	
6,700.00	6,601.28	6,676.20	6,547.89	20.61	24.21	28.380	-960.17	531.22	266.50	222.60	43.90	6.071	
6,800.00	6,698.62	6,785.51	6,655.17	21.07	24.73	29.339	-978.34	541.60	264.17	219.57	44.61	5.922	
6,900.00	6,795.96	6,894.35	6,762.70	21.52	25.22	30.674	-992.89	549.92	258.42	213.26	45.16	5.722	
7,000.00	6,893.31	7,002.42	6,870.03	21.98	25.68	32.458	-1,003.82	556.17	249.37	203.86	45.51	5.479	
7,100.00	6,990.65	7,109.43	6,976.70	22.44	26.09	34.807	-1,011.17	560.37	237.22	191.61	45.62	5.200	
7,200.00	7,087.99	7,215.09	7,082.26	22.90	26.43	37.896	-1,015.03	562.57	222.27	176.90	45.37	4.899	
7,300.00	7,185.33	7,316.99	7,184.15	23.36	26.54	41.851	-1,015.73	562.97	205.15	160.49	44.66	4.593	
7,400.00	7,283.03	7,414.68	7,281.85	23.84	26.57	45.886	-1,015.73	562.97	189.59	145.81	43.79	4.330	
7,500.00	7,381.40	7,513.06	7,380.22	24.29	26.59	49.813	-1,015.73	562.97	177.46	134.66	42.81	4.146	
7,600.00	7,480.35	7,612.00	7,479.17	24.73	26.61	53.401	-1,015.73	562.97	168.42	126.58	41.84	4.025	
7,700.00	7,579.74	7,711.39	7,578.56	25.14	26.64	56.405	-1,015.73	562.97	162.07	121.05	41.01	3.951	
7,800.00	7,679.45	7,811.10	7,678.27	25.52	26.66	58.603	-1,015.73	562.97	158.02	117.59	40.43	3.908	
7,900.00	7,779.36	7,911.02	7,778.18	25.85	26.68	59.832	-1,015.73	562.97	155.95	115.78	40.17	3.882	
7,945.03	7,824.37	7,956.03	7,823.19	25.91	26.69	90.000	-1,015.73	562.97	155.69	115.65	40.04	3.889	
8,000.00	7,879.34	8,010.99	7,878.16	25.99	26.71	103.508	-1,015.73	562.97	155.81	115.78	40.03	3.892	
8,100.00	7,978.13	8,109.78	7,976.95	26.30	26.73	108.165	-1,015.73	562.97	159.87	121.68	38.19	4.186	
8,200.00	8,072.88	8,204.53	8,071.70	26.67	26.75	116.600	-1,015.73	562.97	172.58	137.60	34.98	4.934	
8,300.00	8,160.71	8,292.36	8,159.53	27.06	26.77	125.657	-1,015.73	562.97	199.77	167.14	32.63	6.122	
8,400.00	8,238.94	8,370.60	8,237.76	27.45	26.79	132.673	-1,015.73	562.97	244.81	212.06	32.74	7.477	
8,500.00	8,305.21	8,436.87	8,304.03	27.84	26.81	136.403	-1,015.73	562.97	307.00	272.53	34.47	8.906	
8,600.00	8,357.50	8,489.15	8,356.32	28.22	26.82	136.114	-1,015.73	562.97	383.32	346.83	36.50	10.503	
8,700.00	8,394.21	8,525.87	8,393.03	28.61	26.83	129.952	-1,015.73	562.97	470.08	431.86	38.22	12.299	
8,800.00	8,414.24	8,545.89	8,413.06	29.03	26.83	112.290	-1,015.73	562.97	563.59	524.06	39.53	14.257	
8,900.00	8,418.00	8,549.66	8,416.82	29.51	26.84	90.000	-1,015.73	562.97	660.36	619.91	40.45	16.325	
9,000.00	8,418.00	8,549.66	8,416.82	30.15	26.84	90.000	-1,015.73	562.97	758.58	717.52	41.06	18.476	
9,100.00	8,418.00	8,549.66	8,416.82	30.97	26.84	90.000	-1,015.73	562.97	857.70	816.25	41.44	20.695	
9,200.00	8,418.00	8,549.66	8,416.82	31.96	26.84	90.000	-1,015.73	562.97	957.33	915.66	41.68	22.971	
9,300.00	8,418.00	8,549.66	8,416.82	33.12	26.84	90.000	-1,015.73	562.97	1,057.24	1,015.44	41.79	25.296	
9,400.00	8,418.00	8,549.66	8,416.82	34.39	26.84	0.000	-1,015.73	562.97	1,157.23	1,115.39	41.84	27.661	
9,500.00	8,418.00	8,549.66	8,416.82	35.77	26.84	0.000	-1,015.73	562.97	1,257.23	1,215.37	41.86	30.033	
9,600.00	8,418.00	8,549.66	8,416.82	37.23	26.84	0.000	-1,015.73	562.97	1,357.23	1,315.34	41.89	32.401	
9,700.00	8,418.00	8,549.66	8,416.82	38.77	26.84	0.000	-1,015.73	562.97	1,457.23	1,415.31	41.92	34.765	
9,800.00	8,418.00	8,549.66	8,416.82	40.36	26.84	0.000	-1,015.73	562.97	1,557.23	1,515.28	41.95	37.125	
9,900.00	8,418.00	8,549.66	8,416.82	42.00	26.84	0.000	-1,015.73	562.97	1,657.23	1,615.25	41.98	39.480	
10,000.00	8,418.00	8,549.66	8,416.82	43.69	26.84	0.000	-1,015.73	562.97	1,757.23	1,715.22	42.01	41.830	
10,100.00	8,418.00	11,919.15	10,175.00	45.41	46.35	180.000	-1,010.19	2,420.19	1,758.18	1,705.95	52.23	33.660	
10,121.13	8,418.00	11,940.28	10,175.00	45.78	46.71	180.000	-1,010.12	2,441.33	1,758.18	1,705.70	52.48	33.501	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1											Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1											Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		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)	
10,200.00	8,418.00	12,019.15	10,175.00	47.16	48.08	180.000	-1,009.89	2,520.19	1,758.18	1,704.77	53.41
10,221.13	8,418.00	12,040.28	10,175.00	47.54	48.45	180.000	-1,009.83	2,541.33	1,758.18	1,704.52	53.66
10,300.00	8,418.00	12,119.15	10,175.00	48.94	49.84	180.000	-1,009.59	2,620.19	1,758.18	1,703.57	54.61
10,321.13	8,418.00	12,140.28	10,175.00	49.32	50.21	180.000	-1,009.53	2,641.32	1,758.18	1,703.32	54.86
10,400.00	8,418.00	12,219.15	10,175.00	50.74	51.62	180.000	-1,009.29	2,720.19	1,758.18	1,702.36	55.82
10,421.13	8,418.00	12,240.28	10,175.00	51.13	52.00	180.000	-1,009.23	2,741.32	1,758.18	1,702.10	56.08
10,500.00	8,418.00	12,319.15	10,175.00	52.57	53.43	180.000	-1,009.00	2,820.19	1,758.18	1,701.13	57.05
10,521.13	8,418.00	12,340.28	10,175.00	52.95	53.81	180.000	-1,008.93	2,841.32	1,758.18	1,700.87	57.31
10,600.00	8,418.00	12,419.15	10,175.00	54.41	55.25	180.000	-1,008.70	2,920.19	1,758.18	1,699.88	58.30
10,621.13	8,418.00	12,440.28	10,175.00	54.80	55.64	180.000	-1,008.63	2,941.32	1,758.18	1,699.62	58.56
10,700.00	8,418.00	12,519.15	10,175.00	56.26	57.10	180.000	-1,008.40	3,020.19	1,758.18	1,698.62	59.56
10,721.13	8,418.00	12,540.28	10,175.00	56.66	57.49	180.000	-1,008.34	3,041.32	1,758.18	1,698.35	59.83
10,800.00	8,418.00	12,619.15	10,175.00	58.14	58.96	180.000	-1,008.10	3,120.19	1,758.18	1,697.34	60.84
10,821.13	8,418.00	12,640.28	10,175.00	58.53	59.35	180.000	-1,008.04	3,141.32	1,758.18	1,697.07	61.11
10,900.00	8,418.00	12,719.15	10,175.00	60.02	60.83	180.000	-1,007.80	3,220.19	1,758.18	1,696.05	62.13
10,921.13	8,418.00	12,740.28	10,175.00	60.42	61.23	180.000	-1,007.74	3,241.32	1,758.18	1,695.78	62.40
11,000.00	8,418.00	12,819.15	10,175.00	61.92	62.72	180.000	-1,007.50	3,320.19	1,758.18	1,694.75	63.43
11,021.13	8,418.00	12,840.28	10,175.00	62.32	63.12	180.000	-1,007.44	3,341.32	1,758.18	1,694.47	63.71
11,100.00	8,418.00	12,919.15	10,175.00	63.83	64.62	180.000	-1,007.21	3,420.19	1,758.18	1,693.44	64.74
11,121.13	8,418.00	12,940.28	10,175.00	64.23	65.02	180.000	-1,007.14	3,441.32	1,758.18	1,693.16	65.02
11,200.00	8,418.00	13,019.15	10,175.00	65.75	66.53	180.000	-1,006.91	3,520.19	1,758.18	1,692.11	66.07
11,221.13	8,418.00	13,040.28	10,175.00	66.15	66.94	180.000	-1,006.84	3,541.32	1,758.18	1,691.83	66.35
11,300.00	8,418.00	13,119.15	10,175.00	67.67	68.45	180.000	-1,006.61	3,620.19	1,758.18	1,690.78	67.40
11,321.13	8,418.00	13,140.28	10,175.00	68.08	68.86	180.000	-1,006.55	3,641.32	1,758.18	1,690.49	67.69
11,400.00	8,418.00	13,219.15	10,175.00	69.61	70.38	180.000	-1,006.31	3,720.19	1,758.18	1,689.43	68.75
11,421.13	8,418.00	13,240.28	10,175.00	70.02	70.79	180.000	-1,006.25	3,741.32	1,758.18	1,689.14	69.04
11,500.00	8,418.00	13,319.15	10,175.00	71.55	72.31	180.000	-1,006.01	3,820.19	1,758.18	1,688.08	70.10
11,521.13	8,418.00	13,340.28	10,175.00	71.96	72.73	180.000	-1,005.95	3,841.32	1,758.18	1,687.79	70.39
11,600.00	8,418.00	13,419.15	10,175.00	73.50	74.26	180.000	-1,005.72	3,920.19	1,758.18	1,686.71	71.47
11,621.13	8,418.00	13,440.28	10,175.00	73.91	74.67	180.000	-1,005.65	3,941.32	1,758.18	1,686.42	71.76
11,700.00	8,418.00	13,519.15	10,175.00	75.46	76.21	180.000	-1,005.42	4,020.19	1,758.18	1,685.34	72.84
11,721.13	8,418.00	13,540.28	10,175.00	75.87	76.62	180.000	-1,005.35	4,041.32	1,758.18	1,685.05	73.13
11,800.00	8,418.00	13,619.15	10,175.00	77.42	78.17	180.000	-1,005.12	4,120.19	1,758.18	1,683.96	74.22
11,821.13	8,418.00	13,640.28	10,175.00	77.83	78.58	180.000	-1,005.06	4,141.32	1,758.18	1,683.67	74.51
11,900.00	8,418.00	13,719.15	10,175.00	79.38	80.13	180.000	-1,004.82	4,220.19	1,758.18	1,682.58	75.60
11,921.13	8,418.00	13,740.28	10,175.00	79.80	80.54	180.000	-1,004.76	4,241.32	1,758.18	1,682.28	75.90
12,000.00	8,418.00	13,819.15	10,175.00	81.36	82.10	180.000	-1,004.52	4,320.18	1,758.18	1,681.18	77.00
12,021.13	8,418.00	13,840.28	10,175.00	81.77	82.51	180.000	-1,004.46	4,341.32	1,758.18	1,680.89	77.29
12,100.00	8,418.00	13,919.15	10,175.00	83.33	84.07	180.000	-1,004.22	4,420.18	1,758.18	1,679.78	78.40
12,121.13	8,418.00	13,940.28	10,175.00	83.75	84.49	180.000	-1,004.16	4,441.32	1,758.18	1,679.48	78.70
12,200.00	8,418.00	14,019.15	10,175.00	85.31	86.05	180.000	-1,003.93	4,520.18	1,758.18	1,678.37	79.81
12,221.13	8,418.00	14,040.28	10,175.00	85.73	86.46	180.000	-1,003.86	4,541.32	1,758.18	1,678.08	80.10
12,300.00	8,418.00	14,119.15	10,175.00	87.30	88.03	180.000	-1,003.63	4,620.18	1,758.18	1,676.96	81.22
12,321.13	8,418.00	14,140.28	10,175.00	87.72	88.45	180.000	-1,003.56	4,641.32	1,758.18	1,676.66	81.52
12,400.00	8,418.00	14,219.15	10,175.00	89.29	90.01	180.000	-1,003.33	4,720.18	1,758.18	1,675.54	82.64
12,421.13	8,418.00	14,240.28	10,175.00	89.71	90.43	180.000	-1,003.27	4,741.32	1,758.18	1,675.24	82.94
12,500.00	8,418.00	14,319.15	10,175.00	91.28	92.00	180.000	-1,003.03	4,820.18	1,758.18	1,674.12	84.06
12,521.13	8,418.00	14,340.28	10,175.00	91.70	92.42	180.000	-1,002.97	4,841.31	1,758.18	1,673.82	84.36
12,600.00	8,418.00	14,419.15	10,175.00	93.28	94.00	180.000	-1,002.73	4,920.18	1,758.18	1,672.69	85.49
12,621.13	8,418.00	14,440.28	10,175.00	93.70	94.42	180.000	-1,002.67	4,941.31	1,758.18	1,672.39	85.79
12,700.00	8,418.00	14,519.15	10,175.00	95.27	95.99	180.000	-1,002.44	5,020.18	1,758.18	1,671.26	86.92
12,721.13	8,418.00	14,540.28	10,175.00	95.70	96.41	180.000	-1,002.37	5,041.31	1,758.18	1,670.96	87.22

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1											Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1											Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		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)	
12,800.00	8,418.00	14,619.15	10,175.00	97.28	97.99	180.000	-1,002.14	5,120.18	1,758.18	1,669.82	88.36
12,821.13	8,418.00	14,640.28	10,175.00	97.70	98.41	180.000	-1,002.07	5,141.31	1,758.18	1,669.52	88.66
12,900.00	8,418.00	14,719.15	10,175.00	99.28	99.99	180.000	-1,001.84	5,220.18	1,758.18	1,668.38	89.80
12,921.13	8,418.00	14,740.28	10,175.00	99.70	100.42	180.000	-1,001.78	5,241.31	1,758.18	1,668.07	90.11
13,000.00	8,418.00	14,819.15	10,175.00	101.29	102.00	180.000	-1,001.54	5,320.18	1,758.18	1,666.93	91.25
13,021.13	8,418.00	14,840.28	10,175.00	101.71	102.42	180.000	-1,001.48	5,341.31	1,758.18	1,666.63	91.55
13,100.00	8,418.00	14,919.15	10,175.00	103.30	104.00	180.000	-1,001.24	5,420.18	1,758.18	1,665.48	92.70
13,121.13	8,418.00	14,940.28	10,175.00	103.72	104.43	180.000	-1,001.18	5,441.31	1,758.18	1,665.18	93.00
13,200.00	8,418.00	15,019.15	10,175.00	105.31	106.01	180.000	-1,000.94	5,520.18	1,758.18	1,664.03	94.15
13,221.13	8,418.00	15,040.28	10,175.00	105.73	106.44	180.000	-1,000.88	5,541.31	1,758.18	1,663.72	94.46
13,300.00	8,418.00	15,119.15	10,175.00	107.32	108.03	180.000	-1,000.65	5,620.18	1,758.18	1,662.57	95.61
13,321.13	8,418.00	15,140.28	10,175.00	107.75	108.45	180.000	-1,000.58	5,641.31	1,758.18	1,662.26	95.92
13,400.00	8,418.00	15,219.15	10,175.00	109.34	110.04	180.000	-1,000.35	5,720.18	1,758.18	1,661.11	97.07
13,421.13	8,418.00	15,240.28	10,175.00	109.76	110.47	180.000	-1,000.28	5,741.31	1,758.18	1,660.80	97.38
13,500.00	8,418.00	15,319.15	10,175.00	111.36	112.06	180.000	-1,000.05	5,820.18	1,758.18	1,659.64	98.54
13,521.13	8,418.00	15,340.28	10,175.00	111.78	112.48	180.000	-999.99	5,841.31	1,758.18	1,659.33	98.85
13,600.00	8,418.00	15,419.15	10,175.00	113.38	114.07	180.000	-999.75	5,920.18	1,758.18	1,658.18	100.00
13,621.13	8,418.00	15,440.28	10,175.00	113.80	114.50	180.000	-999.69	5,941.31	1,758.18	1,657.87	100.31
13,700.00	8,418.00	15,519.15	10,175.00	115.40	116.09	180.000	-999.45	6,020.18	1,758.18	1,656.71	101.47
13,721.13	8,418.00	15,540.28	10,175.00	115.82	116.52	180.000	-999.39	6,041.31	1,758.18	1,656.39	101.79
13,800.00	8,418.00	15,619.15	10,175.00	117.42	118.12	180.000	-999.16	6,120.18	1,758.18	1,655.23	102.95
13,821.13	8,418.00	15,640.28	10,175.00	117.85	118.54	180.000	-999.09	6,141.31	1,758.18	1,654.92	103.26
13,900.00	8,418.00	15,719.15	10,175.00	119.44	120.14	180.000	-998.86	6,220.18	1,758.18	1,653.76	104.42
13,921.13	8,418.00	15,740.28	10,175.00	119.87	120.57	180.000	-998.79	6,241.31	1,758.18	1,653.44	104.74
14,000.00	8,418.00	15,819.15	10,175.00	121.47	122.16	180.000	-998.56	6,320.18	1,758.18	1,652.28	105.90
14,021.13	8,418.00	15,840.28	10,175.00	121.90	122.59	180.000	-998.50	6,341.31	1,758.18	1,651.96	106.22
14,100.00	8,418.00	15,919.15	10,175.00	123.50	124.19	180.000	-998.26	6,420.18	1,758.18	1,650.80	107.38
14,121.13	8,418.00	15,940.28	10,175.00	123.93	124.62	180.000	-998.20	6,441.31	1,758.18	1,650.48	107.70
14,200.00	8,418.00	16,019.15	10,175.00	125.53	126.22	180.000	-997.96	6,520.17	1,758.18	1,649.31	108.87
14,221.13	8,418.00	16,040.28	10,175.00	125.96	126.65	180.000	-997.90	6,541.31	1,758.18	1,649.00	109.18
14,300.00	8,418.00	16,119.15	10,175.00	127.56	128.25	180.000	-997.66	6,620.17	1,758.18	1,647.82	110.36
14,321.13	8,418.00	16,140.28	10,175.00	127.99	128.68	180.000	-997.60	6,641.31	1,758.18	1,647.51	110.67
14,400.00	8,418.00	16,219.15	10,175.00	129.59	130.28	180.000	-997.37	6,720.17	1,758.18	1,646.34	111.84
14,421.13	8,418.00	16,240.28	10,175.00	130.02	130.71	180.000	-997.30	6,741.31	1,758.18	1,646.02	112.16
14,500.00	8,418.00	16,319.15	10,175.00	131.62	132.31	180.000	-997.07	6,820.17	1,758.18	1,644.84	113.34
14,521.13	8,418.00	16,340.28	10,175.00	132.05	132.74	180.000	-997.00	6,841.31	1,758.18	1,644.53	113.65
14,600.00	8,418.00	16,419.15	10,175.00	133.65	134.34	180.000	-996.77	6,920.17	1,758.18	1,643.35	114.83
14,621.13	8,418.00	16,440.28	10,175.00	134.08	134.77	180.000	-996.71	6,941.31	1,758.18	1,643.04	115.14
14,700.00	8,418.00	16,519.15	10,175.00	135.69	136.37	180.000	-996.47	7,020.17	1,758.18	1,641.86	116.32
14,721.13	8,418.00	16,540.28	10,175.00	136.12	136.80	180.000	-996.41	7,041.31	1,758.18	1,641.54	116.64
14,800.00	8,418.00	16,619.15	10,175.00	137.72	138.41	180.000	-996.17	7,120.17	1,758.18	1,640.36	117.82
14,821.13	8,418.00	16,640.28	10,175.00	138.15	138.84	180.000	-996.11	7,141.30	1,758.18	1,640.04	118.14
14,900.00	8,418.00	16,719.15	10,175.00	139.76	140.45	180.000	-995.88	7,220.17	1,758.18	1,638.86	119.32
14,921.13	8,418.00	16,740.28	10,175.00	140.19	140.88	180.000	-995.81	7,241.30	1,758.18	1,638.54	119.64
15,000.00	8,418.00	16,819.15	10,175.00	141.80	142.48	180.000	-995.58	7,320.17	1,758.18	1,637.36	120.82
15,021.13	8,418.00	16,840.28	10,175.00	142.23	142.91	180.000	-995.51	7,341.30	1,758.18	1,637.04	121.14
15,100.00	8,418.00	16,919.15	10,175.00	143.84	144.52	180.000	-995.28	7,420.17	1,758.18	1,635.86	122.32
15,121.13	8,418.00	16,940.28	10,175.00	144.27	144.95	180.000	-995.22	7,441.30	1,758.18	1,635.54	122.64
15,200.00	8,418.00	17,019.15	10,175.00	145.88	146.56	180.000	-994.98	7,520.17	1,758.18	1,634.35	123.83
15,221.13	8,418.00	17,040.28	10,175.00	146.31	146.99	180.000	-994.92	7,541.30	1,758.18	1,634.04	124.14
15,300.00	8,418.00	17,119.15	10,175.00	147.92	148.60	180.000	-994.68	7,620.17	1,758.18	1,632.85	125.33
15,321.13	8,418.00	17,140.28	10,175.00	148.35	149.03	180.000	-994.62	7,641.30	1,758.18	1,632.53	125.65

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1													Offset Site Error:	0.00 usft			
Survey Program:		0-MWD+IFR1		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Distance		Warning	Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
15,400.00	8,418.00	17,219.15	10,175.00	149.96	150.64	180.000	-994.38	7,720.17	1,758.18	1,631.34	126.84	13.862					
15,421.13	8,418.00	17,240.28	10,175.00	150.39	151.07	180.000	-994.32	7,741.30	1,758.18	1,631.02	127.16	13.827					
15,500.00	8,418.00	17,319.15	10,175.00	152.00	152.68	180.000	-994.09	7,820.17	1,758.18	1,629.83	128.35	13.699					
15,521.13	8,418.00	17,340.28	10,175.00	152.43	153.11	180.000	-994.02	7,841.30	1,758.18	1,629.51	128.67	13.665					
15,600.00	8,418.00	17,419.15	10,175.00	154.04	154.72	180.000	-993.79	7,920.17	1,758.18	1,628.32	129.86	13.539					
15,621.13	8,418.00	17,440.28	10,175.00	154.47	155.15	180.000	-993.72	7,941.30	1,758.18	1,628.00	130.18	13.506					
15,700.00	8,418.00	17,519.15	10,175.00	156.08	156.76	180.000	-993.49	8,020.17	1,758.18	1,626.81	131.37	13.384					
15,721.13	8,418.00	17,540.28	10,175.00	156.52	157.20	180.000	-993.43	8,041.30	1,758.18	1,626.49	131.69	13.351					
15,800.00	8,418.00	17,619.15	10,175.00	158.13	158.81	180.000	-993.19	8,120.17	1,758.18	1,625.30	132.88	13.231					
15,821.13	8,418.00	17,640.28	10,175.00	158.56	159.24	180.000	-993.13	8,141.30	1,758.18	1,624.98	133.20	13.199					
15,900.00	8,418.00	17,719.15	10,175.00	160.17	160.85	180.000	-992.89	8,220.17	1,758.18	1,623.78	134.40	13.082					
15,921.13	8,418.00	17,740.28	10,175.00	160.61	161.28	180.000	-992.83	8,241.30	1,758.18	1,623.46	134.72	13.051					
16,000.00	8,418.00	17,819.15	10,175.00	162.22	162.90	180.000	-992.60	8,320.17	1,758.18	1,622.27	135.91	12.936					
16,021.13	8,418.00	17,840.28	10,175.00	162.65	163.33	180.000	-992.53	8,341.30	1,758.18	1,621.95	136.23	12.906					
16,100.00	8,418.00	17,919.15	10,175.00	164.26	164.94	180.000	-992.30	8,420.17	1,758.18	1,620.75	137.43	12.794					
16,121.13	8,418.00	17,940.28	10,175.00	164.70	165.37	180.000	-992.23	8,441.30	1,758.18	1,620.43	137.75	12.764					
16,200.00	8,418.00	18,019.15	10,175.00	166.31	166.99	180.000	-992.00	8,520.17	1,758.18	1,619.24	138.94	12.654					
16,221.13	8,418.00	18,040.28	10,175.00	166.74	167.42	180.000	-991.94	8,541.30	1,758.18	1,618.91	139.27	12.625					
16,300.00	8,418.00	18,119.15	10,175.00	168.36	169.03	180.000	-991.70	8,620.17	1,758.18	1,617.72	140.46	12.517					
16,321.13	8,418.00	18,140.28	10,175.00	168.79	169.47	180.000	-991.64	8,641.30	1,758.18	1,617.40	140.78	12.488					
16,400.00	8,418.00	18,219.15	10,175.00	170.40	171.08	180.000	-991.40	8,720.17	1,758.18	1,616.20	141.98	12.383					
16,421.13	8,418.00	18,240.28	10,175.00	170.84	171.51	180.000	-991.34	8,741.30	1,758.18	1,615.88	142.30	12.355					
16,500.00	8,418.00	18,319.15	10,175.00	172.45	173.13	180.000	-991.10	8,820.16	1,758.18	1,614.68	143.50	12.252					
16,521.13	8,418.00	18,340.28	10,175.00	172.89	173.56	180.000	-991.04	8,841.30	1,758.18	1,614.35	143.83	12.224					
16,600.00	8,418.00	18,419.15	10,175.00	174.50	175.17	180.000	-990.81	8,920.16	1,758.18	1,613.15	145.03	12.123					
16,621.13	8,418.00	18,440.28	10,175.00	174.93	175.61	180.000	-990.74	8,941.30	1,758.18	1,612.83	145.35	12.096					
16,700.00	8,418.00	18,519.15	10,175.00	176.55	177.22	180.000	-990.51	9,020.16	1,758.18	1,611.63	146.55	11.997					
16,721.13	8,418.00	18,540.28	10,175.00	176.98	177.66	180.000	-990.44	9,041.30	1,758.18	1,611.31	146.87	11.971					
16,800.00	8,418.00	18,619.15	10,175.00	178.60	179.27	180.000	-990.21	9,120.16	1,758.18	1,610.11	148.07	11.874					
16,821.13	8,418.00	18,640.28	10,175.00	179.03	179.71	180.000	-990.15	9,141.30	1,758.18	1,609.78	148.40	11.848					
16,900.00	8,418.00	18,719.15	10,175.00	180.65	181.32	180.000	-989.91	9,220.16	1,758.18	1,608.58	149.60	11.753					
16,921.13	8,418.00	18,740.28	10,175.00	181.08	181.75	180.000	-989.85	9,241.30	1,758.18	1,608.26	149.92	11.727					
17,000.00	8,418.00	18,819.15	10,175.00	182.70	183.37	180.000	-989.61	9,320.16	1,758.18	1,607.06	151.12	11.634					
17,021.13	8,418.00	18,840.28	10,175.00	183.13	183.80	180.000	-989.55	9,341.29	1,758.18	1,606.73	151.45	11.609					
17,100.00	8,418.00	18,919.15	10,175.00	184.75	185.42	180.000	-989.32	9,420.16	1,758.18	1,605.53	152.65	11.518					
17,121.13	8,418.00	18,940.28	10,175.00	185.18	185.86	180.000	-989.25	9,441.29	1,758.18	1,605.21	152.97	11.493					
17,200.00	8,418.00	19,019.15	10,175.00	186.80	187.47	180.000	-989.02	9,520.16	1,758.18	1,604.00	154.18	11.404					
17,221.13	8,418.00	19,040.28	10,175.00	187.23	187.91	180.000	-988.95	9,541.29	1,758.18	1,603.68	154.50	11.380					
17,300.00	8,418.00	19,119.15	10,175.00	188.85	189.52	180.000	-988.72	9,620.16	1,758.18	1,602.47	155.71	11.292					
17,321.13	8,418.00	19,140.28	10,175.00	189.29	189.96	180.000	-988.66	9,641.29	1,758.18	1,602.15	156.03	11.268					
17,400.00	8,418.00	19,219.15	10,175.00	190.90	191.58	180.000	-988.42	9,720.16	1,758.18	1,600.94	157.24	11.182					
17,421.13	8,418.00	19,240.28	10,175.00	191.34	192.01	180.000	-988.36	9,741.29	1,758.18	1,600.62	157.56	11.159					
17,500.00	8,418.00	19,319.15	10,175.00	192.96	193.63	180.000	-988.12	9,820.16	1,758.18	1,599.41	158.77	11.074					
17,521.13	8,418.00	19,340.28	10,175.00	193.39	194.06	180.000	-988.06	9,841.29	1,758.18	1,599.09	159.09	11.052					
17,600.00	8,418.00	19,419.15	10,175.00	195.01	195.68	180.000	-987.82	9,920.16	1,758.18	1,597.88	160.30	10.968					
17,621.13	8,418.00	19,440.28	10,175.00	195.44	196.11	180.000	-987.76	9,941.29	1,758.18	1,597.56	160.62	10.946					
17,700.00	8,418.00	19,519.15	10,175.00	197.06	197.73	180.000	-987.53	10,020.16	1,758.18	1,596.35	161.83	10.864					
17,721.13	8,418.00	19,540.28	10,175.00	197.50	198.17	180.000	-987.46	10,041.29	1,758.18	1,596.03	162.15	10.843					
17,800.00	8,418.00	19,619.15	10,175.00	199.12	199.79	180.000	-987.23	10,120.16	1,758.18	1,594.82	163.36	10.763					
17,821.13	8,418.00	19,640.28	10,175.00	199.55	200.22	180.000	-987.17	10,141.29	1,758.18	1,594.50	163.68	10.741					
17,900.00	8,418.00	19,719.15	10,175.00	201.17	201.84	180.000	-986.93	10,220.16	1,758.18	1,593.29	164.89	10.663					
17,921.13	8,418.00	19,740.28	10,175.00	201.60	202.27	180.000	-986.87	10,241.29	1,758.18	1,592.96	165.22	10.642					

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+IFR1 <th colspan="4"></th> <th colspan="4">Rule Assigned:</th> <th>Offset Well Error:</th> <td>0.00 usft</td>								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			
18,000.00	8,418.00	19,819.15	10,175.00	203.22	203.89	180.000	-986.63	10,320.16	1,758.18	1,591.75	166.43	10.564			
18,021.13	8,418.00	19,840.28	10,175.00	203.66	204.33	180.000	-986.57	10,341.29	1,758.18	1,591.43	166.75	10.544			
18,100.00	8,418.00	19,919.15	10,175.00	205.28	205.95	180.000	-986.33	10,420.16	1,758.18	1,590.22	167.96	10.468			
18,121.13	8,418.00	19,940.28	10,175.00	205.71	206.38	180.000	-986.27	10,441.29	1,758.18	1,589.89	168.29	10.448			
18,200.00	8,418.00	20,019.15	10,175.00	207.33	208.00	180.000	-986.04	10,520.16	1,758.18	1,588.68	169.50	10.373			
18,221.13	8,418.00	20,040.28	10,175.00	207.77	208.43	180.000	-985.97	10,541.29	1,758.18	1,588.36	169.82	10.353			
18,300.00	8,418.00	20,119.15	10,175.00	209.39	210.06	180.000	-985.74	10,620.16	1,758.18	1,587.15	171.03	10.280			
18,321.13	8,418.00	20,140.28	10,175.00	209.82	210.49	180.000	-985.67	10,641.29	1,758.18	1,586.82	171.36	10.260			
18,400.00	8,418.00	20,219.15	10,175.00	211.44	212.11	180.000	-985.44	10,720.16	1,758.18	1,585.61	172.57	10.188			
18,421.13	8,418.00	20,240.28	10,175.00	211.88	212.54	180.000	-985.38	10,741.29	1,758.18	1,585.29	172.89	10.169			
18,500.00	8,418.00	20,319.15	10,175.00	213.50	214.17	180.000	-985.14	10,820.16	1,758.18	1,584.08	174.10	10.098			
18,521.13	8,418.00	20,340.28	10,175.00	213.93	214.60	180.000	-985.08	10,841.29	1,758.18	1,583.75	174.43	10.080			
18,600.00	8,418.00	20,419.15	10,175.00	215.55	216.22	180.000	-984.84	10,920.16	1,758.18	1,582.54	175.64	10.010			
18,621.13	8,418.00	20,440.28	10,175.00	215.99	216.66	180.000	-984.78	10,941.29	1,758.18	1,582.21	175.97	9.992			
18,700.00	8,418.00	20,519.15	10,175.00	217.61	218.28	180.000	-984.54	11,020.16	1,758.18	1,581.00	177.18	9.923			
18,721.13	8,418.00	20,540.28	10,175.00	218.04	218.71	180.000	-984.48	11,041.29	1,758.18	1,580.67	177.51	9.905			
18,800.00	8,418.00	20,619.15	10,175.00	219.67	220.33	180.000	-984.25	11,120.15	1,758.18	1,579.46	178.72	9.838			
18,821.13	8,418.00	20,640.28	10,175.00	220.10	220.77	180.000	-984.18	11,141.29	1,758.18	1,579.14	179.04	9.820			
18,900.00	8,418.00	20,719.15	10,175.00	221.72	222.39	180.000	-983.95	11,220.15	1,758.18	1,577.92	180.26	9.754			
18,921.13	8,418.00	20,740.28	10,175.00	222.16	222.82	180.000	-983.89	11,241.29	1,758.18	1,577.60	180.58	9.736			
19,000.00	8,418.00	20,819.15	10,175.00	223.78	224.45	180.000	-983.65	11,320.15	1,758.18	1,576.38	181.80	9.671			
19,021.13	8,418.00	20,840.28	10,175.00	224.21	224.88	180.000	-983.59	11,341.29	1,758.18	1,576.06	182.12	9.654			
19,100.00	8,418.00	20,919.15	10,175.00	225.84	226.50	180.000	-983.35	11,420.15	1,758.18	1,574.84	183.34	9.590			
19,121.13	8,418.00	20,940.28	10,175.00	226.27	226.94	180.000	-983.29	11,441.29	1,758.18	1,574.52	183.66	9.573			
19,200.00	8,418.00	21,019.15	10,175.00	227.89	228.56	180.000	-983.05	11,520.15	1,758.18	1,573.30	184.88	9.510			
19,221.13	8,418.00	21,040.28	10,175.00	228.33	228.99	180.000	-982.99	11,541.29	1,758.18	1,572.98	185.20	9.493			
19,300.00	8,418.00	21,119.15	10,175.00	229.95	230.62	180.000	-982.76	11,620.15	1,758.18	1,571.76	186.42	9.431			
19,316.68	8,418.00	21,135.83	10,175.00	230.29	230.96	180.000	-982.71	11,636.83	1,758.18	1,571.50	186.68	9.418			
19,378.92	8,418.00	21,198.07	10,175.00	231.57	232.24	180.000	-982.52	11,699.07	1,758.18	1,570.55	187.63	9.370			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	171.161	-20.00	3.11	20.24				
100.00	100.00	99.77	99.77	0.79	0.78	171.161	-20.00	3.11	20.24	18.67	1.57	12.896	
200.00	200.00	199.77	199.77	1.45	1.44	171.161	-20.00	3.11	20.24	17.35	2.89	7.002	
300.00	300.00	299.77	299.77	1.89	1.89	171.161	-20.00	3.11	20.24	16.46	3.78	5.351	
400.00	400.00	399.77	399.77	2.25	2.25	171.161	-20.00	3.11	20.24	15.73	4.51	4.491	
500.00	500.00	499.77	499.77	2.57	2.57	171.161	-20.00	3.11	20.24	15.11	5.13	3.942	
600.00	600.00	599.77	599.77	2.85	2.85	171.161	-20.00	3.11	20.24	14.54	5.70	3.552	
700.00	700.00	699.77	699.77	3.11	3.11	171.161	-20.00	3.11	20.24	14.02	6.22	3.256	
800.00	800.00	799.77	799.77	3.35	3.35	171.161	-20.00	3.11	20.24	13.54	6.70	3.022	
900.00	900.00	899.77	899.77	3.58	3.57	171.161	-20.00	3.11	20.24	13.09	7.15	2.831	
1,000.00	1,000.00	999.77	999.77	3.79	3.79	171.161	-20.00	3.11	20.24	12.66	7.58	2.671	
1,100.00	1,100.00	1,099.77	1,099.77	3.99	3.99	171.161	-20.00	3.11	20.24	12.25	7.99	2.534	
1,200.00	1,200.00	1,199.77	1,199.77	4.19	4.19	171.161	-20.00	3.11	20.24	11.86	8.38	2.415	
1,300.00	1,300.00	1,299.77	1,299.77	4.38	4.38	171.161	-20.00	3.11	20.24	11.48	8.76	2.311	
1,400.00	1,400.00	1,399.77	1,399.77	4.56	4.56	171.161	-20.00	3.11	20.24	11.12	9.12	2.218	
1,500.00	1,500.00	1,499.77	1,499.77	4.74	4.74	171.161	-20.00	3.11	20.24	10.76	9.48	2.135	
1,600.00	1,600.00	1,599.77	1,599.77	4.91	4.91	171.161	-20.00	3.11	20.24	10.42	9.82	2.061	
1,700.00	1,700.00	1,699.77	1,699.77	5.08	5.08	171.161	-20.00	3.11	20.24	10.08	10.16	1.993 Level 3	
1,800.00	1,800.00	1,799.77	1,799.77	5.24	5.24	171.161	-20.00	3.11	20.24	9.76	10.48	1.930 Level 3, CC, ES	
1,900.00	1,899.98	1,899.75	1,899.75	5.48	5.40	-103.637	-20.00	3.11	20.58	9.78	10.80	1.906 Level 3, SF	
2,000.00	1,999.92	1,999.69	1,999.69	5.63	5.56	-112.636	-20.00	3.11	21.67	10.57	11.10	1.952 Level 3	
2,100.00	2,099.86	2,099.99	2,099.94	5.80	5.94	-126.850	-17.93	4.71	22.41	10.97	11.44	1.959 Level 3	
2,200.00	2,199.80	2,199.52	2,199.15	5.97	6.32	-151.503	-11.76	9.47	24.68	12.88	11.79	2.092	
2,300.00	2,299.74	2,297.75	2,296.55	6.15	6.69	-177.092	-1.67	17.27	33.15	20.80	12.35	2.685	
2,400.00	2,399.68	2,394.21	2,391.42	6.35	7.07	165.516	12.08	27.89	49.27	36.32	12.95	3.804	
2,500.00	2,499.61	2,489.54	2,484.26	6.55	7.26	155.231	29.16	41.08	71.73	58.38	13.35	5.374	
2,600.00	2,599.57	2,586.09	2,578.07	6.77	7.49	-144.616	47.25	55.05	95.98	82.19	13.80	6.957	
2,700.00	2,699.50	2,682.47	2,671.71	6.94	7.75	-111.930	65.31	69.00	120.54	106.26	14.27	8.446	
2,800.00	2,799.26	2,778.57	2,765.08	7.01	8.02	-104.968	83.31	82.91	145.66	130.98	14.68	9.922	
2,900.00	2,898.74	2,874.27	2,858.05	7.07	8.31	-104.130	101.24	96.76	171.66	156.55	15.11	11.364	
3,000.00	2,997.82	2,969.45	2,950.53	7.14	8.61	-105.286	119.08	110.53	198.82	183.27	15.55	12.786	
3,100.00	3,096.38	3,063.99	3,042.39	7.26	8.93	-107.234	136.79	124.21	227.43	211.42	16.01	14.204	
3,200.00	3,194.29	3,157.79	3,133.52	7.46	9.25	-109.502	154.37	137.79	257.74	241.25	16.49	15.630	
3,300.00	3,291.66	3,250.97	3,224.05	7.63	9.59	-112.800	171.82	151.27	289.71	272.77	16.94	17.103	
3,400.00	3,389.00	3,344.12	3,314.55	7.85	9.93	-115.828	189.28	164.75	322.64	305.19	17.44	18.498	
3,500.00	3,486.35	3,437.27	3,405.05	8.09	10.28	-118.302	206.73	178.23	356.24	338.28	17.96	19.834	
3,600.00	3,583.69	3,530.42	3,495.55	8.35	10.64	-120.355	224.18	191.71	390.33	371.84	18.50	21.103	
3,700.00	3,681.03	3,623.57	3,586.06	8.62	11.01	-122.081	241.63	205.19	424.81	405.76	19.05	22.303	
3,800.00	3,778.37	3,716.71	3,676.56	8.91	11.38	-123.551	259.09	218.67	459.58	439.97	19.61	23.432	
3,900.00	3,875.71	3,809.86	3,767.06	9.21	11.76	-124.815	276.54	232.15	494.58	474.39	20.19	24.493	
4,000.00	3,973.05	3,903.01	3,857.56	9.53	12.15	-125.914	293.99	245.63	529.77	508.98	20.79	25.487	
4,100.00	4,070.40	3,996.16	3,948.06	9.86	12.53	-126.877	311.44	259.11	565.11	543.71	21.39	26.418	
4,200.00	4,167.74	4,089.31	4,038.56	10.20	12.93	-127.727	328.90	272.59	600.57	578.56	22.01	27.289	
4,300.00	4,265.08	4,182.46	4,129.06	10.54	13.33	-128.482	346.35	286.07	636.13	613.50	22.64	28.104	
4,400.00	4,362.42	4,275.61	4,219.56	10.90	13.73	-129.159	363.80	299.55	671.78	648.51	23.27	28.867	
4,500.00	4,459.76	4,368.76	4,310.06	11.27	14.13	-129.767	381.25	313.03	707.51	683.59	23.92	29.581	
4,600.00	4,557.10	4,461.90	4,400.56	11.65	14.54	-130.317	398.71	326.51	743.30	718.73	24.57	30.250	
4,700.00	4,654.45	4,555.05	4,491.06	12.03	14.95	-130.871	416.16	339.99	779.14	753.91	25.23	30.877	
4,800.00	4,751.79	4,648.20	4,581.56	12.42	15.36	-131.273	433.61	353.47	815.03	789.13	25.90	31.465	
4,900.00	4,849.13	4,741.35	4,672.06	12.82	15.78	-131.690	451.06	366.95	850.97	824.39	26.58	32.017	
5,000.00	4,946.47	4,834.50	4,762.56	13.22	16.19	-132.074	468.52	380.43	886.94	859.67	27.26	32.535	
5,100.00	5,043.81	4,927.65	4,853.06	13.63	16.61	-132.428	485.97	393.92	922.94	894.99	27.95	33.023	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,141.15	5,020.80	4,943.56	14.04	17.03	-132.755	503.42	407.40	958.97	930.32	28.64	33.481	
5,300.00	5,238.50	5,113.94	5,034.07	14.46	17.46	-133.059	520.87	420.88	995.02	965.68	29.34	33.914	
5,400.00	5,335.84	5,207.09	5,124.57	14.88	17.88	-133.342	538.33	434.36	1,031.10	1,001.05	30.04	34.321	
5,500.00	5,433.18	5,300.24	5,215.07	15.30	18.31	-133.605	555.78	447.84	1,067.19	1,036.45	30.75	34.706	
5,600.00	5,530.52	5,393.39	5,305.57	15.73	18.74	-133.852	573.23	461.32	1,103.31	1,071.85	31.46	35.070	
5,700.00	5,627.86	5,486.54	5,396.07	16.16	19.17	-134.082	590.68	474.80	1,139.44	1,107.27	32.18	35.414	
5,800.00	5,725.20	5,579.69	5,486.57	16.60	19.60	-134.299	608.14	488.28	1,175.59	1,142.70	32.89	35.739	
5,900.00	5,822.55	5,672.84	5,577.07	17.03	20.03	-134.503	625.59	501.76	1,211.75	1,178.14	33.62	36.047	
6,000.00	5,919.89	5,765.98	5,667.57	17.47	20.46	-134.695	643.04	515.24	1,247.93	1,213.59	34.34	36.340	
6,100.00	6,017.23	5,859.13	5,758.07	17.92	20.89	-134.876	660.49	528.72	1,284.11	1,249.04	35.07	36.618	
6,200.00	6,114.57	5,952.28	5,848.57	18.36	21.33	-135.047	677.94	542.20	1,320.31	1,284.51	35.80	36.882	
6,300.00	6,211.91	6,045.43	5,939.07	18.81	21.76	-135.209	695.40	555.68	1,356.51	1,319.98	36.53	37.132	
6,400.00	6,309.25	6,138.58	6,029.57	19.26	22.20	-135.363	712.85	569.16	1,392.73	1,355.46	37.27	37.371	
6,500.00	6,406.60	6,231.73	6,120.07	19.71	22.64	-135.509	730.30	582.64	1,428.95	1,390.95	38.01	37.599	
6,600.00	6,503.94	6,324.88	6,210.57	20.16	23.07	-135.647	747.75	596.12	1,465.18	1,426.44	38.75	37.816	
6,700.00	6,601.28	6,418.02	6,301.07	20.61	23.51	-135.779	765.21	609.60	1,501.42	1,461.93	39.49	38.022	
6,800.00	6,698.62	6,511.17	6,391.57	21.07	23.95	-135.905	782.66	623.08	1,537.67	1,497.43	40.23	38.220	
6,900.00	6,795.96	6,604.32	6,482.08	21.52	24.39	-136.025	800.11	636.56	1,573.92	1,532.94	40.98	38.409	
7,000.00	6,893.31	6,697.47	6,572.58	21.98	24.83	-136.140	817.56	650.04	1,610.17	1,568.45	41.73	38.589	
7,100.00	6,990.65	6,790.62	6,663.08	22.44	25.27	-136.249	835.02	663.52	1,646.43	1,603.96	42.48	38.762	
7,200.00	7,087.99	6,875.01	6,743.54	22.90	25.66	-136.575	852.47	676.45	1,679.92	1,636.05	43.87	38.297	
7,300.00	7,185.33	7,317.99	7,185.10	23.36	27.31	-137.961	884.69	701.88	1,700.34	1,654.92	45.42	37.439	
7,400.00	7,283.03	7,415.69	7,282.80	23.84	27.36	-138.641	884.69	701.88	1,716.42	1,670.59	45.83	37.449	
7,500.00	7,381.40	7,514.07	7,381.17	24.29	27.40	-139.209	884.69	701.88	1,730.02	1,683.78	46.23	37.418	
7,600.00	7,480.35	7,613.01	7,480.12	24.73	27.44	-139.663	884.69	701.88	1,741.05	1,694.43	46.62	37.344	
7,700.00	7,579.74	7,712.40	7,579.51	25.14	27.48	-140.004	884.69	701.88	1,749.47	1,702.49	46.99	37.232	
7,800.00	7,679.45	7,812.11	7,679.22	25.52	27.53	-140.236	884.69	701.88	1,755.25	1,707.92	47.33	37.086	
7,900.00	7,779.36	7,912.03	7,779.13	25.85	27.57	-140.359	884.69	701.88	1,758.36	1,710.73	47.63	36.916	
8,000.00	7,879.34	8,012.00	7,879.11	25.99	27.61	-97.304	884.69	701.88	1,759.07	1,711.30	47.77	36.824	
8,100.00	7,978.13	8,110.79	7,977.90	26.30	27.65	-97.579	884.69	701.88	1,761.00	1,713.08	47.91	36.753	
8,200.00	8,072.88	8,205.54	8,072.65	26.67	27.69	-98.089	884.69	701.88	1,765.55	1,717.44	48.11	36.698	
8,300.00	8,160.71	8,293.37	8,160.48	27.06	27.73	-98.643	884.69	701.88	1,773.45	1,725.09	48.36	36.672	
8,400.00	8,238.94	8,371.61	8,238.71	27.45	27.76	-98.985	884.69	701.88	1,785.62	1,736.96	48.66	36.694	
8,500.00	8,305.21	8,437.87	8,304.98	27.84	27.79	-98.824	884.69	701.88	1,803.00	1,753.99	49.01	36.787	
8,600.00	8,357.50	8,490.16	8,357.27	28.22	27.81	-97.877	884.69	701.88	1,826.31	1,776.91	49.40	36.971	
8,700.00	8,394.21	8,526.87	8,393.98	28.61	27.83	-95.903	884.69	701.88	1,855.88	1,806.08	49.80	37.266	
8,800.00	8,414.24	8,546.90	8,414.01	29.03	27.84	-92.742	884.69	701.88	1,891.47	1,841.28	50.19	37.687	
8,900.00	8,418.00	8,550.66	8,417.77	29.51	27.84	-90.000	884.69	701.88	1,932.04	1,881.51	50.53	38.237	
9,000.00	8,418.00	8,550.66	8,417.77	30.15	27.84	-90.000	884.69	701.88	1,974.46	1,923.59	50.87	38.814	
9,100.00	8,418.00	8,550.66	8,417.77	30.97	27.84	-90.000	884.69	701.88	2,017.86	1,966.65	51.20	39.409	
9,200.00	8,418.00	8,550.66	8,417.77	31.96	27.84	-90.000	884.69	701.88	2,062.12	2,010.59	51.53	40.019	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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	0.62	0.62	0.00	0.00	-8.871	19.99	-3.12	20.23				
100.00	100.00	100.62	100.62	0.79	0.79	-8.871	19.99	-3.12	20.23	18.66	1.58	12.843	
200.00	200.00	200.62	200.62	1.45	1.45	-8.871	19.99	-3.12	20.23	17.34	2.89	6.989	
300.00	300.00	300.62	300.62	1.89	1.89	-8.871	19.99	-3.12	20.23	16.45	3.79	5.344	
400.00	400.00	400.62	400.62	2.25	2.26	-8.871	19.99	-3.12	20.23	15.72	4.51	4.487	
500.00	500.00	500.62	500.62	2.57	2.57	-8.871	19.99	-3.12	20.23	15.09	5.14	3.938	
600.00	600.00	600.62	600.62	2.85	2.85	-8.871	19.99	-3.12	20.23	14.53	5.70	3.549	
700.00	700.00	700.62	700.62	3.11	3.11	-8.871	19.99	-3.12	20.23	14.01	6.22	3.254	
800.00	800.00	800.62	800.62	3.35	3.35	-8.871	19.99	-3.12	20.23	13.53	6.70	3.020	
900.00	900.00	900.62	900.62	3.58	3.58	-8.871	19.99	-3.12	20.23	13.08	7.15	2.829	
1,000.00	1,000.00	1,000.62	1,000.62	3.79	3.79	-8.871	19.99	-3.12	20.23	12.65	7.58	2.669	
1,100.00	1,100.00	1,100.62	1,100.62	3.99	4.00	-8.871	19.99	-3.12	20.23	12.24	7.99	2.532	
1,200.00	1,200.00	1,200.62	1,200.62	4.19	4.19	-8.871	19.99	-3.12	20.23	11.85	8.38	2.414	
1,300.00	1,300.00	1,300.62	1,300.62	4.38	4.38	-8.871	19.99	-3.12	20.23	11.47	8.76	2.309	
1,400.00	1,400.00	1,400.62	1,400.62	4.56	4.56	-8.871	19.99	-3.12	20.23	11.11	9.13	2.217	
1,500.00	1,500.00	1,500.62	1,500.62	4.74	4.74	-8.871	19.99	-3.12	20.23	10.75	9.48	2.134	
1,600.00	1,600.00	1,600.62	1,600.62	4.91	4.91	-8.871	19.99	-3.12	20.23	10.41	9.82	2.059	
1,700.00	1,700.00	1,700.62	1,700.62	5.08	5.08	-8.871	19.99	-3.12	20.23	10.07	10.16	1.991 Level 3	
1,800.00	1,800.00	1,800.62	1,800.62	5.24	5.24	-8.871	19.99	-3.12	20.23	9.75	10.49	1.929 Level 3	
1,900.00	1,899.98	1,900.60	1,900.60	5.48	5.40	86.068	19.99	-3.12	20.04	9.24	10.80	1.856 Level 3	
1,939.40	1,939.35	1,939.97	1,939.97	5.54	5.46	90.000	19.99	-3.12	19.99	9.08	10.91	1.832 Level 3, CC	
2,000.00	1,999.92	2,000.54	2,000.54	5.63	5.56	96.036	19.99	-3.12	20.10	9.01	11.09	1.813 Level 3, ES, SF	
2,100.00	2,099.86	2,100.48	2,100.48	5.80	5.71	105.654	19.99	-3.12	20.76	9.38	11.38	1.824 Level 3	
2,200.00	2,199.80	2,200.42	2,200.42	5.97	5.86	114.451	19.99	-3.12	21.96	10.27	11.69	1.879 Level 3	
2,300.00	2,299.74	2,300.36	2,300.36	6.15	6.01	122.177	19.99	-3.12	23.62	11.62	12.00	1.968 Level 3	
2,400.00	2,399.68	2,400.30	2,400.30	6.35	6.16	128.787	19.99	-3.12	25.65	13.32	12.33	2.081	
2,500.00	2,499.61	2,500.00	2,500.00	6.55	6.30	134.355	19.99	-3.12	27.97	15.31	12.66	2.209	
2,600.00	2,599.57	2,599.12	2,599.09	6.77	6.54	-155.958	20.42	-1.22	32.19	19.13	13.07	2.464	
2,700.00	2,699.50	2,697.60	2,697.40	6.94	6.77	-117.936	21.71	4.44	39.81	26.34	13.47	2.956	
2,800.00	2,799.26	2,795.47	2,794.80	7.01	7.02	-107.900	23.84	13.77	50.77	37.00	13.77	3.687	
2,900.00	2,898.74	2,894.15	2,892.70	7.07	7.18	-105.539	26.58	25.76	64.13	50.13	14.00	4.579	
3,000.00	2,997.82	2,993.02	2,990.79	7.14	7.37	-106.939	29.34	37.85	78.07	63.81	14.26	5.473	
3,100.00	3,096.38	3,091.59	3,088.58	7.26	7.57	-110.110	32.09	49.91	93.02	78.48	14.54	6.398	
3,200.00	3,194.29	3,189.74	3,185.95	7.46	7.80	-114.100	34.83	61.92	109.53	94.69	14.83	7.384	
3,300.00	3,291.66	3,287.51	3,282.95	7.63	8.03	-118.874	37.56	73.88	127.72	112.62	15.10	8.459	
3,400.00	3,389.00	3,385.26	3,379.93	7.85	8.28	-122.761	40.28	85.85	146.71	131.28	15.43	9.509	
3,500.00	3,486.35	3,483.01	3,476.91	8.09	8.55	-125.753	43.01	97.81	166.21	150.44	15.78	10.535	
3,600.00	3,583.69	3,580.76	3,573.89	8.35	8.82	-128.115	45.74	109.77	186.06	169.92	16.14	11.525	
3,700.00	3,681.03	3,678.51	3,670.87	8.62	9.11	-130.021	48.47	121.73	206.15	189.63	16.53	12.474	
3,800.00	3,778.37	3,776.27	3,767.84	8.91	9.40	-131.588	51.20	133.69	226.43	209.51	16.92	13.380	
3,900.00	3,875.71	3,874.02	3,864.82	9.21	9.71	-132.898	53.92	145.65	246.84	229.51	17.33	14.241	
4,000.00	3,973.05	3,971.77	3,961.80	9.53	10.02	-134.007	56.65	157.61	267.35	249.60	17.75	15.059	
4,100.00	4,070.40	4,069.52	4,058.78	9.86	10.34	-134.959	59.38	169.57	287.95	269.77	18.19	15.834	
4,200.00	4,167.74	4,167.27	4,155.76	10.20	10.66	-135.784	62.11	181.53	308.62	289.99	18.63	16.568	
4,300.00	4,265.08	4,265.02	4,252.74	10.54	10.99	-136.505	64.84	193.49	329.34	310.26	19.08	17.263	
4,400.00	4,362.42	4,362.77	4,349.71	10.90	11.33	-137.141	67.57	205.45	350.10	330.56	19.54	17.920	
4,500.00	4,459.76	4,460.52	4,446.69	11.27	11.67	-137.705	70.29	217.41	370.90	350.89	20.00	18.542	
4,600.00	4,557.10	4,558.28	4,543.67	11.65	12.02	-138.210	73.02	229.37	391.73	371.25	20.48	19.130	
4,700.00	4,654.45	4,656.03	4,640.65	12.03	12.37	-138.664	75.75	241.33	412.58	391.62	20.96	19.687	
4,800.00	4,751.79	4,753.78	4,737.63	12.42	12.72	-139.074	78.48	253.29	433.46	412.02	21.44	20.215	
4,900.00	4,849.13	4,851.53	4,834.61	12.82	13.08	-139.446	81.21	265.25	454.36	432.42	21.93	20.715	
5,000.00	4,946.47	4,949.28	4,931.59	13.22	13.44	-139.786	83.94	277.21	475.27	452.84	22.43	21.189	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
5,100.00	5,043.81	5,047.03	5,028.56	13.63	13.80	-140.097	86.66	289.17	496.20	473.27	22.93	21.640	
5,200.00	5,141.15	5,144.78	5,125.54	14.04	14.17	-140.383	89.39	301.14	517.14	493.71	23.44	22.067	
5,300.00	5,238.50	5,242.54	5,222.52	14.46	14.54	-140.647	92.12	313.10	538.09	514.15	23.94	22.473	
5,400.00	5,335.84	5,340.29	5,319.50	14.88	14.91	-140.891	94.85	325.06	559.06	534.60	24.46	22.859	
5,500.00	5,433.18	5,438.04	5,416.48	15.30	15.28	-141.117	97.58	337.02	580.03	555.06	24.97	23.227	
5,600.00	5,530.52	5,535.79	5,513.46	15.73	15.66	-141.327	100.31	348.98	601.01	575.52	25.49	23.577	
5,700.00	5,627.86	5,633.54	5,610.44	16.16	16.04	-141.524	103.03	360.94	622.00	595.98	26.01	23.911	
5,800.00	5,725.20	5,731.29	5,707.41	16.60	16.41	-141.707	105.76	372.90	642.99	616.45	26.54	24.230	
5,900.00	5,822.55	5,829.04	5,804.39	17.03	16.80	-141.879	108.49	384.86	663.99	636.93	27.06	24.534	
6,000.00	5,919.89	5,926.80	5,901.37	17.47	17.18	-142.040	111.22	396.82	685.00	657.40	27.59	24.824	
6,100.00	6,017.23	6,024.55	5,998.35	17.92	17.56	-142.192	113.95	408.78	706.01	677.88	28.13	25.102	
6,200.00	6,114.57	6,122.30	6,095.33	18.36	17.95	-142.335	116.67	420.74	727.02	698.36	28.66	25.368	
6,300.00	6,211.91	6,220.05	6,192.31	18.81	18.33	-142.470	119.40	432.70	748.04	718.84	29.19	25.623	
6,400.00	6,309.25	6,317.80	6,289.29	19.26	18.72	-142.598	122.13	444.66	769.06	739.33	29.73	25.867	
6,500.00	6,406.60	6,415.55	6,386.26	19.71	19.11	-142.719	124.86	456.62	790.09	759.82	30.27	26.100	
6,600.00	6,503.94	6,513.30	6,483.24	20.16	19.50	-142.833	127.59	468.58	811.12	780.30	30.81	26.325	
6,700.00	6,601.28	6,611.06	6,580.22	20.61	19.89	-142.942	130.32	480.54	832.15	800.79	31.35	26.540	
6,800.00	6,698.62	6,708.81	6,677.20	21.07	20.28	-143.045	133.04	492.50	853.18	821.29	31.90	26.747	
6,900.00	6,795.96	6,806.56	6,774.18	21.52	20.68	-143.144	135.77	504.46	874.22	841.78	32.44	26.946	
7,000.00	6,893.31	6,904.31	6,871.16	21.98	21.07	-143.237	138.50	516.42	895.26	862.27	32.99	27.138	
7,100.00	6,990.65	7,002.06	6,968.14	22.44	21.46	-143.327	141.23	528.39	916.30	882.76	33.54	27.322	
7,200.00	7,087.99	7,099.81	7,065.11	22.90	21.86	-143.412	143.96	540.35	937.35	903.26	34.09	27.500	
7,300.00	7,185.33	7,197.56	7,162.09	23.36	22.25	-143.494	146.69	552.31	958.39	923.75	34.64	27.669	
7,400.00	7,283.03	7,295.58	7,259.34	23.84	22.65	-143.745	149.42	564.30	978.16	942.97	35.19	27.797	
7,500.00	7,381.40	7,394.11	7,357.08	24.29	23.05	-143.848	152.17	576.35	995.17	959.44	35.73	27.856	
7,600.00	7,480.35	7,493.01	7,455.21	24.73	23.45	-143.802	154.93	588.46	1,009.40	973.16	36.24	27.854	
7,700.00	7,579.74	7,594.46	7,555.87	25.14	23.85	-143.611	157.73	600.73	1,020.83	984.12	36.71	27.807	
7,800.00	7,679.45	7,703.39	7,664.32	25.52	24.30	-143.421	159.99	610.64	1,028.86	991.65	37.20	27.656	
7,900.00	7,779.36	7,812.89	7,773.67	25.85	24.67	-143.321	161.21	615.99	1,033.17	995.54	37.63	27.458	
8,000.00	7,879.34	7,911.00	7,871.76	25.99	24.87	-100.182	161.55	617.59	1,034.29	996.50	37.80	27.365	
8,100.00	7,978.13	7,987.49	7,947.71	26.30	25.22	-99.877	163.08	626.10	1,038.81	1,000.87	37.94	27.382	
8,200.00	8,072.88	8,063.95	8,021.79	26.67	25.62	-99.222	166.37	644.48	1,048.54	1,010.35	38.19	27.454	
8,300.00	8,160.71	8,140.39	8,092.72	27.06	26.05	-98.234	171.38	672.39	1,063.24	1,024.66	38.58	27.560	
8,400.00	8,238.94	8,216.90	8,159.30	27.45	26.47	-96.937	178.01	709.38	1,082.49	1,043.36	39.13	27.666	
8,500.00	8,305.21	8,293.66	8,220.47	27.84	26.88	-95.367	186.18	754.91	1,105.81	1,065.94	39.87	27.735	
8,600.00	8,357.50	8,370.94	8,275.27	28.22	27.25	-93.574	195.79	808.48	1,132.60	1,091.75	40.86	27.722	
8,700.00	8,394.21	8,450.00	8,323.22	28.61	27.60	-91.629	206.87	870.26	1,162.20	1,120.09	42.11	27.599	
8,800.00	8,414.24	8,529.06	8,362.09	29.03	27.87	-89.570	219.02	937.96	1,193.88	1,150.24	43.64	27.356	
8,900.00	8,418.00	8,611.73	8,392.22	29.51	28.10	-88.696	232.60	1,013.66	1,226.72	1,181.28	45.43	27.000	
9,000.00	8,418.00	8,701.73	8,412.06	30.15	28.25	-89.687	248.08	1,099.96	1,257.84	1,210.34	47.50	26.479	
9,100.00	8,418.00	8,807.42	8,418.00	30.97	28.32	-89.971	266.60	1,203.73	1,285.86	1,235.95	49.92	25.760	
9,200.00	8,418.00	8,986.05	8,418.00	31.96	28.36	-89.972	291.21	1,380.63	1,306.77	1,253.08	53.69	24.338	
9,300.00	8,418.00	9,169.45	8,418.00	33.12	28.49	-89.973	304.96	1,563.48	1,318.00	1,260.06	57.95	22.746	
9,400.00	8,418.00	9,322.27	8,418.00	34.39	28.94	-89.973	307.72	1,716.26	1,320.00	1,258.10	61.89	21.327	
9,423.30	8,418.00	9,345.57	8,418.00	34.71	29.11	-89.973	307.79	1,739.56	1,320.00	1,257.36	62.64	21.073	
9,500.00	8,418.00	9,422.27	8,418.00	35.77	29.92	-89.973	308.01	1,816.26	1,320.00	1,254.90	65.10	20.276	
9,523.30	8,418.00	9,445.57	8,418.00	36.11	30.25	-89.973	308.08	1,839.56	1,320.00	1,254.13	65.87	20.040	
9,600.00	8,418.00	9,522.27	8,418.00	37.23	31.44	-89.973	308.31	1,916.26	1,320.00	1,251.59	68.40	19.297	
9,623.30	8,418.00	9,545.57	8,418.00	37.59	31.83	-89.973	308.38	1,939.56	1,320.00	1,250.80	69.19	19.077	
9,700.00	8,418.00	9,622.27	8,418.00	38.77	33.16	-89.973	308.61	2,016.26	1,320.00	1,248.20	71.79	18.386	
9,723.30	8,418.00	9,645.57	8,418.00	39.14	33.58	-89.973	308.68	2,039.56	1,320.00	1,247.40	72.60	18.182	
9,800.00	8,418.00	9,722.27	8,418.00	40.36	34.96	-89.973	308.91	2,116.26	1,320.00	1,244.74	75.26	17.540	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	
9,823.30	8,418.00	9,745.57	8,418.00	40.74	35.39	-89.973	308.98	2,139.56	1,320.00	1,243.92	76.08	17.351	
9,900.00	8,418.00	9,822.27	8,418.00	42.00	36.81	-89.973	309.21	2,216.26	1,320.00	1,241.22	78.78	16.755	
9,923.30	8,418.00	9,845.57	8,418.00	42.40	37.25	-89.973	309.28	2,239.56	1,320.00	1,240.38	79.62	16.580	
10,000.00	8,418.00	9,922.27	8,418.00	43.69	38.69	-89.973	309.51	2,316.26	1,320.00	1,237.63	82.36	16.027	
10,023.30	8,418.00	9,945.57	8,418.00	44.09	39.13	-89.973	309.57	2,339.56	1,320.00	1,236.79	83.21	15.864	
10,100.00	8,418.00	10,022.27	8,418.00	45.41	40.59	-89.973	309.80	2,416.26	1,320.00	1,234.00	85.99	15.350	
10,123.30	8,418.00	10,045.57	8,418.00	45.82	41.04	-89.973	309.87	2,439.56	1,320.00	1,233.15	86.85	15.199	
10,200.00	8,418.00	10,122.27	8,418.00	47.16	42.51	-89.973	310.10	2,516.26	1,320.00	1,230.33	89.67	14.721	
10,223.30	8,418.00	10,145.57	8,418.00	47.58	42.96	-89.973	310.17	2,539.56	1,320.00	1,229.47	90.53	14.580	
10,300.00	8,418.00	10,222.27	8,418.00	48.94	44.44	-89.973	310.40	2,616.26	1,320.00	1,226.62	93.38	14.136	
10,323.30	8,418.00	10,245.57	8,418.00	49.36	44.90	-89.973	310.47	2,639.56	1,320.00	1,225.75	94.25	14.005	
10,400.00	8,418.00	10,322.27	8,418.00	50.74	46.39	-89.973	310.70	2,716.26	1,320.00	1,222.87	97.12	13.591	
10,423.30	8,418.00	10,345.57	8,418.00	51.17	46.85	-89.973	310.77	2,739.55	1,320.00	1,221.99	98.00	13.469	
10,500.00	8,418.00	10,422.27	8,418.00	52.57	48.35	-89.973	311.00	2,816.25	1,320.00	1,219.10	100.90	13.082	
10,523.30	8,418.00	10,445.57	8,418.00	52.99	48.81	-89.973	311.07	2,839.55	1,320.00	1,218.21	101.79	12.968	
10,600.00	8,418.00	10,522.27	8,418.00	54.41	50.32	-89.973	311.29	2,916.25	1,320.00	1,215.29	104.70	12.607	
10,623.30	8,418.00	10,545.57	8,418.00	54.84	50.77	-89.973	311.36	2,939.55	1,320.00	1,214.40	105.59	12.501	
10,700.00	8,418.00	10,622.27	8,418.00	56.26	52.29	-89.973	311.59	3,016.25	1,320.00	1,211.47	108.53	12.162	
10,723.30	8,418.00	10,645.57	8,418.00	56.70	52.75	-89.973	311.66	3,039.55	1,320.00	1,210.57	109.43	12.063	
10,800.00	8,418.00	10,722.27	8,418.00	58.14	54.27	-89.973	311.89	3,116.25	1,320.00	1,207.62	112.38	11.746	
10,823.30	8,418.00	10,745.57	8,418.00	58.58	54.74	-89.973	311.96	3,139.55	1,320.00	1,206.72	113.28	11.652	
10,900.00	8,418.00	10,822.27	8,418.00	60.02	56.26	-89.973	312.19	3,216.25	1,320.00	1,203.75	116.25	11.355	
10,923.30	8,418.00	10,845.57	8,418.00	60.46	56.73	-89.973	312.26	3,239.55	1,320.00	1,202.84	117.15	11.267	
11,000.00	8,418.00	10,922.27	8,418.00	61.92	58.26	-89.973	312.49	3,316.25	1,320.00	1,199.86	120.13	10.988	
11,023.30	8,418.00	10,945.57	8,418.00	62.36	58.72	-89.973	312.56	3,339.55	1,320.00	1,198.95	121.04	10.905	
11,100.00	8,418.00	11,022.27	8,418.00	63.83	60.25	-89.973	312.79	3,416.25	1,320.00	1,195.96	124.04	10.642	
11,123.30	8,418.00	11,045.57	8,418.00	64.27	60.72	-89.973	312.86	3,439.55	1,320.00	1,195.05	124.95	10.564	
11,200.00	8,418.00	11,122.27	8,418.00	65.75	62.26	-89.973	313.08	3,516.25	1,320.00	1,192.04	127.95	10.316	
11,223.30	8,418.00	11,145.57	8,418.00	66.19	62.73	-89.973	313.15	3,539.55	1,320.00	1,191.13	128.87	10.243	
11,300.00	8,418.00	11,222.27	8,418.00	67.67	64.27	-89.973	313.38	3,616.25	1,320.00	1,188.11	131.88	10.009	
11,323.30	8,418.00	11,245.57	8,418.00	68.12	64.74	-89.973	313.45	3,639.55	1,320.00	1,187.20	132.80	9.940	
11,400.00	8,418.00	11,322.27	8,418.00	69.61	66.28	-89.973	313.68	3,716.25	1,320.00	1,184.17	135.83	9.718	
11,423.30	8,418.00	11,345.57	8,418.00	70.06	66.75	-89.973	313.75	3,739.55	1,320.00	1,183.25	136.75	9.653	
11,500.00	8,418.00	11,422.27	8,418.00	71.55	68.29	-89.973	313.98	3,816.25	1,320.00	1,180.22	139.78	9.443	
11,523.30	8,418.00	11,445.57	8,418.00	72.00	68.76	-89.973	314.05	3,839.55	1,320.00	1,179.29	140.70	9.381	
11,600.00	8,418.00	11,522.27	8,418.00	73.50	70.31	-89.973	314.28	3,916.25	1,320.00	1,176.25	143.75	9.183	
11,623.30	8,418.00	11,545.57	8,418.00	73.96	70.78	-89.973	314.35	3,939.55	1,320.00	1,175.33	144.67	9.124	
11,700.00	8,418.00	11,622.27	8,418.00	75.46	72.33	-89.973	314.58	4,016.25	1,320.00	1,172.28	147.72	8.936	
11,723.30	8,418.00	11,645.57	8,418.00	75.91	72.81	-89.973	314.64	4,039.55	1,320.00	1,171.35	148.65	8.880	
11,800.00	8,418.00	11,722.27	8,418.00	77.42	74.36	-89.973	314.87	4,116.25	1,320.00	1,168.30	151.70	8.701	
11,823.30	8,418.00	11,745.57	8,418.00	77.88	74.83	-89.973	314.94	4,139.55	1,320.00	1,167.37	152.63	8.648	
11,900.00	8,418.00	11,822.27	8,418.00	79.38	76.39	-89.973	315.17	4,216.25	1,320.00	1,164.31	155.69	8.478	
11,923.30	8,418.00	11,845.57	8,418.00	79.84	76.86	-89.973	315.24	4,239.55	1,320.00	1,163.37	156.62	8.428	
12,000.00	8,418.00	11,922.27	8,418.00	81.36	78.41	-89.973	315.47	4,316.25	1,320.00	1,160.31	159.69	8.266	
12,023.30	8,418.00	11,945.57	8,418.00	81.82	78.89	-89.973	315.54	4,339.55	1,320.00	1,159.37	160.62	8.218	
12,100.00	8,418.00	12,022.27	8,418.00	83.33	80.45	-89.973	315.77	4,416.25	1,320.00	1,156.30	163.70	8.064	
12,123.30	8,418.00	12,045.57	8,418.00	83.79	80.92	-89.973	315.84	4,439.55	1,320.00	1,155.37	164.63	8.018	
12,200.00	8,418.00	12,122.27	8,418.00	85.31	82.48	-89.973	316.07	4,516.25	1,320.00	1,152.29	167.71	7.871	
12,223.30	8,418.00	12,145.57	8,418.00	85.78	82.95	-89.973	316.14	4,539.55	1,320.00	1,151.35	168.64	7.827	
12,300.00	8,418.00	12,222.27	8,418.00	87.30	84.51	-89.973	316.36	4,616.25	1,320.00	1,148.27	171.72	7.687	
12,323.30	8,418.00	12,245.57	8,418.00	87.76	84.99	-89.973	316.43	4,639.55	1,320.00	1,147.34	172.66	7.645	
12,400.00	8,418.00	12,322.27	8,418.00	89.29	86.55	-89.973	316.66	4,716.25	1,320.00	1,144.25	175.75	7.511	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)	
12,423.30	8,418.00	12,345.57	8,418.00	89.75	87.02	-89.973	316.73	4,739.55	1,320.00	1,143.31	176.69 7.471
12,500.00	8,418.00	12,422.27	8,418.00	91.28	88.59	-89.973	316.96	4,816.25	1,320.00	1,140.22	179.78 7.342
12,523.30	8,418.00	12,445.57	8,418.00	91.74	89.06	-89.973	317.03	4,839.55	1,320.00	1,139.28	180.72 7.304
12,600.00	8,418.00	12,522.27	8,418.00	93.28	90.63	-89.973	317.26	4,916.25	1,320.00	1,136.19	183.81 7.181
12,623.30	8,418.00	12,545.57	8,418.00	93.74	91.10	-89.973	317.33	4,939.54	1,320.00	1,135.25	184.75 7.145
12,700.00	8,418.00	12,622.27	8,418.00	95.27	92.67	-89.973	317.56	5,016.25	1,320.00	1,132.15	187.85 7.027
12,723.30	8,418.00	12,645.57	8,418.00	95.74	93.14	-89.973	317.63	5,039.54	1,320.00	1,131.21	188.79 6.992
12,800.00	8,418.00	12,722.27	8,418.00	97.28	94.71	-89.973	317.86	5,116.24	1,320.00	1,128.11	191.89 6.879
12,823.30	8,418.00	12,745.57	8,418.00	97.74	95.18	-89.973	317.92	5,139.54	1,320.00	1,127.17	192.83 6.845
12,900.00	8,418.00	12,822.27	8,418.00	99.28	96.75	-89.973	318.15	5,216.24	1,320.00	1,124.06	195.94 6.737
12,923.30	8,418.00	12,845.57	8,418.00	99.75	97.23	-89.973	318.22	5,239.54	1,320.00	1,123.12	196.88 6.705
13,000.00	8,418.00	12,922.27	8,418.00	101.29	98.79	-89.973	318.45	5,316.24	1,320.00	1,120.01	199.99 6.600
13,023.30	8,418.00	12,945.57	8,418.00	101.76	99.27	-89.973	318.52	5,339.54	1,320.00	1,119.07	200.93 6.569
13,100.00	8,418.00	13,022.27	8,418.00	103.30	100.84	-89.973	318.75	5,416.24	1,320.00	1,115.96	204.04 6.469
13,123.30	8,418.00	13,045.57	8,418.00	103.77	101.32	-89.973	318.82	5,439.54	1,320.00	1,115.01	204.99 6.439
13,200.00	8,418.00	13,122.27	8,418.00	105.31	102.89	-89.973	319.05	5,516.24	1,320.00	1,111.90	208.10 6.343
13,223.30	8,418.00	13,145.57	8,418.00	105.78	103.36	-89.973	319.12	5,539.54	1,320.00	1,110.95	209.04 6.314
13,300.00	8,418.00	13,222.27	8,418.00	107.32	104.93	-89.973	319.35	5,616.24	1,320.00	1,107.84	212.16 6.222
13,323.30	8,418.00	13,245.57	8,418.00	107.79	105.41	-89.973	319.42	5,639.54	1,320.00	1,106.89	213.10 6.194
13,400.00	8,418.00	13,322.27	8,418.00	109.34	106.98	-89.973	319.64	5,716.24	1,320.00	1,103.78	216.22 6.105
13,423.30	8,418.00	13,345.57	8,418.00	109.81	107.46	-89.973	319.71	5,739.54	1,320.00	1,102.83	217.17 6.078
13,500.00	8,418.00	13,422.27	8,418.00	111.36	109.03	-89.973	319.94	5,816.24	1,320.00	1,099.71	220.29 5.992
13,523.30	8,418.00	13,445.57	8,418.00	111.83	109.51	-89.973	320.01	5,839.54	1,320.00	1,098.76	221.24 5.966
13,600.00	8,418.00	13,522.27	8,418.00	113.38	111.08	-89.973	320.24	5,916.24	1,320.00	1,095.64	224.36 5.884
13,623.30	8,418.00	13,545.57	8,418.00	113.85	111.56	-89.973	320.31	5,939.54	1,320.00	1,094.69	225.30 5.859
13,700.00	8,418.00	13,622.27	8,418.00	115.40	113.13	-89.973	320.54	6,016.24	1,320.00	1,091.57	228.43 5.779
13,723.30	8,418.00	13,645.57	8,418.00	115.87	113.61	-89.973	320.61	6,039.54	1,320.00	1,090.62	229.38 5.755
13,800.00	8,418.00	13,722.27	8,418.00	117.42	115.18	-89.973	320.84	6,116.24	1,320.00	1,087.50	232.50 5.677
13,823.30	8,418.00	13,745.57	8,418.00	117.89	115.66	-89.973	320.91	6,139.54	1,320.00	1,086.55	233.45 5.654
13,900.00	8,418.00	13,822.27	8,418.00	119.44	117.23	-89.973	321.14	6,216.24	1,320.00	1,083.42	236.58 5.580
13,923.30	8,418.00	13,845.57	8,418.00	119.92	117.71	-89.973	321.21	6,239.54	1,320.00	1,082.47	237.53 5.557
14,000.00	8,418.00	13,922.27	8,418.00	121.47	119.28	-89.973	321.43	6,316.24	1,320.00	1,079.34	240.65 5.485
14,023.30	8,418.00	13,945.57	8,418.00	121.94	119.76	-89.973	321.50	6,339.54	1,320.00	1,078.39	241.61 5.463
14,100.00	8,418.00	14,022.27	8,418.00	123.50	121.34	-89.973	321.73	6,416.24	1,320.00	1,075.26	244.73 5.394
14,123.30	8,418.00	14,045.57	8,418.00	123.97	121.82	-89.973	321.80	6,439.54	1,320.00	1,074.31	245.69 5.373
14,200.00	8,418.00	14,122.27	8,418.00	125.53	123.39	-89.973	322.03	6,516.24	1,320.00	1,071.18	248.82 5.305
14,223.30	8,418.00	14,145.57	8,418.00	126.00	123.87	-89.973	322.10	6,539.54	1,320.00	1,070.23	249.77 5.285
14,300.00	8,418.00	14,222.27	8,418.00	127.56	125.44	-89.973	322.33	6,616.24	1,320.00	1,067.10	252.90 5.219
14,323.30	8,418.00	14,245.57	8,418.00	128.03	125.92	-89.973	322.40	6,639.54	1,320.00	1,066.15	253.85 5.200
14,400.00	8,418.00	14,322.27	8,418.00	129.59	127.50	-89.973	322.63	6,716.24	1,320.00	1,063.01	256.99 5.136
14,423.30	8,418.00	14,345.57	8,418.00	130.06	127.98	-89.973	322.70	6,739.54	1,320.00	1,062.06	257.94 5.117
14,500.00	8,418.00	14,422.27	8,418.00	131.62	129.55	-89.973	322.92	6,816.24	1,320.00	1,058.92	261.07 5.056
14,523.30	8,418.00	14,445.57	8,418.00	132.09	130.03	-89.973	322.99	6,839.54	1,320.00	1,057.97	262.03 5.038
14,600.00	8,418.00	14,522.27	8,418.00	133.65	131.61	-89.973	323.22	6,916.24	1,320.00	1,054.84	265.16 4.978
14,623.30	8,418.00	14,545.57	8,418.00	134.13	132.09	-89.973	323.29	6,939.54	1,320.00	1,053.88	266.12 4.960
14,700.00	8,418.00	14,622.27	8,418.00	135.69	133.66	-89.973	323.52	7,016.24	1,320.00	1,050.75	269.25 4.902
14,723.30	8,418.00	14,645.57	8,418.00	136.16	134.14	-89.973	323.59	7,039.54	1,320.00	1,049.79	270.21 4.885
14,800.00	8,418.00	14,722.27	8,418.00	137.72	135.72	-89.973	323.82	7,116.24	1,320.00	1,046.65	273.35 4.829
14,823.30	8,418.00	14,745.57	8,418.00	138.20	136.20	-89.973	323.89	7,139.54	1,320.00	1,045.70	274.30 4.812
14,900.00	8,418.00	14,822.27	8,418.00	139.76	137.78	-89.973	324.12	7,216.24	1,320.00	1,042.56	277.44 4.758
14,923.30	8,418.00	14,845.57	8,418.00	140.24	138.26	-89.973	324.19	7,239.53	1,320.00	1,041.61	278.39 4.741
15,000.00	8,418.00	14,922.27	8,418.00	141.80	139.83	-89.973	324.42	7,316.24	1,320.00	1,038.47	281.53 4.689

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
15,023.30	8,418.00	14,945.57	8,418.00	142.27	140.31	-89.973	324.49	7,339.53	1,320.00	1,037.51	282.49	4.673	
15,100.00	8,418.00	15,022.27	8,418.00	143.84	141.89	-89.973	324.71	7,416.23	1,320.00	1,034.37	285.63	4.621	
15,123.30	8,418.00	15,045.57	8,418.00	144.31	142.37	-89.973	324.78	7,439.53	1,320.00	1,033.41	286.58	4.606	
15,200.00	8,418.00	15,122.27	8,418.00	145.88	143.95	-89.973	325.01	7,516.23	1,320.00	1,030.27	289.73	4.556	
15,223.30	8,418.00	15,145.57	8,418.00	146.35	144.43	-89.973	325.08	7,539.53	1,320.00	1,029.32	290.68	4.541	
15,300.00	8,418.00	15,222.27	8,418.00	147.92	146.01	-89.973	325.31	7,616.23	1,320.00	1,026.17	293.83	4.492	
15,323.30	8,418.00	15,245.57	8,418.00	148.39	146.49	-89.973	325.38	7,639.53	1,320.00	1,025.22	294.78	4.478	
15,400.00	8,418.00	15,322.27	8,418.00	149.96	148.07	-89.973	325.61	7,716.23	1,320.00	1,022.07	297.93	4.431	
15,423.30	8,418.00	15,345.57	8,418.00	150.43	148.54	-89.973	325.68	7,739.53	1,320.00	1,021.12	298.88	4.416	
15,500.00	8,418.00	15,422.27	8,418.00	152.00	150.12	-89.973	325.91	7,816.23	1,320.00	1,017.97	302.03	4.370	
15,523.30	8,418.00	15,445.57	8,418.00	152.47	150.60	-89.973	325.98	7,839.53	1,320.00	1,017.02	302.98	4.357	
15,600.00	8,418.00	15,522.27	8,418.00	154.04	152.18	-89.973	326.21	7,916.23	1,320.00	1,013.87	306.13	4.312	
15,623.30	8,418.00	15,545.57	8,418.00	154.52	152.66	-89.973	326.27	7,939.53	1,320.00	1,012.92	307.08	4.298	
15,700.00	8,418.00	15,622.27	8,418.00	156.08	154.24	-89.973	326.50	8,016.23	1,320.00	1,009.77	310.23	4.255	
15,723.30	8,418.00	15,645.57	8,418.00	156.56	154.72	-89.973	326.57	8,039.53	1,320.00	1,008.81	311.19	4.242	
15,800.00	8,418.00	15,722.27	8,418.00	158.13	156.30	-89.973	326.80	8,116.23	1,320.00	1,005.66	314.33	4.199	
15,823.30	8,418.00	15,745.57	8,418.00	158.60	156.78	-89.973	326.87	8,139.53	1,320.00	1,004.71	315.29	4.187	
15,900.00	8,418.00	15,822.27	8,418.00	160.17	158.36	-89.973	327.10	8,216.23	1,320.00	1,001.56	318.44	4.145	
15,923.30	8,418.00	15,845.57	8,418.00	160.65	158.84	-89.973	327.17	8,239.53	1,320.00	1,000.60	319.40	4.133	
16,000.00	8,418.00	15,922.27	8,418.00	162.22	160.42	-89.973	327.40	8,316.23	1,320.00	997.45	322.54	4.092	
16,023.30	8,418.00	15,945.57	8,418.00	162.69	160.90	-89.973	327.47	8,339.53	1,320.00	996.50	323.50	4.080	
16,100.00	8,418.00	16,022.27	8,418.00	164.26	162.48	-89.973	327.70	8,416.23	1,320.00	993.35	326.65	4.041	
16,123.30	8,418.00	16,045.57	8,418.00	164.74	162.96	-89.973	327.77	8,439.53	1,320.00	992.39	327.61	4.029	
16,200.00	8,418.00	16,122.27	8,418.00	166.31	164.54	-89.973	327.99	8,516.23	1,320.00	989.24	330.76	3.991	
16,223.30	8,418.00	16,145.57	8,418.00	166.79	165.02	-89.973	328.06	8,539.53	1,320.00	988.28	331.72	3.979	
16,300.00	8,418.00	16,222.27	8,418.00	168.36	166.60	-89.973	328.29	8,616.23	1,320.00	985.13	334.87	3.942	
16,323.30	8,418.00	16,245.57	8,418.00	168.83	167.08	-89.973	328.36	8,639.53	1,320.00	984.18	335.82	3.931	
16,400.00	8,418.00	16,322.27	8,418.00	170.40	168.66	-89.973	328.59	8,716.23	1,320.00	981.02	338.97	3.894	
16,423.30	8,418.00	16,345.57	8,418.00	170.88	169.14	-89.973	328.66	8,739.53	1,320.00	980.07	339.93	3.883	
16,500.00	8,418.00	16,422.27	8,418.00	172.45	170.73	-89.973	328.89	8,816.23	1,320.00	976.92	343.08	3.847	
16,523.30	8,418.00	16,445.57	8,418.00	172.93	171.21	-89.973	328.96	8,839.53	1,320.00	975.96	344.04	3.837	
16,600.00	8,418.00	16,522.27	8,418.00	174.50	172.79	-89.973	329.19	8,916.23	1,320.00	972.80	347.19	3.802	
16,623.30	8,418.00	16,545.57	8,418.00	174.98	173.27	-89.973	329.26	8,939.53	1,320.00	971.85	348.15	3.791	
16,700.00	8,418.00	16,622.27	8,418.00	176.55	174.85	-89.973	329.49	9,016.23	1,320.00	968.69	351.31	3.757	
16,723.30	8,418.00	16,645.57	8,418.00	177.03	175.33	-89.973	329.56	9,039.53	1,320.00	967.74	352.26	3.747	
16,800.00	8,418.00	16,722.27	8,418.00	178.60	176.91	-89.973	329.78	9,116.23	1,320.00	964.58	355.42	3.714	
16,823.30	8,418.00	16,745.57	8,418.00	179.08	177.39	-89.973	329.85	9,139.53	1,320.00	963.62	356.38	3.704	
16,900.00	8,418.00	16,822.27	8,418.00	180.65	178.97	-89.973	330.08	9,216.23	1,320.00	960.47	359.53	3.671	
16,923.30	8,418.00	16,845.57	8,418.00	181.13	179.45	-89.973	330.15	9,239.53	1,320.00	959.51	360.49	3.662	
17,000.00	8,418.00	16,922.27	8,418.00	182.70	181.03	-89.973	330.38	9,316.23	1,320.00	956.36	363.64	3.630	
17,023.30	8,418.00	16,945.57	8,418.00	183.18	181.51	-89.973	330.45	9,339.53	1,320.00	955.40	364.60	3.620	
17,100.00	8,418.00	17,022.27	8,418.00	184.75	183.10	-89.973	330.68	9,416.23	1,320.00	952.24	367.76	3.589	
17,123.30	8,418.00	17,045.57	8,418.00	185.23	183.58	-89.973	330.75	9,439.53	1,320.00	951.29	368.71	3.580	
17,200.00	8,418.00	17,122.27	8,418.00	186.80	185.16	-89.973	330.98	9,516.23	1,320.00	948.13	371.87	3.550	
17,223.30	8,418.00	17,145.57	8,418.00	187.28	185.64	-89.973	331.05	9,539.52	1,320.00	947.17	372.83	3.541	
17,300.00	8,418.00	17,222.27	8,418.00	188.85	187.22	-89.973	331.27	9,616.22	1,320.00	944.02	375.98	3.511	
17,323.30	8,418.00	17,245.57	8,418.00	189.33	187.70	-89.973	331.34	9,639.52	1,320.00	943.06	376.94	3.502	
17,400.00	8,418.00	17,322.27	8,418.00	190.90	189.28	-89.973	331.57	9,716.22	1,320.00	939.90	380.10	3.473	
17,423.30	8,418.00	17,345.57	8,418.00	191.38	189.76	-89.973	331.64	9,739.52	1,320.00	938.94	381.06	3.464	
17,500.00	8,418.00	17,422.27	8,418.00	192.96	191.35	-89.973	331.87	9,816.22	1,320.00	935.78	384.22	3.436	
17,523.30	8,418.00	17,445.57	8,418.00	193.43	191.83	-89.973	331.94	9,839.52	1,320.00	934.83	385.17	3.427	
17,600.00	8,418.00	17,522.27	8,418.00	195.01	193.41	-89.973	332.17	9,916.22	1,320.00	931.67	388.33	3.399	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
17,623.30	8,418.00	17,545.57	8,418.00	195.49	193.89	-89.973	332.24	9,939.52	1,320.00	930.71	389.29	3.391	
17,700.00	8,418.00	17,622.27	8,418.00	197.06	195.47	-89.973	332.47	10,016.22	1,320.00	927.55	392.45	3.364	
17,723.30	8,418.00	17,645.57	8,418.00	197.54	195.95	-89.973	332.54	10,039.52	1,320.00	926.59	393.41	3.355	
17,800.00	8,418.00	17,722.27	8,418.00	199.12	197.54	-89.973	332.77	10,116.22	1,320.00	923.43	396.56	3.329	
17,823.30	8,418.00	17,745.57	8,418.00	199.59	198.02	-89.973	332.84	10,139.52	1,320.00	922.48	397.52	3.321	
17,900.00	8,418.00	17,822.27	8,418.00	201.17	199.60	-89.973	333.06	10,216.22	1,320.00	919.32	400.68	3.294	
17,923.30	8,418.00	17,845.57	8,418.00	201.65	200.08	-89.973	333.13	10,239.52	1,320.00	918.36	401.64	3.287	
18,000.00	8,418.00	17,922.27	8,418.00	203.22	201.66	-89.973	333.36	10,316.22	1,320.00	915.20	404.80	3.261	
18,023.30	8,418.00	17,945.57	8,418.00	203.70	202.14	-89.973	333.43	10,339.52	1,320.00	914.24	405.76	3.253	
18,100.00	8,418.00	18,022.27	8,418.00	205.28	203.73	-89.973	333.66	10,416.22	1,320.00	911.08	408.92	3.228	
18,123.30	8,418.00	18,045.57	8,418.00	205.76	204.21	-89.973	333.73	10,439.52	1,320.00	910.12	409.88	3.220	
18,200.00	8,418.00	18,122.27	8,418.00	207.33	205.79	-89.973	333.96	10,516.22	1,320.00	906.96	413.04	3.196	
18,223.30	8,418.00	18,145.57	8,418.00	207.81	206.27	-89.973	334.03	10,539.52	1,320.00	906.00	414.00	3.188	
18,300.00	8,418.00	18,222.27	8,418.00	209.39	207.86	-89.973	334.26	10,616.22	1,320.00	902.84	417.16	3.164	
18,323.30	8,418.00	18,245.57	8,418.00	209.87	208.34	-89.973	334.33	10,639.52	1,320.00	901.88	418.12	3.157	
18,400.00	8,418.00	18,322.27	8,418.00	211.44	209.92	-89.973	334.56	10,716.22	1,320.00	898.72	421.28	3.133	
18,423.30	8,418.00	18,345.57	8,418.00	211.92	210.40	-89.973	334.62	10,739.52	1,320.00	897.76	422.24	3.126	
18,500.00	8,418.00	18,422.27	8,418.00	213.50	211.98	-89.973	334.85	10,816.22	1,320.00	894.60	425.40	3.103	
18,523.30	8,418.00	18,445.57	8,418.00	213.98	212.46	-89.973	334.92	10,839.52	1,320.00	893.64	426.36	3.096	
18,600.00	8,418.00	18,522.27	8,418.00	215.55	214.05	-89.973	335.15	10,916.22	1,320.00	890.48	429.52	3.073	
18,623.30	8,418.00	18,545.57	8,418.00	216.03	214.53	-89.973	335.22	10,939.52	1,320.00	889.52	430.48	3.066	
18,700.00	8,418.00	18,622.27	8,418.00	217.61	216.11	-89.973	335.45	11,016.22	1,320.00	886.36	433.64	3.044	
18,723.30	8,418.00	18,645.57	8,418.00	218.09	216.59	-89.973	335.52	11,039.52	1,320.00	885.40	434.60	3.037	
18,800.00	8,418.00	18,722.27	8,418.00	219.67	218.18	-89.973	335.75	11,116.22	1,320.00	882.24	437.76	3.015	
18,823.30	8,418.00	18,745.57	8,418.00	220.14	218.66	-89.973	335.82	11,139.52	1,320.00	881.28	438.72	3.009	
18,900.00	8,418.00	18,822.27	8,418.00	221.72	220.24	-89.973	336.05	11,216.22	1,320.00	878.12	441.88	2.987	
18,923.30	8,418.00	18,845.57	8,418.00	222.20	220.72	-89.973	336.12	11,239.52	1,320.00	877.16	442.84	2.981	
19,000.00	8,418.00	18,922.27	8,418.00	223.78	222.31	-89.973	336.34	11,316.22	1,320.00	874.00	446.00	2.960	
19,023.30	8,418.00	18,945.57	8,418.00	224.26	222.79	-89.973	336.41	11,339.52	1,320.00	873.04	446.96	2.953	
19,100.00	8,418.00	19,022.27	8,418.00	225.84	224.37	-89.973	336.64	11,416.22	1,320.00	869.88	450.13	2.933	
19,123.30	8,418.00	19,045.57	8,418.00	226.32	224.85	-89.973	336.71	11,439.52	1,320.00	868.91	451.09	2.926	
19,200.00	8,418.00	19,122.27	8,418.00	227.89	226.44	-89.973	336.94	11,516.22	1,320.00	865.75	454.25	2.906	
19,223.30	8,418.00	19,145.57	8,418.00	228.37	226.92	-89.973	337.01	11,539.52	1,320.00	864.79	455.21	2.900	
19,300.00	8,418.00	19,222.27	8,418.00	229.95	228.50	-89.973	337.24	11,616.22	1,320.00	861.63	458.37	2.880	
19,308.90	8,418.00	19,231.17	8,418.00	230.13	228.68	-89.973	337.27	11,625.12	1,320.00	861.26	458.74	2.877	
19,378.92	8,418.00	19,296.39	8,418.00	231.57	230.03	-89.973	337.46	11,690.34	1,320.01	858.50	461.51	2.860	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3714.42usft

Offset Depths are relative to Offset Datum

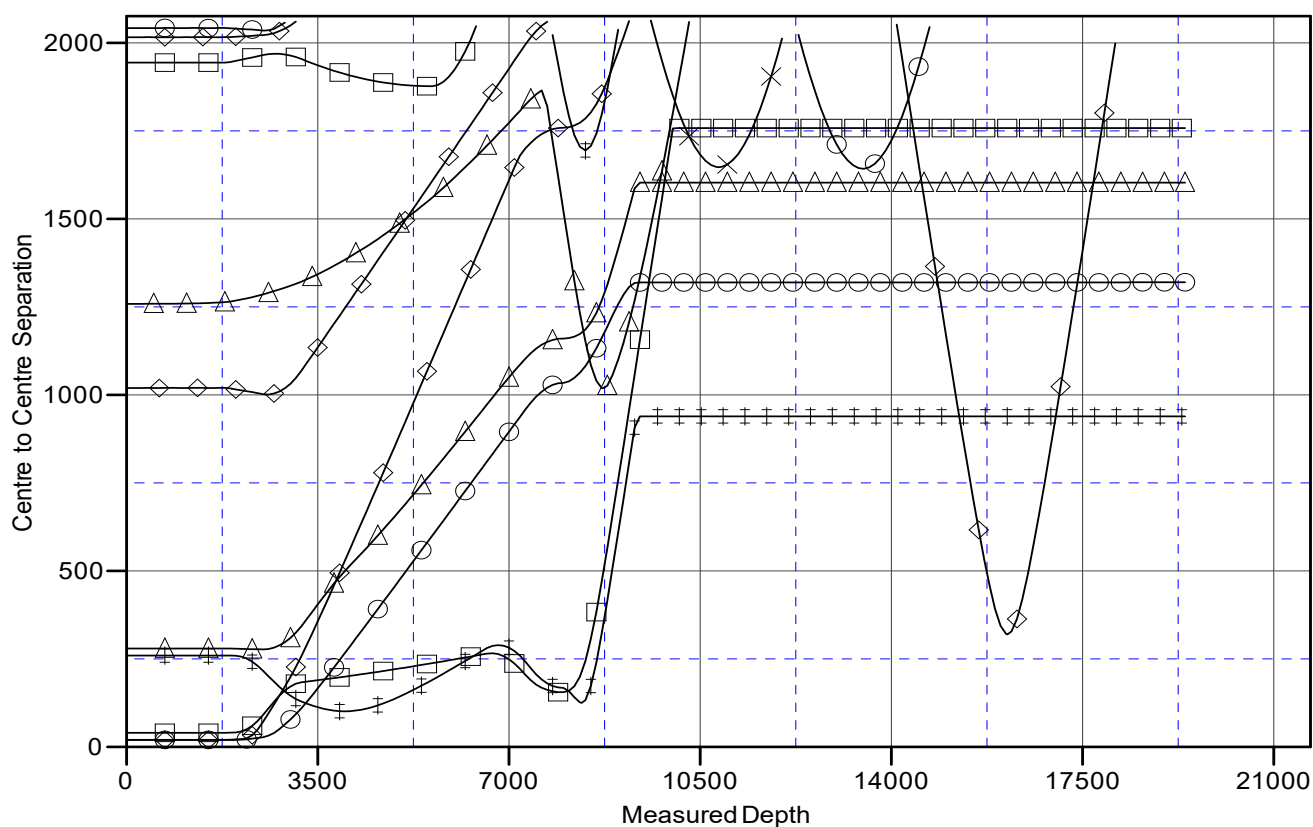
Central Meridian is -104.33333334

Coordinates are relative to: (03) Bond 33-34 FED COM #106H

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

Grid Convergence at Surface is: 0.297°

Ladder Plot



LEGEND

(01) Bond 32-34 FED COM 207H, 207H, Plan 2 V0
 (02) Bond 32-34 FED COM 211H, 211H, Plan 2 V0
 (W17) MAX STATE 001, 26754, (Inc Only) V0
 (W16) LEAR STATE SWD 003, 26703, (Inc Only) V0
 (W21) WANDIVER FEDERAL 001, 26352, (Inc Only) V0

(W12) HULKSTER 005, 39572, (Inc Only) V0
 (W07) GULF MCKAY FEDERAL 001, 25471, (Inc Only) V0
 (W02) LEAR STATE 001H, 38865, (GyroMMD) V0
 (W25) PATTERSON 33 FEDERAL 001, 33411, (Depth Only) V0
 (W03) LEAR STATE 002H, 38866, (GyroMMD) V0

(W06) GULF FEDERAL COM 001, 25637, (Inc Only) V0
 (01) Bond 33-34 FED COM #30H, #306H Plan 1 V0
 (04) Bond 33-34 FED COM #106H, #104H Plan 1 V0
 (02) Bond 33-34 FED COM #30H, #304H Plan 1 V0

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3714.42usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3714.42usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#106H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3714.42usft

Offset Depths are relative to Offset Datum

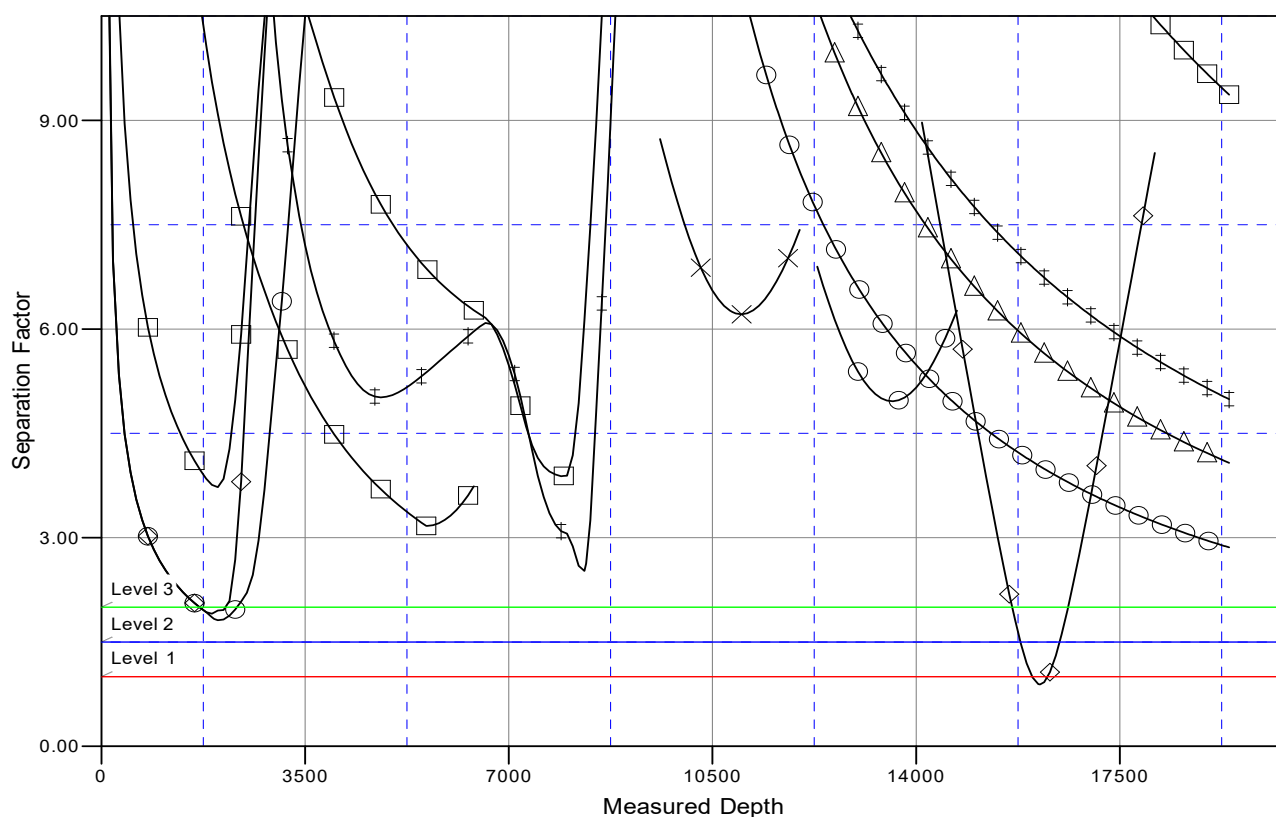
Central Meridian is -104.33333334

Coordinates are relative to: (03) Bond 33-34 FED COM #106H

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

Grid Convergence at Surface is: 0.297°

Separation Factor Plot



LEGEND

(01) Bond 32-34 FED COM 207H, 207H, Plan 2 V0
(02) Bond 32-34 FED COM 211H, 211H, Plan 2 V0
(W17) MAX STATE 001, 26754, (Inc Only) V0
(W16) LEAR STATE SWD 003, 26703, (Inc Only) V0
(W21) VANDERFEDERAL 001, 26352, (Inc Only) V0

(W12) HULKSTER 005, 39572, (Inc Only) V0
(W07) GULF MCKAY FEDERAL 001, 25471, (Inc Only) V0
(W02) LEAR STATE 001H, 38865, (GyroMWD) V0
(W25) PATTERSON 33 FEDERAL 001, 33411, (Depth Only) V0
(W03) LEAR STATE 002H, 38865, (GyroMWD) V0

(W06) GULF FEDERAL COM 001, 25637, (Inc Only) V0
(01) Bond 33-34 FED COM #308H, #308H, Plan 1 V0
(04) Bond 33-34 FED COM #104H, #104H, Plan 1 V0
(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 South Pad - Phase 2

(03) Bond 33-34 FED COM #106H

TBD

#106H

Plan: Plan 1

Standard Planning Report

03 December, 2025

DIXON



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3714.42usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3714.42usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#106H		
Design:	Plan 1		

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

Site		Bond South Pad - Phase 2			
Site Position:		Northing:	618,957.00 usft	Latitude:	32.70035071
From:	Map	Easting:	710,408.11 usft	Longitude:	-103.78370798
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	(03) Bond 33-34 FED COM #106H					
Well Position	+N/-S	0.00 usft	Northing:	618,996.99 usft	Latitude:	32.70046070
	+E/-W	0.00 usft	Easting:	710,402.88 usft	Longitude:	-103.78372431
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,683.92 usft
Grid Convergence:	0.297 °					

Wellbore	#106H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/2/2025	6.348	60.140	47,225.57856248

Design	Plan 1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	89.83	

Plan Survey Tool Program	Date	12/3/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	19,378.92 Plan 1 (#106H)	MWD+IFR1		
			OWSG MWD + IFR1		



Dixon Directional Planning Report

Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3714.42usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3714.42usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#106H		
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	0.000	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,900.00	2.00	270.00	1,899.98	0.00	-1.75	2.00	2.00	0.00	270.000	
2,500.39	2.00	270.00	2,500.00	0.00	-22.70	0.00	0.00	0.00	0.000	
3,227.01	13.24	142.93	3,220.61	-66.75	14.99	2.00	1.55	-17.49	-133.257	
7,303.66	13.24	142.93	7,188.89	-811.75	577.84	0.00	0.00	0.00	0.000	
7,965.69	0.00	99.83	7,845.04	-872.51	623.74	2.00	-2.00	0.00	180.000	
8,865.69	90.00	99.83	8,418.00	-970.33	1,188.29	10.00	10.00	0.00	0.000	
9,365.73	90.00	89.83	8,418.00	-1,012.38	1,685.92	2.00	0.00	0.00	-90.000	
19,378.92	90.00	89.83	8,418.00	-982.52	11,699.07	0.00	0.00	0.00	0.000	PBHL - (03) Bond 33-



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3714.42usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3714.42usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#106H		
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	-11.00
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
Start Build 2.00									
1,900.00	2.00	270.00	1,899.98	0.00	-1.75	-1.75	2.00	2.00	0.00
Start 600.39 hold at 1900.00 MD									
2,000.00	2.00	270.00	1,999.92	0.00	-5.24	-5.24	0.00	0.00	0.00
2,100.00	2.00	270.00	2,099.86	0.00	-8.73	-8.73	0.00	0.00	0.00
2,200.00	2.00	270.00	2,199.80	0.00	-12.22	-12.21	0.00	0.00	0.00
2,300.00	2.00	270.00	2,299.74	0.00	-15.70	-15.70	0.00	0.00	0.00
2,400.00	2.00	270.00	2,399.68	0.00	-19.19	-19.19	0.00	0.00	0.00
2,500.39	2.00	270.00	2,500.00	0.00	-22.70	-22.70	0.00	0.00	0.00
Start DLS 2.00 TFO -133.257									
2,600.00	1.58	203.62	2,599.57	-1.26	-24.99	-24.99	2.00	-0.42	-66.64
2,700.00	3.00	165.76	2,699.50	-5.06	-24.90	-24.91	2.00	1.42	-37.85
2,800.00	4.85	154.18	2,799.26	-11.40	-22.42	-22.45	2.00	1.85	-11.58
2,900.00	6.78	149.08	2,898.74	-20.27	-17.54	-17.60	2.00	1.93	-5.10
3,000.00	8.74	146.24	2,997.82	-31.65	-10.29	-10.38	2.00	1.96	-2.83
3,100.00	10.72	144.44	3,096.38	-45.53	-0.65	-0.79	2.00	1.98	-1.80
3,200.00	12.70	143.20	3,194.29	-61.91	11.34	11.16	2.00	1.98	-1.24
3,227.01	13.24	142.93	3,220.61	-66.75	14.99	14.79	2.00	1.99	-1.01
Start 4076.65 hold at 3227.01 MD									
3,300.00	13.24	142.93	3,291.66	-80.09	25.06	24.83	0.00	0.00	0.00
3,400.00	13.24	142.93	3,389.00	-98.37	38.87	38.58	0.00	0.00	0.00
3,500.00	13.24	142.93	3,486.35	-116.64	52.68	52.33	0.00	0.00	0.00
3,600.00	13.24	142.93	3,583.69	-134.92	66.48	66.08	0.00	0.00	0.00
3,700.00	13.24	142.93	3,681.03	-153.19	80.29	79.84	0.00	0.00	0.00
3,800.00	13.24	142.93	3,778.37	-171.47	94.10	93.59	0.00	0.00	0.00
3,900.00	13.24	142.93	3,875.71	-189.74	107.90	107.34	0.00	0.00	0.00
4,000.00	13.24	142.93	3,973.05	-208.01	121.71	121.09	0.00	0.00	0.00
4,100.00	13.24	142.93	4,070.40	-226.29	135.52	134.85	0.00	0.00	0.00
4,200.00	13.24	142.93	4,167.74	-244.56	149.32	148.60	0.00	0.00	0.00
4,300.00	13.24	142.93	4,265.08	-262.84	163.13	162.35	0.00	0.00	0.00
4,400.00	13.24	142.93	4,362.42	-281.11	176.94	176.10	0.00	0.00	0.00
4,500.00	13.24	142.93	4,459.76	-299.39	190.74	189.86	0.00	0.00	0.00
4,600.00	13.24	142.93	4,557.10	-317.66	204.55	203.61	0.00	0.00	0.00
4,700.00	13.24	142.93	4,654.45	-335.94	218.36	217.36	0.00	0.00	0.00
4,800.00	13.24	142.93	4,751.79	-354.21	232.16	231.11	0.00	0.00	0.00



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3714.42usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3714.42usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#106H		
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)
4,900.00	13.24	142.93	4,849.13	-372.49	245.97	244.86	0.00	0.00	0.00
5,000.00	13.24	142.93	4,946.47	-390.76	259.78	258.62	0.00	0.00	0.00
5,100.00	13.24	142.93	5,043.81	-409.04	273.58	272.37	0.00	0.00	0.00
5,200.00	13.24	142.93	5,141.15	-427.31	287.39	286.12	0.00	0.00	0.00
5,300.00	13.24	142.93	5,238.50	-445.59	301.20	299.87	0.00	0.00	0.00
5,400.00	13.24	142.93	5,335.84	-463.86	315.00	313.63	0.00	0.00	0.00
5,500.00	13.24	142.93	5,433.18	-482.14	328.81	327.38	0.00	0.00	0.00
5,600.00	13.24	142.93	5,530.52	-500.41	342.62	341.13	0.00	0.00	0.00
5,700.00	13.24	142.93	5,627.86	-518.69	356.42	354.88	0.00	0.00	0.00
5,800.00	13.24	142.93	5,725.20	-536.96	370.23	368.64	0.00	0.00	0.00
5,900.00	13.24	142.93	5,822.55	-555.23	384.04	382.39	0.00	0.00	0.00
6,000.00	13.24	142.93	5,919.89	-573.51	397.84	396.14	0.00	0.00	0.00
6,100.00	13.24	142.93	6,017.23	-591.78	411.65	409.89	0.00	0.00	0.00
6,200.00	13.24	142.93	6,114.57	-610.06	425.46	423.65	0.00	0.00	0.00
6,300.00	13.24	142.93	6,211.91	-628.33	439.27	437.40	0.00	0.00	0.00
6,400.00	13.24	142.93	6,309.25	-646.61	453.07	451.15	0.00	0.00	0.00
6,500.00	13.24	142.93	6,406.60	-664.88	466.88	464.90	0.00	0.00	0.00
6,600.00	13.24	142.93	6,503.94	-683.16	480.69	478.66	0.00	0.00	0.00
6,700.00	13.24	142.93	6,601.28	-701.43	494.49	492.41	0.00	0.00	0.00
6,800.00	13.24	142.93	6,698.62	-719.71	508.30	506.16	0.00	0.00	0.00
6,900.00	13.24	142.93	6,795.96	-737.98	522.11	519.91	0.00	0.00	0.00
7,000.00	13.24	142.93	6,893.31	-756.26	535.91	533.67	0.00	0.00	0.00
7,100.00	13.24	142.93	6,990.65	-774.53	549.72	547.42	0.00	0.00	0.00
7,200.00	13.24	142.93	7,087.99	-792.81	563.53	561.17	0.00	0.00	0.00
7,303.66	13.24	142.93	7,188.89	-811.75	577.84	575.43	0.00	0.00	0.00
Start Drop -2.00									
7,400.00	11.31	142.93	7,283.03	-828.09	590.19	587.73	2.00	-2.00	0.00
7,500.00	9.31	142.93	7,381.40	-842.38	600.98	598.48	2.00	-2.00	0.00
7,600.00	7.31	142.93	7,480.35	-853.92	609.69	607.16	2.00	-2.00	0.00
7,700.00	5.31	142.93	7,579.74	-862.69	616.32	613.76	2.00	-2.00	0.00
7,800.00	3.31	142.93	7,679.45	-868.69	620.86	618.28	2.00	-2.00	0.00
7,900.00	1.31	142.93	7,779.36	-871.91	623.29	620.70	2.00	-2.00	0.00
7,965.69	0.00	0.00	7,845.04	-872.51	623.74	621.15	2.00	-2.00	0.00
Start Build 10.00									
8,000.00	3.43	99.83	7,879.34	-872.69	624.76	622.16	10.00	10.00	0.00
8,050.00	8.43	99.83	7,929.05	-873.57	629.85	627.25	10.00	10.00	0.00
8,100.00	13.43	99.83	7,978.13	-875.19	639.19	636.59	10.00	10.00	0.00
8,150.00	18.43	99.83	8,026.19	-877.53	652.70	650.10	10.00	10.00	0.00
8,200.00	23.43	99.83	8,072.88	-880.58	670.30	667.68	10.00	10.00	0.00
8,250.00	28.43	99.83	8,117.83	-884.31	691.84	689.21	10.00	10.00	0.00
8,300.00	33.43	99.83	8,160.71	-888.70	717.15	714.51	10.00	10.00	0.00
8,350.00	38.43	99.83	8,201.18	-893.70	746.05	743.40	10.00	10.00	0.00
8,400.00	43.43	99.83	8,238.94	-899.30	778.32	775.65	10.00	10.00	0.00
8,450.00	48.43	99.83	8,273.71	-905.43	813.70	811.01	10.00	10.00	0.00
8,500.00	53.43	99.83	8,305.21	-912.05	851.94	849.23	10.00	10.00	0.00
8,550.00	58.43	99.83	8,333.21	-919.12	892.74	890.01	10.00	10.00	0.00
8,600.00	63.43	99.83	8,357.50	-926.58	935.79	933.03	10.00	10.00	0.00
8,650.00	68.43	99.83	8,377.88	-934.37	980.75	977.98	10.00	10.00	0.00
8,700.00	73.43	99.83	8,394.21	-942.44	1,027.30	1,024.50	10.00	10.00	0.00
8,750.00	78.43	99.83	8,406.36	-950.71	1,075.08	1,072.25	10.00	10.00	0.00
8,800.00	83.43	99.83	8,414.24	-959.14	1,123.71	1,120.86	10.00	10.00	0.00
8,850.00	88.43	99.83	8,417.79	-967.65	1,172.84	1,169.96	10.00	10.00	0.00
8,865.69	90.00	99.83	8,418.00	-970.33	1,188.29	1,185.41	10.00	10.00	0.00



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3714.42usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3714.42usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#106H		
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)
Start Turn 0.00									
8,900.00	90.00	99.14	8,418.00	-975.99	1,222.13	1,219.23	2.00	0.00	-2.00
9,000.00	90.00	97.14	8,418.00	-990.15	1,321.12	1,318.18	2.00	0.00	-2.00
9,100.00	90.00	95.14	8,418.00	-1,000.85	1,420.54	1,417.57	2.00	0.00	-2.00
9,200.00	90.00	93.14	8,418.00	-1,008.08	1,520.28	1,517.28	2.00	0.00	-2.00
9,300.00	90.00	91.14	8,418.00	-1,011.82	1,620.20	1,617.19	2.00	0.00	-2.00
9,365.73	90.00	89.83	8,418.00	-1,012.38	1,685.92	1,682.91	2.00	0.00	-2.00
Start 10013.19 hold at 9365.73 MD									
9,400.00	90.00	89.83	8,418.00	-1,012.28	1,720.20	1,717.19	0.00	0.00	0.00
9,500.00	90.00	89.83	8,418.00	-1,011.98	1,820.20	1,817.19	0.00	0.00	0.00
9,600.00	90.00	89.83	8,418.00	-1,011.68	1,920.20	1,917.19	0.00	0.00	0.00
9,700.00	90.00	89.83	8,418.00	-1,011.38	2,020.19	2,017.19	0.00	0.00	0.00
9,800.00	90.00	89.83	8,418.00	-1,011.08	2,120.19	2,117.19	0.00	0.00	0.00
9,900.00	90.00	89.83	8,418.00	-1,010.78	2,220.19	2,217.19	0.00	0.00	0.00
10,000.00	90.00	89.83	8,418.00	-1,010.49	2,320.19	2,317.19	0.00	0.00	0.00
10,100.00	90.00	89.83	8,418.00	-1,010.19	2,420.19	2,417.19	0.00	0.00	0.00
10,200.00	90.00	89.83	8,418.00	-1,009.89	2,520.19	2,517.19	0.00	0.00	0.00
10,300.00	90.00	89.83	8,418.00	-1,009.59	2,620.19	2,617.19	0.00	0.00	0.00
10,400.00	90.00	89.83	8,418.00	-1,009.29	2,720.19	2,717.19	0.00	0.00	0.00
10,500.00	90.00	89.83	8,418.00	-1,009.00	2,820.19	2,817.19	0.00	0.00	0.00
10,600.00	90.00	89.83	8,418.00	-1,008.70	2,920.19	2,917.19	0.00	0.00	0.00
10,700.00	90.00	89.83	8,418.00	-1,008.40	3,020.19	3,017.19	0.00	0.00	0.00
10,800.00	90.00	89.83	8,418.00	-1,008.10	3,120.19	3,117.19	0.00	0.00	0.00
10,900.00	90.00	89.83	8,418.00	-1,007.80	3,220.19	3,217.19	0.00	0.00	0.00
11,000.00	90.00	89.83	8,418.00	-1,007.50	3,320.19	3,317.19	0.00	0.00	0.00
11,100.00	90.00	89.83	8,418.00	-1,007.21	3,420.19	3,417.19	0.00	0.00	0.00
11,200.00	90.00	89.83	8,418.00	-1,006.91	3,520.19	3,517.19	0.00	0.00	0.00
11,300.00	90.00	89.83	8,418.00	-1,006.61	3,620.19	3,617.19	0.00	0.00	0.00
11,400.00	90.00	89.83	8,418.00	-1,006.31	3,720.19	3,717.19	0.00	0.00	0.00
11,500.00	90.00	89.83	8,418.00	-1,006.01	3,820.19	3,817.19	0.00	0.00	0.00
11,600.00	90.00	89.83	8,418.00	-1,005.72	3,920.19	3,917.19	0.00	0.00	0.00
11,700.00	90.00	89.83	8,418.00	-1,005.42	4,020.19	4,017.19	0.00	0.00	0.00
11,800.00	90.00	89.83	8,418.00	-1,005.12	4,120.19	4,117.19	0.00	0.00	0.00
11,900.00	90.00	89.83	8,418.00	-1,004.82	4,220.19	4,217.19	0.00	0.00	0.00
12,000.00	90.00	89.83	8,418.00	-1,004.52	4,320.18	4,317.19	0.00	0.00	0.00
12,100.00	90.00	89.83	8,418.00	-1,004.22	4,420.18	4,417.19	0.00	0.00	0.00
12,200.00	90.00	89.83	8,418.00	-1,003.93	4,520.18	4,517.19	0.00	0.00	0.00
12,300.00	90.00	89.83	8,418.00	-1,003.63	4,620.18	4,617.19	0.00	0.00	0.00
12,400.00	90.00	89.83	8,418.00	-1,003.33	4,720.18	4,717.19	0.00	0.00	0.00
12,500.00	90.00	89.83	8,418.00	-1,003.03	4,820.18	4,817.19	0.00	0.00	0.00
12,600.00	90.00	89.83	8,418.00	-1,002.73	4,920.18	4,917.19	0.00	0.00	0.00
12,700.00	90.00	89.83	8,418.00	-1,002.44	5,020.18	5,017.19	0.00	0.00	0.00
12,800.00	90.00	89.83	8,418.00	-1,002.14	5,120.18	5,117.19	0.00	0.00	0.00
12,900.00	90.00	89.83	8,418.00	-1,001.84	5,220.18	5,217.19	0.00	0.00	0.00
13,000.00	90.00	89.83	8,418.00	-1,001.54	5,320.18	5,317.19	0.00	0.00	0.00
13,100.00	90.00	89.83	8,418.00	-1,001.24	5,420.18	5,417.19	0.00	0.00	0.00
13,200.00	90.00	89.83	8,418.00	-1,000.94	5,520.18	5,517.19	0.00	0.00	0.00
13,300.00	90.00	89.83	8,418.00	-1,000.65	5,620.18	5,617.19	0.00	0.00	0.00
13,400.00	90.00	89.83	8,418.00	-1,000.35	5,720.18	5,717.19	0.00	0.00	0.00
13,500.00	90.00	89.83	8,418.00	-1,000.05	5,820.18	5,817.19	0.00	0.00	0.00
13,600.00	90.00	89.83	8,418.00	-999.75	5,920.18	5,917.19	0.00	0.00	0.00
13,700.00	90.00	89.83	8,418.00	-999.45	6,020.18	6,017.19	0.00	0.00	0.00
13,800.00	90.00	89.83	8,418.00	-999.16	6,120.18	6,117.19	0.00	0.00	0.00
13,900.00	90.00	89.83	8,418.00	-998.86	6,220.18	6,217.19	0.00	0.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3714.42usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3714.42usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#106H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,000.00	90.00	89.83	8,418.00	-998.56	6,320.18	6,317.19	0.00	0.00	0.00	
14,100.00	90.00	89.83	8,418.00	-998.26	6,420.18	6,417.19	0.00	0.00	0.00	
14,200.00	90.00	89.83	8,418.00	-997.96	6,520.17	6,517.19	0.00	0.00	0.00	
14,300.00	90.00	89.83	8,418.00	-997.66	6,620.17	6,617.19	0.00	0.00	0.00	
14,400.00	90.00	89.83	8,418.00	-997.37	6,720.17	6,717.19	0.00	0.00	0.00	
14,500.00	90.00	89.83	8,418.00	-997.07	6,820.17	6,817.19	0.00	0.00	0.00	
14,600.00	90.00	89.83	8,418.00	-996.77	6,920.17	6,917.19	0.00	0.00	0.00	
14,700.00	90.00	89.83	8,418.00	-996.47	7,020.17	7,017.19	0.00	0.00	0.00	
14,800.00	90.00	89.83	8,418.00	-996.17	7,120.17	7,117.19	0.00	0.00	0.00	
14,900.00	90.00	89.83	8,418.00	-995.88	7,220.17	7,217.19	0.00	0.00	0.00	
15,000.00	90.00	89.83	8,418.00	-995.58	7,320.17	7,317.19	0.00	0.00	0.00	
15,100.00	90.00	89.83	8,418.00	-995.28	7,420.17	7,417.19	0.00	0.00	0.00	
15,200.00	90.00	89.83	8,418.00	-994.98	7,520.17	7,517.19	0.00	0.00	0.00	
15,300.00	90.00	89.83	8,418.00	-994.68	7,620.17	7,617.19	0.00	0.00	0.00	
15,400.00	90.00	89.83	8,418.00	-994.38	7,720.17	7,717.19	0.00	0.00	0.00	
15,500.00	90.00	89.83	8,418.00	-994.09	7,820.17	7,817.19	0.00	0.00	0.00	
15,600.00	90.00	89.83	8,418.00	-993.79	7,920.17	7,917.19	0.00	0.00	0.00	
15,700.00	90.00	89.83	8,418.00	-993.49	8,020.17	8,017.19	0.00	0.00	0.00	
15,800.00	90.00	89.83	8,418.00	-993.19	8,120.17	8,117.19	0.00	0.00	0.00	
15,900.00	90.00	89.83	8,418.00	-992.89	8,220.17	8,217.19	0.00	0.00	0.00	
16,000.00	90.00	89.83	8,418.00	-992.60	8,320.17	8,317.19	0.00	0.00	0.00	
16,100.00	90.00	89.83	8,418.00	-992.30	8,420.17	8,417.19	0.00	0.00	0.00	
16,200.00	90.00	89.83	8,418.00	-992.00	8,520.17	8,517.19	0.00	0.00	0.00	
16,300.00	90.00	89.83	8,418.00	-991.70	8,620.17	8,617.19	0.00	0.00	0.00	
16,400.00	90.00	89.83	8,418.00	-991.40	8,720.17	8,717.19	0.00	0.00	0.00	
16,500.00	90.00	89.83	8,418.00	-991.10	8,820.16	8,817.19	0.00	0.00	0.00	
16,600.00	90.00	89.83	8,418.00	-990.81	8,920.16	8,917.19	0.00	0.00	0.00	
16,700.00	90.00	89.83	8,418.00	-990.51	9,020.16	9,017.19	0.00	0.00	0.00	
16,800.00	90.00	89.83	8,418.00	-990.21	9,120.16	9,117.19	0.00	0.00	0.00	
16,900.00	90.00	89.83	8,418.00	-989.91	9,220.16	9,217.19	0.00	0.00	0.00	
17,000.00	90.00	89.83	8,418.00	-989.61	9,320.16	9,317.19	0.00	0.00	0.00	
17,100.00	90.00	89.83	8,418.00	-989.32	9,420.16	9,417.19	0.00	0.00	0.00	
17,200.00	90.00	89.83	8,418.00	-989.02	9,520.16	9,517.19	0.00	0.00	0.00	
17,300.00	90.00	89.83	8,418.00	-988.72	9,620.16	9,617.19	0.00	0.00	0.00	
17,400.00	90.00	89.83	8,418.00	-988.42	9,720.16	9,717.19	0.00	0.00	0.00	
17,500.00	90.00	89.83	8,418.00	-988.12	9,820.16	9,817.19	0.00	0.00	0.00	
17,600.00	90.00	89.83	8,418.00	-987.82	9,920.16	9,917.19	0.00	0.00	0.00	
17,700.00	90.00	89.83	8,418.00	-987.53	10,020.16	10,017.19	0.00	0.00	0.00	
17,800.00	90.00	89.83	8,418.00	-987.23	10,120.16	10,117.19	0.00	0.00	0.00	
17,900.00	90.00	89.83	8,418.00	-986.93	10,220.16	10,217.19	0.00	0.00	0.00	
18,000.00	90.00	89.83	8,418.00	-986.63	10,320.16	10,317.19	0.00	0.00	0.00	
18,100.00	90.00	89.83	8,418.00	-986.33	10,420.16	10,417.19	0.00	0.00	0.00	
18,200.00	90.00	89.83	8,418.00	-986.04	10,520.16	10,517.19	0.00	0.00	0.00	
18,300.00	90.00	89.83	8,418.00	-985.74	10,620.16	10,617.19	0.00	0.00	0.00	
18,400.00	90.00	89.83	8,418.00	-985.44	10,720.16	10,717.19	0.00	0.00	0.00	
18,500.00	90.00	89.83	8,418.00	-985.14	10,820.16	10,817.19	0.00	0.00	0.00	
18,600.00	90.00	89.83	8,418.00	-984.84	10,920.16	10,917.19	0.00	0.00	0.00	
18,700.00	90.00	89.83	8,418.00	-984.54	11,020.16	11,017.19	0.00	0.00	0.00	
18,800.00	90.00	89.83	8,418.00	-984.25	11,120.15	11,117.19	0.00	0.00	0.00	
18,900.00	90.00	89.83	8,418.00	-983.95	11,220.15	11,217.19	0.00	0.00	0.00	
19,000.00	90.00	89.83	8,418.00	-983.65	11,320.15	11,317.19	0.00	0.00	0.00	
19,100.00	90.00	89.83	8,418.00	-983.35	11,420.15	11,417.19	0.00	0.00	0.00	
19,200.00	90.00	89.83	8,418.00	-983.05	11,520.15	11,517.19	0.00	0.00	0.00	
19,300.00	90.00	89.83	8,418.00	-982.76	11,620.15	11,617.19	0.00	0.00	0.00	



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 33-34 FED COM #106H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3714.42usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3714.42usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(03) Bond 33-34 FED COM #106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#106H		
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)
19,378.92	90.00	89.83	8,418.00	-982.52	11,699.07	11,696.10	0.00	0.00	0.00
TD at 19378.92									

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
FTP/PP - (03) Bond 33-34 - plan misses target center by 27.79usft at 8968.48usft MD (8418.00 TVD, -986.06 N, 1289.87 E) - Point	0.00	0.00	8,418.00	-1,013.57	1,285.93	617,983.42	711,688.81	32.69765644	-103.77956129
PBHL - (03) Bond 33-34 - plan hits target center - Point	0.00	0.00	8,418.00	-982.52	11,699.07	618,014.47	722,101.95	32.69758778	-103.74571155
LTP - (03) Bond 33-34 F - plan misses target center by 28.92usft at 19300.00usft MD (8418.00 TVD, -982.76 N, 11620.15 E) - Point	0.00	0.00	8,418.00	-982.69	11,649.07	618,014.30	722,051.95	32.69758807	-103.74587409

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,800.00	1,800.00	0.00	0.00	Start Build 2.00	
1,900.00	1,899.98	0.00	-1.75	Start 600.39 hold at 1900.00 MD	
2,500.39	2,500.00	0.00	-22.70	Start DLS 2.00 TFO -133.257	
3,227.01	3,220.61	-66.75	14.99	Start 4076.65 hold at 3227.01 MD	
7,303.66	7,188.89	-811.75	577.84	Start Drop -2.00	
7,965.69	7,845.04	-872.51	623.74	Start Build 10.00	
8,865.69	8,418.00	-970.33	1,188.29	Start Turn 0.00	
9,365.73	8,418.00	-1,012.38	1,685.92	Start 10013.19 hold at 9365.73 MD	
19,378.92	8,418.00	-982.52	11,699.07	TD at 19378.92	

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 544831

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 544831
	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 544831

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 544831
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mikahthomas	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/20/2026
matthew.gomez	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If a CBL is unable to indicate sufficient cement coverage due to a lighter cement, a USI log may also be required. If strata isolation is not achieved, remediation will be required before further operations may commence.	1/21/2026
matthew.gomez	All conducted logs must be submitted to the OCD.	1/21/2026
matthew.gomez	Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	1/21/2026
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	1/21/2026
matthew.gomez	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	1/21/2026
matthew.gomez	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	1/21/2026
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.	1/21/2026