

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. 30-025-55832
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 / 992 FSL / 1128 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.699481 / LONG: -103.783555 (TVD: 0 feet, MD: 0 feet)
PPP: SWSE / 335 FSL / 2630 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.6976413 / LONG: -103.7713357 (TVD: 10150 feet, MD: 13100 feet)
PPP: SWSW / 330 FSL / 100 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.697653 / LONG: -103.779561 (TVD: 10150 feet, MD: 10570 feet)
PPP: NWSW / 330 FSL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.6976236 / LONG: -103.762722 (TVD: 10150 feet, MD: 15750 feet)
PPP: SESE / 330 FSL / 1323 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.697596 / LONG: -103.7498502 (TVD: 10150 feet, MD: 19709 feet)
PPP: SWSE / 330 FSL / 2637 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.6976054 / LONG: -103.7541514 (TVD: 10150 feet, MD: 18386 feet)
BHL: SESE / 330 FSL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.697587 / LONG: -103.745582 (TVD: 10150 feet, MD: 21022 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 301H
ATS/API ID:	ATS-25-1231
APD ID:	10400103832
Sundry ID:	N/a

WELL NAME & NO.:	Bond 32-34 Fed Com 302H
ATS/API ID:	ATS-25-1232
APD ID:	10400103833
Sundry ID:	N/a

WELL NAME & NO.:	Bond 33-34 Fed Com 304H
ATS/API ID:	ATS-25-1222
APD ID:	10400103894
Sundry ID:	N/a

WELL NAME & NO.:	Bond 33-34 Fed Com 305H
ATS/API ID:	ATS-25-1229
APD ID:	10400103911
Sundry ID:	N/a

WELL NAME & NO.:	Bond 33-34 Fed Com 306H
ATS/API ID:	ATS-25-1223
APD ID:	10400103912
Sundry ID:	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.

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

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

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

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **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) 4/14/2025



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: 03/03/2025

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND

State: TX

Zip: 79701

Phone: (432)661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



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

Application Data

11/30/2025

APD ID: 10400103912

Submission Date: 03/16/2025

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 306H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400103912

Tie to previous NOS? N

Submission Date: 03/16/2025

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: 306H

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:** 306H**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:** 992 FT**Reservoir well spacing assigned acres Measurement:** 640 Acres**Well plat:** 24_041778_BOND_FED_COM_306H_C102_20250303143742.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	992	FSL	1128	FEL	18S	32E	32	Aliquot SESE	32.699481	-103.783555	LEA	NEW MEXICO	NEW MEXICO	S	STATE	3681			N
KOP Leg #1	992	FSL	1128	FEL	18S	32E	32	Aliquot SESE	32.699481	-103.783555	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-5769	9570	9450	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	-6469	10570	10150	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 33-34 FED COM**Well Number:** 306H

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	32.6976413	- 103.7713357	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 24161	- 6469	13100	10150	Y
PPP Leg #1-3	330	FSL	0	FWL	18S	32E	34	Aliquot NWSW	32.6976236	- 103.762722	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 67988	- 6469	15750	10150	Y
PPP Leg #1-4	330	FSL	2637	FWL	18S	32E	34	Aliquot SWSE	32.6976054	- 103.7541514	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 0556094	- 6469	18386	10150	Y
PPP Leg #1-5	330	FSL	1323	FEL	18S	32E	34	Aliquot SESE	32.697596	- 103.7498502	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 67988	- 6469	19709	10150	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	- 6469	20932	10150	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	- 6469	21022	10150	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 306H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,681.28'
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		992' FSL	1,128' FEL	32.699481°	-103.783555°	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		992' FSL	1,128' FEL	32.699481°	-103.783555°	LEA

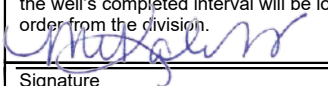
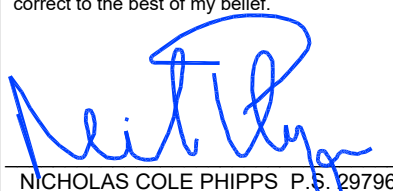
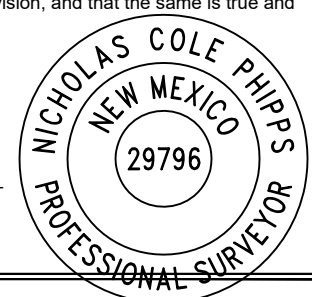
First Take Point (FTP)

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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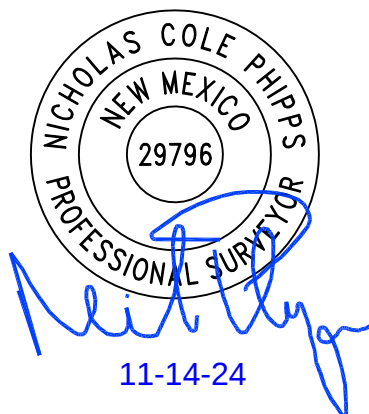
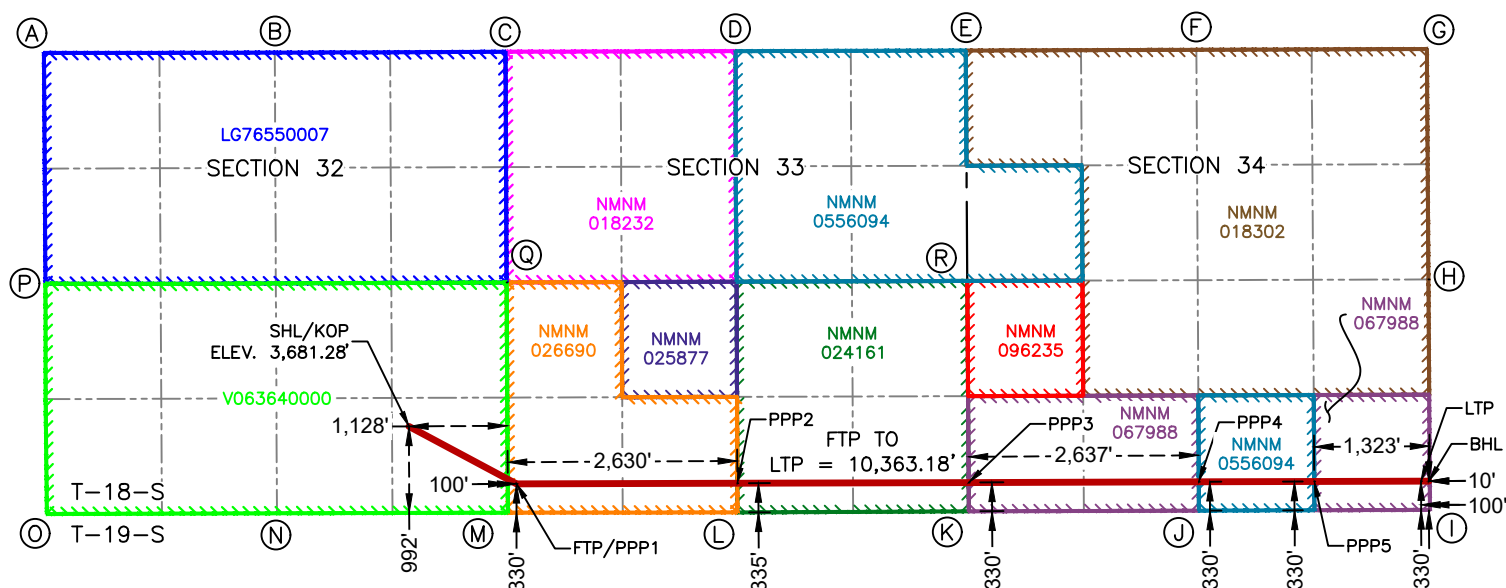
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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.  Signature Mikah Thomas Printed Name mikah@pbex.com Email Address		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  NICHOLAS COLE PHIPPS P.S. 29796 COOSA CONSULTING CORPORATION PO BOX 1583, MIDLAND, TEXAS 79701 Signature and Seal of Professional Surveyor  Certificate Number 29796 Date of Survey 11/14/2024	
--	--	--	--

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

ACREAGE DEDICATION PLATS

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

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



**SURFACE HOLE LOCATION
& KICK-OFF POINT**
992' FSL & 1,128' FEL
ELEV. = 3,681.28'

NAD 83 X = 710,456.72'
NAD 83 Y = 618,640.92'
NAD 83 LAT = 32.699481°
NAD 83 LONG = -103.783555°

**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: 10400103912

Submission Date: 03/16/2025

Highlighted data
reflects the most
recent changes

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 306H

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
16453411	QUATERNARY	3681	0	0	ALLUVIUM	NONE	N
16453413	RUSTLER	2531	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16453422	TOP OF SALT	2251	1430	1430	ANHYDRITE, SALT	NONE	N
16453423	BASE OF SALT	1506	2175	2175	ANHYDRITE, SALT	NONE	N
16453438	YATES	809	2872	2892	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16453439	SEVEN RIVERS	486	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16453440	QUEEN	-94	3775	3795	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16453442	SAN ANDRES	-584	4265	4285	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16453427	CHERRY CANYON	-934	4615	4615	LIMESTONE, SANDSTONE, SHALE	NONE	N
16453428	BRUSHY CANYON	-1364	5045	5045	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453429	BONE SPRING LIME	-3288	6969	6989	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453430	AVALON SAND	-3509	7190	7190	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453443	BONE SPRING 1ST	-4639	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453444	BONE SPRING 2ND	-4944	8625	8675	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453445	BONE SPRING 2ND	-5209	8890	8940	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16453446	BONE SPRING 3RD	-5749	9430	9490	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16453447	BONE SPRING 3RD	-6154	9835	9915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 33-34 FED COM**Well Number:** 306H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16453448	WOLFCAMP	-6504	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 BOP system 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. If 10M system, we will test annular to 100% of WP (5,000 psi) 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

PBEX_10M_Choke_Manifold_20250303142539.pdf

BOP Diagram Attachment:

5M_BOP_EGL_20241218135409.pdf

PBEX_10M_BOP_Diagram_20250303142544.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	3681	2371	1310	J-55	54.5	BUTT	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	9450	0	9350	3681	-5669	9450	HCL -80	40	BUTT	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 306H

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
3	PRODUCTI ON	8.75	5.5	NEW	API	N	0	21022	0	10150	3643	-6469	21022	P- 110	20	OTHER - CDC HTQ	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375_54.5000_0.3800_J55_data_sheet_20250303144941.pdf

Casing_Design_Assmpt_3_string_casing_20250303145001.pdf

Casing ID: 2StringINTERMEDIATE

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

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 306H

Casing Attachments

Casing ID: 3StringPRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- 5.5_20.00_P110HP_CDC_HTQ_Data_Sheet_20250303145650.pdf
- Casing_Design_Assmpt_3_string_casing_20250303145410.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	8350	694	6.19	10	4297	60	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
INTERMEDIATE	Tail		8350	9450	130	1.38	13.8	179.4	15	C or H	Fluid Loss, Retarder, LCM
PRODUCTION	Lead		5850	8850	525	1.49	12.5	782.3	0	H	Fluid Loss, Retarder, LCM
PRODUCTION	Tail		8850	21022	2564	1.49	13.5	3820.2	20	H	Fluid Loss, Retarder, LCM

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 33-34 FED COM

Well Number: 306H

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	9450	SALT SATURATED	8.8	9.6							
9450	2102 2	OIL-BASED MUD	11	12.5							

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.

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 33-34 FED COM**Well Number:** 306H

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6598**Anticipated Surface Pressure:** 4364**Anticipated Bottom Hole Temperature(F):** 240**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__306H__Plan_1__20250303145936.pdf

BOND_33_34_FED_COM__306H__Plan_1_AC_Report_20250303145939.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_3BSS_20250303143145.pdf

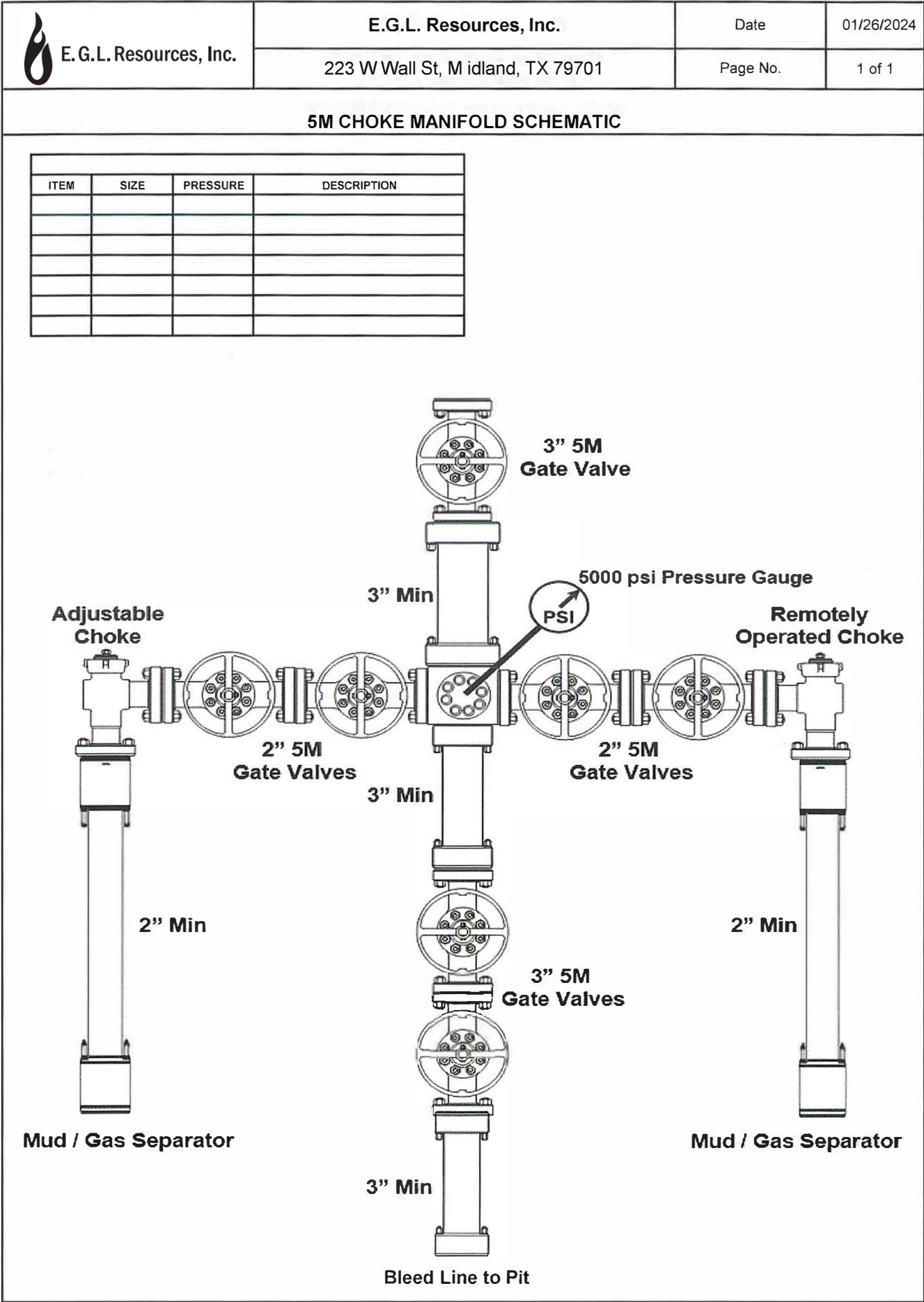
PBEX_Operations__LLC_NGMP_Best_Practices_20250212141054.pdf

Well_Control_Plan_PBEX_v2_20250303143210.pdf

Wellhead_Schematic_9.625_10M_3T_20250212135648.pdf

Bond_33_34_FED_COM__306H_Drill_Plan_v5_20250316223321.pdf

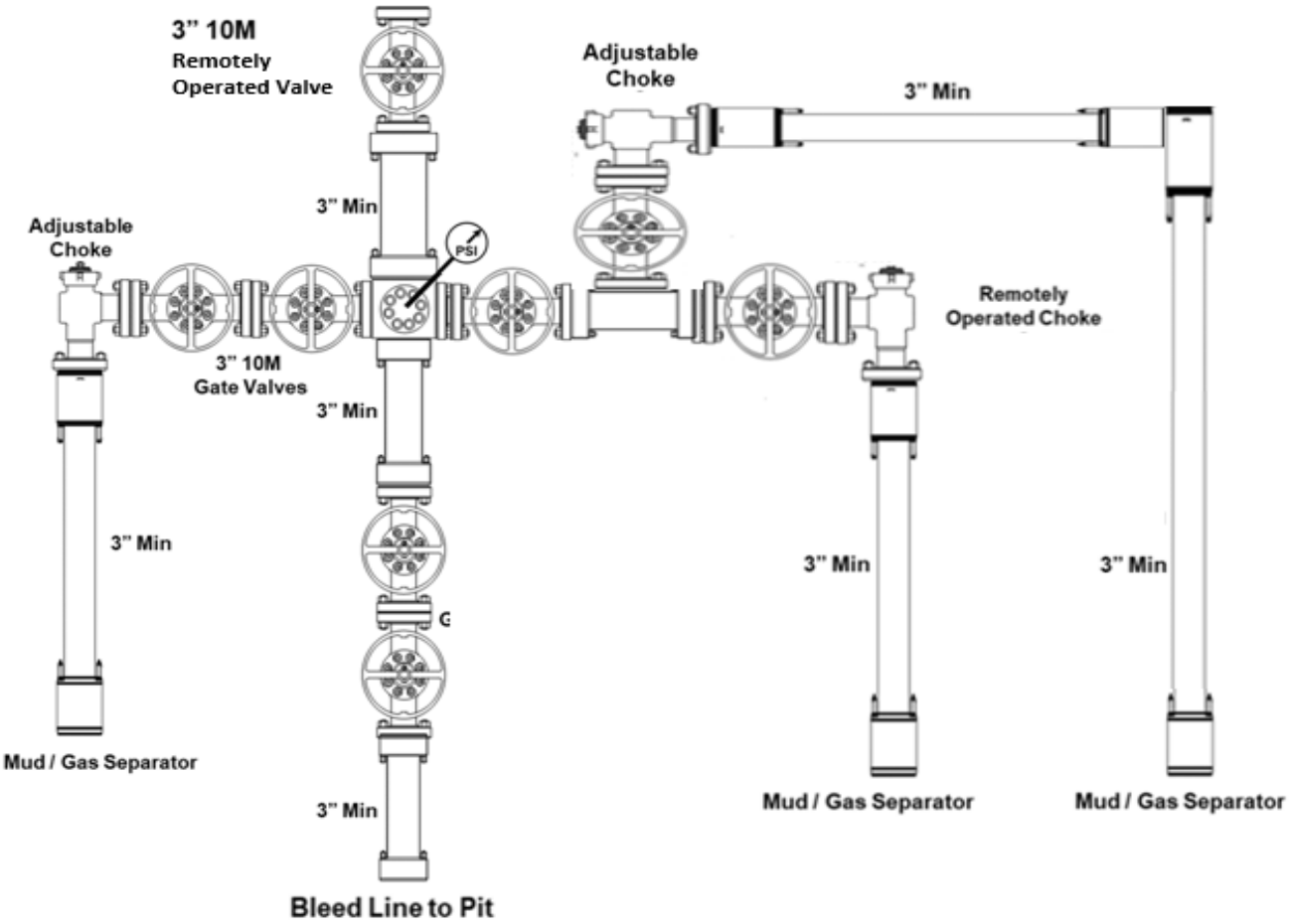
Other Variance request(s)?: N**Other Variance attachment:**



	PBEX	Date	6/05/2024
	223 W. Wall St #900 Midland, TX 79701	Page No.	1 of 1

10M CHOKE MANIFOLD SCHEMATIC

ITEM	SIZE	PRESSURE	DESCRIPTION





E. G. L. Resources, Inc.

E.G.L. Resources, Inc.

Date

1/26/2024

223 W Wall St, Midland, TX 79701

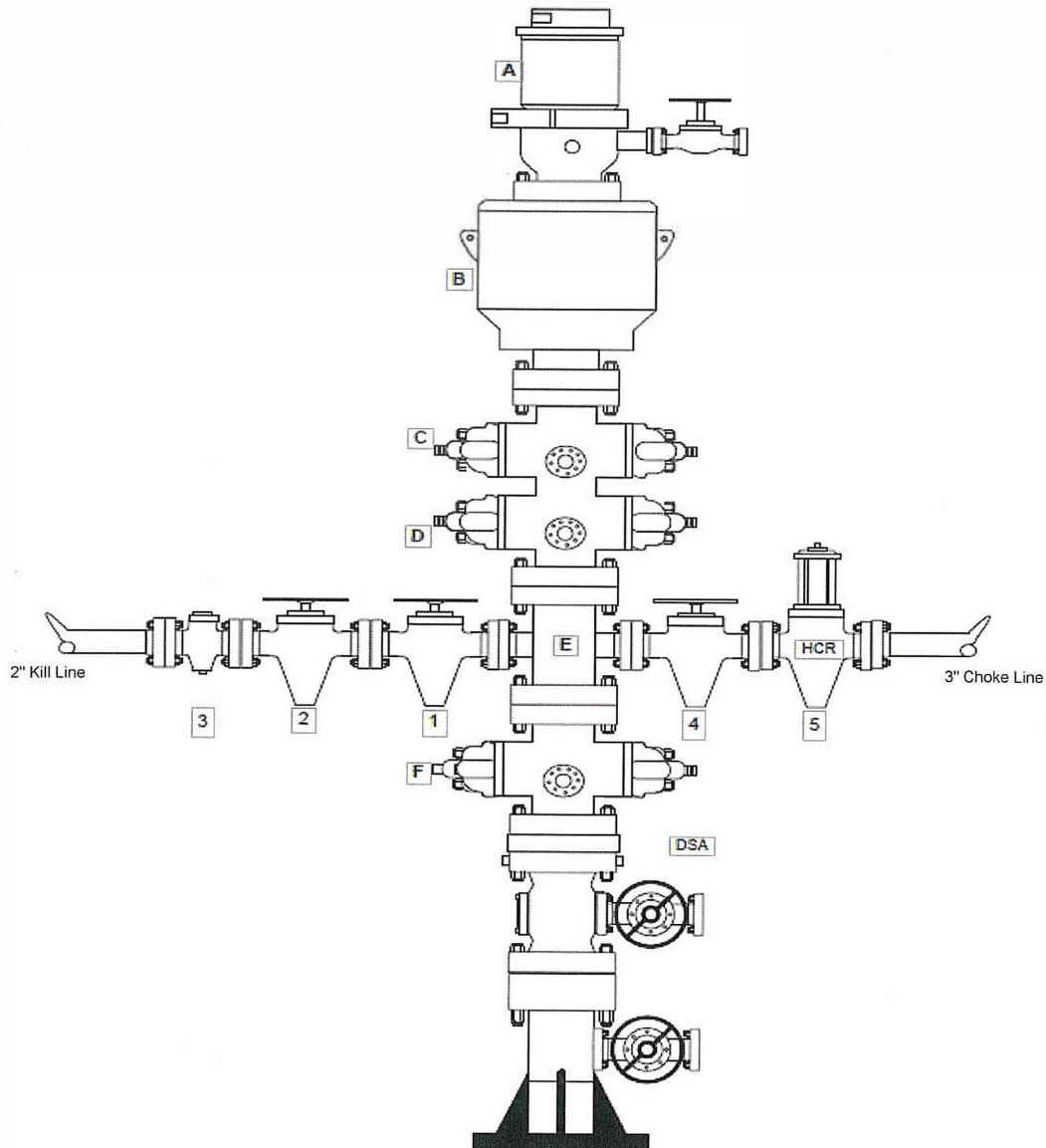
Page No.

1 of 1

5M BLOWOUT PREVENTER SCHEMATIC

BLOWOUT PREVENTOR COMPONENTS

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



KILL LINE

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

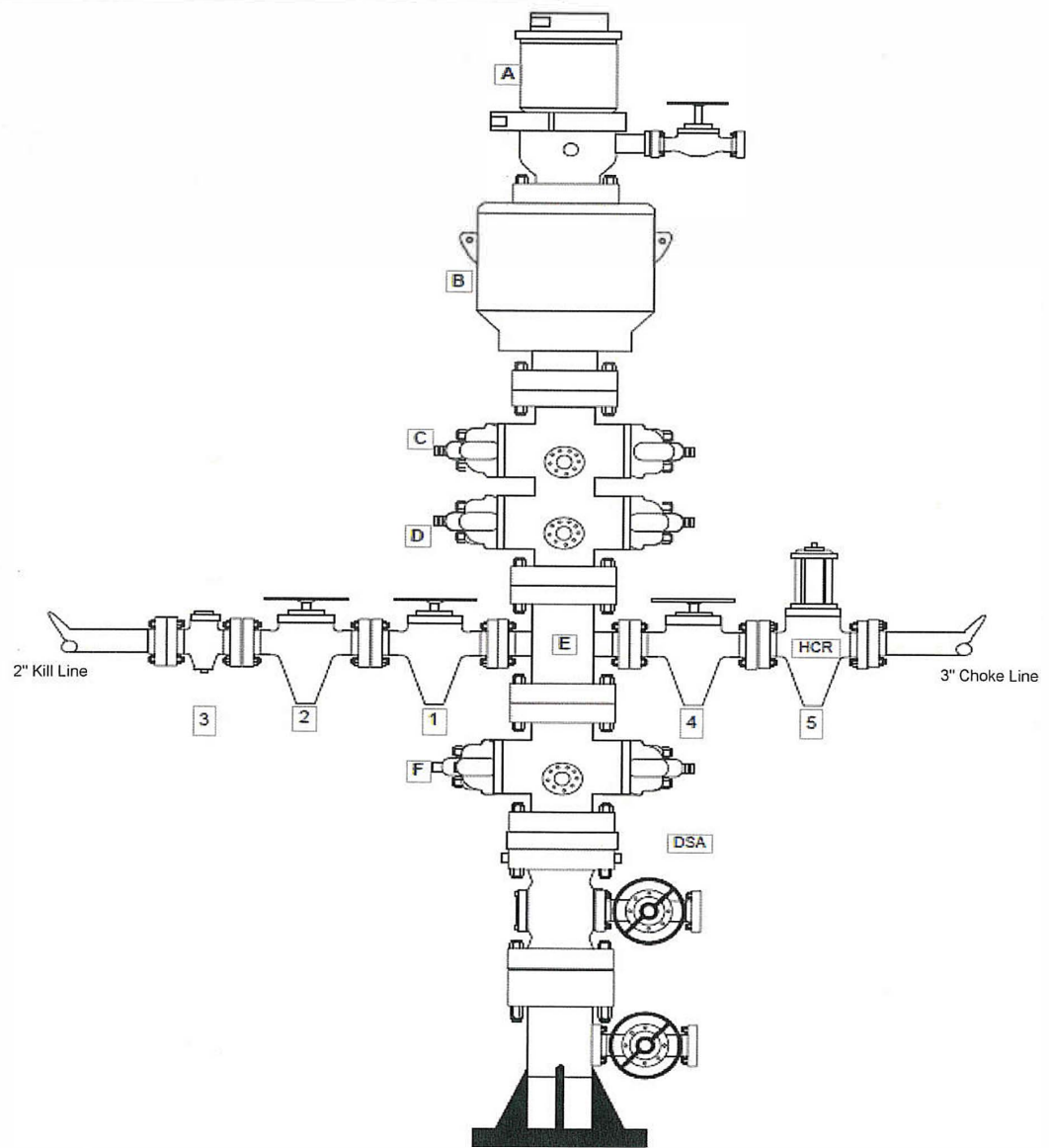
CHOKE LINE

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

	PBEX	Date	6/05/2024
	223 W. Wall St #900 Midland, TX 79701	Page No.	1 of 1

10M BLOWOUT PREVENTER SCHEMATIC

BLOWOUT PREVENTOR COMPONENTS			
ITEM	SIZE	PRESSURE	DESCRIPTION
A	13-5/8"	1,500 psi	Rotating Head + Valve
B	13-5/8"	5,000 psi	Annular Preventer
C	13-5/8"	10,000 psi	Pipe Rams
D	13-5/8"	10,000 psi	Blind Rams
E	13-5/8"	10,000 psi	Mud Cross
F	13-5/8"	10,000 psi	Pipe Rams

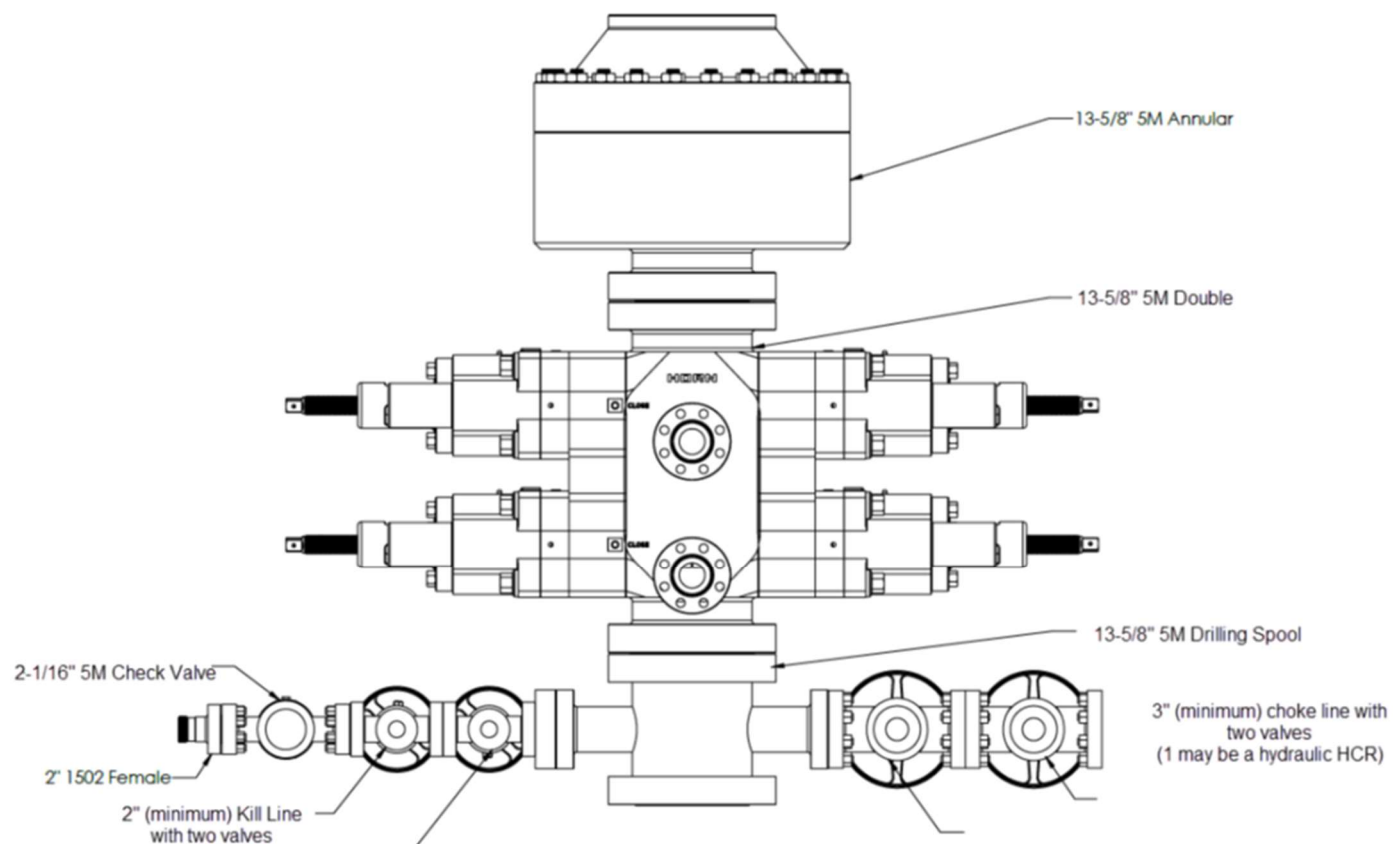


The diagram shows a vertical blowout preventer assembly. At the top is the Rotating Head + Valve (A). Below it is the Annular Preventer (B). Then are two sets of Pipe Rams (C) and Blind Rams (D). Below these is the Mud Cross (E). At the bottom are two more sets of Pipe Rams (F). To the left of the main assembly is the 2" Kill Line with components 1 (Gate Valve), 2 (Gate Valve), and 3 (Check Valve). To the right is the 3" Choke Line with components 4 (Gate Valve) and 5 (HCR Valve). A DSA (Drift Seal Assembly) is located at the bottom of the main assembly.

KILL LINE			
ITEM	SIZE	PRESSURE	DESCRIPTION
1	2"	10,000 psi	Gate Valve
2	2"	10,000 psi	Gate Valve
3	2"	10,000 psi	Check Valve

CHOKE LINE			
ITEM	SIZE	PRESSURE	DESCRIPTION
4	3"	10,000 psi	Gate Valve
5	3"	10,000 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	--

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Notes

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U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

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



9.625" 40# .395" J-55

Dimensions (Nominal)

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

Performance Properties

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

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



U. S. Steel Tubular Products
5.500" 20.00lb/ft (0.361" Wall) P110 HP USS-CDC HTQ[®]

5/3/2024 11:30:57 AM



MECHANICAL PROPERTIES	Pipe	USS-CDC HTQ [®]		--
Minimum Yield Strength	125,000	--	psi	--
Maximum Yield Strength	140,000	--	psi	--
Minimum Tensile Strength	130,000	--	psi	--
DIMENSIONS	Pipe	USS-CDC HTQ [®]		--
Outside Diameter	5.500	6.300	in.	--
Wall Thickness	0.361	--	in.	--
Inside Diameter	4.778	4.778	in.	--
Standard Drift	4.653	4.653	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	20.00	--	lb/ft	--
Plain End Weight	19.83	--	lb/ft	--
SECTION AREA	Pipe	USS-CDC HTQ [®]		--
Critical Area	5.828	5.828	sq. in.	--
Joint Efficiency	--	97.0	%	--
PERFORMANCE	Pipe	USS-CDC HTQ [®]		--
Minimum Collapse Pressure	13,150	13,150	psi	--
External Pressure Leak Resistance	--	10,520	psi	--
Minimum Internal Yield Pressure	14,360	14,360	psi	--
Minimum Pipe Body Yield Strength	729,000	--	lb	--
Joint Strength	--	707,000	lb	--
Compression Rating	--	424,000	lb	--
Reference Length	--	23,567	ft	--
Maximum Uniaxial Bend Rating	--	60.6	deg/100 ft	--
MAKE-UP DATA	Pipe	USS-CDC HTQ [®]		--
Make-Up Loss	--	4.63	in.	--
Minimum Make-Up Torque	--	14,500	ft-lb	--
Maximum Make-Up Torque	--	20,500	ft-lb	--
Connection Yield Torque	--	25,300	ft-lb	--

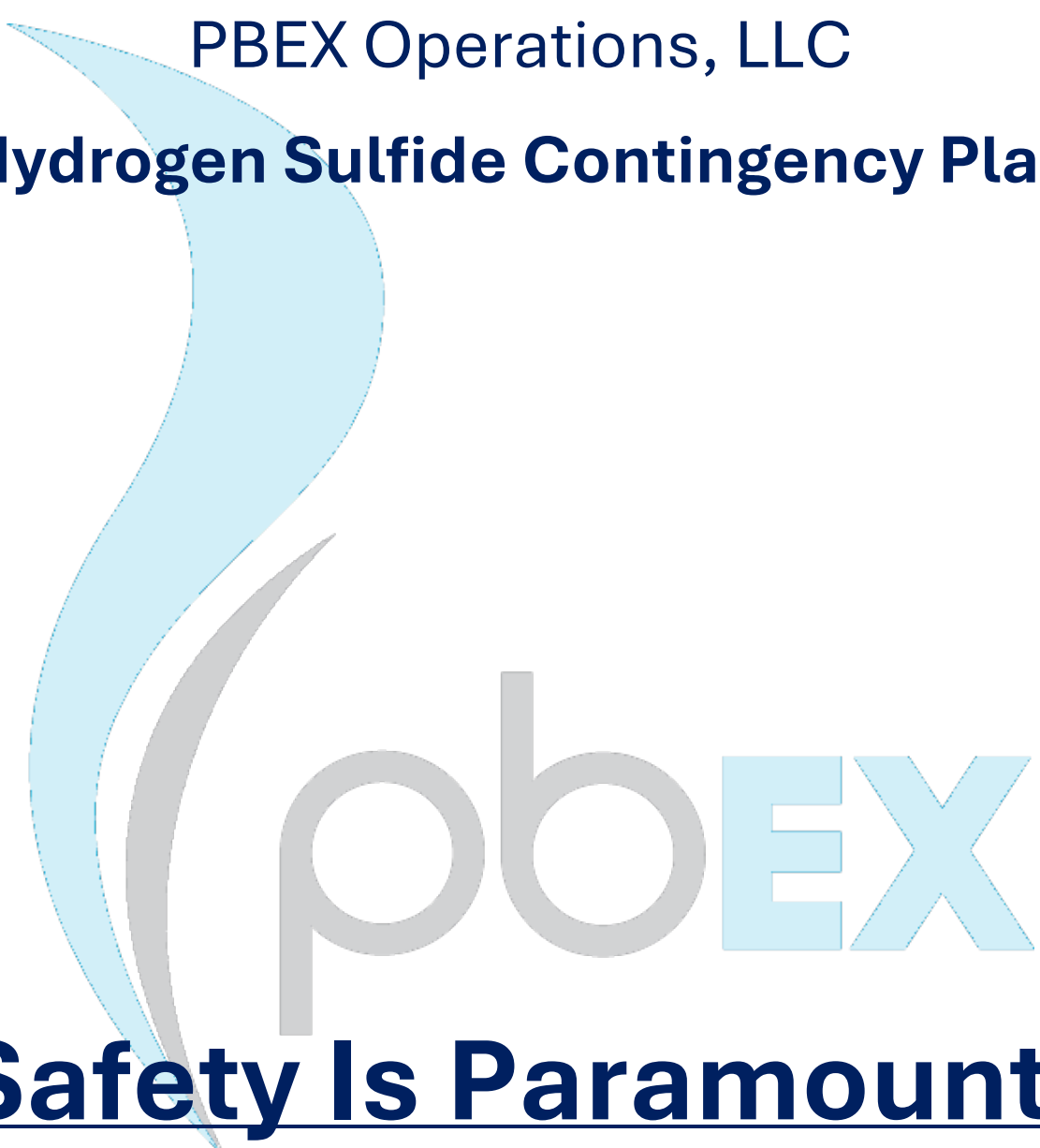
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Notes

- 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 bending rating shown is structural only, and equal to compression efficiency.
- 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 threaded and coupled weight with 1.5 safety factor.
- 5. Connection external pressure leak resistance has been verified to 80% API pipe body collapse pressure following the guidelines of API 5C5 Cal II.

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USS - CDC 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.



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

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

6. TOXICITY OF VARIOUS GASES

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

1 Air = 1.0

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

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

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

7. PROPERTIES OF GASES

1. CARBON DIOXIDE

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

2. HYDROGEN SULFIDE

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



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

3. SULPHUR DIOXIDE

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

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

8. EVACUATION OF THE GENERAL PUBLIC

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

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



PBEX

Lea, County NM (NAD 83)

Sec 33-18S-32E

BOND 33-34 FED COM #306H

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 #306H
Company:	PBEX	TVD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #306H	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 #306H					
Well Position	+N/-S	0.00 usft	Northing:	618,640.92 usft	Latitude:	32.69948125
	+E/-W	0.00 usft	Easting:	710,456.72 usft	Longitude:	-103.78355529
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,681.28 usft
Grid Convergence:		0.30 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM CURRENT	1/30/2025	6.58	60.40	47,434.10000000

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	21,022.43	Plan 1 (Wellbore #1)	MWD+IFR1+MS	
				OWSG MWD + IFR1 + Multi-St	



Planning Report



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Well:	BOND 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,899.46	7.99	132.71	1,898.17	-18.86	20.43	2.00	2.00	0.00	132.71	
7,659.03	7.99	132.71	7,601.83	-561.79	608.67	0.00	0.00	0.00	0.00	
8,058.49	0.00	0.00	8,000.00	-580.65	629.10	2.00	-2.00	0.00	180.00	
9,635.53	0.00	0.00	9,577.04	-580.65	629.10	0.00	0.00	0.00	0.00	
10,535.53	90.00	96.00	10,150.00	-640.54	1,198.92	10.00	10.00	0.00	96.00	
10,843.85	90.00	89.83	10,150.00	-656.22	1,506.69	2.00	0.00	-2.00	-90.00	
21,022.43	90.00	89.83	10,150.00	-626.65	11,685.23	0.00	0.00	0.00	0.00	BOND 33-34 306H Bl



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #306H
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Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #306H	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	132.71	1,599.98	-1.18	1.28	1.28	2.00	2.00	0.00
1,700.00	4.00	132.71	1,699.84	-4.73	5.13	5.13	2.00	2.00	0.00
1,800.00	6.00	132.71	1,799.45	-10.64	11.53	11.53	2.00	2.00	0.00
1,899.46	7.99	132.71	1,898.17	-18.86	20.43	20.43	2.00	2.00	0.00
Start 5759.57 hold at 1899.46 MD									
2,000.00	7.99	132.71	1,997.73	-28.34	30.70	30.70	0.00	0.00	0.00
2,100.00	7.99	132.71	2,096.76	-37.76	40.91	40.91	0.00	0.00	0.00
2,200.00	7.99	132.71	2,195.79	-47.19	51.13	51.13	0.00	0.00	0.00
2,300.00	7.99	132.71	2,294.82	-56.62	61.34	61.34	0.00	0.00	0.00
2,400.00	7.99	132.71	2,393.85	-66.04	71.55	71.55	0.00	0.00	0.00
2,500.00	7.99	132.71	2,492.88	-75.47	81.77	81.77	0.00	0.00	0.00
2,600.00	7.99	132.71	2,591.91	-84.90	91.98	91.98	0.00	0.00	0.00
2,700.00	7.99	132.71	2,690.94	-94.32	102.19	102.19	0.00	0.00	0.00
2,800.00	7.99	132.71	2,789.97	-103.75	112.41	112.41	0.00	0.00	0.00
2,900.00	7.99	132.71	2,889.00	-113.18	122.62	122.62	0.00	0.00	0.00
3,000.00	7.99	132.71	2,988.03	-122.60	132.83	132.83	0.00	0.00	0.00
3,100.00	7.99	132.71	3,087.05	-132.03	143.05	143.05	0.00	0.00	0.00
3,200.00	7.99	132.71	3,186.08	-141.46	153.26	153.26	0.00	0.00	0.00
3,300.00	7.99	132.71	3,285.11	-150.88	163.47	163.47	0.00	0.00	0.00
3,400.00	7.99	132.71	3,384.14	-160.31	173.69	173.69	0.00	0.00	0.00
3,500.00	7.99	132.71	3,483.17	-169.74	183.90	183.90	0.00	0.00	0.00
3,600.00	7.99	132.71	3,582.20	-179.16	194.11	194.11	0.00	0.00	0.00
3,700.00	7.99	132.71	3,681.23	-188.59	204.32	204.32	0.00	0.00	0.00
3,800.00	7.99	132.71	3,780.26	-198.02	214.54	214.54	0.00	0.00	0.00
3,900.00	7.99	132.71	3,879.29	-207.44	224.75	224.75	0.00	0.00	0.00
4,000.00	7.99	132.71	3,978.32	-216.87	234.96	234.96	0.00	0.00	0.00
4,100.00	7.99	132.71	4,077.35	-226.30	245.18	245.18	0.00	0.00	0.00
4,200.00	7.99	132.71	4,176.38	-235.72	255.39	255.39	0.00	0.00	0.00
4,300.00	7.99	132.71	4,275.41	-245.15	265.60	265.60	0.00	0.00	0.00
4,400.00	7.99	132.71	4,374.44	-254.58	275.82	275.82	0.00	0.00	0.00
4,500.00	7.99	132.71	4,473.47	-264.00	286.03	286.03	0.00	0.00	0.00
4,600.00	7.99	132.71	4,572.50	-273.43	296.24	296.24	0.00	0.00	0.00
4,700.00	7.99	132.71	4,671.53	-282.86	306.46	306.46	0.00	0.00	0.00
4,800.00	7.99	132.71	4,770.56	-292.28	316.67	316.67	0.00	0.00	0.00
4,900.00	7.99	132.71	4,869.58	-301.71	326.88	326.88	0.00	0.00	0.00
5,000.00	7.99	132.71	4,968.61	-311.13	337.10	337.10	0.00	0.00	0.00
5,100.00	7.99	132.71	5,067.64	-320.56	347.31	347.31	0.00	0.00	0.00



Planning Report



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Well:	BOND 33-34 FED COM #306H	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)
5,200.00	7.99	132.71	5,166.67	-329.99	357.52	357.52	0.00	0.00	0.00
5,300.00	7.99	132.71	5,265.70	-339.41	367.74	367.74	0.00	0.00	0.00
5,400.00	7.99	132.71	5,364.73	-348.84	377.95	377.95	0.00	0.00	0.00
5,500.00	7.99	132.71	5,463.76	-358.27	388.16	388.16	0.00	0.00	0.00
5,600.00	7.99	132.71	5,562.79	-367.69	398.38	398.38	0.00	0.00	0.00
5,700.00	7.99	132.71	5,661.82	-377.12	408.59	408.59	0.00	0.00	0.00
5,800.00	7.99	132.71	5,760.85	-386.55	418.80	418.80	0.00	0.00	0.00
5,900.00	7.99	132.71	5,859.88	-395.97	429.02	429.02	0.00	0.00	0.00
6,000.00	7.99	132.71	5,958.91	-405.40	439.23	439.23	0.00	0.00	0.00
6,100.00	7.99	132.71	6,057.94	-414.83	449.44	449.44	0.00	0.00	0.00
6,200.00	7.99	132.71	6,156.97	-424.25	459.65	459.65	0.00	0.00	0.00
6,300.00	7.99	132.71	6,256.00	-433.68	469.87	469.87	0.00	0.00	0.00
6,400.00	7.99	132.71	6,355.03	-443.11	480.08	480.08	0.00	0.00	0.00
6,500.00	7.99	132.71	6,454.06	-452.53	490.29	490.29	0.00	0.00	0.00
6,600.00	7.99	132.71	6,553.09	-461.96	500.51	500.51	0.00	0.00	0.00
6,700.00	7.99	132.71	6,652.11	-471.39	510.72	510.72	0.00	0.00	0.00
6,800.00	7.99	132.71	6,751.14	-480.81	520.93	520.93	0.00	0.00	0.00
6,900.00	7.99	132.71	6,850.17	-490.24	531.15	531.15	0.00	0.00	0.00
7,000.00	7.99	132.71	6,949.20	-499.67	541.36	541.36	0.00	0.00	0.00
7,100.00	7.99	132.71	7,048.23	-509.09	551.57	551.57	0.00	0.00	0.00
7,200.00	7.99	132.71	7,147.26	-518.52	561.79	561.79	0.00	0.00	0.00
7,300.00	7.99	132.71	7,246.29	-527.95	572.00	572.00	0.00	0.00	0.00
7,400.00	7.99	132.71	7,345.32	-537.37	582.21	582.21	0.00	0.00	0.00
7,500.00	7.99	132.71	7,444.35	-546.80	592.43	592.43	0.00	0.00	0.00
7,600.00	7.99	132.71	7,543.38	-556.23	602.64	602.64	0.00	0.00	0.00
7,659.03	7.99	132.71	7,601.83	-561.79	608.67	608.67	0.00	0.00	0.00
Start Drop -2.00									
7,700.00	7.17	132.71	7,642.45	-565.46	612.64	612.64	2.00	-2.00	0.00
7,800.00	5.17	132.71	7,741.86	-572.75	620.54	620.54	2.00	-2.00	0.00
7,900.00	3.17	132.71	7,841.59	-577.68	625.88	625.88	2.00	-2.00	0.00
8,000.00	1.17	132.71	7,941.52	-580.25	628.66	628.66	2.00	-2.00	0.00
8,058.49	0.00	0.00	8,000.00	-580.65	629.10	629.10	2.00	-2.00	0.00
Start 1577.04 hold at 8058.49 MD									
8,100.00	0.00	0.00	8,041.51	-580.65	629.10	629.10	0.00	0.00	0.00
8,200.00	0.00	0.00	8,141.51	-580.65	629.10	629.10	0.00	0.00	0.00
8,300.00	0.00	0.00	8,241.51	-580.65	629.10	629.10	0.00	0.00	0.00
8,400.00	0.00	0.00	8,341.51	-580.65	629.10	629.10	0.00	0.00	0.00
8,500.00	0.00	0.00	8,441.51	-580.65	629.10	629.10	0.00	0.00	0.00
8,600.00	0.00	0.00	8,541.51	-580.65	629.10	629.10	0.00	0.00	0.00
8,700.00	0.00	0.00	8,641.51	-580.65	629.10	629.10	0.00	0.00	0.00
8,800.00	0.00	0.00	8,741.51	-580.65	629.10	629.10	0.00	0.00	0.00
8,900.00	0.00	0.00	8,841.51	-580.65	629.10	629.10	0.00	0.00	0.00
9,000.00	0.00	0.00	8,941.51	-580.65	629.10	629.10	0.00	0.00	0.00
9,100.00	0.00	0.00	9,041.51	-580.65	629.10	629.10	0.00	0.00	0.00
9,200.00	0.00	0.00	9,141.51	-580.65	629.10	629.10	0.00	0.00	0.00
9,300.00	0.00	0.00	9,241.51	-580.65	629.10	629.10	0.00	0.00	0.00
9,400.00	0.00	0.00	9,341.51	-580.65	629.10	629.10	0.00	0.00	0.00
9,500.00	0.00	0.00	9,441.51	-580.65	629.10	629.10	0.00	0.00	0.00
9,600.00	0.00	0.00	9,541.51	-580.65	629.10	629.10	0.00	0.00	0.00
9,635.53	0.00	0.00	9,577.04	-580.65	629.10	629.10	0.00	0.00	0.00
Start Build 10.00									
9,650.00	1.45	96.00	9,591.51	-580.67	629.28	629.28	10.00	10.00	0.00
9,700.00	6.45	96.00	9,641.38	-581.03	632.70	632.70	10.00	10.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,750.00	11.45	96.00	9,690.75	-581.84	640.44	640.44	10.00	10.00	0.00	
9,800.00	16.45	96.00	9,739.26	-583.10	652.42	652.42	10.00	10.00	0.00	
9,850.00	21.45	96.00	9,786.54	-584.80	668.56	668.56	10.00	10.00	0.00	
9,900.00	26.45	96.00	9,832.22	-586.92	688.73	688.73	10.00	10.00	0.00	
9,950.00	31.45	96.00	9,875.96	-589.45	712.79	712.79	10.00	10.00	0.00	
10,000.00	36.45	96.00	9,917.43	-592.36	740.55	740.55	10.00	10.00	0.00	
10,050.00	41.45	96.00	9,956.30	-595.65	771.80	771.80	10.00	10.00	0.00	
10,100.00	46.45	96.00	9,992.29	-599.27	806.30	806.30	10.00	10.00	0.00	
10,150.00	51.45	96.00	10,025.11	-603.21	843.79	843.79	10.00	10.00	0.00	
10,200.00	56.45	96.00	10,054.53	-607.44	883.98	883.98	10.00	10.00	0.00	
10,250.00	61.45	96.00	10,080.31	-611.91	926.56	926.56	10.00	10.00	0.00	
10,300.00	66.45	96.00	10,102.27	-616.61	971.22	971.22	10.00	10.00	0.00	
10,350.00	71.45	96.00	10,120.22	-621.48	1,017.62	1,017.62	10.00	10.00	0.00	
10,400.00	76.45	96.00	10,134.04	-626.51	1,065.39	1,065.39	10.00	10.00	0.00	
10,450.00	81.45	96.00	10,143.63	-631.63	1,114.18	1,114.18	10.00	10.00	0.00	
10,500.00	86.45	96.00	10,148.90	-636.83	1,163.61	1,163.61	10.00	10.00	0.00	
10,535.53	90.00	96.00	10,150.00	-640.54	1,198.92	1,198.92	10.00	10.00	0.00	
Start DLS 2.00 TFO -90.00										
10,600.00	90.00	94.71	10,150.00	-646.56	1,263.11	1,263.11	2.00	0.00	-2.00	
10,700.00	90.00	92.71	10,150.00	-653.03	1,362.89	1,362.89	2.00	0.00	-2.00	
10,800.00	90.00	90.71	10,150.00	-656.01	1,462.85	1,462.85	2.00	0.00	-2.00	
10,843.85	90.00	89.83	10,150.00	-656.22	1,506.69	1,506.69	2.00	0.00	-2.00	
Start 10178.58 hold at 10843.85 MD										
10,900.00	90.00	89.83	10,150.00	-656.06	1,562.84	1,562.84	0.00	0.00	0.00	
11,000.00	90.00	89.83	10,150.00	-655.77	1,662.84	1,662.84	0.00	0.00	0.00	
11,100.00	90.00	89.83	10,150.00	-655.48	1,762.84	1,762.84	0.00	0.00	0.00	
11,200.00	90.00	89.83	10,150.00	-655.19	1,862.84	1,862.84	0.00	0.00	0.00	
11,300.00	90.00	89.83	10,150.00	-654.90	1,962.84	1,962.84	0.00	0.00	0.00	
11,400.00	90.00	89.83	10,150.00	-654.61	2,062.84	2,062.84	0.00	0.00	0.00	
11,500.00	90.00	89.83	10,150.00	-654.32	2,162.84	2,162.84	0.00	0.00	0.00	
11,600.00	90.00	89.83	10,150.00	-654.03	2,262.84	2,262.84	0.00	0.00	0.00	
11,700.00	90.00	89.83	10,150.00	-653.73	2,362.84	2,362.84	0.00	0.00	0.00	
11,800.00	90.00	89.83	10,150.00	-653.44	2,462.84	2,462.84	0.00	0.00	0.00	
11,900.00	90.00	89.83	10,150.00	-653.15	2,562.84	2,562.84	0.00	0.00	0.00	
12,000.00	90.00	89.83	10,150.00	-652.86	2,662.84	2,662.84	0.00	0.00	0.00	
12,100.00	90.00	89.83	10,150.00	-652.57	2,762.84	2,762.84	0.00	0.00	0.00	
12,200.00	90.00	89.83	10,150.00	-652.28	2,862.84	2,862.84	0.00	0.00	0.00	
12,300.00	90.00	89.83	10,150.00	-651.99	2,962.84	2,962.84	0.00	0.00	0.00	
12,400.00	90.00	89.83	10,150.00	-651.70	3,062.84	3,062.84	0.00	0.00	0.00	
12,500.00	90.00	89.83	10,150.00	-651.41	3,162.84	3,162.84	0.00	0.00	0.00	
12,600.00	90.00	89.83	10,150.00	-651.12	3,262.84	3,262.84	0.00	0.00	0.00	
12,700.00	90.00	89.83	10,150.00	-650.83	3,362.84	3,362.84	0.00	0.00	0.00	
12,800.00	90.00	89.83	10,150.00	-650.54	3,462.84	3,462.84	0.00	0.00	0.00	
12,900.00	90.00	89.83	10,150.00	-650.25	3,562.84	3,562.84	0.00	0.00	0.00	
13,000.00	90.00	89.83	10,150.00	-649.96	3,662.84	3,662.84	0.00	0.00	0.00	
13,100.00	90.00	89.83	10,150.00	-649.67	3,762.83	3,762.83	0.00	0.00	0.00	
13,200.00	90.00	89.83	10,150.00	-649.38	3,862.83	3,862.83	0.00	0.00	0.00	
13,300.00	90.00	89.83	10,150.00	-649.09	3,962.83	3,962.83	0.00	0.00	0.00	
13,400.00	90.00	89.83	10,150.00	-648.80	4,062.83	4,062.83	0.00	0.00	0.00	
13,500.00	90.00	89.83	10,150.00	-648.50	4,162.83	4,162.83	0.00	0.00	0.00	
13,600.00	90.00	89.83	10,150.00	-648.21	4,262.83	4,262.83	0.00	0.00	0.00	
13,700.00	90.00	89.83	10,150.00	-647.92	4,362.83	4,362.83	0.00	0.00	0.00	
13,800.00	90.00	89.83	10,150.00	-647.63	4,462.83	4,462.83	0.00	0.00	0.00	
13,900.00	90.00	89.83	10,150.00	-647.34	4,562.83	4,562.83	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,000.00	90.00	89.83	10,150.00	-647.05	4,662.83	4,662.83	0.00	0.00	0.00
14,100.00	90.00	89.83	10,150.00	-646.76	4,762.83	4,762.83	0.00	0.00	0.00
14,200.00	90.00	89.83	10,150.00	-646.47	4,862.83	4,862.83	0.00	0.00	0.00
14,300.00	90.00	89.83	10,150.00	-646.18	4,962.83	4,962.83	0.00	0.00	0.00
14,400.00	90.00	89.83	10,150.00	-645.89	5,062.83	5,062.83	0.00	0.00	0.00
14,500.00	90.00	89.83	10,150.00	-645.60	5,162.83	5,162.83	0.00	0.00	0.00
14,600.00	90.00	89.83	10,150.00	-645.31	5,262.83	5,262.83	0.00	0.00	0.00
14,700.00	90.00	89.83	10,150.00	-645.02	5,362.83	5,362.83	0.00	0.00	0.00
14,800.00	90.00	89.83	10,150.00	-644.73	5,462.83	5,462.83	0.00	0.00	0.00
14,900.00	90.00	89.83	10,150.00	-644.44	5,562.83	5,562.83	0.00	0.00	0.00
15,000.00	90.00	89.83	10,150.00	-644.15	5,662.83	5,662.83	0.00	0.00	0.00
15,100.00	90.00	89.83	10,150.00	-643.86	5,762.83	5,762.83	0.00	0.00	0.00
15,200.00	90.00	89.83	10,150.00	-643.57	5,862.83	5,862.83	0.00	0.00	0.00
15,300.00	90.00	89.83	10,150.00	-643.28	5,962.83	5,962.83	0.00	0.00	0.00
15,400.00	90.00	89.83	10,150.00	-642.98	6,062.83	6,062.83	0.00	0.00	0.00
15,500.00	90.00	89.83	10,150.00	-642.69	6,162.82	6,162.82	0.00	0.00	0.00
15,600.00	90.00	89.83	10,150.00	-642.40	6,262.82	6,262.82	0.00	0.00	0.00
15,700.00	90.00	89.83	10,150.00	-642.11	6,362.82	6,362.82	0.00	0.00	0.00
15,800.00	90.00	89.83	10,150.00	-641.82	6,462.82	6,462.82	0.00	0.00	0.00
15,900.00	90.00	89.83	10,150.00	-641.53	6,562.82	6,562.82	0.00	0.00	0.00
16,000.00	90.00	89.83	10,150.00	-641.24	6,662.82	6,662.82	0.00	0.00	0.00
16,100.00	90.00	89.83	10,150.00	-640.95	6,762.82	6,762.82	0.00	0.00	0.00
16,200.00	90.00	89.83	10,150.00	-640.66	6,862.82	6,862.82	0.00	0.00	0.00
16,300.00	90.00	89.83	10,150.00	-640.37	6,962.82	6,962.82	0.00	0.00	0.00
16,400.00	90.00	89.83	10,150.00	-640.08	7,062.82	7,062.82	0.00	0.00	0.00
16,500.00	90.00	89.83	10,150.00	-639.79	7,162.82	7,162.82	0.00	0.00	0.00
16,600.00	90.00	89.83	10,150.00	-639.50	7,262.82	7,262.82	0.00	0.00	0.00
16,700.00	90.00	89.83	10,150.00	-639.21	7,362.82	7,362.82	0.00	0.00	0.00
16,800.00	90.00	89.83	10,150.00	-638.92	7,462.82	7,462.82	0.00	0.00	0.00
16,900.00	90.00	89.83	10,150.00	-638.63	7,562.82	7,562.82	0.00	0.00	0.00
17,000.00	90.00	89.83	10,150.00	-638.34	7,662.82	7,662.82	0.00	0.00	0.00
17,100.00	90.00	89.83	10,150.00	-638.05	7,762.82	7,762.82	0.00	0.00	0.00
17,200.00	90.00	89.83	10,150.00	-637.76	7,862.82	7,862.82	0.00	0.00	0.00
17,300.00	90.00	89.83	10,150.00	-637.46	7,962.82	7,962.82	0.00	0.00	0.00
17,400.00	90.00	89.83	10,150.00	-637.17	8,062.82	8,062.82	0.00	0.00	0.00
17,500.00	90.00	89.83	10,150.00	-636.88	8,162.82	8,162.82	0.00	0.00	0.00
17,600.00	90.00	89.83	10,150.00	-636.59	8,262.82	8,262.82	0.00	0.00	0.00
17,700.00	90.00	89.83	10,150.00	-636.30	8,362.82	8,362.82	0.00	0.00	0.00
17,800.00	90.00	89.83	10,150.00	-636.01	8,462.82	8,462.82	0.00	0.00	0.00
17,900.00	90.00	89.83	10,150.00	-635.72	8,562.81	8,562.81	0.00	0.00	0.00
18,000.00	90.00	89.83	10,150.00	-635.43	8,662.81	8,662.81	0.00	0.00	0.00
18,100.00	90.00	89.83	10,150.00	-635.14	8,762.81	8,762.81	0.00	0.00	0.00
18,200.00	90.00	89.83	10,150.00	-634.85	8,862.81	8,862.81	0.00	0.00	0.00
18,300.00	90.00	89.83	10,150.00	-634.56	8,962.81	8,962.81	0.00	0.00	0.00
18,400.00	90.00	89.83	10,150.00	-634.27	9,062.81	9,062.81	0.00	0.00	0.00
18,500.00	90.00	89.83	10,150.00	-633.98	9,162.81	9,162.81	0.00	0.00	0.00
18,600.00	90.00	89.83	10,150.00	-633.69	9,262.81	9,262.81	0.00	0.00	0.00
18,700.00	90.00	89.83	10,150.00	-633.40	9,362.81	9,362.81	0.00	0.00	0.00
18,800.00	90.00	89.83	10,150.00	-633.11	9,462.81	9,462.81	0.00	0.00	0.00
18,900.00	90.00	89.83	10,150.00	-632.82	9,562.81	9,562.81	0.00	0.00	0.00
19,000.00	90.00	89.83	10,150.00	-632.53	9,662.81	9,662.81	0.00	0.00	0.00
19,100.00	90.00	89.83	10,150.00	-632.24	9,762.81	9,762.81	0.00	0.00	0.00
19,200.00	90.00	89.83	10,150.00	-631.94	9,862.81	9,862.81	0.00	0.00	0.00
19,300.00	90.00	89.83	10,150.00	-631.65	9,962.81	9,962.81	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,400.00	90.00	89.83	10,150.00	-631.36	10,062.81	10,062.81	0.00	0.00	0.00	
19,500.00	90.00	89.83	10,150.00	-631.07	10,162.81	10,162.81	0.00	0.00	0.00	
19,600.00	90.00	89.83	10,150.00	-630.78	10,262.81	10,262.81	0.00	0.00	0.00	
19,700.00	90.00	89.83	10,150.00	-630.49	10,362.81	10,362.81	0.00	0.00	0.00	
19,800.00	90.00	89.83	10,150.00	-630.20	10,462.81	10,462.81	0.00	0.00	0.00	
19,900.00	90.00	89.83	10,150.00	-629.91	10,562.81	10,562.81	0.00	0.00	0.00	
20,000.00	90.00	89.83	10,150.00	-629.62	10,662.81	10,662.81	0.00	0.00	0.00	
20,100.00	90.00	89.83	10,150.00	-629.33	10,762.81	10,762.81	0.00	0.00	0.00	
20,200.00	90.00	89.83	10,150.00	-629.04	10,862.81	10,862.81	0.00	0.00	0.00	
20,300.00	90.00	89.83	10,150.00	-628.75	10,962.80	10,962.80	0.00	0.00	0.00	
20,400.00	90.00	89.83	10,150.00	-628.46	11,062.80	11,062.80	0.00	0.00	0.00	
20,500.00	90.00	89.83	10,150.00	-628.17	11,162.80	11,162.80	0.00	0.00	0.00	
20,600.00	90.00	89.83	10,150.00	-627.88	11,262.80	11,262.80	0.00	0.00	0.00	
20,700.00	90.00	89.83	10,150.00	-627.59	11,362.80	11,362.80	0.00	0.00	0.00	
20,800.00	90.00	89.83	10,150.00	-627.30	11,462.80	11,462.80	0.00	0.00	0.00	
20,900.00	90.00	89.83	10,150.00	-627.01	11,562.80	11,562.80	0.00	0.00	0.00	
21,000.00	90.00	89.83	10,150.00	-626.72	11,662.80	11,662.80	0.00	0.00	0.00	
21,022.43	90.00	89.83	10,150.00	-626.65	11,685.23	11,685.23	0.00	0.00	0.00	
TD at 21022.43										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
BOND 33-34 306H SHLI - hit/miss target - Shape - Point	0.00	0.00	0.00	0.00	0.00	618,640.92	710,456.72	32.69948125		-103.78355529
BOND 33-34 306H PP5(- plan misses target center by 0.38usft at 19709.25usft MD (10150.00 TVD, -630.47 N, 10372.06 E) - Point	0.00	0.00	10,150.00	-630.85	10,372.06	618,010.07	720,828.78	32.69759500		-103.74985022
BOND 33-34 306H LTP(- plan misses target center by 0.03usft at 20932.43usft MD (10150.00 TVD, -626.91 N, 11595.23 E) - Point	0.00	0.00	10,150.00	-626.94	11,595.23	618,013.98	722,051.95	32.69758719		-103.74587409
BOND 33-34 306H PP4(- plan misses target center by 0.77usft at 18386.09usft MD (10150.00 TVD, -634.31 N, 9048.90 E) - Point	0.00	0.00	10,150.00	-635.08	9,048.90	618,005.84	719,505.62	32.69760331		-103.75415138
BOND 33-34 306H FTP(- plan misses target center by 14.75usft at 10570.25usft MD (10150.00 TVD, -643.96 N, 1233.48 E) - Point	0.00	0.00	10,150.00	-658.65	1,232.10	617,982.27	711,688.82	32.69765328		-103.77956128
BOND 33-34 306H BHLI - plan hits target center - Point	0.00	0.00	10,150.00	-626.65	11,685.23	618,014.27	722,141.95	32.69758662		-103.74558153
BOND 33-34 306H PP3(- plan misses target center by 1.54usft at 15749.49usft MD (10150.00 TVD, -641.97 N, 6412.32 E) - Point	0.00	0.00	10,150.00	-643.51	6,412.32	617,997.41	716,869.04	32.69761942		-103.76272205
BOND 33-34 306H PP2(- plan misses target center by 1.58usft at 13099.66usft MD (10150.00 TVD, -649.67 N, 3762.50 E) - Point	0.00	0.00	10,150.00	-651.25	3,762.50	617,989.67	714,219.22	32.69763704		-103.77133575



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3,681.28' GL @ 3711.28usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
21,021.66	10,150.00	20" Casing	20	24

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.00	1,500.00	0.00	0.00	Start Build 2.00
1,899.46	1,898.17	-18.86	20.43	Start 5759.57 hold at 1899.46 MD
7,659.03	7,601.83	-561.79	608.67	Start Drop -2.00
8,058.49	8,000.00	-580.65	629.10	Start 1577.04 hold at 8058.49 MD
9,635.53	9,577.04	-580.65	629.10	Start Build 10.00
10,535.53	10,150.00	-640.54	1,198.92	Start DLS 2.00 TFO -90.00
10,843.85	10,150.00	-656.22	1,506.69	Start 10178.58 hold at 10843.85 MD
21,022.43	10,150.00	-626.65	11,685.23	TD at 21022.43



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

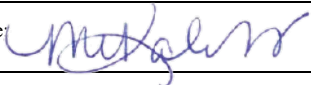
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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
3BSS TIER 1	Month 1	12489	18672	101947	54250
3BSS TIER 1	Month 2	35477	58969	321970	96582
3BSS TIER 1	Month 3	29843	52446	286357	73714
3BSS TIER 1	Month 4	25696	46558	254207	63160
3BSS TIER 1	Month 5	21361	39555	215969	52327
3BSS TIER 1	Month 6	19384	36481	199184	47367
3BSS TIER 1	Month 7	17270	32922	179752	42123
3BSS TIER 1	Month 8	15109	29093	158848	36798
3BSS TIER 1	Month 9	14259	27683	151147	34687
3BSS TIER 1	Month 10	12706	24837	135609	30879
3BSS TIER 1	Month 11	12174	23934	130682	29561
3BSS TIER 1	Month 12	11341	22409	122351	27518
3BSS TIER 1	Month 13	9620	19088	104222	23330
3BSS TIER 1	Month 14	10045	20004	109220	24347
3BSS TIER 1	Month 15	9183	18349	100184	22248
3BSS TIER 1	Month 16	8995	18025	98419	21783
3BSS TIER 1	Month 17	8275	16628	90787	20033
3BSS TIER 1	Month 18	8152	16418	89641	19727
3BSS TIER 1	Month 19	7783	15711	85780	18830
3BSS TIER 1	Month 20	7213	14588	79650	17446
3BSS TIER 1	Month 21	7152	14490	79116	17293
3BSS TIER 1	Month 22	6653	13501	73716	16083
3BSS TIER 1	Month 23	6619	13453	73453	15998
3BSS TIER 1	Month 24	6379	12983	70889	15415
3BSS TIER 1	Month 25	5570	11351	61976	13458
3BSS TIER 1	Month 26	5969	12178	66493	14420
3BSS TIER 1	Month 27	5592	11421	62358	13506
3BSS TIER 1	Month 28	5599	11449	62511	13523
3BSS TIER 1	Month 29	5257	10759	58743	12694
3BSS TIER 1	Month 30	5275	10806	58998	12736
3BSS TIER 1	Month 31	5125	10507	57367	12371
3BSS TIER 1	Month 32	4824	9899	54050	11645
3BSS TIER 1	Month 33	4854	9967	54418	11715
3BSS TIER 1	Month 34	4576	9404	51348	11045
3BSS TIER 1	Month 35	4611	9482	51771	11127
3BSS TIER 1	Month 36	4497	9254	50527	10852
3BSS TIER 1	Month 37	4109	8461	46194	9914
3BSS TIER 1	Month 38	4293	8844	48288	10357

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.

Drilling Practices for Well Control

1. **BOP Drills:** Conduct planned and unplanned BOP drills with each tour during drilling and tripping operations at least 1 time per week.
2. **BOP Tests:** Function test BOP's once out of hole during trips, but no more than once per 24-hour period. Function test remote BOP controls to verify functioning properly. Check regulatory reqs.
3. **Trips:** During trips verify wellbore is taking proper fill or displacing calculated volumes. In the event a string must be pulled wet confirm fill calculations with engineer prior to TOH. Once BHA has cleared the floor close blind rams. Prior to opening blind rams confirm there is no pressure, if pressure is observed, note any pressure and discuss with office prior to bleeding off. Bleed pressure off through choke prior to opening blind rams. During trips it is vital that fluids are not transferred in and out of the active system to minimize confusion. Always utilize the trip tank and PVT for the trip tank, so that it can be monitored on the EDR. Also, during trips, it is vital to stop and check for flow multiple times throughout the trip.
4. **Trip Sheets:** Verify crews understand the importance of a trip sheet. Trip sheets must be utilized on every trip to monitor for proper fill and displacement every 5-10 stands. If incorrect fill or displacement is observed, stop trip and discuss with engineer.
5. **Slow Pump Rates:** Slow pump rates must be recorded every 24 hours or 500' of new hole drilled during drilling operations. It is also good practice to record SPR with any mud weight change greater than 0.5 ppg and every tour if applicable. Note SPR on daily drilling reports as they are taken.
6. **Pressure Control Equipment:** Once BOPE has been nipped up and tested, prior to drilling ahead, pump through equipment (Kill Line, HCR/Choke(s), gas buster) to verify working properly. Also pump through and verify that all equipment is functioning properly after every casing string that is run and cemented. Under no circumstance shall drilling ahead in the production interval be permitted prior to verifying pressure control equipment is functioning properly. Document and always know BOP configuration, size and rating. Always keep HCR closed and chokes closed during drilling or tripping operations. HCR only to be opened while monitoring pressure. Always confirm that Full Opening Safety Valves are the correct thread, functioned each tour and in the open position.
7. **Well Control:** Always assume influxes are hydrocarbon and real. In the event a shut-in is required, plan to follow the "Hard Shut-In" procedure. **If Shut-In Casing Pressure increases higher than 3,500 psi, we will move to the pipe rams that are more adequately rated for those pressures.** Keep kill sheets filled out properly and daily. ALWAYS make sure that PVT alarms are working properly and set to sound at 5 bbls. In "hard shut-in" situation, always PU to space out tool joints properly in BOP. Refer to Appendix A for "Hard Shut-in" procedure.
8. **Accumulator:** Verify pressures on accumulator once every 24 hours. Document and confirm pressures are consistent, report any discrepancies. Verify that the accumulator recharge pumps are working properly and discuss bleeding off system on a weekly basis to confirm pumps are operating properly.
9. **Wellhead:** If wellhead has lock down pins, verify all gland packing nuts are tight.
10. **BOP Tests, inspections and recordkeeping:** Maintain BOP test pressure records and charts on the rig. The failure to conduct test or to record test results could cause the BOP to function improperly in the event of a kick, resulting in a blowout. Test Record Checklist below.
 - Wellhead Pressure Rating.
 - Date of last test.
 - Low pressure and the high pressure for the annular, pipe rams, blind rams, kill line, choke line, standpipe system and safety valves.
 - Annular preventer should be tested to 70% of rated capacity. The rest of the BOP system should be tested at the rated capacity of the weakest component.
 - BOP equipment should be inspected daily, and a preventer actuation test should be performed on each round trip, but not more than once per 24-hour period.
 - The BOP should be shopped every five years for an OEM inspection.

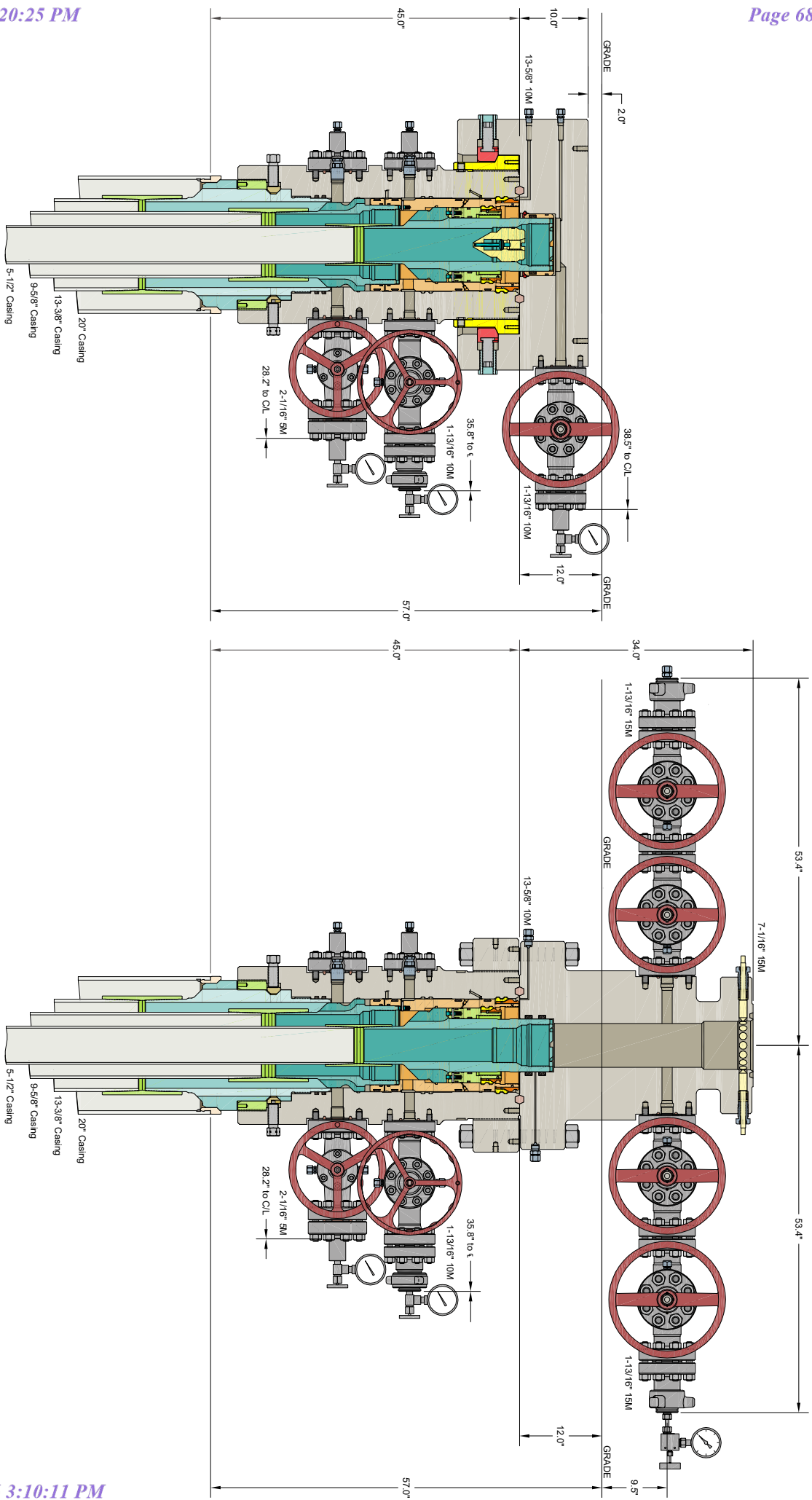
Rig Management Protocol

- The day Supervisor (Company Man/Foreman) is the lead supervisor on location and is ultimately responsible for the operation.
- If a night foreman is on location it is his duty to wake the lead foremen when problems or irregular situations arise.

Appendix A

HARD SHUT-IN PROCEDURE - WHILE TRIPPING

- A. After kick is indicated, position the upper tool joint above the rotary table/rig floor.
- B. Install Full Opening Safety Valve in drill string (torque to proper specs) and place in closed position.
- C. Perform hard shut-in by closing annular preventer and opening HCR.
- D. Notify Supervisor if not present.
- E. Make up top drive or kelly to the closed FOSV.
- F. Open FOSV and record the SIDPP, SICP, pit gain, Depth/TVD and time.
- G. Prepare to implement kill procedures.



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

FROM HBE1335

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

PBEX OPERATIONS LLC
NEW MEXICO

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

DRAWN	DLE	12FEB25
APPRV		
DRAWING NO.	SDT-5235	

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 30-025-55832	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code 338342	Property Name BOND 33-34 FED COM	Well Number #306H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,682.74'
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		1,308' FSL	1,175' FEL	32.700351°	-103.783708°	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
P	32	18S	32E		1,308' FSL	1,175' FEL	32.700351°	-103.783708°	LEA

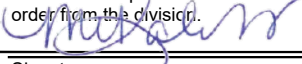
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,682.74
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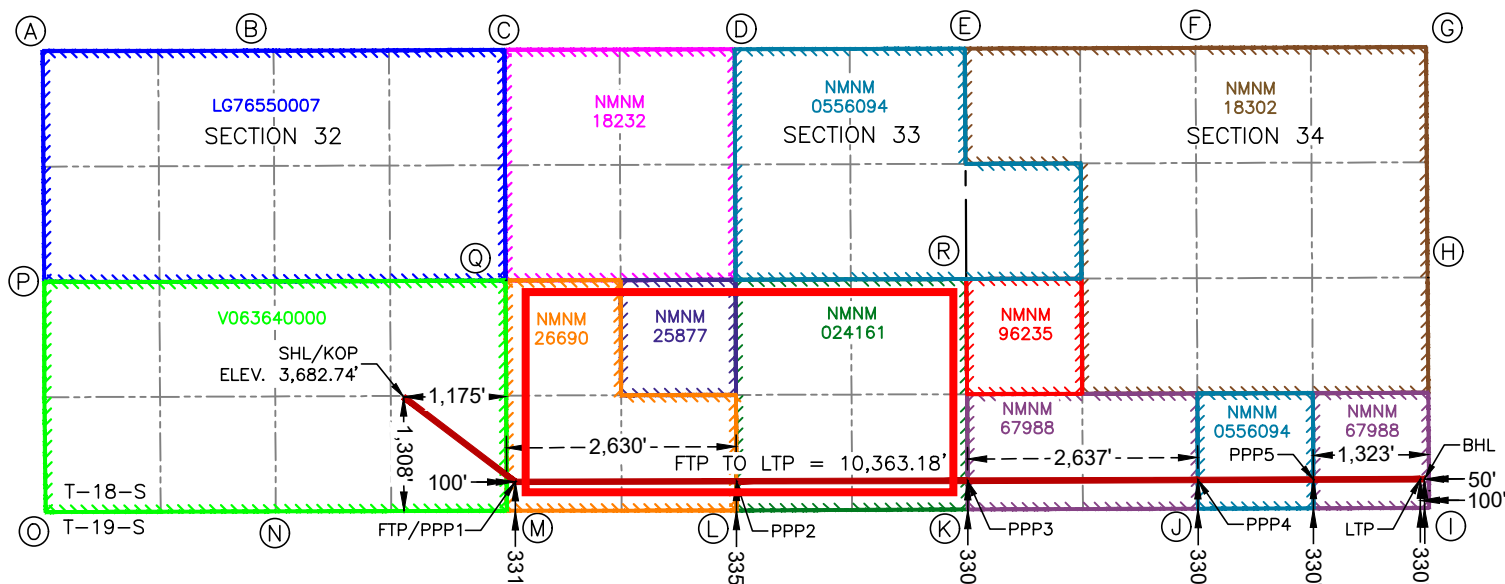
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  11/30/25		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date: 11/28/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/28/2025
Email Address		Revision Number 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 #306H**

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,308' FSL & 1,175' FEL
ELEV. = 3,682.74'

NAD 83 X = 710,408.11'
NAD 83 Y = 618,957.00'
NAD 83 LAT = 32.700351°
NAD 83 LONG = -103.783708°

**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°
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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'
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NAD 83 LONG = -103.749850°

LAST TAKE POINT
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NAD 83 X = 722,051.95'
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NAD 83 LAT = 32.697588°
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330' FSL & 50' FEL

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

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

WELL LOCATION INFORMATION

API Number 30-025-55832	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code 338342	Property Name BOND 33-34 FED COM	Well Number #306H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,682.74'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

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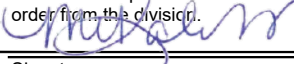
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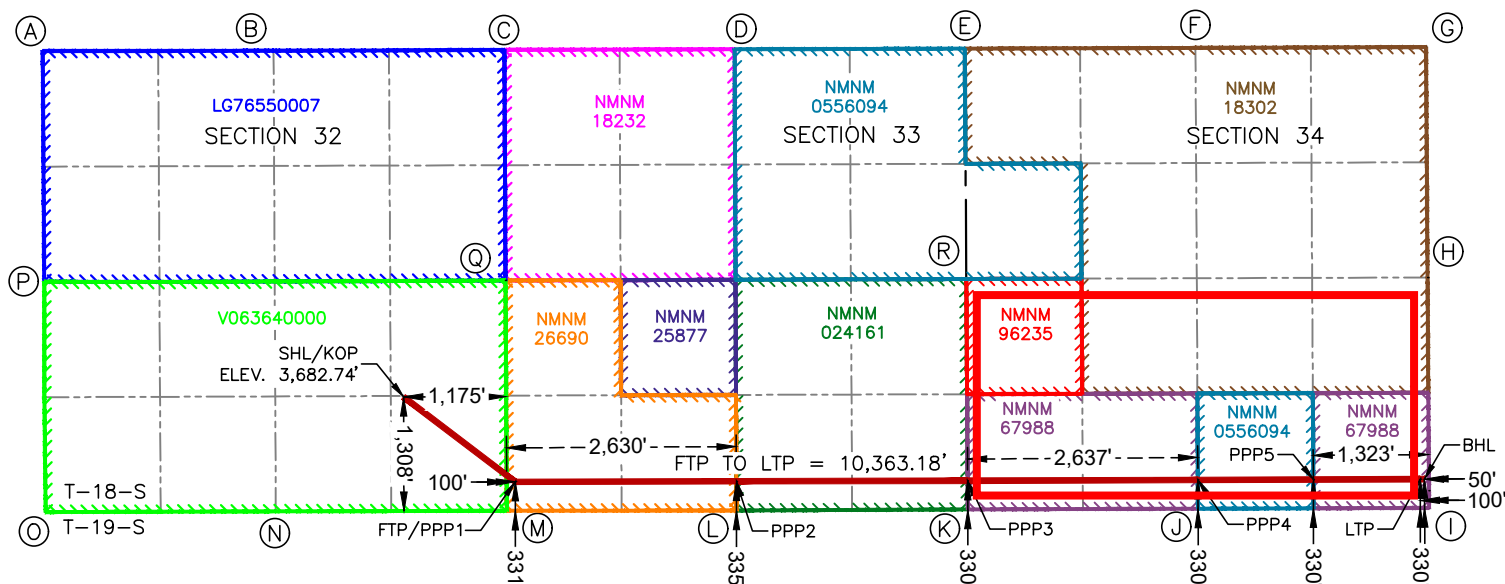
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  11/30/25		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date: 11/28/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/28/2025
Email Address		Revision Number 1	

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R	N:620,307.39' E:716,853.63'

Well Name: BOND 33-34 FED COM	Well Location: T18S / R32E / SEC 32 / SESE / 32.699481 / -103.783555	County or Parish/State: LEA / NM
Well Number: 306H	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: 2887076

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 12/15/2025	Time Sundry Submitted: 04:07
Date proposed operation will begin: 12/15/2025	

Procedure Description: AFMSS APD Number: 10400103912 PBEX Operations, LLC requests the following: Well name change: Original: Bond 33-34 Fed Com 306H New: Bond 33-34 Fed Com 306H Casing/Cement/Mud change shown on attachment. SHL, BHL, lateral move shown on attachment.

NOI Attachments

Procedure Description

- PPP_Change_Bond_306H__306H_20251222104958.pdf
- Bond_32_34_Fed_Com_306H_20251222104954.pdf
- 24_041778_BOND_33_34_FED_COM__306H_C102_20251222104948.pdf
- 5.5_20.00__0.361__P110_RY_92.5_RBW_USS_FREEDOM_HTQ_Data_Sheet_03_14_24_20251215160537.pdf
- Plan_1_WM__01__Bond_33_34_FED_COM__306H_20251215160527.pdf
- Plan_1_AC__01__Bond_33_34_FED_COM__306H_20251215160519.pdf
- Plan_1__01__Bond_33_34_FED_COM__306H_20251215160453.pdf

Received by OCD: 1/20/2026 3:20:25 PM

Page 74 of 147

Well Name: BOND 33-34 FED COM	Well Location: T18S / R32E / SEC 32 / SESE / 32.699481 / -103.783555	County or Parish/State: LEA / NM
Well Number: 306H	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	

Conditions of Approval

Additional

Bond_33_34_Fed_Com_306H_Dr_COA_20260107152829.pdf

32_18_32_P_Sundry_ID_2887076_Bond_32_34_Fed_Com_306H_Lea_NM26690_PBEX_Operations_LLC_13_22h_11_14_2024_LV_20260107152829.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 10:49 AM

Name: PBEX OPERATIONS LLC

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLANDState: TX

Phone: (432) 661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 01/08/2026

Signature: Chris Walls

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well		
☐ Oil Well	☐ Gas Well	☐ Other
2. Name of Operator		
3a. Address	3b. Phone No. (include area code)	
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		

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

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

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

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Location of Well

0. SHL: SESE / 992 FSL / 1128 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.699481 / LONG: -103.783555 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 335 FSL / 2630 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.6976413 / LONG: -103.7713357 (TVD: 10150 feet, MD: 13100 feet)

PPP: SWSW / 330 FSL / 100 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.697653 / LONG: -103.779561 (TVD: 10150 feet, MD: 10570 feet)

PPP: NWSW / 330 FSL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.6976236 / LONG: -103.762722 (TVD: 10150 feet, MD: 15750 feet)

PPP: SESE / 330 FSL / 1323 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.697596 / LONG: -103.7498502 (TVD: 10150 feet, MD: 19709 feet)

PPP: SWSE / 330 FSL / 2637 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.6976054 / LONG: -103.7541514 (TVD: 10150 feet, MD: 18386 feet)

BHL: SESE / 330 FSL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.697587 / LONG: -103.745582 (TVD: 10150 feet, MD: 21022 feet)

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 33-34 Fed Com 306H
ATS/API ID:	ATS-25-1223
APD ID:	10400103912
Sundry ID:	2887076

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1213 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

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

Option 1:

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

Option 2:

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

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

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

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

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

GENERAL REQUIREMENTS

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

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

☒ Lea County

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

Long Vo (LVO) 1/7/2026

32-18-32-P Sundry ID 2887076 Bond 32-34 Fed Com 306H Lea NM26690 PBEX Operations LLC 13-22h 11-14-2024 LV.xlsm

Bond 32-34 Fed Com 306H

13 3/8		surface csg in a		17 1/2		inch hole.		Design Factors				Surface		
Segment	#/ft	Grade		Coupling		Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	54.50			j 55	btc	12.91	2.16	0.55	1,213	5	0.94	4.41	66,109	
"B"					btc				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,382							Tail Cmt	does not	circ to sfc.	Totals:	1,213	66,109		
Comparison of Proposed to Minimum Required Cement Volumes														
Hole	Annular	1 Stage		1 Stage	Min	1 Stage	Drilling	Calc	Req'd		Min Dist			
Size	Volume	Cmt Sx		CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE		Hole-Cplg			
17 1/2	0.6946	1273		1820	843	116	8.30	2897	3M		1.56			
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.														
Site plot (pipe racks 3 or 4) as per O.D. 1.38, D.3.1, not found														

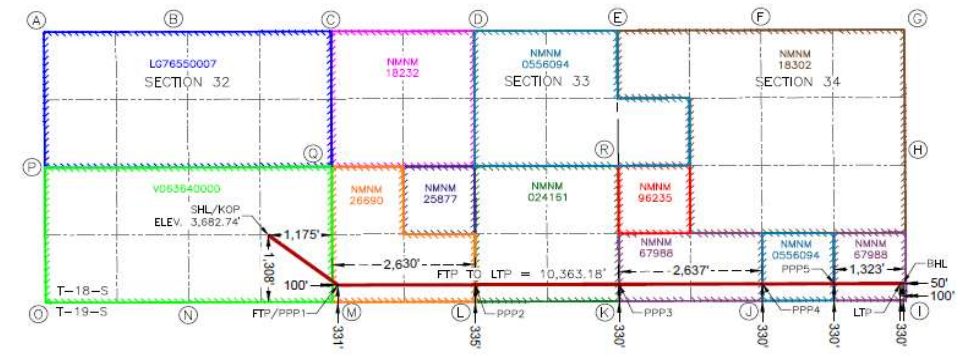
9 5/8		casing inside the		13 3/8		Design Factors				Int 1		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00		hcl 80	btc	2.45	0.85	0.87	9,450	1	1.32	1.46	378,000
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: -55								Totals:	9,450			378,000
The cement volume(s) are intended to achieve a top of								0	ft from surface or a	1213	overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg
12 1/4	0.3132	1562	3985	3020	32	10.20	4369	5M				0.81
D V Tool(s):								sum of sx	Σ CuFt			Σ%excess
t by stage % :								1562	3985			32
Class 'H' tail cmt yld > 1.20												
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.61, b, c, d <0.70 a Problem!!												

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	3.15	1.68	2.02	21,198	2	3.06	2.54	423,960	
"B"							0				0	
"C"							0				0	
"D"							0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,239							Totals:	21,198			423,960	
The cement volume(s) are intended to achieve a top of							9250	ft from surface or a	200		overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg	
8 3/4	0.2526	3205	4500	3020	49	12.50					1.23	
Class 'C' tail cmt yld > 1.35												

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

Original- Grey
New- Blue

New: Bond 33-34 Fed Com 306H



New-SHL	33-18S-32E	1308 FSL & 1175 FEL	V063640000
New- KOP	33-18S-32E	1308 FSL & 1175 FEL	V063640000
New- FTP	33-18S-32E	331 FSL & 100 FWL	LG76550007
New- PPP2	33-18S-32E	335 FSL & 2630 FWL	NMNM018232
New- PPP3	34-18S-32E	330 FSL & 0 FWL	NMNM0556094
New- PPP4	34-18S-32E	330 FSL & 2637 FWL	NMNM018302
New- PPP5	34-18S-32E	330 FNL & 1323 FEL	NMNM018303
New- LTP	34-18S-32E	330 FSL & 100 FEL	NMNM018302
New- BHL	34-18S-32E	330 FSL & 50 FEL	NMNM018302

Notice of Intent to Change Drill Plan

Bond 32-34 Fed Com 306H

Original Design in Grey

New Design in Blue

Target Zone: 3BSS

Casing Design- ORIGINAL														
Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate	12 1/4	9 5/8	API	no	0	9450	0	9350	J-55	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	21022	0	10150	P-110	20	CDC HTQ	1.125	1.125	1.6

Casing Design- NEW														
Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD		Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.55	BTC	1.125	1.125	1.6
Intermediate	12 1/4	9 5/8	API	no	0	9450	0	9350	L80HC	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	21198	0	10175	P110	20	Freedom	1.125	1.125	1.6

Alternate Grades and or higher weights could be subtituted 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	694	6.19	4297	10	60%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	8350	130	1.38	179.4	13.8	15%	C or H	Fluid Loss, Retarder, LCM
Produciton	Lead	5850	525	1.49	782.3	12.5	0%	H	Fluid Loss, Retarder, LCM
	Tail	8850	2564	1.49	3820.2	13.5	20%	H	Fluid Loss, Retarder, LCM

Cement Details- NEW									
Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accleerator, LCM
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	993	3.32	3295.8	10.5	60%	C	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	8350	569	1.21	689.0	13.2	15%	C	Fluid Loss, Retarder, LCM
Produciton	Lead	5850	310	3.03	938.7	10.5	0%	H	Fluid Loss, Retarder, LCM
	Tail	8850	2,895	1.23	3561.0	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	9450	Brine Based Mud	8.8-9.6	35-45	NC
Production	9450	21022	Oil Based Mud	11-12.5	35-65	4 to 6

Mud Program- NEW						
Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.0-10.2	34-45	NC
Intermediate	4535	9450	Oil Based Mud	9.6-9.7	35-65	4 to 6
Production	9450	21198	Oil Based Mud	12.0-12.5	35-65	4 to 6



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

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

UNCONTROLLED

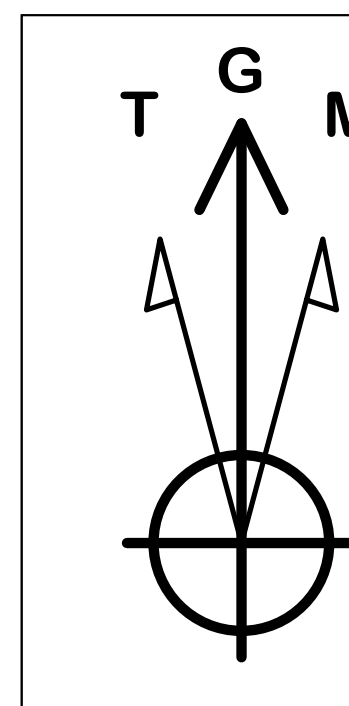
UNCONTROLLED

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

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PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (01) Bond 33-34 FED COM #306H
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 @ 3713.24usft
Elevation: 3682.74
To convert a Magnetic Direction to a Grid Direction, Add 6.051°



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

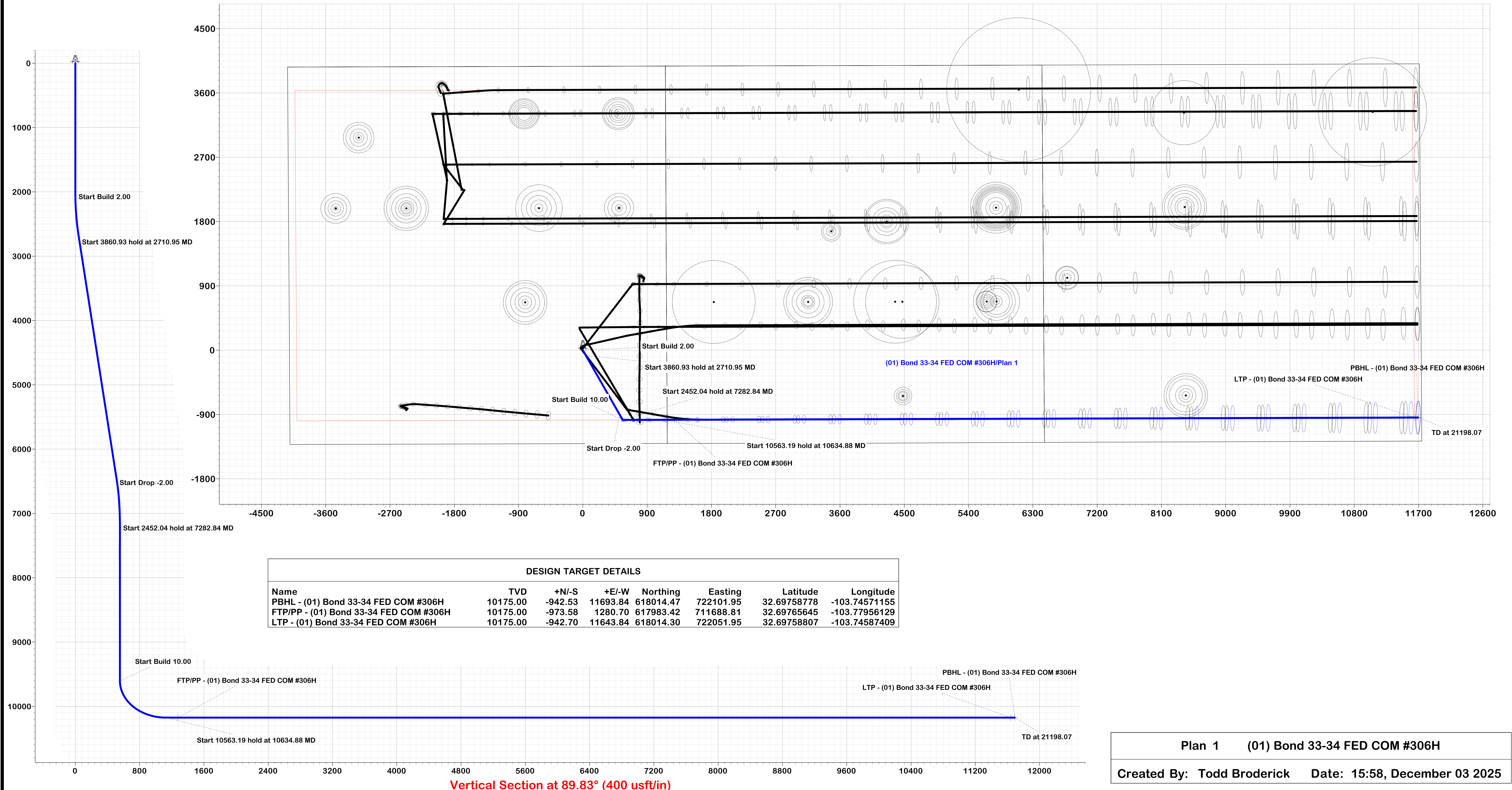
Magnetic Field
Strength: 47225.5nT
Dip Angle: 60.14°
Date: 12/2/2025
Model: IGRF2025



PBEX
Site: Bond South Pad - Phase 2
Well: (01) Bond 33-34 FED COM #306H
Wellbore: #306H
Plan: Plan 1

WELL DETAILS: (01) Bond 33-34 FED COM #306H					
0.00	0.00	Northing	Easting	Latitude	Longitude
		618957.00	710408.11	32.70035071	-103.78370798

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00
3	2710.95	14.22	150.25	2703.68	-76.20	43.55	2.00	150.247	43.33
4	6571.88	14.22	150.25	6446.32	-899.54	514.19	0.00	0.000	511.52
5	7282.84	0.00	89.83	7150.00	-975.74	557.74	2.00	180.000	554.84
6	9734.88	0.00	89.83	9602.04	-975.74	557.74	0.00	0.000	554.84
7	10634.88	90.00	89.83	10175.00	-974.03	1130.70	10.00	0.000	1127.80
8	21198.07	90.00	89.83	10175.00	-942.53	11693.84	0.00	0.000	11690.99





PBEX

Lea County, NM (N83 - NME)

Bond South Pad - Phase 2

(01) Bond 33-34 FED COM #306H

TBD

#306H

Plan 1

Anticollision Report

03 December, 2025

DIXON



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	21,198.07	Plan 1 (#306H)	MWD+IFR1	OWSG MWD + IFR1	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond North Pad - Phase 1						
(01) Bond 32-34 FED COM 205H - 205H - Plan 2						Out of range
(02) Bond 32-34 FED COM 301H - 301H - Plan 2						Out of range
(03) Bond 32-34 FED COM 201H - 201H - Plan 2						Out of range
Bond North Pad - Phase 2						
(01) Bond 32-34 FED COM #303H - #303H - Plan 1						Out of range
(02) Bond 32-34 FED COM #101H - #101H - Plan 1						Out of range
(03) Bond 32-34 FED COM #103H - #103H - Plan 1						Out of range
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)						Out of range
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	9,519.51	11,166.57	239.25	174.21	3.678	CC, ES, SF
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	9,500.00	11,190.00	1,042.06	990.45	20.188	SF
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	9,507.60	11,190.00	1,042.04	990.44	20.194	CC, ES
(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)	15,300.45	10,169.22	1,642.88	1,277.57	4.497	CC, ES
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	15,400.00	10,169.22	1,645.90	1,278.88	4.485	SF
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)	17,946.42	10,178.39	318.64	-83.85	0.792	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)	1,432.13	1,457.98	2,053.65	2,019.89	60.827	CC
(W12) HULKSTER 005 - 39572 - (Inc Only)	2,100.00	2,108.41	2,055.06	2,008.24	43.891	ES
(W12) HULKSTER 005 - 39572 - (Inc Only)	2,200.00	2,205.72	2,058.76	2,009.89	42.123	SF
(W13) KEEL A FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEEL A FEDERAL 003 - 33340 - (Inc Only)						Out of range
(W15) KEEL A FEDERAL 004 - 33499 - (Inc Only)						Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,000.00	2,001.81	1,049.16	998.80	20.830	CC
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,100.00	2,101.79	1,050.80	998.09	19.936	ES
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	6,600.00	6,476.13	2,058.96	1,897.97	12.789	SF
(W17) MAX STATE 001 - 26754 - (Inc Only)						Out of range
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)						Out of range

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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						
(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)	12,662.65	10,174.62	1,644.21	1,339.96	5.404	CC
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	12,700.00	10,174.62	1,644.63	1,339.68	5.393	ES
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	12,800.00	10,174.62	1,649.93	1,343.25	5.380	SF
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)						Out of range
(W23) KEEL A FEDERAL 001 - 33316 - (Depth Only)						Out of range
(W24) NELLIE 001 - 24439 - (Depth Only)						Out of range
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth	3,670.83	3,604.90	1,925.64	1,535.57	4.937	CC
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth	5,600.00	5,474.98	1,983.09	1,390.16	3.345	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	2,000.00	2,004.87	320.20	309.08	28.783	CC, ES
(01) Bond 32-34 FED COM 207H - 207H - Plan 2	21,198.07	20,181.28	1,536.95	1,136.80	3.841	SF
(02) Bond 32-34 FED COM 211H - 211H - Plan 2	6,069.02	6,151.84	126.33	97.72	4.415	CC
(02) Bond 32-34 FED COM 211H - 211H - Plan 2	6,200.00	6,282.41	126.76	97.44	4.324	ES
(02) Bond 32-34 FED COM 211H - 211H - Plan 2	8,900.00	8,998.15	150.00	108.74	3.635	SF
Bond South Pad - Phase 2						
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	1,916.35	1,917.30	20.10	9.24	1.851	Level 3, CC
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	2,000.00	2,000.94	20.10	8.98	1.808	Level 3, ES, SF
(03) Bond 33-34 FED COM #106H - #106H - Plan 1	1,716.27	1,717.45	40.33	30.12	3.949	CC
(03) Bond 33-34 FED COM #106H - #106H - Plan 1	1,900.00	1,900.96	40.60	29.80	3.760	ES
(03) Bond 33-34 FED COM #106H - #106H - Plan 1	2,000.00	2,000.90	41.35	30.25	3.727	SF
(04) Bond 33-34 FED COM #104H - #104H - Plan 1	2,000.00	2,001.80	60.56	49.44	5.446	CC, ES
(04) Bond 33-34 FED COM #104H - #104H - Plan 1	2,100.00	2,101.78	62.18	50.70	5.416	SF

Offset Design: Bond Pad Offsets - (W02) LEAR STATE 001H - 38865 - (Gyro/MWD)													Offset Site Error: 0.00 usft
Survey Program: 100-GYRO-NS, 8838-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	41.276	965.74	847.69	1,285.12				
100.00	100.00	82.49	82.49	0.79	0.52	41.286	965.58	847.88	1,285.01	1,283.71	1.30	986.582	
200.00	200.00	184.43	184.43	1.45	0.94	41.314	965.15	848.32	1,284.97	1,282.58	2.39	538.182	
242.54	242.54	225.30	225.30	1.64	1.09	41.322	965.00	848.42	1,284.93	1,282.20	2.73	471.302	
300.00	300.00	278.47	278.47	1.89	1.28	41.331	964.93	848.64	1,285.02	1,281.85	3.17	404.879	
400.00	400.00	382.89	382.88	2.25	1.66	41.347	964.90	849.08	1,285.29	1,281.39	3.91	328.889	
446.59	446.59	429.35	429.35	2.40	1.82	41.352	964.80	849.16	1,285.27	1,281.05	4.22	304.653	
500.00	500.00	480.35	480.34	2.57	2.00	41.357	964.76	849.28	1,285.32	1,280.75	4.57	281.456	
600.00	600.00	583.49	583.49	2.85	2.37	41.364	964.76	849.48	1,285.45	1,280.23	5.21	246.637	
644.88	644.88	627.64	627.64	2.97	2.52	41.366	964.71	849.49	1,285.41	1,279.93	5.48	234.430	
700.00	700.00	679.88	679.87	3.11	2.70	41.367	964.74	849.54	1,285.48	1,279.67	5.81	221.285	
800.00	800.00	782.93	782.92	3.35	3.07	41.357	965.01	849.50	1,285.65	1,279.24	6.41	200.523	
838.65	838.65	821.42	821.41	3.44	3.20	41.348	965.14	849.32	1,285.63	1,279.00	6.63	193.792	
900.00	900.00	879.98	879.98	3.58	3.40	41.324	965.54	848.97	1,285.70	1,278.72	6.98	184.238	
1,000.00	1,000.00	980.78	980.77	3.79	3.76	41.275	966.45	848.29	1,285.93	1,278.38	7.55	170.402	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
1,100.00	1,100.00	1,079.13	1,079.11	3.99	4.10	41.235	967.18	847.74	1,286.12	1,278.02	8.10	158.858		
1,200.00	1,200.00	1,182.83	1,182.81	4.19	4.46	41.194	967.93	847.18	1,286.31	1,277.66	8.66	148.612		
1,226.35	1,226.35	1,209.13	1,209.11	4.24	4.56	41.185	968.06	847.02	1,286.30	1,277.51	8.80	146.215		
1,300.00	1,300.00	1,276.01	1,275.98	4.38	4.79	41.165	968.49	846.79	1,286.50	1,277.33	9.17	140.286		
1,400.00	1,400.00	1,375.40	1,375.37	4.56	5.14	41.144	969.28	846.86	1,287.14	1,277.44	9.70	132.680		
1,500.00	1,500.00	1,472.66	1,472.62	4.74	5.48	41.128	969.97	846.99	1,287.77	1,277.55	10.22	126.024		
1,600.00	1,600.00	1,573.78	1,573.74	4.91	5.83	41.111	970.84	847.23	1,288.57	1,277.83	10.74	119.928		
1,700.00	1,700.00	1,674.66	1,674.63	5.08	6.19	41.099	971.51	847.46	1,289.21	1,277.95	11.27	114.442		
1,800.00	1,800.00	1,772.44	1,772.40	5.24	6.53	41.078	972.33	847.55	1,289.91	1,278.14	11.77	109.584		
1,900.00	1,900.00	1,876.33	1,876.28	5.40	6.89	41.068	973.04	847.88	1,290.64	1,278.34	12.29	104.977		
2,000.00	2,000.00	1,974.54	1,974.50	5.56	7.24	41.058	973.56	848.02	1,291.14	1,278.34	12.79	100.912		
2,100.00	2,099.98	2,074.27	2,074.22	5.78	7.59	-109.252	974.27	848.25	1,292.40	1,279.12	13.28	97.283		
2,200.00	2,199.84	2,169.98	2,169.92	5.99	7.92	-109.425	975.00	848.53	1,294.90	1,281.16	13.74	94.247		
2,300.00	2,299.45	2,267.05	2,266.99	6.21	8.26	-109.723	976.14	848.87	1,298.95	1,284.75	14.20	91.461		
2,400.00	2,398.70	2,361.71	2,361.64	6.46	8.59	-110.121	977.43	849.24	1,304.44	1,289.78	14.66	88.965		
2,500.00	2,497.47	2,455.84	2,455.76	6.73	8.92	-110.624	979.15	849.71	1,311.69	1,296.56	15.13	86.698		
2,600.00	2,595.62	2,549.00	2,548.90	7.02	9.25	-111.196	980.83	850.61	1,320.65	1,305.05	15.60	84.631		
2,700.00	2,693.06	2,646.66	2,646.52	7.33	9.59	-111.908	983.01	851.56	1,331.50	1,315.39	16.11	82.635		
2,800.00	2,790.00	2,748.71	2,748.55	7.62	9.95	-112.903	984.87	852.38	1,343.07	1,326.41	16.67	80.589		
2,900.00	2,886.93	2,846.10	2,845.92	7.91	10.29	-113.867	986.61	852.91	1,354.89	1,337.69	17.19	78.807		
3,000.00	2,983.87	2,945.28	2,945.09	8.21	10.64	-114.817	988.11	853.72	1,367.02	1,349.28	17.74	77.059		
3,100.00	3,080.81	3,042.91	3,042.71	8.54	10.98	-115.744	989.50	854.21	1,379.27	1,360.97	18.30	75.389		
3,200.00	3,177.74	3,137.74	3,137.52	8.88	11.31	-116.642	991.15	854.51	1,392.04	1,373.19	18.85	73.834		
3,300.00	3,274.68	3,237.01	3,236.78	9.23	11.66	-117.562	992.78	854.86	1,405.11	1,385.67	19.44	72.270		
3,400.00	3,371.61	3,335.96	3,335.72	9.60	12.01	-118.459	994.17	855.16	1,418.31	1,398.27	20.04	70.763		
3,500.00	3,468.55	3,431.84	3,431.59	9.97	12.34	-119.312	995.48	855.47	1,431.82	1,411.18	20.64	69.359		
3,600.00	3,565.49	3,527.48	3,527.22	10.36	12.68	-120.153	996.93	855.68	1,445.74	1,424.48	21.26	68.017		
3,700.00	3,662.42	3,625.38	3,625.11	10.75	13.02	-120.990	998.30	856.10	1,459.97	1,438.09	21.89	66.702		
3,800.00	3,759.36	3,726.12	3,725.84	11.16	13.38	-121.817	999.34	856.83	1,474.33	1,451.79	22.54	65.402		
3,900.00	3,856.30	3,825.83	3,825.55	11.57	13.73	-122.627	1,000.19	857.25	1,488.68	1,465.48	23.20	64.156		
4,000.00	3,953.23	3,919.72	3,919.43	11.98	14.05	-123.387	1,001.17	857.42	1,503.39	1,479.53	23.85	63.031		
4,100.00	4,050.17	4,016.17	4,015.87	12.40	14.39	-124.150	1,002.24	857.72	1,518.48	1,493.96	24.52	61.930		
4,200.00	4,147.11	4,112.74	4,116.94	12.83	14.75	-124.929	1,003.18	858.07	1,533.70	1,508.48	25.22	60.821		
4,300.00	4,244.04	4,218.72	4,218.42	13.26	15.10	-125.702	1,003.88	858.15	1,548.86	1,522.94	25.93	59.744		
4,400.00	4,340.98	4,315.25	4,314.95	13.70	15.44	-126.433	1,004.55	857.92	1,564.17	1,537.55	26.62	58.758		
4,500.00	4,437.91	4,410.49	4,410.18	14.14	15.77	-127.147	1,005.33	857.56	1,579.79	1,552.47	27.32	57.829		
4,600.00	4,534.85	4,505.34	4,505.03	14.58	16.11	-127.844	1,006.19	857.27	1,595.77	1,567.75	28.02	56.947		
4,700.00	4,631.79	4,602.53	4,602.22	15.02	16.45	-128.545	1,007.11	857.00	1,612.03	1,583.29	28.74	56.082		
4,800.00	4,728.72	4,699.53	4,699.21	15.47	16.79	-129.231	1,008.02	856.67	1,628.51	1,599.03	29.47	55.256		
4,900.00	4,825.66	4,798.21	4,797.88	15.92	17.13	-129.922	1,008.93	856.16	1,645.14	1,614.93	30.21	54.448		
5,000.00	4,922.60	4,898.19	4,897.86	16.38	17.48	-130.614	1,009.76	855.42	1,661.85	1,630.88	30.97	53.659		
5,100.00	5,019.53	4,993.63	4,993.29	16.83	17.82	-131.263	1,010.51	854.66	1,678.73	1,647.02	31.71	52.939		
5,200.00	5,116.47	5,087.99	5,087.64	17.29	18.15	-131.898	1,011.39	853.78	1,695.92	1,663.47	32.45	52.261		
5,300.00	5,213.41	5,190.17	5,189.81	17.75	18.50	-132.582	1,012.37	852.52	1,713.27	1,680.03	33.24	51.547		
5,400.00	5,310.34	5,286.20	5,285.82	18.21	18.84	-133.228	1,013.24	850.84	1,730.64	1,696.65	34.00	50.902		
5,500.00	5,407.28	5,381.10	5,380.69	18.68	19.17	-133.875	1,014.35	848.58	1,748.32	1,713.56	34.76	50.293		
5,600.00	5,504.22	5,474.44	5,473.98	19.14	19.50	-134.504	1,015.59	846.23	1,766.34	1,730.82	35.52	49.723		
5,700.00	5,601.15	5,571.23	5,570.75	19.61	19.84	-135.132	1,016.89	844.16	1,784.69	1,748.38	36.31	49.158		
5,800.00	5,698.09	5,667.29	5,666.78	20.08	20.17	-135.737	1,018.07	842.32	1,803.19	1,766.11	37.09	48.622		
5,900.00	5,795.02	5,762.64	5,762.11	20.55	20.51	-136.319	1,019.26	840.68	1,821.95	1,784.09	37.87	48.116		
6,000.00	5,891.96	5,856.98	5,856.43	21.02	20.84	-136.884	1,020.51	839.09	1,840.97	1,802.33	38.64	47.639		
6,100.00	5,988.90	5,951.89	5,951.31	21.49	21.17	-137.446	1,021.91	837.35	1,860.30	1,820.87	39.43	47.181		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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
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
6,200.00	6,085.83	6,047.94	6,047.34	21.96	21.50	-138.002	1,023.35	835.63	1,879.83	1,839.61	40.22	46.734	
6,300.00	6,182.77	6,147.60	6,146.97	22.43	21.85	-138.565	1,024.79	833.96	1,899.52	1,858.48	41.04	46.283	
6,400.00	6,279.71	6,249.05	6,248.40	22.91	22.21	-139.121	1,025.94	832.32	1,919.08	1,877.20	41.87	45.833	
6,500.00	6,376.64	6,343.82	6,343.16	23.38	22.54	-139.626	1,026.89	830.93	1,938.69	1,896.02	42.66	45.440	
6,600.00	6,473.61	6,439.31	6,438.63	23.84	22.87	-140.197	1,028.05	829.49	1,958.55	1,915.10	43.45	45.077	
6,700.00	6,571.18	6,538.81	6,538.12	24.33	23.22	-140.887	1,029.07	827.98	1,976.41	1,932.14	44.27	44.647	
6,800.00	6,669.45	6,633.19	6,632.48	24.80	23.55	-141.444	1,030.14	826.68	1,991.83	1,946.80	45.03	44.235	
6,900.00	6,768.30	6,732.91	6,732.18	25.25	23.90	-141.918	1,031.35	825.30	2,004.69	1,958.90	45.79	43.779	
7,000.00	6,867.62	6,834.52	6,833.78	25.67	24.26	-142.294	1,032.41	823.86	2,014.69	1,968.16	46.53	43.297	
7,100.00	6,967.29	6,932.36	6,931.60	26.06	24.60	-142.563	1,033.47	822.54	2,022.03	1,974.81	47.21	42.828	
7,200.00	7,067.18	7,031.50	7,030.72	26.40	24.95	-142.750	1,034.59	820.81	2,026.60	1,978.75	47.85	42.352	
7,300.00	7,167.16	7,127.93	7,127.12	26.54	25.28	7.400	1,035.87	819.00	2,028.63	1,980.32	48.30	41.997	
7,400.00	7,267.16	7,229.45	7,228.62	26.57	25.64	7.339	1,037.23	817.01	2,029.70	1,980.99	48.71	41.671	
7,500.00	7,367.16	7,331.05	7,330.19	26.59	26.00	7.274	1,038.57	814.85	2,030.75	1,981.64	49.11	41.355	
7,600.00	7,467.16	7,431.19	7,430.33	26.61	26.32	7.209	1,039.87	812.68	2,031.79	1,982.29	49.50	41.039	
7,700.00	7,567.16	7,531.25	7,530.39	26.63	26.63	7.144	1,041.17	810.51	2,032.83	1,982.94	49.89	40.723	
7,800.00	7,667.16	7,631.31	7,630.45	26.66	26.94	7.079	1,042.47	808.34	2,033.87	1,983.59	50.28	40.407	
7,900.00	7,767.16	7,731.37	7,730.51	26.68	27.25	7.014	1,043.77	806.17	2,034.91	1,984.24	50.67	40.091	
8,000.00	7,867.16	7,831.43	7,830.57	26.70	27.56	6.949	1,045.07	804.00	2,035.95	1,984.89	51.06	39.775	
8,100.00	7,967.16	7,931.49	7,930.63	26.73	27.87	6.884	1,046.37	801.83	2,037.00	1,985.54	51.45	39.459	
8,200.00	8,067.16	8,031.55	8,030.69	26.75	28.18	6.819	1,047.67	799.66	2,038.04	1,986.19	51.84	39.143	
8,300.00	8,167.16	8,131.61	8,130.75	26.77	28.49	6.754	1,048.97	797.49	2,039.09	1,986.84	52.23	38.827	
8,400.00	8,267.16	8,231.67	8,230.81	26.80	28.80	6.689	1,050.27	795.32	2,040.13	1,987.49	52.62	38.511	
8,500.00	8,367.16	8,331.73	8,330.87	26.82	29.11	6.624	1,051.57	793.15	2,041.18	1,988.14	53.01	38.195	
8,600.00	8,467.16	8,431.79	8,430.93	26.85	29.42	6.559	1,052.87	790.98	2,042.22	1,988.79	53.40	37.879	
8,700.00	8,567.16	8,531.85	8,530.99	26.87	29.73	6.494	1,054.17	788.81	2,043.27	1,989.44	53.79	37.563	
8,800.00	8,667.16	8,631.91	8,631.05	26.90	30.04	6.429	1,055.47	786.64	2,044.31	1,990.09	54.18	37.247	
8,900.00	8,767.16	8,731.97	8,731.11	26.92	30.35	6.364	1,056.77	784.47	2,045.36	1,990.74	54.57	36.931	
9,000.00	8,867.16	8,831.99	8,831.13	26.95	30.66	6.299	1,058.07	782.30	2,046.40	1,991.39	54.96	36.615	
9,100.00	8,967.16	8,932.05	8,931.19	26.98	30.97	6.234	1,059.37	780.13	2,047.45	1,992.04	55.35	36.299	
9,200.00	9,067.16	9,032.11	9,031.25	27.00	31.28	6.169	1,060.67	777.96	2,048.49	1,992.69	55.74	35.983	
9,300.00	9,167.16	9,132.17	9,131.31	27.03	31.59	6.104	1,061.97	775.79	2,049.54	1,993.34	56.13	35.667	
9,400.00	9,267.16	9,232.23	9,231.37	27.05	31.90	6.039	1,063.27	773.62	2,050.58	1,993.99	56.52	35.351	
9,500.00	9,367.16	9,332.29	9,331.43	27.08	32.21	5.974	1,064.57	771.45	2,051.63	1,994.64	56.91	35.035	
9,519.51	9,386.68	9,351.81	9,350.95	27.09	32.52	5.909	1,065.87	769.28	2,052.67	1,995.29	57.30	34.719	
9,600.00	9,467.16	9,432.35	9,431.49	27.11	32.83	5.844	1,067.17	767.11	2,053.72	1,995.94	57.69	34.403	
9,700.00	9,567.16	9,532.41	9,531.55	27.13	33.14	5.779	1,068.47	764.94	2,054.76	1,996.59	58.08	34.087	
9,800.00	9,667.16	9,632.47	9,631.61	27.15	33.45	5.714	1,069.77	762.77	2,055.81	1,997.24	58.47	33.771	
9,900.00	9,767.16	9,732.53	9,731.67	27.18	33.76	5.649	1,071.07	760.60	2,056.85	1,997.89	58.86	33.455	
10,000.00	9,857.80	9,822.59	9,821.73	27.20	34.07	5.584	1,072.37	758.43	2,057.90	1,998.54	59.25	33.139	
10,100.00	9,942.95	9,907.65	9,906.79	27.23	34.38	5.519	1,073.67	756.26	2,058.94	1,999.19	59.64	32.823	
10,200.00	10,017.74	9,982.71	9,981.85	27.25	34.69	5.454	1,074.97	754.09	2,059.99	1,999.84	60.03	32.507	
10,300.00	10,079.89	10,044.86	10,043.99	27.28	35.00	5.389	1,076.27	751.92	2,061.03	2,000.49	60.42	32.191	
10,400.00	10,127.53	10,092.50	10,091.64	27.30	35.31	5.324	1,077.57	749.75	2,062.08	2,001.14	60.81	31.875	
10,500.00	10,159.20	10,124.17	10,123.31	27.33	35.62	5.259	1,078.87	747.58	2,063.12	2,001.79	61.20	31.559	
10,600.00	10,173.94	10,138.91	10,138.05	27.35	35.93	5.194	1,079.17	745.41	2,064.17	2,002.39	61.59	31.243	
10,700.00	10,175.00	10,140.00	10,139.14	27.37	36.24	5.129	1,080.47	743.24	2,065.21	2,003.00	61.98	30.927	
10,800.00	10,175.00	10,140.00	10,139.14	27.40	36.55	5.064	1,081.77	741.07	2,066.26	2,003.60	62.37	30.611	
10,900.00	10,175.00	10,140.00	10,139.14	27.43	36.86	4.999	1,083.07	738.90	2,067.30	2,004.21	62.76	30.295	
11,000.00	10,175.00	10,140.00	10,139.14	27.46	37.17	4.934	1,084.37	736.73	2,068.35	2,004.81	63.15	29.979	
11,100.00	10,175.00	10,140.00	10,139.14	27.49	37.48	4.869	1,085.67	734.56	2,069.39	2,005.42	63.54	29.663	
11,200.00	10,175.00	10,140.00	10,139.14	27.52	37.79	4.804	1,086.97	732.39	2,070.44	2,006.02	63.93	29.347	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,300.00	10,175.00	11,178.95	9,369.26	36.63	45.93	0.563	-982.77	797.21	1,272.43	1,214.04	58.39	21.793	
11,400.00	10,175.00	11,180.88	9,369.23	38.04	45.96	0.703	-984.70	797.25	1,352.33	1,293.00	59.33	22.793	
11,500.00	10,175.00	11,182.81	9,369.20	39.53	45.98	0.843	-986.63	797.29	1,434.75	1,374.60	60.15	23.853	
11,600.00	10,175.00	11,184.75	9,369.17	41.08	46.00	0.984	-988.56	797.34	1,519.28	1,458.42	60.86	24.962	
11,700.00	10,175.00	11,186.68	9,369.15	42.68	46.03	1.124	-990.50	797.38	1,605.59	1,544.10	61.49	26.111	
11,800.00	10,175.00	11,188.61	9,369.12	44.33	46.05	1.264	-992.43	797.42	1,693.40	1,631.36	62.05	27.293	
11,900.00	10,175.00	11,190.54	9,369.09	46.02	46.07	1.405	-994.36	797.47	1,782.50	1,719.96	62.54	28.502	
12,000.00	10,175.00	11,192.48	9,369.06	47.74	46.10	1.545	-996.29	797.51	1,872.69	1,809.71	62.98	29.734	
12,100.00	10,175.00	11,194.41	9,369.03	49.50	46.12	1.685	-998.22	797.55	1,963.84	1,900.45	63.38	30.984	
12,200.00	10,175.00	11,196.34	9,369.00	51.28	46.14	1.825	-1,000.16	797.60	2,055.80	1,992.06	63.74	32.251	



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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												Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	
7,800.00	7,667.16	11,190.00	9,353.53	26.66	58.63	-86.618	-914.25	-482.48	2,000.43	1,957.27	43.17	46.340
7,900.00	7,767.16	11,190.00	9,353.53	26.68	58.63	-86.618	-914.25	-482.48	1,915.78	1,872.11	43.67	43.865
8,000.00	7,867.16	11,190.00	9,353.53	26.70	58.63	-86.618	-914.25	-482.48	1,832.68	1,788.47	44.21	41.455
8,100.00	7,967.16	11,190.00	9,353.53	26.73	58.63	-86.618	-914.25	-482.48	1,751.34	1,706.57	44.77	39.117
8,200.00	8,067.16	11,190.00	9,353.53	26.75	58.63	-86.618	-914.25	-482.48	1,672.02	1,626.66	45.36	36.858
8,300.00	8,167.16	11,190.00	9,353.53	26.77	58.63	-86.618	-914.25	-482.48	1,595.04	1,549.05	45.98	34.687
8,400.00	8,267.16	11,190.00	9,353.53	26.80	58.63	-86.618	-914.25	-482.48	1,520.73	1,474.10	46.63	32.611
8,500.00	8,367.16	11,190.00	9,353.53	26.82	58.63	-86.618	-914.25	-482.48	1,449.52	1,402.21	47.30	30.643
8,600.00	8,467.16	11,190.00	9,353.53	26.85	58.63	-86.618	-914.25	-482.48	1,381.88	1,333.89	47.99	28.795
8,700.00	8,567.16	11,190.00	9,353.53	26.87	58.63	-86.618	-914.25	-482.48	1,318.35	1,269.67	48.68	27.081
8,800.00	8,667.16	11,190.00	9,353.53	26.90	58.63	-86.618	-914.25	-482.48	1,259.58	1,210.21	49.36	25.516
8,900.00	8,767.16	11,190.00	9,353.53	26.92	58.63	-86.618	-914.25	-482.48	1,206.24	1,156.23	50.01	24.118
9,000.00	8,867.16	11,190.00	9,353.53	26.95	58.63	-86.618	-914.25	-482.48	1,159.09	1,108.49	50.61	22.905
9,100.00	8,967.16	11,190.00	9,353.53	26.98	58.63	-86.618	-914.25	-482.48	1,118.92	1,067.81	51.11	21.894
9,200.00	9,067.16	11,190.00	9,353.53	27.00	58.63	-86.618	-914.25	-482.48	1,086.49	1,035.01	51.48	21.105
9,300.00	9,167.16	11,190.00	9,353.53	27.03	58.63	-86.618	-914.25	-482.48	1,062.52	1,010.81	51.70	20.551
9,400.00	9,267.16	11,190.00	9,353.53	27.05	58.63	-86.618	-914.25	-482.48	1,047.58	995.83	51.75	20.243
9,500.00	9,367.16	11,190.00	9,353.53	27.08	58.63	-86.618	-914.25	-482.48	1,042.06	990.45	51.62	20.188 SF
9,507.60	9,374.77	11,190.00	9,353.53	27.08	58.63	-86.618	-914.25	-482.48	1,042.04	990.44	51.60	20.194 CC, ES
9,600.00	9,467.16	11,190.00	9,353.53	27.11	58.63	-86.618	-914.25	-482.48	1,046.13	994.80	51.32	20.383
9,700.00	9,567.16	11,190.00	9,353.53	27.13	58.63	-86.618	-914.25	-482.48	1,059.65	1,008.75	50.90	20.820
9,800.00	9,667.02	11,190.00	9,353.53	27.25	58.63	-176.319	-914.25	-482.48	1,085.80	1,035.26	50.54	21.484
9,900.00	9,764.89	11,190.00	9,353.53	27.49	58.63	-175.936	-914.25	-482.48	1,134.79	1,084.44	50.35	22.536
10,000.00	9,857.80	11,190.00	9,353.53	27.77	58.63	-175.199	-914.25	-482.48	1,203.38	1,153.17	50.22	23.964
10,100.00	9,942.95	11,190.00	9,353.53	28.07	58.63	-173.734	-914.25	-482.48	1,286.56	1,236.41	50.14	25.657
10,200.00	10,017.74	11,190.00	9,353.53	28.37	58.63	-170.156	-914.25	-482.48	1,379.41	1,329.27	50.14	27.510
10,300.00	10,079.89	11,190.00	9,353.53	28.69	58.63	-153.132	-914.25	-482.48	1,477.57	1,427.37	50.20	29.432
10,400.00	10,127.53	11,190.00	9,353.53	29.03	58.63	-24.993	-914.25	-482.48	1,577.35	1,527.04	50.31	31.353
10,500.00	10,159.20	11,190.00	9,353.53	29.42	58.63	-8.788	-914.25	-482.48	1,675.71	1,625.26	50.45	33.218
10,600.00	10,173.94	11,190.00	9,353.53	29.88	58.63	-5.259	-914.25	-482.48	1,770.13	1,719.53	50.60	34.985
10,700.00	10,175.00	11,190.00	9,353.53	30.43	58.63	-4.614	-914.25	-482.48	1,860.27	1,809.54	50.74	36.665
10,800.00	10,175.00	11,190.00	9,353.53	31.13	58.63	-4.614	-914.25	-482.48	1,950.96	1,900.09	50.87	38.350
10,900.00	10,175.00	11,190.00	9,353.53	31.97	58.63	-4.614	-914.25	-482.48	2,042.51	1,991.52	50.99	40.053

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	10,175.00	10,169.22	10,167.10	87.65	253.64	-90.082	682.76	5,791.35	2,034.73	1,708.31	326.43	6.233	
14,200.00	10,175.00	10,169.22	10,167.10	89.63	253.64	-90.082	682.76	5,791.35	1,977.39	1,647.46	329.93	5.993	
14,300.00	10,175.00	10,169.22	10,167.10	91.62	253.64	-90.082	682.76	5,791.35	1,923.53	1,590.02	333.51	5.767	
14,400.00	10,175.00	10,169.22	10,167.10	93.61	253.64	-90.082	682.76	5,791.35	1,873.47	1,536.31	337.16	5.557	
14,500.00	10,175.00	10,169.22	10,167.10	95.61	253.64	-90.082	682.76	5,791.35	1,827.51	1,486.68	340.83	5.362	
14,600.00	10,175.00	10,169.22	10,167.10	97.61	253.64	-90.082	682.76	5,791.35	1,785.97	1,441.49	344.48	5.185	
14,700.00	10,175.00	10,169.22	10,167.10	99.61	253.64	-90.082	682.76	5,791.35	1,749.17	1,401.10	348.07	5.025	
14,800.00	10,175.00	10,169.22	10,167.10	101.61	253.64	-90.082	682.76	5,791.35	1,717.42	1,365.87	351.55	4.885	
14,900.00	10,175.00	10,169.22	10,167.10	103.62	253.64	-90.082	682.76	5,791.35	1,690.98	1,336.13	354.85	4.765	
15,000.00	10,175.00	10,169.22	10,167.10	105.63	253.64	-90.082	682.76	5,791.35	1,670.13	1,312.20	357.93	4.666	
15,100.00	10,175.00	10,169.22	10,167.10	107.64	253.64	-90.082	682.76	5,791.35	1,655.07	1,294.34	360.73	4.588	
15,200.00	10,175.00	10,169.22	10,167.10	109.65	253.64	-90.081	682.76	5,791.35	1,645.95	1,282.75	363.20	4.532	
15,300.00	10,175.00	10,169.22	10,167.10	111.67	253.64	-90.081	682.76	5,791.35	1,642.88	1,277.58	365.31	4.497	
15,300.45	10,175.00	10,169.22	10,167.10	111.68	253.64	-90.081	682.76	5,791.35	1,642.88	1,277.57	365.32	4.497	CC, ES
15,400.00	10,175.00	10,169.22	10,167.10	113.69	253.64	-90.081	682.76	5,791.35	1,645.90	1,278.88	367.02	4.485	SF
15,500.00	10,175.00	10,169.22	10,167.10	115.71	253.64	-90.081	682.76	5,791.35	1,654.96	1,286.64	368.31	4.493	
15,600.00	10,175.00	10,169.22	10,167.09	117.73	253.64	-90.081	682.76	5,791.35	1,669.97	1,300.77	369.20	4.523	
15,700.00	10,175.00	10,169.22	10,167.09	119.75	253.64	-90.081	682.76	5,791.35	1,690.77	1,321.08	369.69	4.574	
15,800.00	10,175.00	10,169.22	10,167.09	121.78	253.64	-90.081	682.76	5,791.35	1,717.15	1,347.35	369.80	4.643	
15,900.00	10,175.00	10,169.21	10,167.09	123.80	253.64	-90.081	682.76	5,791.35	1,748.86	1,379.30	369.57	4.732	
16,000.00	10,175.00	10,169.21	10,167.09	125.83	253.64	-90.081	682.76	5,791.35	1,785.62	1,416.59	369.03	4.839	
16,100.00	10,175.00	10,169.21	10,167.09	127.86	253.64	-90.081	682.76	5,791.35	1,827.11	1,458.88	368.23	4.962	
16,200.00	10,175.00	10,169.21	10,167.09	129.89	253.64	-90.081	682.76	5,791.35	1,873.03	1,505.82	367.21	5.101	
16,300.00	10,175.00	10,169.21	10,167.09	131.92	253.64	-90.081	682.76	5,791.35	1,923.06	1,557.05	366.01	5.254	
16,400.00	10,175.00	10,169.21	10,167.09	133.95	253.64	-90.081	682.76	5,791.35	1,976.89	1,612.22	364.67	5.421	
16,500.00	10,175.00	10,169.21	10,167.09	135.99	253.64	-90.081	682.76	5,791.35	2,034.20	1,670.98	363.22	5.600	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		
16,000.00	10,175.00	10,178.39	10,176.76	125.83	237.00	-90.000	-633.59	8,441.25	1,972.33	1,701.58	270.74	7.285			
16,100.00	10,175.00	10,178.39	10,176.76	127.86	237.00	-90.000	-633.59	8,441.25	1,873.71	1,601.95	271.76	6.895			
16,200.00	10,175.00	10,178.39	10,176.76	129.89	237.00	-90.000	-633.59	8,441.25	1,775.25	1,502.34	272.91	6.505			
16,300.00	10,175.00	10,178.39	10,176.76	131.92	237.00	-90.000	-633.59	8,441.25	1,676.97	1,402.75	274.22	6.115			
16,400.00	10,175.00	10,178.39	10,176.76	133.95	237.00	-90.000	-633.59	8,441.25	1,578.90	1,303.18	275.72	5.726			
16,500.00	10,175.00	10,178.39	10,176.76	135.99	237.00	-90.000	-633.59	8,441.25	1,481.10	1,203.64	277.46	5.338			
16,600.00	10,175.00	10,178.39	10,176.76	138.02	237.00	-90.000	-633.59	8,441.25	1,383.61	1,104.13	279.48	4.951			
16,700.00	10,175.00	10,178.39	10,176.76	140.06	237.00	-90.000	-633.59	8,441.25	1,286.50	1,004.66	281.84	4.565			
16,800.00	10,175.00	10,178.39	10,176.76	142.09	237.00	-90.000	-633.59	8,441.25	1,189.87	905.24	284.64	4.180			
16,900.00	10,175.00	10,178.39	10,176.76	144.13	237.00	-90.000	-633.59	8,441.25	1,093.85	805.88	287.98	3.798			
17,000.00	10,175.00	10,178.39	10,176.76	146.17	237.00	-90.000	-633.59	8,441.25	998.62	706.61	292.00	3.420			
17,100.00	10,175.00	10,178.39	10,176.76	148.21	237.00	-90.000	-633.59	8,441.25	904.41	607.48	296.92	3.046			
17,200.00	10,175.00	10,178.39	10,176.76	150.25	237.00	-90.000	-633.59	8,441.25	811.58	508.58	303.00	2.678			
17,300.00	10,175.00	10,178.39	10,176.76	152.29	237.00	-90.000	-633.59	8,441.25	720.68	410.08	310.60	2.320			
17,400.00	10,175.00	10,178.39	10,176.76	154.33	237.00	-90.000	-633.59	8,441.25	632.53	312.31	320.22	1.975	Level 3		
17,500.00	10,175.00	10,178.39	10,176.76	156.37	237.00	-90.000	-633.59	8,441.25	548.47	216.00	332.47	1.650	Level 3		
17,600.00	10,175.00	10,178.39	10,176.76	158.42	237.00	-90.000	-633.59	8,441.25	470.67	122.74	347.93	1.353	Level 3		
17,700.00	10,175.00	10,178.39	10,176.76	160.46	237.00	-90.000	-633.59	8,441.25	402.80	36.23	366.57	1.099	Level 3		
17,800.00	10,175.00	10,178.39	10,176.76	162.50	237.00	-90.000	-633.59	8,441.25	350.67	-35.50	386.17	0.908	Level 3		
17,900.00	10,175.00	10,178.39	10,176.76	164.55	237.00	-90.000	-633.59	8,441.25	322.00	-78.24	400.24	0.805	Level 3		
17,946.42	10,175.00	10,178.39	10,176.76	165.50	237.00	-90.000	-633.59	8,441.25	318.64	-83.85	402.48	0.792	Level 3, CC, ES, SF		
18,000.00	10,175.00	10,178.39	10,176.76	166.59	237.00	-90.000	-633.59	8,441.25	323.11	-77.79	400.90	0.806	Level 3		
18,100.00	10,175.00	10,178.39	10,176.76	168.64	237.00	-90.000	-633.59	8,441.25	353.72	-34.51	388.23	0.911	Level 3		
18,200.00	10,175.00	10,178.39	10,176.76	170.69	237.00	-90.000	-633.59	8,441.25	407.23	37.21	370.01	1.101	Level 3		
18,300.00	10,175.00	10,178.39	10,176.76	172.73	237.00	-90.000	-633.59	8,441.25	475.97	123.47	352.51	1.350	Level 3		
18,400.00	10,175.00	10,178.39	10,176.76	174.78	237.00	-90.000	-633.59	8,441.25	554.32	216.42	337.89	1.641	Level 3		
18,500.00	10,175.00	10,178.39	10,176.76	176.83	237.00	-90.000	-633.59	8,441.25	638.74	312.49	326.25	1.958	Level 3		
18,600.00	10,175.00	10,178.39	10,176.76	178.88	237.00	-90.000	-633.59	8,441.25	727.12	410.05	317.06	2.293			
18,700.00	10,175.00	10,178.39	10,176.76	180.93	237.00	-90.000	-633.59	8,441.25	818.18	508.39	309.78	2.641			
18,800.00	10,175.00	10,178.39	10,176.76	182.98	237.00	-90.000	-633.59	8,441.25	911.12	607.16	303.96	2.998			
18,900.00	10,175.00	10,178.39	10,176.76	185.03	237.00	-90.000	-633.59	8,441.25	1,005.41	706.17	299.24	3.360			
19,000.00	10,175.00	10,178.39	10,176.76	187.08	237.00	-90.000	-633.59	8,441.25	1,100.71	805.34	295.37	3.727			
19,100.00	10,175.00	10,178.39	10,176.76	189.13	237.00	-90.000	-633.59	8,441.25	1,196.78	904.60	292.18	4.096			
19,200.00	10,175.00	10,178.39	10,176.76	191.18	237.00	-90.000	-633.59	8,441.25	1,293.44	1,003.93	289.51	4.468			
19,300.00	10,175.00	10,178.39	10,176.76	193.23	237.00	-90.000	-633.59	8,441.25	1,390.58	1,103.31	287.27	4.841			
19,400.00	10,175.00	10,178.39	10,176.76	195.29	237.00	-90.000	-633.59	8,441.25	1,488.10	1,202.73	285.37	5.215			
19,500.00	10,175.00	10,178.39	10,176.76	197.34	237.00	-90.000	-633.59	8,441.25	1,585.92	1,302.18	283.75	5.589			
19,600.00	10,175.00	10,178.39	10,176.76	199.39	237.00	-90.000	-633.59	8,441.25	1,684.00	1,401.65	282.36	5.964			
19,700.00	10,175.00	10,178.39	10,176.76	201.45	237.00	-90.000	-633.59	8,441.25	1,782.30	1,501.14	281.16	6.339			
19,800.00	10,175.00	10,178.39	10,176.76	203.50	237.00	-90.000	-633.59	8,441.25	1,880.77	1,600.65	280.12	6.714			
19,900.00	10,175.00	10,178.39	10,176.76	205.55	237.00	-90.000	-633.59	8,441.25	1,979.40	1,700.18	279.22	7.089			

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W12) HULKSTER 005 - 39572 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 235-INC-ONLY												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	5.76	5.76	0.00	0.12	14.276	1,990.31	506.45	2,053.74				
100.00	100.00	105.76	105.76	0.79	2.22	14.276	1,990.31	506.45	2,053.74	2,050.73	3.01	682.573	
200.00	200.00	205.76	205.76	1.45	4.33	14.276	1,990.31	506.45	2,053.74	2,047.97	5.77	355.850	
300.00	300.00	305.76	305.76	1.89	6.41	14.276	1,990.31	506.45	2,053.74	2,045.44	8.30	247.503	
400.00	400.00	408.31	408.31	2.25	8.53	14.275	1,990.58	506.45	2,054.00	2,043.21	10.78	190.455	
500.00	500.00	505.78	505.76	2.57	10.55	14.276	1,990.31	506.45	2,053.74	2,040.63	13.11	156.622	
600.00	600.00	605.78	605.76	2.85	12.42	14.276	1,990.31	506.45	2,053.74	2,038.47	15.27	134.486	
700.00	700.00	717.01	716.98	3.11	14.51	14.276	1,990.41	506.45	2,053.86	2,036.25	17.62	116.589	
726.44	726.44	746.83	746.81	3.17	15.07	14.277	1,990.22	506.45	2,053.70	2,035.46	18.24	112.596	
800.00	800.00	805.79	805.76	3.35	16.21	14.276	1,990.31	506.45	2,053.74	2,034.18	19.56	105.001	
900.00	900.00	911.39	911.36	3.58	18.24	14.275	1,990.45	506.45	2,053.88	2,032.06	21.82	94.132	
1,000.00	1,000.00	1,005.81	1,005.76	3.79	20.14	14.276	1,990.31	506.45	2,053.74	2,029.81	23.93	85.817	
1,100.00	1,100.00	1,114.42	1,114.36	3.99	22.39	14.274	1,990.68	506.45	2,054.11	2,027.72	26.38	77.859	
1,200.00	1,200.00	1,205.85	1,205.76	4.19	24.24	14.276	1,990.31	506.45	2,053.74	2,025.31	28.43	72.247	
1,300.00	1,300.00	1,306.12	1,306.03	4.38	26.19	14.272	1,990.90	506.45	2,054.30	2,023.74	30.57	67.205	
1,400.00	1,400.00	1,421.04	1,420.95	4.56	28.43	14.275	1,990.45	506.45	2,053.93	2,020.94	32.99	62.265	
1,432.13	1,432.13	1,457.98	1,457.88	4.62	29.14	14.278	1,990.13	506.45	2,053.65	2,019.89	33.76	60.827 CC	
1,500.00	1,500.00	1,505.86	1,505.76	4.74	29.88	14.276	1,990.31	506.45	2,053.74	2,019.12	34.62	59.318	
1,600.00	1,600.00	1,605.87	1,605.76	4.91	31.59	14.276	1,990.31	506.45	2,053.74	2,017.24	36.50	56.267	
1,700.00	1,700.00	1,705.87	1,705.76	5.08	33.50	14.276	1,990.31	506.45	2,053.74	2,015.16	38.58	53.240	
1,800.00	1,800.00	1,806.70	1,806.59	5.24	35.42	14.275	1,990.51	506.45	2,053.93	2,013.26	40.66	50.512	
1,900.00	1,900.00	1,909.12	1,909.02	5.40	37.37	14.276	1,990.40	506.45	2,053.83	2,011.05	42.78	48.014	
2,000.00	2,000.00	2,005.87	2,005.76	5.56	39.19	14.276	1,990.31	506.45	2,053.74	2,008.99	44.75	45.896	
2,100.00	2,099.98	2,108.41	2,108.30	5.78	41.09	-135.989	1,990.38	506.45	2,055.06	2,008.24	46.82	43.891 ES	
2,200.00	2,199.84	2,205.72	2,205.60	5.99	42.98	-136.036	1,990.31	506.45	2,058.76	2,009.89	48.87	42.123 SF	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
0.00	0.00	1.76	1.76	0.00	0.04	-50.357	669.37	-807.89	1,049.16				
100.00	100.00	101.76	101.76	0.79	2.10	-50.357	669.37	-807.89	1,049.16	1,046.28	2.89	363.128	
200.00	200.00	201.76	201.76	1.45	4.17	-50.357	669.37	-807.89	1,049.16	1,043.55	5.62	186.787	
300.00	300.00	301.77	301.76	1.89	6.13	-50.357	669.37	-807.89	1,049.16	1,041.15	8.02	130.843	
400.00	400.00	405.07	405.06	2.25	8.10	-50.351	669.51	-807.89	1,049.26	1,038.90	10.36	101.300	
486.07	486.07	487.85	487.83	2.52	10.18	-50.357	669.37	-807.89	1,049.16	1,036.46	12.70	82.610	
500.00	500.00	501.78	501.76	2.57	10.56	-50.357	669.37	-807.89	1,049.16	1,036.04	13.13	79.919	
600.00	600.00	601.78	601.76	2.85	13.32	-50.357	669.37	-807.89	1,049.16	1,033.00	16.17	64.898	
700.00	700.00	702.16	702.14	3.11	16.08	-50.335	669.89	-807.89	1,049.49	1,030.30	19.19	54.684	
800.00	800.00	803.39	803.37	3.35	18.87	-50.342	669.74	-807.89	1,049.40	1,027.18	22.22	47.221	
900.00	900.00	904.62	904.60	3.58	21.66	-50.356	669.40	-807.89	1,049.19	1,023.95	25.24	41.569	
940.54	940.54	942.33	942.30	3.66	22.52	-50.357	669.37	-807.89	1,049.16	1,022.98	26.18	40.069	
1,000.00	1,000.00	1,001.79	1,001.76	3.79	23.80	-50.357	669.37	-807.89	1,049.16	1,021.57	27.59	38.021	
1,100.00	1,100.00	1,101.79	1,101.76	3.99	25.96	-50.357	669.37	-807.89	1,049.16	1,019.21	29.96	35.025	
1,200.00	1,200.00	1,202.03	1,202.00	4.19	28.12	-50.346	669.63	-807.89	1,049.33	1,017.02	32.31	32.474	
1,300.00	1,300.00	1,302.63	1,302.60	4.38	30.29	-50.349	669.55	-807.89	1,049.28	1,014.61	34.67	30.264	
1,400.00	1,400.00	1,403.22	1,403.19	4.56	32.46	-50.357	669.38	-807.89	1,049.17	1,012.15	37.02	28.338	
1,438.36	1,438.36	1,440.15	1,440.12	4.63	33.22	-50.357	669.37	-807.89	1,049.16	1,011.31	37.85	27.716	
1,500.00	1,500.00	1,501.79	1,501.76	4.74	34.49	-50.357	669.37	-807.89	1,049.16	1,009.94	39.23	26.747	
1,600.00	1,600.00	1,601.79	1,601.76	4.91	36.53	-50.357	669.37	-807.89	1,049.16	1,007.72	41.45	25.314	
1,700.00	1,700.00	1,702.06	1,702.02	5.08	38.59	-50.346	669.63	-807.89	1,049.33	1,005.67	43.67	24.031	
1,800.00	1,800.00	1,802.65	1,802.61	5.24	40.65	-50.350	669.55	-807.89	1,049.28	1,003.39	45.89	22.865	
1,900.00	1,900.00	1,903.24	1,903.21	5.40	42.71	-50.357	669.37	-807.89	1,049.17	1,001.06	48.11	21.808	
1,935.82	1,935.82	1,937.64	1,937.58	5.46	43.44	-50.357	669.37	-807.89	1,049.16	1,000.27	48.90	21.456	
2,000.00	2,000.00	2,001.81	2,001.76	5.56	44.81	-50.357	669.37	-807.89	1,049.16	998.80	50.37	20.830 CC	
2,100.00	2,099.98	2,101.79	2,101.74	5.78	46.94	159.418	669.37	-807.89	1,050.80	998.09	52.71	19.936 ES	
2,200.00	2,199.84	2,202.20	2,202.14	5.99	49.08	159.519	670.22	-807.89	1,056.24	1,001.20	55.05	19.188	
2,300.00	2,299.45	2,303.56	2,303.49	6.21	51.25	159.622	670.01	-807.89	1,064.28	1,006.86	57.42	18.535	
2,400.00	2,398.70	2,404.60	2,404.53	6.46	53.40	159.755	669.54	-807.89	1,075.43	1,015.62	59.81	17.981	
2,500.00	2,497.47	2,499.33	2,499.23	6.73	55.33	159.920	669.37	-807.89	1,090.01	1,028.02	61.99	17.583	
2,600.00	2,595.62	2,597.48	2,597.38	7.02	57.29	160.134	669.37	-807.89	1,107.98	1,043.76	64.23	17.251	
2,700.00	2,693.06	2,695.55	2,695.44	7.33	59.25	160.407	670.12	-807.89	1,129.71	1,063.23	66.48	16.993	
2,800.00	2,790.00	2,794.65	2,794.54	7.62	61.23	160.798	669.89	-807.89	1,152.79	1,084.05	68.74	16.770	
2,900.00	2,886.93	2,893.88	2,893.77	7.91	63.22	161.181	669.40	-807.89	1,175.76	1,104.76	71.00	16.560	
3,000.00	2,983.87	2,985.78	2,985.63	8.21	65.17	161.538	669.37	-807.89	1,199.08	1,125.83	73.25	16.370	
3,100.00	3,080.81	3,082.72	3,082.57	8.54	67.23	161.901	669.37	-807.89	1,222.47	1,146.84	75.63	16.164	
3,200.00	3,177.74	3,180.58	3,180.41	8.88	69.31	162.291	670.45	-807.89	1,246.64	1,168.60	78.04	15.974	
3,300.00	3,274.68	3,280.58	3,280.41	9.23	71.44	162.628	670.17	-807.89	1,269.94	1,189.42	80.52	15.772	
3,400.00	3,371.61	3,380.75	3,380.57	9.60	73.58	162.942	669.54	-807.89	1,293.05	1,210.04	83.01	15.577	
3,500.00	3,468.55	3,470.54	3,470.31	9.97	75.52	163.226	669.37	-807.89	1,316.47	1,231.14	85.32	15.429	
3,600.00	3,565.49	3,567.48	3,567.25	10.36	77.64	163.529	669.37	-807.89	1,340.06	1,252.25	87.82	15.260	
3,700.00	3,662.42	3,664.90	3,664.66	10.75	79.76	163.855	670.45	-807.89	1,364.45	1,274.12	90.33	15.105	
3,800.00	3,759.36	3,765.30	3,765.06	11.16	81.95	164.140	670.23	-807.89	1,387.96	1,295.04	92.92	14.937	
3,900.00	3,856.30	3,865.87	3,865.62	11.57	84.14	164.404	669.65	-807.89	1,411.26	1,315.74	95.52	14.775	
4,000.00	3,953.23	3,955.32	3,954.99	11.98	85.97	164.639	669.37	-807.89	1,434.77	1,337.01	97.75	14.677	
4,100.00	4,050.17	4,052.26	4,051.93	12.40	87.88	164.894	669.37	-807.89	1,458.52	1,358.44	100.07	14.574	
4,200.00	4,147.11	4,154.75	4,154.41	12.83	89.89	165.175	670.10	-807.89	1,482.82	1,380.31	102.52	14.464	
4,300.00	4,244.04	4,246.18	4,245.80	13.26	91.68	165.380	669.37	-807.89	1,506.09	1,401.36	104.73	14.380	
4,400.00	4,340.98	4,343.12	4,342.74	13.70	93.63	165.612	669.37	-807.89	1,529.92	1,422.81	107.11	14.284	
4,500.00	4,437.91	4,440.06	4,439.67	14.14	95.57	165.836	669.37	-807.89	1,553.77	1,444.29	109.48	14.192	
4,600.00	4,534.85	4,538.47	4,538.08	14.58	97.54	166.077	670.14	-807.89	1,578.20	1,466.31	111.90	14.104	
4,700.00	4,631.79	4,638.57	4,638.17	15.02	99.54	166.289	669.88	-807.89	1,601.91	1,487.56	114.35	14.009	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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			Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,728.72	4,738.79	4,738.39	15.47	101.55	166.487	669.35	-807.89	1,625.45	1,508.64	116.80	13.916	
4,900.00	4,825.66	4,827.84	4,827.42	15.92	103.33	166.670	669.37	-807.89	1,649.37	1,530.35	119.02	13.857	
5,000.00	4,922.60	4,924.78	4,924.36	16.38	105.27	166.864	669.37	-807.89	1,673.32	1,551.90	121.42	13.782	
5,100.00	5,019.53	5,023.03	5,022.60	16.83	107.23	167.073	670.16	-807.89	1,697.87	1,574.03	123.84	13.710	
5,200.00	5,116.47	5,123.39	5,122.96	17.29	109.24	167.256	669.92	-807.89	1,721.68	1,595.37	126.31	13.631	
5,300.00	5,213.41	5,223.87	5,223.44	17.75	111.25	167.429	669.41	-807.89	1,745.32	1,616.54	128.79	13.552	
5,400.00	5,310.34	5,312.57	5,312.10	18.21	113.08	167.586	669.37	-807.89	1,769.28	1,638.23	131.06	13.500	
5,500.00	5,407.28	5,409.50	5,409.04	18.68	115.07	167.754	669.37	-807.89	1,793.31	1,659.80	133.51	13.432	
5,600.00	5,504.22	5,507.49	5,507.02	19.14	117.09	167.937	670.17	-807.89	1,817.95	1,681.95	136.00	13.367	
5,700.00	5,601.15	5,608.13	5,607.66	19.61	119.16	168.098	669.96	-807.89	1,841.86	1,703.31	138.55	13.294	
5,800.00	5,698.09	5,708.90	5,708.42	20.08	121.24	168.250	669.48	-807.89	1,865.58	1,724.49	141.10	13.222	
5,900.00	5,795.02	5,797.31	5,796.78	20.55	123.06	168.386	669.37	-807.89	1,889.57	1,746.20	143.37	13.180	
6,000.00	5,891.96	5,894.24	5,893.72	21.02	125.05	168.533	669.37	-807.89	1,913.66	1,767.83	145.83	13.122	
6,100.00	5,988.90	5,992.12	5,991.59	21.49	127.07	168.700	670.44	-807.89	1,938.59	1,790.26	148.32	13.070	
6,200.00	6,085.83	6,094.46	6,093.92	21.96	129.18	168.844	670.20	-807.89	1,962.53	1,811.61	150.91	13.004	
6,300.00	6,182.77	6,196.96	6,196.42	22.43	131.29	168.976	669.58	-807.89	1,986.21	1,832.71	153.51	12.939	
6,400.00	6,279.71	6,282.05	6,281.47	22.91	133.12	169.090	669.37	-807.89	2,010.16	1,854.37	155.79	12.903	
6,500.00	6,376.64	6,378.98	6,378.40	23.38	135.25	169.220	669.37	-807.89	2,034.31	1,875.91	158.39	12.843	
6,600.00	6,473.61	6,476.13	6,475.54	23.84	137.38	169.388	670.19	-807.89	2,058.96	1,897.97	160.99	12.789 SF	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,500.00	10,175.00	10,174.62	10,171.76	39.53	244.48	-90.000	676.22	3,153.56	2,013.75	1,736.57	277.18	7.265	
11,600.00	10,175.00	10,174.62	10,171.76	41.08	244.48	-90.000	676.22	3,153.56	1,957.71	1,678.41	279.31	7.009	
11,700.00	10,175.00	10,174.62	10,171.76	42.68	244.48	-90.000	676.22	3,153.56	1,905.29	1,623.74	281.55	6.767	
11,800.00	10,175.00	10,174.62	10,171.76	44.33	244.48	-90.000	676.22	3,153.56	1,856.77	1,572.87	283.89	6.540	
11,900.00	10,175.00	10,174.62	10,171.76	46.02	244.48	-90.000	676.22	3,153.56	1,812.47	1,526.16	286.31	6.330	
12,000.00	10,175.00	10,174.62	10,171.76	47.74	244.48	-90.000	676.22	3,153.56	1,772.72	1,483.92	288.79	6.138	
12,100.00	10,175.00	10,174.62	10,171.76	49.50	244.48	-90.000	676.22	3,153.56	1,737.81	1,446.52	291.30	5.966	
12,200.00	10,175.00	10,174.62	10,171.76	51.28	244.48	-90.000	676.22	3,153.56	1,708.06	1,414.26	293.79	5.814	
12,300.00	10,175.00	10,174.62	10,171.76	53.08	244.48	-90.000	676.22	3,153.56	1,683.73	1,387.47	296.25	5.683	
12,400.00	10,175.00	10,174.62	10,171.76	54.90	244.48	-90.000	676.22	3,153.56	1,665.05	1,366.42	298.63	5.576	
12,500.00	10,175.00	10,174.62	10,171.76	56.74	244.48	-90.000	676.22	3,153.56	1,652.23	1,351.34	300.90	5.491	
12,600.00	10,175.00	10,174.62	10,171.76	58.60	244.48	-90.000	676.22	3,153.56	1,645.40	1,342.39	303.01	5.430	
12,662.65	10,175.00	10,174.62	10,171.76	59.77	244.48	-90.000	676.22	3,153.56	1,644.21	1,339.96	304.25	5.404 CC	
12,700.00	10,175.00	10,174.62	10,171.76	60.47	244.48	-90.000	676.22	3,153.56	1,644.63	1,339.68	304.95	5.393 ES	
12,800.00	10,175.00	10,174.62	10,171.76	62.36	244.48	-90.000	676.22	3,153.56	1,649.93	1,343.25	306.68	5.380 SF	
12,900.00	10,175.00	10,174.62	10,171.76	64.26	244.48	-90.000	676.22	3,153.56	1,661.25	1,353.05	308.19	5.390	
13,000.00	10,175.00	10,174.62	10,171.76	66.16	244.48	-90.000	676.22	3,153.56	1,678.46	1,368.98	309.48	5.423	
13,100.00	10,175.00	10,174.62	10,171.76	68.08	244.48	-90.000	676.22	3,153.56	1,701.38	1,390.84	310.54	5.479	
13,200.00	10,175.00	10,174.62	10,171.76	70.01	244.48	-90.000	676.22	3,153.56	1,729.79	1,418.42	311.37	5.555	
13,300.00	10,175.00	10,174.62	10,171.76	71.94	244.48	-90.000	676.22	3,153.56	1,763.41	1,451.42	311.99	5.652	
13,400.00	10,175.00	10,174.62	10,171.76	73.89	244.48	-90.000	676.22	3,153.56	1,801.97	1,489.55	312.42	5.768	
13,500.00	10,175.00	10,174.62	10,171.76	75.83	244.48	-90.000	676.22	3,153.56	1,845.15	1,532.47	312.67	5.901	
13,600.00	10,175.00	10,174.62	10,171.76	77.79	244.48	-90.000	676.22	3,153.56	1,892.63	1,579.85	312.77	6.051	
13,700.00	10,175.00	10,174.62	10,171.76	79.75	244.48	-90.000	676.22	3,153.56	1,944.09	1,631.36	312.74	6.216	
13,800.00	10,175.00	10,174.62	10,171.76	81.72	244.48	-90.000	676.22	3,153.56	1,999.24	1,686.65	312.59	6.396	
13,900.00	10,175.00	10,174.62	10,171.76	83.69	244.48	-90.000	676.22	3,153.56	2,057.78	1,745.42	312.35	6.588	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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 (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	69.785	674.73	1,832.35	1,952.85				
100.00	100.00	70.76	70.76	0.79	7.50	69.785	674.73	1,832.35	1,952.63	1,944.35	8.29	235.643	
200.00	200.00	170.76	170.76	1.45	18.10	69.785	674.73	1,832.35	1,952.63	1,933.09	19.55	99.895	
300.00	300.00	270.76	270.76	1.89	28.70	69.785	674.73	1,832.35	1,952.63	1,922.04	30.59	63.827	
400.00	400.00	370.76	370.76	2.25	39.30	69.785	674.73	1,832.35	1,952.63	1,911.08	41.55	46.990	
500.00	500.00	470.76	470.76	2.57	49.90	69.785	674.73	1,832.35	1,952.63	1,900.16	52.47	37.215	
600.00	600.00	570.76	570.76	2.85	60.50	69.785	674.73	1,832.35	1,952.63	1,889.28	63.35	30.823	
700.00	700.00	670.76	670.76	3.11	71.10	69.785	674.73	1,832.35	1,952.63	1,878.42	74.21	26.313	
800.00	800.00	770.76	770.76	3.35	81.70	69.785	674.73	1,832.35	1,952.63	1,867.58	85.05	22.959	
900.00	900.00	870.76	870.76	3.58	92.30	69.785	674.73	1,832.35	1,952.63	1,856.76	95.88	20.366	
1,000.00	1,000.00	970.76	970.76	3.79	102.90	69.785	674.73	1,832.35	1,952.63	1,845.94	106.69	18.302	
1,100.00	1,100.00	1,070.76	1,070.76	3.99	113.50	69.785	674.73	1,832.35	1,952.63	1,835.14	117.50	16.619	
1,200.00	1,200.00	1,170.76	1,170.76	4.19	124.10	69.785	674.73	1,832.35	1,952.63	1,824.34	128.29	15.220	
1,300.00	1,300.00	1,270.76	1,270.76	4.38	134.70	69.785	674.73	1,832.35	1,952.63	1,813.55	139.08	14.040	
1,400.00	1,400.00	1,370.76	1,370.76	4.56	145.30	69.785	674.73	1,832.35	1,952.63	1,802.77	149.86	13.029	
1,500.00	1,500.00	1,470.76	1,470.76	4.74	155.90	69.785	674.73	1,832.35	1,952.63	1,791.99	160.64	12.155	
1,600.00	1,600.00	1,570.76	1,570.76	4.91	166.50	69.785	674.73	1,832.35	1,952.63	1,781.22	171.41	11.391	
1,700.00	1,700.00	1,670.76	1,670.76	5.08	177.10	69.785	674.73	1,832.35	1,952.63	1,770.45	182.18	10.718	
1,800.00	1,800.00	1,770.76	1,770.76	5.24	187.70	69.785	674.73	1,832.35	1,952.63	1,759.69	192.94	10.120	
1,900.00	1,900.00	1,870.76	1,870.76	5.40	198.30	69.785	674.73	1,832.35	1,952.63	1,748.93	203.70	9.586	
2,000.00	2,000.00	1,970.76	1,970.76	5.56	208.90	69.785	674.73	1,832.35	1,952.63	1,738.17	214.46	9.105	
2,100.00	2,099.98	2,070.74	2,070.74	5.78	219.50	-80.519	674.73	1,832.35	1,952.34	1,727.15	225.19	8.670	
2,200.00	2,199.84	2,170.60	2,170.60	5.99	230.08	-80.687	674.73	1,832.35	1,951.49	1,715.60	235.88	8.273	
2,300.00	2,299.45	2,270.21	2,270.21	6.21	240.64	-80.966	674.73	1,832.35	1,950.09	1,703.54	246.55	7.909	
2,400.00	2,398.70	2,369.46	2,369.46	6.46	251.16	-81.355	674.73	1,832.35	1,948.21	1,691.02	257.18	7.575	
2,500.00	2,497.47	2,468.23	2,468.23	6.73	261.63	-81.850	674.73	1,832.35	1,945.89	1,678.13	267.77	7.267	
2,600.00	2,595.62	2,566.38	2,566.38	7.02	272.04	-82.450	674.73	1,832.35	1,943.24	1,664.95	278.29	6.983	
2,700.00	2,693.06	2,663.82	2,663.82	7.33	282.36	-83.149	674.73	1,832.35	1,940.35	1,651.61	288.74	6.720	
2,800.00	2,790.00	2,760.76	2,760.76	7.62	292.64	-83.854	674.73	1,832.35	1,937.48	1,638.31	299.17	6.476	
2,900.00	2,886.93	2,857.69	2,857.69	7.91	302.92	-84.555	674.73	1,832.35	1,934.93	1,625.34	309.59	6.250	
3,000.00	2,983.87	2,954.63	2,954.63	8.21	313.19	-85.258	674.73	1,832.35	1,932.68	1,612.67	320.01	6.039	
3,100.00	3,080.81	3,051.57	3,051.57	8.54	323.47	-85.963	674.73	1,832.35	1,930.74	1,600.30	330.43	5.843	
3,200.00	3,177.74	3,148.50	3,148.50	8.88	333.74	-86.668	674.73	1,832.35	1,929.11	1,588.24	340.87	5.659	
3,300.00	3,274.68	3,245.44	3,245.44	9.23	344.02	-87.375	674.73	1,832.35	1,927.79	1,576.49	351.31	5.487	
3,400.00	3,371.61	3,342.37	3,342.37	9.60	354.29	-88.082	674.73	1,832.35	1,926.79	1,565.04	361.75	5.326	
3,500.00	3,468.55	3,439.31	3,439.31	9.97	364.57	-88.790	674.73	1,832.35	1,926.10	1,553.89	372.20	5.175	
3,600.00	3,565.49	3,536.25	3,536.25	10.36	374.84	-89.498	674.73	1,832.35	1,925.72	1,543.06	382.66	5.032	
3,670.83	3,634.14	3,604.90	3,604.90	10.64	382.12	-90.000	674.73	1,832.35	1,925.64	1,535.57	390.07	4.937 CC	
3,700.00	3,662.42	3,633.18	3,633.18	10.75	385.12	-90.207	674.73	1,832.35	1,925.65	1,532.53	393.12	4.898	
3,800.00	3,759.36	3,730.12	3,730.12	11.16	395.39	-90.915	674.73	1,832.35	1,925.90	1,522.31	403.59	4.772	
3,900.00	3,856.30	3,827.06	3,827.06	11.57	405.67	-91.623	674.73	1,832.35	1,926.46	1,512.40	414.06	4.653	
4,000.00	3,953.23	3,923.99	3,923.99	11.98	415.94	-92.331	674.73	1,832.35	1,927.34	1,502.80	424.54	4.540	
4,100.00	4,050.17	4,020.93	4,020.93	12.40	426.22	-93.038	674.73	1,832.35	1,928.52	1,493.50	435.02	4.433	
4,200.00	4,147.11	4,117.87	4,117.87	12.83	436.49	-93.744	674.73	1,832.35	1,930.02	1,484.52	445.51	4.332	
4,300.00	4,244.04	4,214.80	4,214.80	13.26	446.77	-94.448	674.73	1,832.35	1,931.83	1,475.83	456.00	4.236	
4,400.00	4,340.98	4,311.74	4,311.74	13.70	457.04	-95.152	674.73	1,832.35	1,933.95	1,467.45	466.50	4.146	
4,500.00	4,437.91	4,408.67	4,408.67	14.14	467.32	-95.854	674.73	1,832.35	1,936.38	1,459.38	477.00	4.059	
4,600.00	4,534.85	4,505.61	4,505.61	14.58	477.59	-96.554	674.73	1,832.35	1,939.12	1,451.61	487.51	3.978	
4,700.00	4,631.79	4,602.55	4,602.55	15.02	487.87	-97.252	674.73	1,832.35	1,942.16	1,444.14	498.03	3.900	
4,800.00	4,728.72	4,699.48	4,699.48	15.47	498.15	-97.948	674.73	1,832.35	1,945.51	1,436.97	508.55	3.826	
4,900.00	4,825.66	4,796.42	4,796.42	15.92	508.42	-98.642	674.73	1,832.35	1,949.17	1,430.09	519.07	3.755	
5,000.00	4,922.60	4,893.36	4,893.36	16.38	518.70	-99.333	674.73	1,832.35	1,953.12	1,423.52	529.60	3.688	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.00	5,019.53	4,990.29	4,990.29	16.83	528.97	-100.022	674.73	1,832.35	1,957.38	1,417.23	540.14	3.624	
5,200.00	5,116.47	5,087.23	5,087.23	17.29	539.25	-100.707	674.73	1,832.35	1,961.93	1,411.24	550.69	3.563	
5,300.00	5,213.41	5,184.17	5,184.17	17.75	549.52	-101.390	674.73	1,832.35	1,966.78	1,405.54	561.24	3.504	
5,400.00	5,310.34	5,281.10	5,281.10	18.21	559.80	-102.069	674.73	1,832.35	1,971.93	1,400.13	571.80	3.449	
5,500.00	5,407.28	5,378.04	5,378.04	18.68	570.07	-102.745	674.73	1,832.35	1,977.36	1,395.00	582.36	3.395	
5,600.00	5,504.22	5,474.98	5,474.98	19.14	580.35	-103.417	674.73	1,832.35	1,983.09	1,390.16	592.93	3.345 ES, SF	
5,700.00	5,601.15	5,482.00	5,482.00	19.61	581.09	-103.465	674.73	1,832.35	1,991.13	1,397.82	593.32	3.356	
5,800.00	5,698.09	5,482.00	5,482.00	20.08	581.09	-103.465	674.73	1,832.35	2,004.13	1,412.54	591.59	3.388	
5,900.00	5,795.02	5,482.00	5,482.00	20.55	581.09	-103.465	674.73	1,832.35	2,021.99	1,433.42	588.57	3.435	
6,000.00	5,891.96	5,482.00	5,482.00	21.02	581.09	-103.465	674.73	1,832.35	2,044.59	1,460.26	584.33	3.499	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	4.87	4.87	0.00	0.04	-8.578	316.62	-47.76	320.20				
100.00	100.00	104.87	104.87	0.79	0.82	-8.578	316.62	-47.76	320.20	318.60	1.60	199.694	
200.00	200.00	204.87	204.87	1.45	1.47	-8.578	316.62	-47.76	320.20	317.29	2.91	109.888	
300.00	300.00	304.87	304.87	1.89	1.91	-8.578	316.62	-47.76	320.20	316.40	3.80	84.241	
400.00	400.00	404.87	404.87	2.25	2.27	-8.578	316.62	-47.76	320.20	315.68	4.52	70.800	
500.00	500.00	504.87	504.87	2.57	2.58	-8.578	316.62	-47.76	320.20	315.05	5.15	62.186	
600.00	600.00	604.87	604.87	2.85	2.86	-8.578	316.62	-47.76	320.20	314.49	5.71	56.060	
700.00	700.00	704.87	704.87	3.11	3.12	-8.578	316.62	-47.76	320.20	313.97	6.23	51.413	
800.00	800.00	804.87	804.87	3.35	3.36	-8.578	316.62	-47.76	320.20	313.49	6.71	47.730	
900.00	900.00	904.87	904.87	3.58	3.59	-8.578	316.62	-47.76	320.20	313.04	7.16	44.716	
1,000.00	1,000.00	1,004.87	1,004.87	3.79	3.80	-8.578	316.62	-47.76	320.20	312.61	7.59	42.190	
1,100.00	1,100.00	1,104.87	1,104.87	3.99	4.00	-8.578	316.62	-47.76	320.20	312.20	8.00	40.033	
1,200.00	1,200.00	1,204.87	1,204.87	4.19	4.20	-8.578	316.62	-47.76	320.20	311.81	8.39	38.161	
1,300.00	1,300.00	1,304.87	1,304.87	4.38	4.39	-8.578	316.62	-47.76	320.20	311.43	8.77	36.517	
1,400.00	1,400.00	1,404.87	1,404.87	4.56	4.57	-8.578	316.62	-47.76	320.20	311.07	9.13	35.057	
1,500.00	1,500.00	1,504.87	1,504.87	4.74	4.75	-8.578	316.62	-47.76	320.20	310.71	9.49	33.749	
1,600.00	1,600.00	1,604.87	1,604.87	4.91	4.92	-8.578	316.62	-47.76	320.20	310.37	9.83	32.569	
1,700.00	1,700.00	1,704.87	1,704.87	5.08	5.09	-8.578	316.62	-47.76	320.20	310.04	10.17	31.496	
1,800.00	1,800.00	1,804.87	1,804.87	5.24	5.25	-8.578	316.62	-47.76	320.20	309.71	10.49	30.516	
1,900.00	1,900.00	1,904.87	1,904.87	5.40	5.41	-8.578	316.62	-47.76	320.20	309.39	10.81	29.615	
2,000.00	2,000.00	2,004.87	2,004.87	5.56	5.57	-8.578	316.62	-47.76	320.20	309.08	11.12	28.783 CC, ES	
2,100.00	2,099.98	2,104.85	2,104.85	5.78	5.72	-158.926	316.62	-47.76	321.83	310.34	11.49	28.017	
2,200.00	2,199.84	2,204.71	2,204.71	5.99	5.87	-159.221	316.62	-47.76	326.72	314.89	11.83	27.609	
2,300.00	2,299.45	2,304.32	2,304.32	6.21	6.02	-159.693	316.62	-47.76	334.88	322.69	12.19	27.461	
2,400.00	2,398.70	2,403.57	2,403.57	6.46	6.16	-160.314	316.62	-47.76	346.35	333.77	12.57	27.544	
2,500.00	2,497.47	2,502.34	2,502.34	6.73	6.30	-161.053	316.62	-47.76	361.13	348.15	12.97	27.835	
2,600.00	2,595.62	2,600.49	2,600.49	7.02	6.44	-161.873	316.62	-47.76	379.25	365.86	13.39	28.313	
2,700.00	2,693.06	2,697.93	2,697.93	7.33	6.57	-162.741	316.62	-47.76	400.73	386.90	13.84	28.962	
2,800.00	2,790.00	2,794.87	2,794.87	7.62	6.71	-163.707	316.62	-47.76	424.29	410.03	14.26	29.759	
2,900.00	2,886.93	2,891.80	2,891.80	7.91	6.84	-164.587	316.62	-47.76	447.97	433.30	14.68	30.526	
3,000.00	2,983.87	2,988.74	2,988.74	8.21	6.97	-165.378	316.62	-47.76	471.75	456.64	15.11	31.219	
3,100.00	3,080.81	3,085.68	3,085.68	8.54	7.10	-166.094	316.62	-47.76	495.60	480.03	15.56	31.846	
3,200.00	3,177.74	3,182.61	3,182.61	8.88	7.22	-166.744	316.62	-47.76	519.51	503.48	16.03	32.413	
3,300.00	3,274.68	3,279.55	3,279.55	9.23	7.35	-167.337	316.62	-47.76	543.49	526.98	16.51	32.927	
3,400.00	3,371.61	3,376.48	3,376.48	9.60	7.47	-167.880	316.62	-47.76	567.51	550.52	17.00	33.393	
3,500.00	3,468.55	3,473.42	3,473.42	9.97	7.60	-168.379	316.62	-47.76	591.58	574.09	17.49	33.816	
3,600.00	3,565.49	3,575.43	3,575.42	10.36	7.76	-168.771	316.63	-46.77	615.40	597.39	18.01	34.169	
3,700.00	3,662.42	3,679.97	3,679.86	10.75	7.94	-168.824	316.68	-42.11	638.16	619.64	18.53	34.447	
3,800.00	3,759.36	3,784.97	3,784.51	11.16	8.13	-168.550	316.77	-33.60	659.82	640.77	19.04	34.648	
3,900.00	3,856.30	3,890.15	3,888.95	11.57	8.34	-167.978	316.91	-21.24	680.39	660.83	19.56	34.777	
4,000.00	3,953.23	3,995.23	3,992.77	11.98	8.58	-167.136	317.08	-5.06	699.99	679.90	20.09	34.848	
4,100.00	4,050.17	4,099.92	4,095.55	12.40	8.83	-166.049	317.30	14.82	718.72	698.11	20.61	34.876	
4,200.00	4,147.11	4,201.98	4,195.01	12.83	9.03	-164.778	317.54	37.67	736.81	715.73	21.08	34.952	
4,300.00	4,244.04	4,299.03	4,289.40	13.26	9.25	-163.561	317.79	60.27	755.00	733.41	21.59	34.973	
4,400.00	4,340.98	4,396.09	4,383.78	13.70	9.49	-162.400	318.03	82.87	773.52	751.42	22.10	35.008	
4,500.00	4,437.91	4,493.15	4,478.17	14.14	9.75	-161.293	318.27	105.47	792.33	769.73	22.61	35.051	
4,600.00	4,534.85	4,590.20	4,572.56	14.58	10.02	-160.236	318.52	128.07	811.43	788.31	23.12	35.100	
4,700.00	4,631.79	4,687.26	4,666.95	15.02	10.31	-159.227	318.76	150.68	830.78	807.15	23.63	35.155	
4,800.00	4,728.72	4,784.32	4,761.33	15.47	10.61	-158.264	319.01	173.28	850.37	826.23	24.15	35.214	
4,900.00	4,825.66	4,881.37	4,855.72	15.92	10.93	-157.343	319.25	195.88	870.20	845.53	24.67	35.276	
5,000.00	4,922.60	4,978.43	4,950.11	16.38	11.25	-156.463	319.49	218.48	890.23	865.04	25.19	35.342	
5,100.00	5,019.53	5,075.48	5,044.50	16.83	11.59	-155.621	319.74	241.08	910.45	884.74	25.71	35.409	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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)		
5,200.00	5,116.47	5,172.54	5,138.89	17.29	11.93	-154.815	319.98	263.68	930.87	904.63	26.24	35.478	
5,300.00	5,213.41	5,269.60	5,233.27	17.75	12.28	-154.043	320.22	286.28	951.45	924.68	26.77	35.547	
5,400.00	5,310.34	5,366.65	5,327.66	18.21	12.64	-153.304	320.47	308.88	972.19	944.90	27.30	35.617	
5,500.00	5,407.28	5,463.71	5,422.05	18.68	13.01	-152.595	320.71	331.48	993.09	965.26	27.83	35.687	
5,600.00	5,504.22	5,560.76	5,516.44	19.14	13.39	-151.915	320.96	354.08	1,014.12	985.76	28.36	35.756	
5,700.00	5,601.15	5,657.82	5,610.82	19.61	13.77	-151.262	321.20	376.68	1,035.29	1,006.39	28.90	35.825	
5,800.00	5,698.09	5,754.88	5,705.21	20.08	14.15	-150.635	321.44	399.28	1,056.59	1,027.15	29.44	35.892	
5,900.00	5,795.02	5,851.93	5,799.60	20.55	14.55	-150.033	321.69	421.88	1,078.00	1,048.02	29.98	35.958	
6,000.00	5,891.96	5,948.99	5,893.99	21.02	14.94	-149.454	321.93	444.49	1,099.52	1,069.00	30.52	36.022	
6,100.00	5,988.90	6,046.04	5,988.37	21.49	15.34	-148.897	322.18	467.09	1,121.15	1,090.08	31.07	36.085	
6,200.00	6,085.83	6,143.10	6,082.76	21.96	15.75	-148.361	322.42	489.69	1,142.87	1,111.25	31.62	36.145	
6,300.00	6,182.77	6,240.16	6,177.15	22.43	16.16	-147.844	322.66	512.29	1,164.69	1,132.52	32.17	36.204	
6,400.00	6,279.71	6,337.21	6,271.54	22.91	16.57	-147.347	322.91	534.89	1,186.60	1,153.87	32.72	36.261	
6,500.00	6,376.64	6,434.27	6,366.93	23.38	16.98	-146.867	323.15	557.49	1,208.58	1,175.30	33.28	36.316	
6,600.00	6,473.61	6,531.34	6,460.33	23.84	17.40	-146.470	323.40	580.09	1,230.54	1,196.72	33.82	36.383	
6,700.00	6,571.18	6,628.71	6,555.02	24.33	17.83	-146.179	323.64	602.77	1,250.47	1,216.09	34.38	36.373	
6,800.00	6,669.45	6,727.04	6,650.66	24.80	18.26	-145.785	323.89	625.61	1,267.66	1,232.75	34.91	36.311	
6,900.00	6,768.30	6,829.21	6,750.56	25.25	18.72	-145.370	324.12	646.99	1,281.94	1,246.52	35.42	36.194	
7,000.00	6,867.62	6,932.46	6,852.23	25.67	19.17	-145.001	324.31	664.96	1,293.14	1,257.25	35.90	36.024	
7,100.00	6,967.29	7,036.61	6,955.38	26.06	19.61	-144.673	324.47	679.36	1,301.22	1,264.88	36.34	35.811	
7,200.00	7,067.18	7,141.47	7,059.68	26.40	20.02	-144.386	324.58	690.07	1,306.12	1,269.40	36.72	35.567	
7,300.00	7,167.16	7,246.82	7,164.79	26.54	20.40	6.111	324.66	696.97	1,307.85	1,270.91	36.93	35.411	
7,400.00	7,267.16	7,352.49	7,270.42	26.57	20.67	6.243	324.69	700.01	1,308.19	1,271.13	37.06	35.302	
7,500.00	7,367.16	7,454.11	7,372.03	26.59	20.75	6.250	324.69	700.16	1,308.20	1,271.04	37.16	35.204	
7,600.00	7,467.16	7,554.11	7,472.03	26.61	20.80	6.250	324.69	700.16	1,308.20	1,270.93	37.27	35.101	
7,700.00	7,567.16	7,654.11	7,572.03	26.63	20.85	6.250	324.69	700.16	1,308.20	1,270.83	37.37	35.004	
7,800.00	7,667.16	7,754.11	7,672.03	26.66	20.90	6.250	324.69	700.16	1,308.20	1,270.73	37.48	34.907	
7,900.00	7,767.16	7,854.11	7,772.03	26.68	20.94	6.250	324.69	700.16	1,308.20	1,270.62	37.58	34.810	
8,000.00	7,867.16	7,954.11	7,872.03	26.70	20.99	6.250	324.69	700.16	1,308.20	1,270.52	37.69	34.713	
8,100.00	7,967.16	8,054.11	7,972.03	26.73	21.04	6.250	324.69	700.16	1,308.20	1,270.41	37.79	34.617	
8,200.00	8,067.16	8,154.11	8,072.03	26.75	21.09	6.250	324.69	700.16	1,308.20	1,270.31	37.90	34.521	
8,300.00	8,167.16	8,254.11	8,172.03	26.77	21.14	6.250	324.69	700.16	1,308.20	1,270.20	38.00	34.425	
8,400.00	8,267.16	8,354.11	8,272.03	26.80	21.19	6.250	324.69	700.16	1,308.20	1,270.10	38.11	34.330	
8,500.00	8,367.16	8,454.11	8,372.03	26.82	21.23	6.250	324.69	700.16	1,308.20	1,269.99	38.21	34.235	
8,600.00	8,467.16	8,554.11	8,472.03	26.85	21.28	6.250	324.69	700.16	1,308.20	1,269.88	38.32	34.140	
8,700.00	8,567.16	8,654.11	8,572.03	26.87	21.33	6.250	324.69	700.16	1,308.20	1,269.78	38.43	34.045	
8,800.00	8,667.16	8,754.11	8,672.03	26.90	21.38	6.250	324.69	700.16	1,308.20	1,269.67	38.53	33.951	
8,900.00	8,767.16	8,854.11	8,772.03	26.92	21.42	6.250	324.69	700.16	1,308.20	1,269.56	38.64	33.854	
9,000.00	8,867.16	8,954.11	8,854.28	26.95	21.64	6.422	324.70	704.12	1,308.77	1,270.11	38.66	33.849	
9,100.00	8,967.16	9,054.11	8,929.76	26.98	22.01	7.035	324.75	718.22	1,311.03	1,272.36	38.67	33.904	
9,200.00	9,067.16	9,154.11	9,031.10	27.00	22.39	7.997	324.81	740.45	1,315.40	1,276.73	38.67	34.013	
9,300.00	9,167.16	9,254.11	9,106.81	27.03	22.74	9.168	324.89	767.65	1,322.49	1,283.81	38.67	34.195	
9,400.00	9,267.16	9,354.11	9,107.37	27.05	23.06	10.468	324.98	798.07	1,332.95	1,294.25	38.70	34.447	
9,500.00	9,367.16	9,454.11	9,148.57	27.08	23.32	11.763	325.07	828.62	1,347.38	1,308.66	38.72	34.800	
9,600.00	9,467.16	9,554.11	9,178.45	27.11	23.52	12.858	325.15	854.69	1,366.27	1,327.56	38.71	35.294	
9,700.00	9,567.16	9,654.11	9,213.42	27.13	23.76	14.343	325.26	890.40	1,389.91	1,351.10	38.81	35.810	
9,800.00	9,667.16	9,754.11	9,232.55	27.15	23.89	-72.784	325.33	912.85	1,417.48	1,378.67	38.81	36.527	
9,900.00	9,767.16	9,854.11	9,254.69	27.17	24.04	-69.118	325.41	942.09	1,445.07	1,406.17	38.89	37.156	
10,000.00	9,867.16	9,954.11	9,273.41	27.19	24.17	-65.892	325.50	970.25	1,471.07	1,432.04	39.04	37.683	
10,100.00	9,967.16	10,054.11	9,292.95	27.21	24.35	-62.876	325.63	1,013.79	1,494.34	1,454.92	39.42	37.911	
10,200.00	10,067.16	10,154.11	9,311.95	27.23	24.44	-60.698	325.72	1,043.45	1,513.84	1,474.08	39.76	38.076	
10,300.00	10,167.16	10,254.11	9,326.76	27.25	24.55	-58.997	325.83	1,080.80	1,528.90	1,488.62	40.28	37.957	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
10,400.00	10,127.53	9,600.00	9,335.22	29.03	24.62	-57.946	325.90	1,106.45	1,539.07	1,498.27	40.81	37.718	
10,418.85	10,134.76	9,621.16	9,341.00	29.11	24.66	-57.752	325.96	1,126.81	1,540.22	1,499.12	41.10	37.476	
10,500.00	10,159.20	9,650.00	9,347.66	29.42	24.71	-57.393	326.05	1,154.86	1,543.58	1,501.86	41.72	36.997	
10,600.00	10,173.94	9,700.00	9,355.84	29.88	24.78	-57.497	326.19	1,204.17	1,542.68	1,499.87	42.81	36.036	
10,629.25	10,175.46	9,700.00	9,355.84	30.04	24.78	-57.528	326.19	1,204.17	1,541.64	1,498.64	43.00	35.851	
10,700.00	10,175.00	9,750.00	9,359.68	30.43	24.82	-57.752	326.34	1,254.01	1,538.36	1,494.34	44.03	34.943	
10,731.03	10,175.00	9,750.00	9,359.68	30.64	24.82	-57.752	326.34	1,254.01	1,537.42	1,493.16	44.26	34.735	
10,783.35	10,175.00	9,771.28	9,360.00	31.01	24.83	-57.762	326.41	1,275.29	1,536.94	1,492.06	44.88	34.245	
10,800.00	10,175.00	9,787.94	9,360.00	31.13	24.83	-57.762	326.46	1,291.94	1,536.94	1,491.75	45.19	34.013	
10,823.32	10,175.00	9,811.25	9,360.00	31.32	24.84	-57.762	326.53	1,315.26	1,536.94	1,491.29	45.65	33.671	
10,900.00	10,175.00	9,887.94	9,360.00	31.97	24.86	-57.762	326.75	1,391.94	1,536.94	1,489.75	47.19	32.570	
10,923.32	10,175.00	9,911.25	9,360.00	32.20	24.87	-57.762	326.82	1,415.26	1,536.94	1,489.25	47.69	32.228	
11,000.00	10,175.00	9,987.94	9,360.00	32.96	24.92	-57.762	327.05	1,491.94	1,536.94	1,487.57	49.37	31.132	
11,023.32	10,175.00	10,011.25	9,360.00	33.21	24.98	-57.762	327.12	1,515.26	1,536.94	1,487.03	49.91	30.796	
11,100.00	10,175.00	10,087.94	9,360.00	34.07	25.99	-57.762	327.35	1,591.94	1,536.94	1,485.23	51.70	29.725	
11,123.32	10,175.00	10,111.25	9,360.00	34.35	26.38	-57.762	327.42	1,615.26	1,536.94	1,484.66	52.28	29.400	
11,200.00	10,175.00	10,187.94	9,360.00	35.30	27.68	-57.762	327.65	1,691.94	1,536.94	1,482.76	54.18	28.369	
11,223.32	10,175.00	10,211.25	9,360.00	35.61	28.08	-57.762	327.72	1,715.26	1,536.94	1,482.16	54.78	28.058	
11,300.00	10,175.00	10,287.94	9,360.00	36.63	29.42	-57.762	327.95	1,791.94	1,536.94	1,480.17	56.77	27.074	
11,323.32	10,175.00	10,311.25	9,360.00	36.95	29.83	-57.762	328.02	1,815.26	1,536.94	1,479.54	57.39	26.779	
11,400.00	10,175.00	10,387.94	9,360.00	38.04	31.21	-57.762	328.25	1,891.94	1,536.94	1,477.47	59.46	25.846	
11,423.32	10,175.00	10,411.25	9,360.00	38.39	31.63	-57.762	328.31	1,915.26	1,536.94	1,476.83	60.11	25.568	
11,500.00	10,175.00	10,487.94	9,360.00	39.53	33.02	-57.762	328.54	1,991.94	1,536.94	1,474.69	62.25	24.690	
11,523.32	10,175.00	10,511.25	9,360.00	39.89	33.45	-57.762	328.61	2,015.26	1,536.94	1,474.02	62.92	24.428	
11,600.00	10,175.00	10,587.94	9,360.00	41.08	34.87	-57.762	328.84	2,091.94	1,536.94	1,471.82	65.12	23.603	
11,623.32	10,175.00	10,611.25	9,360.00	41.45	35.31	-57.762	328.91	2,115.26	1,536.94	1,471.14	65.80	23.358	
11,700.00	10,175.00	10,687.94	9,360.00	42.68	36.74	-57.762	329.14	2,191.94	1,536.94	1,468.89	68.05	22.585	
11,723.32	10,175.00	10,711.25	9,360.00	43.06	37.18	-57.762	329.21	2,215.26	1,536.94	1,468.19	68.75	22.356	
11,800.00	10,175.00	10,787.94	9,360.00	44.33	38.63	-57.762	329.44	2,291.94	1,536.94	1,465.89	71.05	21.633	
11,823.32	10,175.00	10,811.25	9,360.00	44.72	39.08	-57.762	329.51	2,315.25	1,536.94	1,465.18	71.76	21.419	
11,900.00	10,175.00	10,887.94	9,360.00	46.02	40.54	-57.762	329.74	2,391.94	1,536.94	1,462.84	74.10	20.743	
11,923.32	10,175.00	10,911.25	9,360.00	46.42	40.99	-57.762	329.81	2,415.25	1,536.94	1,462.12	74.82	20.543	
12,000.00	10,175.00	10,987.94	9,360.00	47.74	42.47	-57.762	330.03	2,491.94	1,536.94	1,459.75	77.19	19.910	
12,023.32	10,175.00	11,011.25	9,360.00	48.15	42.92	-57.762	330.10	2,515.25	1,536.94	1,459.01	77.92	19.724	
12,100.00	10,175.00	11,087.94	9,360.00	49.50	44.40	-57.762	330.33	2,591.94	1,536.94	1,456.61	80.33	19.132	
12,123.32	10,175.00	11,111.25	9,360.00	49.91	44.86	-57.762	330.40	2,615.25	1,536.94	1,455.87	81.07	18.958	
12,200.00	10,175.00	11,187.94	9,360.00	51.28	46.35	-57.762	330.63	2,691.94	1,536.94	1,453.43	83.51	18.405	
12,223.32	10,175.00	11,211.25	9,360.00	51.70	46.81	-57.762	330.70	2,715.25	1,536.94	1,452.68	84.26	18.241	
12,300.00	10,175.00	11,287.94	9,360.00	53.08	48.31	-57.762	330.93	2,791.94	1,536.94	1,450.22	86.72	17.723	
12,323.32	10,175.00	11,311.25	9,360.00	53.50	48.77	-57.762	331.00	2,815.25	1,536.94	1,449.47	87.47	17.570	
12,400.00	10,175.00	11,387.94	9,360.00	54.90	50.28	-57.762	331.23	2,891.93	1,536.94	1,446.98	89.96	17.085	
12,423.32	10,175.00	11,411.25	9,360.00	55.33	50.74	-57.762	331.30	2,915.25	1,536.94	1,446.22	90.72	16.942	
12,500.00	10,175.00	11,487.94	9,360.00	56.74	52.25	-57.762	331.53	2,991.93	1,536.94	1,443.71	93.22	16.486	
12,523.32	10,175.00	11,511.25	9,360.00	57.18	52.72	-57.762	331.60	3,015.25	1,536.94	1,442.95	93.99	16.352	
12,600.00	10,175.00	11,587.94	9,360.00	58.60	54.24	-57.762	331.82	3,091.93	1,536.94	1,440.42	96.52	15.924	
12,623.32	10,175.00	11,611.25	9,360.00	59.04	54.70	-57.762	331.89	3,115.25	1,536.94	1,439.65	97.29	15.798	
12,700.00	10,175.00	11,687.94	9,360.00	60.47	56.23	-57.762	332.12	3,191.93	1,536.94	1,437.11	99.83	15.396	
12,723.32	10,175.00	11,711.25	9,360.00	60.91	56.69	-57.762	332.19	3,215.25	1,536.94	1,436.33	100.60	15.277	
12,800.00	10,175.00	11,787.94	9,360.00	62.36	58.22	-57.762	332.42	3,291.93	1,536.94	1,433.78	103.16	14.899	
12,823.32	10,175.00	11,811.25	9,360.00	62.80	58.69	-57.762	332.49	3,315.25	1,536.94	1,433.00	103.94	14.787	
12,900.00	10,175.00	11,887.94	9,360.00	64.26	60.22	-57.762	332.72	3,391.93	1,536.94	1,430.43	106.51	14.430	
12,923.32	10,175.00	11,911.25	9,360.00	64.70	60.69	-57.762	332.79	3,415.25	1,536.94	1,429.65	107.29	14.325	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
13,000.00	10,175.00	11,987.94	9,360.00	66.16	62.22	-57.762	333.02	3,491.93	1,536.94	1,427.06	109.87	13.988	
13,023.32	10,175.00	12,011.25	9,360.00	66.61	62.69	-57.762	333.09	3,515.25	1,536.94	1,426.28	110.66	13.889	
13,100.00	10,175.00	12,087.94	9,360.00	68.08	64.23	-57.762	333.31	3,591.93	1,536.94	1,423.68	113.25	13.571	
13,123.32	10,175.00	12,111.25	9,360.00	68.53	64.70	-57.762	333.38	3,615.25	1,536.94	1,422.89	114.05	13.477	
13,200.00	10,175.00	12,187.94	9,360.00	70.01	66.24	-57.762	333.61	3,691.93	1,536.94	1,420.29	116.65	13.176	
13,223.32	10,175.00	12,211.25	9,360.00	70.46	66.71	-57.762	333.68	3,715.25	1,536.94	1,419.50	117.44	13.087	
13,300.00	10,175.00	12,287.94	9,360.00	71.94	68.26	-57.762	333.91	3,791.93	1,536.94	1,416.88	120.05	12.802	
13,323.32	10,175.00	12,311.25	9,360.00	72.40	68.73	-57.762	333.98	3,815.25	1,536.94	1,416.09	120.85	12.718	
13,400.00	10,175.00	12,387.94	9,360.00	73.89	70.28	-57.762	334.21	3,891.93	1,536.94	1,413.47	123.47	12.448	
13,423.32	10,175.00	12,411.25	9,360.00	74.34	70.75	-57.762	334.28	3,915.25	1,536.94	1,412.67	124.27	12.368	
13,500.00	10,175.00	12,487.94	9,360.00	75.83	72.30	-57.762	334.51	3,991.93	1,536.94	1,410.04	126.90	12.111	
13,523.32	10,175.00	12,511.25	9,360.00	76.29	72.77	-57.762	334.58	4,015.25	1,536.94	1,409.24	127.70	12.035	
13,600.00	10,175.00	12,587.94	9,360.00	77.79	74.32	-57.762	334.81	4,091.93	1,536.94	1,406.60	130.34	11.792	
13,623.32	10,175.00	12,611.25	9,360.00	78.25	74.79	-57.762	334.88	4,115.25	1,536.94	1,405.80	131.14	11.720	
13,700.00	10,175.00	12,687.94	9,360.00	79.75	76.35	-57.762	335.10	4,191.93	1,536.94	1,403.15	133.78	11.488	
13,723.32	10,175.00	12,711.25	9,360.00	80.21	76.82	-57.762	335.17	4,215.25	1,536.94	1,402.35	134.59	11.419	
13,800.00	10,175.00	12,787.94	9,360.00	81.72	78.38	-57.762	335.40	4,291.93	1,536.94	1,399.70	137.24	11.199	
13,823.32	10,175.00	12,811.25	9,360.00	82.18	78.85	-57.762	335.47	4,315.25	1,536.94	1,398.89	138.05	11.134	
13,900.00	10,175.00	12,887.94	9,360.00	83.69	80.41	-57.762	335.70	4,391.93	1,536.94	1,396.24	140.70	10.923	
13,923.32	10,175.00	12,911.25	9,360.00	84.15	80.88	-57.762	335.77	4,415.25	1,536.94	1,395.43	141.51	10.861	
14,000.00	10,175.00	12,987.94	9,360.00	85.67	82.44	-57.762	336.00	4,491.93	1,536.94	1,392.77	144.17	10.661	
14,023.32	10,175.00	13,011.25	9,360.00	86.13	82.91	-57.762	336.07	4,515.25	1,536.94	1,391.96	144.98	10.601	
14,100.00	10,175.00	13,087.94	9,360.00	87.65	84.47	-57.762	336.30	4,591.93	1,536.94	1,389.29	147.65	10.410	
14,123.32	10,175.00	13,111.25	9,360.00	88.11	84.95	-57.762	336.37	4,615.24	1,536.94	1,388.48	148.46	10.353	
14,200.00	10,175.00	13,187.94	9,360.00	89.63	86.51	-57.762	336.60	4,691.93	1,536.94	1,385.81	151.13	10.170	
14,223.32	10,175.00	13,211.25	9,360.00	90.10	86.98	-57.762	336.66	4,715.24	1,536.94	1,385.00	151.94	10.115	
14,300.00	10,175.00	13,287.94	9,360.00	91.62	88.55	-57.762	336.89	4,791.93	1,536.94	1,382.32	154.61	9.940	
14,323.32	10,175.00	13,311.25	9,360.00	92.09	89.02	-57.762	336.96	4,815.24	1,536.94	1,381.51	155.43	9.888	
14,400.00	10,175.00	13,387.94	9,360.00	93.61	90.59	-57.762	337.19	4,891.93	1,536.94	1,378.83	158.11	9.721	
14,423.32	10,175.00	13,411.25	9,360.00	94.08	91.06	-57.762	337.26	4,915.24	1,536.94	1,378.02	158.92	9.671	
14,500.00	10,175.00	13,487.94	9,360.00	95.61	92.63	-57.762	337.49	4,991.93	1,536.94	1,375.33	161.61	9.510	
14,523.32	10,175.00	13,511.25	9,360.00	96.07	93.10	-57.762	337.56	5,015.24	1,536.94	1,374.52	162.42	9.463	
14,600.00	10,175.00	13,587.94	9,360.00	97.61	94.67	-57.762	337.79	5,091.93	1,536.94	1,371.83	165.11	9.309	
14,623.32	10,175.00	13,611.25	9,360.00	98.07	95.14	-57.762	337.86	5,115.24	1,536.94	1,371.01	165.93	9.263	
14,700.00	10,175.00	13,687.94	9,360.00	99.61	96.71	-57.762	338.09	5,191.92	1,536.94	1,368.32	168.61	9.115	
14,723.32	10,175.00	13,711.25	9,360.00	100.08	97.19	-57.762	338.16	5,215.24	1,536.94	1,367.51	169.43	9.071	
14,800.00	10,175.00	13,787.94	9,360.00	101.61	98.75	-57.762	338.38	5,291.92	1,536.94	1,364.81	172.13	8.929	
14,823.32	10,175.00	13,811.25	9,360.00	102.08	99.23	-57.762	338.45	5,315.24	1,536.94	1,363.99	172.94	8.887	
14,900.00	10,175.00	13,887.94	9,360.00	103.62	100.80	-57.762	338.68	5,391.92	1,536.94	1,361.30	175.64	8.751	
14,923.32	10,175.00	13,911.25	9,360.00	104.09	101.28	-57.762	338.75	5,415.24	1,536.94	1,360.48	176.46	8.710	
15,000.00	10,175.00	13,987.94	9,360.00	105.63	102.85	-57.762	338.98	5,491.92	1,536.94	1,357.78	179.16	8.579	
15,023.32	10,175.00	14,011.25	9,360.00	106.10	103.32	-57.762	339.05	5,515.24	1,536.94	1,356.96	179.98	8.540	
15,100.00	10,175.00	14,087.94	9,360.00	107.64	104.89	-57.762	339.28	5,591.92	1,536.94	1,354.26	182.68	8.413	
15,123.32	10,175.00	14,111.25	9,360.00	108.11	105.37	-57.762	339.35	5,615.24	1,536.94	1,353.44	183.50	8.376	
15,200.00	10,175.00	14,187.94	9,360.00	109.65	106.94	-57.762	339.58	5,691.92	1,536.94	1,350.73	186.20	8.254	
15,223.32	10,175.00	14,211.25	9,360.00	110.12	107.42	-57.762	339.65	5,715.24	1,536.94	1,349.91	187.03	8.218	
15,300.00	10,175.00	14,287.94	9,360.00	111.67	108.99	-57.762	339.88	5,791.92	1,536.94	1,347.21	189.73	8.101	
15,323.32	10,175.00	14,311.25	9,360.00	112.14	109.47	-57.762	339.95	5,815.24	1,536.94	1,346.38	190.56	8.066	
15,400.00	10,175.00	14,387.94	9,360.00	113.69	111.04	-57.762	340.17	5,891.92	1,536.94	1,343.68	193.26	7.953	
15,423.32	10,175.00	14,411.25	9,360.00	114.16	111.52	-57.762	340.24	5,915.24	1,536.94	1,342.85	194.09	7.919	
15,500.00	10,175.00	14,487.94	9,360.00	115.71	113.09	-57.762	340.47	5,991.92	1,536.94	1,340.14	196.80	7.810	
15,523.32	10,175.00	14,511.25	9,360.00	116.18	113.57	-57.762	340.54	6,015.24	1,536.94	1,339.32	197.62	7.777	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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)		
15,600.00	10,175.00	14,587.94	9,360.00	117.73	115.14	-57.762	340.77	6,091.92	1,536.94	1,336.61	200.33	7.672	
15,623.32	10,175.00	14,611.25	9,360.00	118.20	115.62	-57.762	340.84	6,115.24	1,536.94	1,335.78	201.16	7.640	
15,700.00	10,175.00	14,687.94	9,360.00	119.75	117.19	-57.762	341.07	6,191.92	1,536.94	1,333.07	203.87	7.539	
15,723.32	10,175.00	14,711.25	9,360.00	120.22	117.67	-57.762	341.14	6,215.24	1,536.94	1,332.24	204.70	7.508	
15,800.00	10,175.00	14,787.94	9,360.00	121.78	119.24	-57.762	341.37	6,291.92	1,536.94	1,329.53	207.41	7.410	
15,823.32	10,175.00	14,811.25	9,360.00	122.25	119.72	-57.762	341.44	6,315.24	1,536.94	1,328.70	208.24	7.381	
15,900.00	10,175.00	14,887.94	9,360.00	123.80	121.29	-57.762	341.66	6,391.92	1,536.94	1,325.98	210.96	7.286	
15,923.32	10,175.00	14,911.25	9,360.00	124.27	121.77	-57.762	341.73	6,415.24	1,536.94	1,325.16	211.78	7.257	
16,000.00	10,175.00	14,987.94	9,360.00	125.83	123.35	-57.762	341.96	6,491.92	1,536.94	1,322.44	214.50	7.165	
16,023.32	10,175.00	15,011.25	9,360.00	126.30	123.83	-57.762	342.03	6,515.24	1,536.94	1,321.61	215.33	7.138	
16,100.00	10,175.00	15,087.94	9,360.00	127.86	125.40	-57.762	342.26	6,591.92	1,536.94	1,318.89	218.05	7.049	
16,123.32	10,175.00	15,111.25	9,360.00	128.33	125.88	-57.762	342.33	6,615.24	1,536.94	1,318.06	218.87	7.022	
16,200.00	10,175.00	15,187.94	9,360.00	129.89	127.46	-57.762	342.56	6,691.92	1,536.94	1,315.34	221.60	6.936	
16,223.32	10,175.00	15,211.25	9,360.00	130.36	127.93	-57.762	342.63	6,715.24	1,536.94	1,314.52	222.42	6.910	
16,300.00	10,175.00	15,287.94	9,360.00	131.92	129.51	-57.762	342.86	6,791.92	1,536.94	1,311.79	225.15	6.826	
16,323.32	10,175.00	15,311.25	9,360.00	132.39	129.99	-57.762	342.93	6,815.24	1,536.94	1,310.96	225.98	6.801	
16,400.00	10,175.00	15,387.94	9,360.00	133.95	131.57	-57.762	343.16	6,891.92	1,536.94	1,308.24	228.70	6.720	
16,423.32	10,175.00	15,411.25	9,360.00	134.43	132.04	-57.762	343.23	6,915.23	1,536.94	1,307.41	229.53	6.696	
16,500.00	10,175.00	15,487.94	9,360.00	135.99	133.62	-57.762	343.45	6,991.92	1,536.94	1,304.69	232.25	6.618	
16,523.32	10,175.00	15,511.25	9,360.00	136.46	134.10	-57.762	343.52	7,015.23	1,536.94	1,303.86	233.08	6.594	
16,600.00	10,175.00	15,587.94	9,360.00	138.02	135.68	-57.762	343.75	7,091.92	1,536.94	1,301.13	235.81	6.518	
16,623.32	10,175.00	15,611.25	9,360.00	138.49	136.16	-57.762	343.82	7,115.23	1,536.94	1,300.30	236.64	6.495	
16,700.00	10,175.00	15,687.94	9,360.00	140.06	137.73	-57.762	344.05	7,191.92	1,536.94	1,297.57	239.37	6.421	
16,723.32	10,175.00	15,711.25	9,360.00	140.53	138.21	-57.762	344.12	7,215.23	1,536.94	1,296.74	240.20	6.399	
16,800.00	10,175.00	15,787.94	9,360.00	142.09	139.79	-57.762	344.35	7,291.92	1,536.94	1,294.01	242.92	6.327	
16,823.32	10,175.00	15,811.25	9,360.00	142.57	140.27	-57.762	344.42	7,315.23	1,536.94	1,293.18	243.75	6.305	
16,900.00	10,175.00	15,887.94	9,360.00	144.13	141.85	-57.762	344.65	7,391.92	1,536.94	1,290.45	246.48	6.235	
16,923.32	10,175.00	15,911.25	9,360.00	144.60	142.33	-57.762	344.72	7,415.23	1,536.94	1,289.62	247.32	6.214	
17,000.00	10,175.00	15,987.94	9,360.00	146.17	143.90	-57.762	344.95	7,491.91	1,536.94	1,286.89	250.05	6.147	
17,023.32	10,175.00	16,011.25	9,360.00	146.64	144.38	-57.762	345.01	7,515.23	1,536.94	1,286.06	250.88	6.126	
17,100.00	10,175.00	16,087.94	9,360.00	148.21	145.96	-57.762	345.24	7,591.91	1,536.94	1,283.33	253.61	6.060	
17,123.32	10,175.00	16,111.25	9,360.00	148.68	146.44	-57.762	345.31	7,615.23	1,536.94	1,282.50	254.44	6.040	
17,200.00	10,175.00	16,187.94	9,360.00	150.25	148.02	-57.762	345.54	7,691.91	1,536.94	1,279.77	257.17	5.976	
17,223.32	10,175.00	16,211.25	9,360.00	150.72	148.50	-57.762	345.61	7,715.23	1,536.94	1,278.94	258.00	5.957	
17,300.00	10,175.00	16,287.94	9,360.00	152.29	150.08	-57.762	345.84	7,791.91	1,536.94	1,276.20	260.74	5.895	
17,323.32	10,175.00	16,311.25	9,360.00	152.76	150.56	-57.762	345.91	7,815.23	1,536.94	1,275.37	261.57	5.876	
17,400.00	10,175.00	16,387.94	9,360.00	154.33	152.14	-57.762	346.14	7,891.91	1,536.94	1,272.64	264.30	5.815	
17,423.32	10,175.00	16,411.25	9,360.00	154.81	152.62	-57.762	346.21	7,915.23	1,536.94	1,271.80	265.13	5.797	
17,500.00	10,175.00	16,487.94	9,360.00	156.37	154.20	-57.762	346.44	7,991.91	1,536.94	1,269.07	267.87	5.738	
17,523.32	10,175.00	16,511.25	9,360.00	156.85	154.68	-57.762	346.51	8,015.23	1,536.94	1,268.24	268.70	5.720	
17,600.00	10,175.00	16,587.94	9,360.00	158.42	156.26	-57.762	346.73	8,091.91	1,536.94	1,265.50	271.44	5.662	
17,623.32	10,175.00	16,611.25	9,360.00	158.89	156.74	-57.762	346.80	8,115.23	1,536.94	1,264.67	272.27	5.645	
17,700.00	10,175.00	16,687.94	9,360.00	160.46	158.31	-57.762	347.03	8,191.91	1,536.94	1,261.93	275.01	5.589	
17,723.32	10,175.00	16,711.25	9,360.00	160.94	158.79	-57.762	347.10	8,215.23	1,536.94	1,261.10	275.84	5.572	
17,800.00	10,175.00	16,787.94	9,360.00	162.50	160.37	-57.762	347.33	8,291.91	1,536.94	1,258.36	278.58	5.517	
17,823.32	10,175.00	16,811.25	9,360.00	162.98	160.85	-57.762	347.40	8,315.23	1,536.94	1,257.53	279.41	5.501	
17,900.00	10,175.00	16,887.94	9,360.00	164.55	162.43	-57.762	347.63	8,391.91	1,536.94	1,254.79	282.15	5.447	
17,923.32	10,175.00	16,911.25	9,360.00	165.03	162.91	-57.762	347.70	8,415.23	1,536.94	1,253.96	282.98	5.431	
18,000.00	10,175.00	16,987.94	9,360.00	166.59	164.49	-57.762	347.93	8,491.91	1,536.94	1,251.22	285.72	5.379	
18,023.32	10,175.00	17,011.25	9,360.00	167.07	164.98	-57.762	348.00	8,515.23	1,536.94	1,250.39	286.55	5.364	
18,100.00	10,175.00	17,087.94	9,360.00	168.64	166.56	-57.762	348.23	8,591.91	1,536.94	1,247.65	289.29	5.313	
18,123.32	10,175.00	17,111.25	9,360.00	169.12	167.04	-57.762	348.29	8,615.23	1,536.94	1,246.81	290.13	5.297	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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)		
18,200.00	10,175.00	17,187.94	9,360.00	170.69	168.62	-57.762	348.52	8,691.91	1,536.94	1,244.07	292.87	5.248	
18,223.32	10,175.00	17,211.25	9,360.00	171.16	169.10	-57.762	348.59	8,715.23	1,536.94	1,243.24	293.70	5.233	
18,300.00	10,175.00	17,287.94	9,360.00	172.73	170.68	-57.762	348.82	8,791.91	1,536.94	1,240.50	296.44	5.185	
18,323.32	10,175.00	17,311.25	9,360.00	173.21	171.16	-57.762	348.89	8,815.23	1,536.94	1,239.67	297.27	5.170	
18,400.00	10,175.00	17,387.94	9,360.00	174.78	172.74	-57.762	349.12	8,891.91	1,536.94	1,236.93	300.01	5.123	
18,423.32	10,175.00	17,411.25	9,360.00	175.26	173.22	-57.762	349.19	8,915.23	1,536.94	1,236.09	300.85	5.109	
18,500.00	10,175.00	17,487.94	9,360.00	176.83	174.80	-57.762	349.42	8,991.91	1,536.94	1,233.35	303.59	5.063	
18,523.32	10,175.00	17,511.25	9,360.00	177.31	175.28	-57.762	349.49	9,015.23	1,536.94	1,232.52	304.42	5.049	
18,600.00	10,175.00	17,587.94	9,360.00	178.88	176.86	-57.762	349.72	9,091.91	1,536.94	1,229.77	307.17	5.004	
18,623.32	10,175.00	17,611.25	9,360.00	179.36	177.34	-57.762	349.79	9,115.22	1,536.94	1,228.94	308.00	4.990	
18,700.00	10,175.00	17,687.94	9,360.00	180.93	178.92	-57.762	350.01	9,191.91	1,536.94	1,226.20	310.74	4.946	
18,723.32	10,175.00	17,711.25	9,360.00	181.41	179.40	-57.762	350.08	9,215.22	1,536.94	1,225.36	311.58	4.933	
18,800.00	10,175.00	17,787.94	9,360.00	182.98	180.98	-57.762	350.31	9,291.91	1,536.94	1,222.62	314.32	4.890	
18,823.32	10,175.00	17,811.25	9,360.00	183.46	181.46	-57.762	350.38	9,315.22	1,536.94	1,221.78	315.16	4.877	
18,900.00	10,175.00	17,887.94	9,360.00	185.03	183.05	-57.762	350.61	9,391.91	1,536.94	1,219.04	317.90	4.835	
18,923.32	10,175.00	17,911.25	9,360.00	185.51	183.53	-57.762	350.68	9,415.22	1,536.94	1,218.21	318.73	4.822	
19,000.00	10,175.00	17,987.94	9,360.00	187.08	185.11	-57.762	350.91	9,491.91	1,536.94	1,215.46	321.48	4.781	
19,023.32	10,175.00	18,011.25	9,360.00	187.56	185.59	-57.762	350.98	9,515.22	1,536.94	1,214.63	322.31	4.768	
19,100.00	10,175.00	18,087.94	9,360.00	189.13	187.17	-57.762	351.21	9,591.91	1,536.94	1,211.88	325.06	4.728	
19,123.32	10,175.00	18,111.25	9,360.00	189.61	187.65	-57.762	351.28	9,615.22	1,536.94	1,211.05	325.89	4.716	
19,200.00	10,175.00	18,187.94	9,360.00	191.18	189.23	-57.762	351.51	9,691.90	1,536.94	1,208.30	328.64	4.677	
19,223.32	10,175.00	18,211.25	9,360.00	191.66	189.71	-57.762	351.58	9,715.22	1,536.94	1,207.47	329.47	4.665	
19,300.00	10,175.00	18,287.94	9,360.00	193.23	191.30	-57.762	351.80	9,791.90	1,536.94	1,204.72	332.22	4.626	
19,323.32	10,175.00	18,311.25	9,360.00	193.71	191.78	-57.762	351.87	9,815.22	1,536.94	1,203.89	333.05	4.615	
19,400.00	10,175.00	18,387.94	9,360.00	195.29	193.36	-57.762	352.10	9,891.90	1,536.94	1,201.14	335.80	4.577	
19,423.32	10,175.00	18,411.25	9,360.00	195.77	193.84	-57.762	352.17	9,915.22	1,536.94	1,200.31	336.64	4.566	
19,500.00	10,175.00	18,487.94	9,360.00	197.34	195.42	-57.762	352.40	9,991.90	1,536.94	1,197.56	339.38	4.529	
19,523.32	10,175.00	18,511.25	9,360.00	197.82	195.90	-57.762	352.47	10,015.22	1,536.94	1,196.72	340.22	4.518	
19,600.00	10,175.00	18,587.94	9,360.00	199.39	197.48	-57.762	352.70	10,091.90	1,536.94	1,193.98	342.96	4.481	
19,623.32	10,175.00	18,611.25	9,360.00	199.87	197.97	-57.762	352.77	10,115.22	1,536.94	1,193.14	343.80	4.470	
19,700.00	10,175.00	18,687.94	9,360.00	201.45	199.55	-57.762	353.00	10,191.90	1,536.94	1,190.39	346.55	4.435	
19,723.32	10,175.00	18,711.25	9,360.00	201.92	200.03	-57.762	353.07	10,215.22	1,536.94	1,189.56	347.38	4.424	
19,800.00	10,175.00	18,787.94	9,360.00	203.50	201.61	-57.762	353.29	10,291.90	1,536.94	1,186.81	350.13	4.390	
19,823.32	10,175.00	18,811.25	9,360.00	203.98	202.09	-57.762	353.36	10,315.22	1,536.94	1,185.98	350.97	4.379	
19,900.00	10,175.00	18,887.94	9,360.00	205.55	203.67	-57.762	353.59	10,391.90	1,536.94	1,183.23	353.71	4.345	
19,923.32	10,175.00	18,911.25	9,360.00	206.03	204.16	-57.762	353.66	10,415.22	1,536.94	1,182.39	354.55	4.335	
20,000.00	10,175.00	18,987.94	9,360.00	207.61	205.74	-57.762	353.89	10,491.90	1,536.94	1,179.64	357.30	4.302	
20,023.32	10,175.00	19,011.25	9,360.00	208.09	206.22	-57.762	353.96	10,515.22	1,536.94	1,178.81	358.13	4.292	
20,100.00	10,175.00	19,087.94	9,360.00	209.66	207.80	-57.762	354.19	10,591.90	1,536.94	1,176.06	360.88	4.259	
20,123.32	10,175.00	19,111.25	9,360.00	210.14	208.28	-57.762	354.26	10,615.22	1,536.94	1,175.22	361.72	4.249	
20,200.00	10,175.00	19,187.94	9,360.00	211.72	209.86	-57.762	354.49	10,691.90	1,536.94	1,172.47	364.47	4.217	
20,223.32	10,175.00	19,211.25	9,360.00	212.20	210.35	-57.762	354.56	10,715.22	1,536.94	1,171.64	365.30	4.207	
20,300.00	10,175.00	19,287.94	9,360.00	213.77	211.93	-57.762	354.79	10,791.90	1,536.94	1,168.89	368.05	4.176	
20,323.32	10,175.00	19,311.25	9,360.00	214.25	212.41	-57.762	354.86	10,815.22	1,536.94	1,168.05	368.89	4.166	
20,400.00	10,175.00	19,387.94	9,360.00	215.83	213.99	-57.762	355.08	10,891.90	1,536.94	1,165.30	371.64	4.136	
20,423.32	10,175.00	19,411.25	9,360.00	216.31	214.47	-57.762	355.15	10,915.22	1,536.94	1,164.47	372.47	4.126	
20,500.00	10,175.00	19,487.94	9,360.00	217.88	216.06	-57.762	355.38	10,991.90	1,536.94	1,161.72	375.22	4.096	
20,523.32	10,175.00	19,511.25	9,360.00	218.36	216.54	-57.762	355.45	11,015.22	1,536.94	1,160.88	376.06	4.087	
20,600.00	10,175.00	19,587.94	9,360.00	219.94	218.12	-57.762	355.68	11,091.90	1,536.94	1,158.13	378.81	4.057	
20,623.32	10,175.00	19,611.25	9,360.00	220.42	218.60	-57.762	355.75	11,115.22	1,536.94	1,157.29	379.65	4.048	
20,700.00	10,175.00	19,687.94	9,360.00	222.00	220.19	-57.762	355.98	11,191.90	1,536.94	1,154.54	382.40	4.019	
20,723.32	10,175.00	19,711.25	9,360.00	222.47	220.67	-57.762	356.05	11,215.22	1,536.94	1,153.71	383.23	4.010	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,800.00	10,175.00	19,787.94	9,360.00	224.05	222.25	-57.762	356.28	11,291.90	1,536.94	1,150.96	385.98	3.982	
20,823.32	10,175.00	19,811.25	9,360.00	224.53	222.73	-57.762	356.35	11,315.22	1,536.94	1,150.12	386.82	3.973	
20,900.00	10,175.00	19,887.94	9,360.00	226.11	224.31	-57.762	356.58	11,391.90	1,536.94	1,147.37	389.57	3.945	
20,923.32	10,175.00	19,911.25	9,360.00	226.59	224.80	-57.762	356.64	11,415.21	1,536.94	1,146.53	390.41	3.937	
21,000.00	10,175.00	19,987.94	9,360.00	228.17	226.38	-57.762	356.87	11,491.90	1,536.94	1,143.78	393.16	3.909	
21,023.32	10,175.00	20,011.25	9,360.00	228.64	226.86	-57.762	356.94	11,515.21	1,536.94	1,142.95	394.00	3.901	
21,100.00	10,175.00	20,087.94	9,360.00	230.22	228.44	-57.762	357.17	11,591.90	1,536.94	1,140.19	396.75	3.874	
21,122.86	10,175.00	20,110.80	9,360.00	230.69	228.91	-57.762	357.24	11,614.76	1,536.94	1,139.37	397.57	3.866	
21,198.07	10,175.00	20,181.28	9,360.00	232.24	230.37	-57.762	357.45	11,685.24	1,536.95	1,136.80	400.15	3.841 SF	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Highside		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	3.86	3.86	0.00	0.03	-8.568	296.88	-44.73	300.23				
100.00	100.00	103.86	103.86	0.79	0.81	-8.568	296.88	-44.73	300.23	298.63	1.60	188.022	
200.00	200.00	203.86	203.86	1.45	1.46	-8.568	296.88	-44.73	300.23	297.32	2.91	103.193	
300.00	300.00	303.86	303.86	1.89	1.91	-8.568	296.88	-44.73	300.23	296.43	3.80	79.063	
400.00	400.00	403.86	403.86	2.25	2.27	-8.568	296.88	-44.73	300.23	295.71	4.52	66.430	
500.00	500.00	503.86	503.86	2.57	2.58	-8.568	296.88	-44.73	300.23	295.08	5.15	58.340	
600.00	600.00	603.86	603.86	2.85	2.86	-8.568	296.88	-44.73	300.23	294.52	5.71	52.587	
700.00	700.00	703.86	703.86	3.11	3.12	-8.568	296.88	-44.73	300.23	294.01	6.23	48.225	
800.00	800.00	803.86	803.86	3.35	3.36	-8.568	296.88	-44.73	300.23	293.52	6.71	44.768	
900.00	900.00	903.86	903.86	3.58	3.58	-8.568	296.88	-44.73	300.23	293.07	7.16	41.940	
1,000.00	1,000.00	1,003.86	1,003.86	3.79	3.80	-8.568	296.88	-44.73	300.23	292.64	7.59	39.570	
1,100.00	1,100.00	1,103.86	1,103.86	3.99	4.00	-8.568	296.88	-44.73	300.23	292.23	8.00	37.545	
1,200.00	1,200.00	1,203.86	1,203.86	4.19	4.20	-8.568	296.88	-44.73	300.23	291.84	8.39	35.789	
1,300.00	1,300.00	1,303.86	1,303.86	4.38	4.39	-8.568	296.88	-44.73	300.23	291.46	8.77	34.246	
1,400.00	1,400.00	1,403.86	1,403.86	4.56	4.57	-8.568	296.88	-44.73	300.23	291.10	9.13	32.877	
1,500.00	1,500.00	1,503.86	1,503.86	4.74	4.75	-8.568	296.88	-44.73	300.23	290.74	9.49	31.650	
1,600.00	1,600.00	1,603.86	1,603.86	4.91	4.92	-8.568	296.88	-44.73	300.23	290.40	9.83	30.543	
1,700.00	1,700.00	1,703.86	1,703.86	5.08	5.09	-8.568	296.88	-44.73	300.23	290.07	10.16	29.537	
1,800.00	1,800.00	1,803.86	1,803.86	5.24	5.25	-8.568	296.88	-44.73	300.23	289.74	10.49	28.617	
1,900.00	1,900.00	1,903.86	1,903.86	5.40	5.41	-8.568	296.88	-44.73	300.23	289.42	10.81	27.772	
2,000.00	2,000.00	2,004.28	2,004.28	5.56	5.57	-8.568	296.88	-44.73	300.23	289.10	11.13	26.985	
2,100.00	2,099.98	2,115.03	2,115.00	5.78	5.81	-158.785	294.89	-43.55	299.93	288.37	11.56	25.951	
2,200.00	2,199.84	2,225.76	2,225.52	5.99	6.04	-158.718	289.23	-40.20	299.29	287.34	11.96	25.033	
2,300.00	2,299.45	2,336.44	2,335.67	6.21	6.30	-158.612	279.90	-34.68	298.34	285.96	12.38	24.100	
2,400.00	2,398.70	2,447.07	2,445.26	6.46	6.59	-158.468	266.92	-27.01	297.06	284.22	12.84	23.142	
2,500.00	2,497.47	2,557.62	2,554.10	6.73	6.90	-158.285	250.32	-17.19	295.45	282.12	13.33	22.165	
2,600.00	2,595.62	2,668.07	2,662.03	7.02	7.23	-158.061	230.14	-5.25	293.54	279.67	13.86	21.174	
2,700.00	2,693.06	2,778.42	2,768.87	7.33	7.59	-157.796	206.41	8.78	291.31	276.87	14.44	20.180	
2,800.00	2,790.00	2,888.56	2,874.38	7.62	7.98	-157.354	179.22	24.86	287.50	272.50	15.00	19.162	
2,900.00	2,886.93	2,992.76	2,973.18	7.91	8.27	-156.646	150.74	41.71	280.76	265.24	15.52	18.094	
3,000.00	2,983.87	3,092.44	3,067.57	8.21	8.60	-155.900	123.15	58.03	273.72	257.59	16.13	16.974	
3,100.00	3,080.81	3,192.13	3,161.97	8.54	8.95	-155.114	95.57	74.34	266.73	249.96	16.76	15.912	
3,200.00	3,177.74	3,291.81	3,256.37	8.88	9.31	-154.286	67.99	90.65	259.78	242.37	17.42	14.914	
3,300.00	3,274.68	3,391.50	3,350.76	9.23	9.69	-153.413	40.41	106.97	252.90	234.81	18.09	13.980	
3,400.00	3,371.61	3,491.19	3,445.16	9.60	10.08	-152.491	12.83	123.28	246.08	227.31	18.77	13.109	
3,500.00	3,468.55	3,590.87	3,539.55	9.97	10.48	-151.517	-14.75	139.60	239.32	219.86	19.46	12.298	
3,600.00	3,565.49	3,690.56	3,633.95	10.36	10.89	-150.487	-42.33	155.91	232.64	212.49	20.15	11.546	
3,700.00	3,662.42	3,790.25	3,728.34	10.75	11.31	-149.397	-69.91	172.22	226.04	205.20	20.83	10.849	
3,800.00	3,759.36	3,889.93	3,822.74	11.16	11.73	-148.241	-97.49	188.54	219.52	198.01	21.51	10.203	
3,900.00	3,856.30	3,989.62	3,917.14	11.57	12.17	-147.015	-125.07	204.85	213.10	190.92	22.18	9.606	
4,000.00	3,953.23	4,089.31	4,011.53	11.98	12.61	-145.715	-152.65	221.17	206.78	183.94	22.84	9.055	
4,100.00	4,050.17	4,188.99	4,105.93	12.40	13.05	-144.333	-180.24	237.48	200.57	177.10	23.47	8.546	
4,200.00	4,147.11	4,288.68	4,200.32	12.83	13.50	-142.864	-207.82	253.79	194.49	170.41	24.08	8.077	
4,300.00	4,244.04	4,388.37	4,294.72	13.26	13.96	-141.301	-235.40	270.11	188.55	163.89	24.66	7.646	
4,400.00	4,340.98	4,488.05	4,389.11	13.70	14.42	-139.638	-262.98	286.42	182.75	157.54	25.21	7.250	
4,500.00	4,437.91	4,587.74	4,483.51	14.14	14.88	-137.869	-290.56	302.73	177.12	151.40	25.72	6.888	
4,600.00	4,534.85	4,687.43	4,577.91	14.58	15.35	-135.985	-318.14	319.05	171.67	145.49	26.18	6.557	
4,700.00	4,631.79	4,787.11	4,672.30	15.02	15.82	-133.981	-345.72	335.36	166.41	139.82	26.59	6.257	
4,800.00	4,728.72	4,886.80	4,766.70	15.47	16.30	-131.849	-373.30	351.68	161.37	134.42	26.96	5.986	
4,900.00	4,825.66	4,986.49	4,861.09	15.92	16.77	-129.584	-400.88	367.99	156.57	129.31	27.26	5.743	
5,000.00	4,922.60	5,086.17	4,955.49	16.38	17.25	-127.180	-428.46	384.30	152.03	124.53	27.51	5.527	
5,100.00	5,019.53	5,185.86	5,049.89	16.83	17.73	-124.633	-456.04	400.62	147.78	120.09	27.69	5.336	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
5,200.00	5,116.47	5,285.55	5,144.28	17.29	18.21	-121.942	-483.62	416.93	143.83	116.01	27.82	5.170	
5,300.00	5,213.41	5,385.23	5,238.68	17.75	18.70	-119.106	-511.21	433.24	140.22	112.33	27.89	5.028	
5,400.00	5,310.34	5,484.92	5,333.07	18.21	19.18	-116.129	-538.79	449.56	136.97	109.05	27.92	4.906	
5,500.00	5,407.28	5,584.60	5,427.47	18.68	19.67	-113.018	-566.37	465.87	134.11	106.20	27.92	4.804	
5,600.00	5,504.22	5,684.29	5,521.86	19.14	20.16	-109.781	-593.95	482.19	131.67	103.76	27.91	4.718	
5,700.00	5,601.15	5,783.98	5,616.26	19.61	20.65	-106.434	-621.53	498.50	129.66	101.75	27.92	4.645	
5,800.00	5,698.09	5,883.66	5,710.66	20.08	21.15	-102.994	-649.11	514.81	128.11	100.14	27.97	4.580	
5,900.00	5,795.02	5,983.35	5,805.05	20.55	21.64	-99.484	-676.69	531.13	127.04	98.93	28.11	4.519	
6,000.00	5,891.96	6,083.04	5,899.45	21.02	22.14	-95.927	-704.27	547.44	126.45	98.09	28.36	4.459	
6,069.02	5,958.86	6,151.84	5,964.60	21.34	22.48	-93.460	-723.31	558.70	126.33	97.72	28.61	4.415 CC	
6,100.00	5,988.90	6,182.72	5,993.84	21.49	22.63	-92.352	-731.85	563.76	126.36	97.60	28.75	4.394	
6,200.00	6,085.83	6,282.41	6,088.24	21.96	23.13	-88.785	-759.43	580.07	126.76	97.44	29.31	4.324 ES	
6,300.00	6,182.77	6,382.10	6,182.63	22.43	23.63	-85.254	-787.01	596.38	127.65	97.60	30.05	4.248	
6,400.00	6,279.71	6,481.78	6,277.03	22.91	24.13	-81.785	-814.60	612.70	129.02	98.06	30.96	4.167	
6,500.00	6,376.64	6,581.47	6,371.43	23.38	24.62	-78.400	-842.18	629.01	130.85	98.82	32.03	4.085	
6,600.00	6,473.61	6,682.29	6,467.36	23.84	25.15	-75.656	-868.84	644.78	132.77	99.65	33.13	4.008	
6,700.00	6,571.18	6,783.46	6,564.66	24.33	25.66	-73.388	-892.68	658.88	134.67	100.47	34.20	3.938	
6,800.00	6,669.45	6,884.83	6,663.08	24.80	26.17	-71.195	-913.58	671.24	136.71	101.44	35.27	3.876	
6,900.00	6,768.30	6,986.41	6,762.49	25.25	26.65	-69.080	-931.50	681.84	138.88	102.55	36.33	3.823	
7,000.00	6,867.62	7,088.18	6,862.78	25.67	27.12	-67.046	-946.40	690.66	141.17	103.79	37.37	3.777	
7,100.00	6,967.29	7,190.16	6,963.82	26.06	27.57	-65.092	-958.25	697.67	143.55	105.17	38.37	3.741	
7,200.00	7,067.18	7,292.35	7,065.49	26.40	27.98	-63.219	-967.01	702.85	146.01	106.70	39.31	3.714	
7,300.00	7,167.16	7,394.73	7,167.65	26.54	28.36	-61.811	-972.66	706.19	148.52	108.40	40.12	3.702	
7,400.00	7,267.16	7,497.36	7,270.24	26.57	28.67	-60.778	-975.16	707.67	149.93	109.41	40.52	3.700	
7,500.00	7,367.16	7,598.15	7,371.02	26.59	28.72	-60.829	-975.29	707.74	150.00	109.45	40.55	3.699	
7,600.00	7,467.16	7,698.15	7,471.02	26.61	28.74	-60.829	-975.29	707.74	150.00	109.40	40.60	3.695	
7,700.00	7,567.16	7,798.15	7,571.02	26.63	28.76	-60.829	-975.29	707.74	150.00	109.36	40.65	3.690	
7,800.00	7,667.16	7,898.15	7,671.02	26.66	28.78	-60.829	-975.29	707.74	150.00	109.31	40.70	3.686	
7,900.00	7,767.16	7,998.15	7,771.02	26.68	28.80	-60.829	-975.29	707.74	150.00	109.26	40.75	3.681	
8,000.00	7,867.16	8,098.15	7,871.02	26.70	28.82	-60.829	-975.29	707.74	150.00	109.21	40.80	3.677	
8,100.00	7,967.16	8,198.15	7,971.02	26.73	28.84	-60.829	-975.29	707.74	150.00	109.16	40.85	3.672	
8,200.00	8,067.16	8,298.15	8,071.02	26.75	28.86	-60.829	-975.29	707.74	150.00	109.11	40.90	3.668	
8,300.00	8,167.16	8,398.15	8,171.02	26.77	28.89	-60.829	-975.29	707.74	150.00	109.06	40.95	3.663	
8,400.00	8,267.16	8,498.15	8,271.02	26.80	28.91	-60.829	-975.29	707.74	150.00	109.00	41.00	3.659	
8,500.00	8,367.16	8,598.15	8,371.02	26.82	28.93	-60.829	-975.29	707.74	150.00	108.95	41.05	3.654	
8,600.00	8,467.16	8,698.15	8,471.02	26.85	28.95	-60.829	-975.29	707.74	150.00	108.90	41.10	3.649	
8,700.00	8,567.16	8,798.15	8,571.02	26.87	28.98	-60.829	-975.29	707.74	150.00	108.85	41.16	3.645	
8,800.00	8,667.16	8,898.15	8,671.02	26.90	29.00	-60.829	-975.29	707.74	150.00	108.79	41.21	3.640	
8,900.00	8,767.16	8,998.15	8,771.02	26.92	29.02	-60.829	-975.29	707.74	150.00	108.74	41.27	3.635 SF	
9,000.00	8,867.16	9,098.15	8,853.16	26.95	29.13	-60.829	-975.28	711.57	154.87	112.61	42.26	3.665	
9,100.00	8,967.16	9,198.15	8,928.35	26.98	29.31	-60.829	-975.24	725.44	173.05	129.80	43.25	4.002	
9,200.00	9,067.16	9,298.15	8,996.52	27.00	29.52	-60.829	-975.17	747.41	203.78	159.83	43.95	4.636	
9,300.00	9,167.16	9,398.15	9,061.17	27.03	29.73	-60.829	-975.08	777.58	245.76	201.31	44.44	5.530	
9,400.00	9,267.16	9,498.15	9,103.98	27.05	29.88	-60.829	-975.00	803.38	297.06	252.42	44.64	6.655	
9,500.00	9,367.16	9,598.15	9,144.37	27.08	30.03	-60.829	-974.92	832.82	356.43	311.69	44.74	7.967	
9,600.00	9,467.16	9,698.15	9,182.05	27.11	30.18	-60.829	-974.82	865.67	422.29	377.42	44.87	9.411	
9,700.00	9,567.16	9,798.15	9,208.25	27.13	30.29	-60.829	-974.74	892.28	493.49	448.63	44.86	11.001	
9,800.00	9,667.16	9,898.15	9,231.44	27.25	30.40	-60.829	-974.66	919.05	566.57	521.63	44.94	12.607	
9,900.00	9,767.16	9,998.15	9,248.12	27.49	30.49	-60.829	-974.59	940.57	632.52	587.60	44.92	14.080	
10,000.00	9,867.16	10,098.15	9,276.01	27.77	30.65	-60.829	-974.47	982.05	689.59	644.32	45.27	15.234	
10,100.00	9,967.16	10,198.15	9,300.17	28.07	30.81	-60.829	-974.34	1,025.80	737.96	692.41	45.56	16.198	
10,200.00	10,067.16	10,298.15	9,311.31	28.37	30.90	-60.829	-974.27	1,049.55	776.26	730.94	45.32	17.129	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
10,300.00	10,079.89	9,716.44	9,326.22	28.69	31.05	0.000	-974.16	1,086.88	804.99	759.72	45.27	17.782	
10,400.00	10,127.53	9,750.00	9,336.64	29.03	31.17	0.000	-974.06	1,118.77	823.69	778.69	45.00	18.304	
10,419.20	10,134.89	9,764.78	9,340.64	29.11	31.23	0.000	-974.02	1,133.01	826.02	780.91	45.12	18.309	
10,500.00	10,159.20	9,800.00	9,348.66	29.42	31.38	0.000	-973.92	1,167.29	831.99	786.99	45.00	18.487	
10,600.00	10,173.94	9,850.00	9,356.41	29.88	31.60	0.000	-973.77	1,216.67	830.23	785.28	44.95	18.471	
10,628.95	10,175.45	9,850.00	9,356.41	30.04	31.60	0.000	-973.77	1,216.67	828.01	783.44	44.58	18.576	
10,700.00	10,175.00	9,879.26	9,358.94	30.43	31.74	0.000	-973.68	1,245.82	821.45	777.16	44.29	18.547	
10,729.99	10,175.00	9,900.00	9,359.83	30.63	31.84	0.000	-973.62	1,266.54	820.05	775.69	44.36	18.488	
10,777.37	10,175.00	9,914.16	9,360.00	30.97	31.92	0.000	-973.58	1,280.70	818.89	774.88	44.01	18.606	
10,800.00	10,175.00	9,929.28	9,360.00	31.13	32.00	0.000	-973.53	1,295.82	818.86	774.83	44.03	18.599	
10,878.87	10,175.00	10,008.15	9,360.00	31.79	32.48	0.000	-973.30	1,374.69	818.86	774.18	44.68	18.327	
10,900.00	10,175.00	10,029.28	9,360.00	31.97	32.64	0.000	-973.24	1,395.82	818.86	774.00	44.86	18.254	
10,978.87	10,175.00	10,108.15	9,360.00	32.74	33.24	0.000	-973.00	1,474.69	818.86	773.32	45.54	17.980	
11,000.00	10,175.00	10,129.28	9,360.00	32.96	33.43	0.000	-972.94	1,495.82	818.86	773.13	45.73	17.907	
11,078.87	10,175.00	10,208.15	9,360.00	33.83	34.15	0.000	-972.70	1,574.69	818.86	772.42	46.44	17.632	
11,100.00	10,175.00	10,229.28	9,360.00	34.07	34.37	0.000	-972.64	1,595.82	818.86	772.22	46.64	17.558	
11,178.87	10,175.00	10,308.15	9,360.00	35.04	35.21	0.000	-972.41	1,674.68	818.86	771.48	47.38	17.284	
11,200.00	10,175.00	10,329.28	9,360.00	35.30	35.45	0.000	-972.34	1,695.82	818.86	771.28	47.58	17.211	
11,278.87	10,175.00	10,408.15	9,360.00	36.34	36.39	0.000	-972.11	1,774.68	818.86	770.52	48.34	16.938	
11,300.00	10,175.00	10,429.28	9,360.00	36.63	36.65	0.000	-972.04	1,795.82	818.86	770.31	48.55	16.866	
11,378.87	10,175.00	10,508.15	9,360.00	37.74	37.67	0.000	-971.81	1,874.68	818.86	769.52	49.34	16.596	
11,400.00	10,175.00	10,529.28	9,360.00	38.04	37.96	0.000	-971.75	1,895.82	818.86	769.30	49.56	16.524	
11,478.87	10,175.00	10,608.15	9,360.00	39.21	39.05	0.000	-971.51	1,974.68	818.86	768.49	50.37	16.258	
11,500.00	10,175.00	10,629.28	9,360.00	39.53	39.36	0.000	-971.45	1,995.82	818.86	768.27	50.59	16.187	
11,578.87	10,175.00	10,708.15	9,360.00	40.75	40.51	0.000	-971.21	2,074.68	818.86	767.44	51.42	15.924	
11,600.00	10,175.00	10,729.28	9,360.00	41.08	40.83	0.000	-971.15	2,095.82	818.86	767.21	51.65	15.855	
11,678.87	10,175.00	10,808.15	9,360.00	42.34	42.03	0.000	-970.91	2,174.68	818.86	766.36	52.50	15.597	
11,700.00	10,175.00	10,829.28	9,360.00	42.68	42.36	0.000	-970.85	2,195.81	818.86	766.13	52.73	15.528	
11,778.87	10,175.00	10,908.15	9,360.00	43.98	43.61	0.000	-970.62	2,274.68	818.86	765.25	53.61	15.275	
11,800.00	10,175.00	10,929.28	9,360.00	44.33	43.95	0.000	-970.55	2,295.81	818.86	765.02	53.84	15.209	
11,878.87	10,175.00	11,008.15	9,360.00	45.66	45.23	0.000	-970.32	2,374.68	818.86	764.13	54.73	14.961	
11,900.00	10,175.00	11,029.28	9,360.00	46.02	45.58	0.000	-970.25	2,395.81	818.86	763.89	54.97	14.896	
11,978.87	10,175.00	11,108.15	9,360.00	47.38	46.90	0.000	-970.02	2,474.68	818.86	762.98	55.88	14.654	
12,000.00	10,175.00	11,129.28	9,360.00	47.74	47.25	0.000	-969.96	2,495.81	818.86	762.73	56.13	14.590	
12,078.87	10,175.00	11,208.15	9,360.00	49.13	48.60	0.000	-969.72	2,574.68	818.86	761.81	57.05	14.354	
12,100.00	10,175.00	11,229.28	9,360.00	49.50	48.96	0.000	-969.66	2,595.81	818.86	761.56	57.30	14.291	
12,178.87	10,175.00	11,308.15	9,360.00	50.90	50.33	0.000	-969.42	2,674.68	818.86	760.62	58.24	14.061	
12,200.00	10,175.00	11,329.28	9,360.00	51.28	50.70	0.000	-969.36	2,695.81	818.86	760.37	58.49	14.000	
12,278.87	10,175.00	11,408.15	9,360.00	52.70	52.09	0.000	-969.13	2,774.68	818.86	759.42	59.44	13.776	
12,300.00	10,175.00	11,429.28	9,360.00	53.08	52.46	0.000	-969.06	2,795.81	818.86	759.16	59.70	13.717	
12,378.87	10,175.00	11,508.15	9,360.00	54.52	53.87	0.000	-968.83	2,874.68	818.86	758.20	60.66	13.499	
12,400.00	10,175.00	11,529.28	9,360.00	54.90	54.25	0.000	-968.76	2,895.81	818.86	757.94	60.92	13.441	
12,478.87	10,175.00	11,608.15	9,360.00	56.35	55.67	0.000	-968.53	2,974.68	818.86	756.96	61.90	13.229	
12,500.00	10,175.00	11,629.28	9,360.00	56.74	56.06	0.000	-968.47	2,995.81	818.86	756.70	62.16	13.173	
12,578.87	10,175.00	11,708.15	9,360.00	58.21	57.49	0.000	-968.23	3,074.68	818.86	755.71	63.15	12.967	
12,600.00	10,175.00	11,729.28	9,360.00	58.60	57.88	0.000	-968.17	3,095.81	818.86	755.44	63.42	12.912	
12,678.87	10,175.00	11,808.15	9,360.00	60.08	59.33	0.000	-967.93	3,174.68	818.86	754.44	64.42	12.712	
12,700.00	10,175.00	11,829.28	9,360.00	60.47	59.72	0.000	-967.87	3,195.81	818.86	754.17	64.69	12.659	
12,778.87	10,175.00	11,908.15	9,360.00	61.96	61.19	0.000	-967.63	3,274.68	818.86	753.17	65.69	12.465	
12,800.00	10,175.00	11,929.28	9,360.00	62.36	61.58	0.000	-967.57	3,295.81	818.86	752.89	65.97	12.413	
12,878.87	10,175.00	12,008.15	9,360.00	63.85	63.05	0.000	-967.34	3,374.68	818.86	751.87	66.99	12.224	
12,900.00	10,175.00	12,029.28	9,360.00	64.26	63.45	0.000	-967.27	3,395.81	818.86	751.60	67.26	12.175	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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)	Reference Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,978.87	10,175.00	12,108.15	9,360.00	65.76	64.94	0.000	-967.04	3,474.68	818.86	750.57	68.29	11.991			
13,000.00	10,175.00	12,129.28	9,360.00	66.16	65.33	0.000	-966.97	3,495.81	818.86	750.29	68.57	11.943			
13,078.87	10,175.00	12,208.15	9,360.00	67.68	66.83	0.000	-966.74	3,574.68	818.86	749.26	69.60	11.765			
13,100.00	10,175.00	12,229.28	9,360.00	68.08	67.23	0.000	-966.68	3,595.81	818.86	748.98	69.88	11.718			
13,178.87	10,175.00	12,308.15	9,360.00	69.60	68.73	0.000	-966.44	3,674.68	818.86	747.93	70.93	11.545			
13,200.00	10,175.00	12,329.28	9,360.00	70.01	69.13	0.000	-966.38	3,695.81	818.86	747.65	71.21	11.500			
13,278.87	10,175.00	12,408.15	9,360.00	71.53	70.64	0.000	-966.14	3,774.68	818.86	746.60	72.26	11.332			
13,300.00	10,175.00	12,429.28	9,360.00	71.94	71.05	0.000	-966.08	3,795.81	818.86	746.32	72.54	11.288			
13,378.87	10,175.00	12,508.15	9,360.00	73.47	72.56	0.000	-965.85	3,874.67	818.86	745.26	73.60	11.125			
13,400.00	10,175.00	12,529.28	9,360.00	73.89	72.97	0.000	-965.78	3,895.81	818.86	744.97	73.89	11.082			
13,478.87	10,175.00	12,608.15	9,360.00	75.42	74.49	0.000	-965.55	3,974.67	818.86	743.90	74.96	10.925			
13,500.00	10,175.00	12,629.28	9,360.00	75.83	74.90	0.000	-965.48	3,995.81	818.86	743.62	75.24	10.883			
13,578.87	10,175.00	12,708.15	9,360.00	77.38	76.42	0.000	-965.25	4,074.67	818.86	742.54	76.32	10.730			
13,600.00	10,175.00	12,729.28	9,360.00	77.79	76.84	0.000	-965.19	4,095.81	818.86	742.26	76.60	10.690			
13,678.87	10,175.00	12,808.15	9,360.00	79.34	78.37	0.000	-964.95	4,174.67	818.86	741.18	77.68	10.541			
13,700.00	10,175.00	12,829.28	9,360.00	79.75	78.78	0.000	-964.89	4,195.81	818.86	740.89	77.97	10.502			
13,778.87	10,175.00	12,908.15	9,360.00	81.30	80.32	0.000	-964.65	4,274.67	818.86	739.80	79.06	10.358			
13,800.00	10,175.00	12,929.28	9,360.00	81.72	80.73	0.000	-964.59	4,295.81	818.86	739.51	79.35	10.319			
13,878.87	10,175.00	13,008.15	9,360.00	83.27	82.27	0.000	-964.35	4,374.67	818.86	738.42	80.44	10.179			
13,900.00	10,175.00	13,029.28	9,360.00	83.69	82.68	0.000	-964.29	4,395.81	818.86	738.12	80.74	10.143			
13,978.87	10,175.00	13,108.15	9,360.00	85.25	84.23	0.000	-964.06	4,474.67	818.86	737.03	81.83	10.007			
14,000.00	10,175.00	13,129.28	9,360.00	85.67	84.65	0.000	-963.99	4,495.80	818.86	736.73	82.13	9.971			
14,078.87	10,175.00	13,208.15	9,360.00	87.23	86.20	0.000	-963.76	4,574.67	818.86	735.63	83.23	9.839			
14,100.00	10,175.00	13,229.28	9,360.00	87.65	86.61	0.000	-963.70	4,595.80	818.86	735.34	83.52	9.804			
14,178.87	10,175.00	13,308.15	9,360.00	89.21	88.17	0.000	-963.46	4,674.67	818.86	734.23	84.63	9.676			
14,200.00	10,175.00	13,329.28	9,360.00	89.63	88.58	0.000	-963.40	4,695.80	818.86	733.93	84.93	9.642			
14,278.87	10,175.00	13,408.15	9,360.00	91.20	90.14	0.000	-963.16	4,774.67	818.86	732.82	86.04	9.518			
14,300.00	10,175.00	13,429.28	9,360.00	91.62	90.56	0.000	-963.10	4,795.80	818.86	732.52	86.34	9.485			
14,378.87	10,175.00	13,508.15	9,360.00	93.19	92.12	0.000	-962.86	4,874.67	818.86	731.41	87.45	9.364			
14,400.00	10,175.00	13,529.28	9,360.00	93.61	92.54	0.000	-962.80	4,895.80	818.86	731.11	87.75	9.332			
14,478.87	10,175.00	13,608.15	9,360.00	95.19	94.10	0.000	-962.57	4,974.67	818.86	729.99	88.87	9.214			
14,500.00	10,175.00	13,629.28	9,360.00	95.61	94.52	0.000	-962.50	4,995.80	818.86	729.69	89.17	9.183			
14,578.87	10,175.00	13,708.15	9,360.00	97.19	96.09	0.000	-962.27	5,074.67	818.86	728.57	90.29	9.069			
14,600.00	10,175.00	13,729.28	9,360.00	97.61	96.51	0.000	-962.20	5,095.80	818.86	728.27	90.59	9.039			
14,678.87	10,175.00	13,808.15	9,360.00	99.19	98.08	0.000	-961.97	5,174.67	818.86	727.14	91.72	8.928			
14,700.00	10,175.00	13,829.28	9,360.00	99.61	98.50	0.000	-961.91	5,195.80	818.86	726.84	92.02	8.898			
14,778.87	10,175.00	13,908.15	9,360.00	101.19	100.07	0.000	-961.67	5,274.67	818.86	725.71	93.15	8.790			
14,800.00	10,175.00	13,929.28	9,360.00	101.61	100.49	0.000	-961.61	5,295.80	818.86	725.40	93.46	8.762			
14,878.87	10,175.00	14,008.15	9,360.00	103.20	102.06	0.000	-961.37	5,374.67	818.86	724.27	94.59	8.657			
14,900.00	10,175.00	14,029.28	9,360.00	103.62	102.48	0.000	-961.31	5,395.80	818.86	723.97	94.89	8.629			
14,978.87	10,175.00	14,108.15	9,360.00	105.20	104.06	0.000	-961.07	5,474.67	818.86	722.83	96.03	8.527			
15,000.00	10,175.00	14,129.28	9,360.00	105.63	104.48	0.000	-961.01	5,495.80	818.86	722.52	96.34	8.500			
15,078.87	10,175.00	14,208.15	9,360.00	107.22	106.06	0.000	-960.78	5,574.67	818.86	721.38	97.48	8.401			
15,100.00	10,175.00	14,229.28	9,360.00	107.64	106.49	0.000	-960.71	5,595.80	818.86	721.08	97.78	8.374			
15,178.87	10,175.00	14,308.15	9,360.00	109.23	108.07	0.000	-960.48	5,674.67	818.86	719.93	98.93	8.278			
15,200.00	10,175.00	14,329.28	9,360.00	109.65	108.49	0.000	-960.42	5,695.80	818.86	719.63	99.23	8.252			
15,278.87	10,175.00	14,408.15	9,360.00	111.24	110.07	0.000	-960.18	5,774.67	818.86	718.48	100.38	8.158			
15,300.00	10,175.00	14,429.28	9,360.00	111.67	110.50	0.000	-960.12	5,795.80	818.86	718.17	100.69	8.133			
15,378.87	10,175.00	14,508.15	9,360.00	113.26	112.08	0.000	-959.88	5,874.67	818.86	717.03	101.83	8.041			
15,400.00	10,175.00	14,529.28	9,360.00	113.69	112.50	0.000	-959.82	5,895.80	818.86	716.72	102.14	8.017			
15,478.87	10,175.00	14,608.15	9,360.00	115.28	114.09	0.000	-959.58	5,974.67	818.86	715.57	103.29	7.927			
15,500.00	10,175.00	14,629.28	9,360.00	115.71	114.51	0.000	-959.52	5,995.80	818.86	715.26	103.60	7.904			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Highside Toolface	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset		+N/-S	+E/-W	Between Centres	Between Ellipses			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
15,578.87	10,175.00	14,708.15	9,360.00	117.30	116.10	0.000	-959.29	6,074.67	818.86	714.10	104.76	7.817	
15,600.00	10,175.00	14,729.28	9,360.00	117.73	116.53	0.000	-959.22	6,095.80	818.86	713.79	105.07	7.794	
15,678.87	10,175.00	14,808.15	9,360.00	119.32	118.12	0.000	-958.99	6,174.66	818.86	712.64	106.22	7.709	
15,700.00	10,175.00	14,829.28	9,360.00	119.75	118.54	0.000	-958.92	6,195.80	818.86	712.33	106.53	7.686	
15,778.87	10,175.00	14,908.15	9,360.00	121.35	120.13	0.000	-958.69	6,274.66	818.86	711.17	107.69	7.604	
15,800.00	10,175.00	14,929.28	9,360.00	121.78	120.56	0.000	-958.63	6,295.80	818.86	710.86	108.00	7.582	
15,878.87	10,175.00	15,008.15	9,360.00	123.37	122.15	0.000	-958.39	6,374.66	818.86	709.70	109.16	7.501	
15,900.00	10,175.00	15,029.28	9,360.00	123.80	122.58	0.000	-958.33	6,395.80	818.86	709.39	109.47	7.480	
15,978.87	10,175.00	15,108.15	9,360.00	125.40	124.17	0.000	-958.09	6,474.66	818.86	708.22	110.64	7.401	
16,000.00	10,175.00	15,129.28	9,360.00	125.83	124.60	0.000	-958.03	6,495.80	818.86	707.91	110.95	7.381	
16,078.87	10,175.00	15,208.15	9,360.00	127.43	126.19	0.000	-957.79	6,574.66	818.86	706.75	112.11	7.304	
16,100.00	10,175.00	15,229.28	9,360.00	127.86	126.62	0.000	-957.73	6,595.80	818.86	706.43	112.43	7.284	
16,178.87	10,175.00	15,308.15	9,360.00	129.46	128.21	0.000	-957.50	6,674.66	818.86	705.27	113.59	7.209	
16,200.00	10,175.00	15,329.28	9,360.00	129.89	128.64	0.000	-957.43	6,695.79	818.86	704.95	113.91	7.189	
16,278.87	10,175.00	15,408.15	9,360.00	131.49	130.24	0.000	-957.20	6,774.66	818.86	703.79	115.07	7.116	
16,300.00	10,175.00	15,429.28	9,360.00	131.92	130.66	0.000	-957.14	6,795.79	818.86	703.47	115.39	7.097	
16,378.87	10,175.00	15,508.15	9,360.00	133.52	132.26	0.000	-956.90	6,874.66	818.86	702.30	116.56	7.025	
16,400.00	10,175.00	15,529.28	9,360.00	133.95	132.69	0.000	-956.84	6,895.79	818.86	701.99	116.87	7.006	
16,478.87	10,175.00	15,608.15	9,360.00	135.56	134.29	0.000	-956.60	6,974.66	818.86	700.82	118.04	6.937	
16,500.00	10,175.00	15,629.28	9,360.00	135.99	134.72	0.000	-956.54	6,995.79	818.86	700.50	118.36	6.918	
16,578.87	10,175.00	15,708.15	9,360.00	137.59	136.32	0.000	-956.30	7,074.66	818.86	699.33	119.53	6.851	
16,600.00	10,175.00	15,729.28	9,360.00	138.02	136.74	0.000	-956.24	7,095.79	818.86	699.01	119.85	6.833	
16,678.87	10,175.00	15,808.15	9,360.00	139.63	138.34	0.000	-956.01	7,174.66	818.86	697.84	121.02	6.766	
16,700.00	10,175.00	15,829.28	9,360.00	140.06	138.77	0.000	-955.94	7,195.79	818.86	697.52	121.34	6.749	
16,778.87	10,175.00	15,908.15	9,360.00	141.66	140.38	0.000	-955.71	7,274.66	818.86	696.35	122.51	6.684	
16,800.00	10,175.00	15,929.28	9,360.00	142.09	140.80	0.000	-955.64	7,295.79	818.86	696.03	122.83	6.667	
16,878.87	10,175.00	16,008.15	9,360.00	143.70	142.41	0.000	-955.41	7,374.66	818.86	694.85	124.01	6.603	
16,900.00	10,175.00	16,029.28	9,360.00	144.13	142.84	0.000	-955.35	7,395.79	818.86	694.54	124.32	6.586	
16,978.87	10,175.00	16,108.15	9,360.00	145.74	144.44	0.000	-955.11	7,474.66	818.86	693.36	125.50	6.525	
17,000.00	10,175.00	16,129.28	9,360.00	146.17	144.87	0.000	-955.05	7,495.79	818.86	693.04	125.82	6.508	
17,078.87	10,175.00	16,208.15	9,360.00	147.78	146.47	0.000	-954.81	7,574.66	818.86	691.86	127.00	6.448	
17,100.00	10,175.00	16,229.28	9,360.00	148.21	146.90	0.000	-954.75	7,595.79	818.86	691.54	127.32	6.432	
17,178.87	10,175.00	16,308.15	9,360.00	149.82	148.51	0.000	-954.51	7,674.66	818.86	690.36	128.50	6.372	
17,200.00	10,175.00	16,329.28	9,360.00	150.25	148.94	0.000	-954.45	7,695.79	818.86	690.04	128.82	6.357	
17,278.87	10,175.00	16,408.15	9,360.00	151.86	150.54	0.000	-954.22	7,774.66	818.86	688.86	130.00	6.299	
17,300.00	10,175.00	16,429.28	9,360.00	152.29	150.97	0.000	-954.15	7,795.79	818.86	688.54	130.32	6.283	
17,378.87	10,175.00	16,508.15	9,360.00	153.90	152.58	0.000	-953.92	7,874.66	818.86	687.35	131.51	6.227	
17,400.00	10,175.00	16,529.28	9,360.00	154.33	153.01	0.000	-953.86	7,895.79	818.86	687.04	131.82	6.212	
17,478.87	10,175.00	16,608.15	9,360.00	155.94	154.62	0.000	-953.62	7,974.66	818.86	685.85	133.01	6.156	
17,500.00	10,175.00	16,629.28	9,360.00	156.37	155.05	0.000	-953.56	7,995.79	818.86	685.53	133.33	6.142	
17,578.87	10,175.00	16,708.15	9,360.00	157.98	156.65	0.000	-953.32	8,074.66	818.86	684.34	134.52	6.087	
17,600.00	10,175.00	16,729.28	9,360.00	158.42	157.08	0.000	-953.26	8,095.79	818.86	684.03	134.83	6.073	
17,678.87	10,175.00	16,808.15	9,360.00	160.03	158.69	0.000	-953.02	8,174.66	818.86	682.84	136.02	6.020	
17,700.00	10,175.00	16,829.28	9,360.00	160.46	159.12	0.000	-952.96	8,195.79	818.86	682.52	136.34	6.006	
17,778.87	10,175.00	16,908.15	9,360.00	162.07	160.73	0.000	-952.73	8,274.66	818.86	681.33	137.53	5.954	
17,800.00	10,175.00	16,929.28	9,360.00	162.50	161.16	0.000	-952.66	8,295.79	818.86	681.01	137.85	5.940	
17,878.87	10,175.00	17,008.15	9,360.00	164.12	162.77	0.000	-952.43	8,374.65	818.86	679.82	139.04	5.889	
17,900.00	10,175.00	17,029.28	9,360.00	164.55	163.20	0.000	-952.36	8,395.79	818.86	679.50	139.36	5.876	
17,978.87	10,175.00	17,108.15	9,360.00	166.16	164.81	0.000	-952.13	8,474.65	818.86	678.31	140.55	5.826	
18,000.00	10,175.00	17,129.28	9,360.00	166.59	165.24	0.000	-952.07	8,495.79	818.86	677.99	140.87	5.813	
18,078.87	10,175.00	17,208.15	9,360.00	168.21	166.85	0.000	-951.83	8,574.65	818.86	676.79	142.07	5.764	
18,100.00	10,175.00	17,229.28	9,360.00	168.64	167.29	0.000	-951.77	8,595.79	818.86	676.47	142.39	5.751	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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:			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			
18,178.87	10,175.00	17,308.15	9,360.00	170.25	168.90	0.000	-951.53	8,674.65	818.86	675.28	143.58	5.703				
18,200.00	10,175.00	17,329.28	9,360.00	170.69	169.33	0.000	-951.47	8,695.79	818.86	674.96	143.90	5.690				
18,278.87	10,175.00	17,408.15	9,360.00	172.30	170.94	0.000	-951.23	8,774.65	818.86	673.77	145.09	5.644				
18,300.00	10,175.00	17,429.28	9,360.00	172.73	171.37	0.000	-951.17	8,795.79	818.86	673.45	145.41	5.631				
18,378.87	10,175.00	17,508.15	9,360.00	174.35	172.98	0.000	-950.94	8,874.65	818.86	672.25	146.61	5.585				
18,400.00	10,175.00	17,529.28	9,360.00	174.78	173.41	0.000	-950.87	8,895.79	818.86	671.93	146.93	5.573				
18,478.87	10,175.00	17,608.15	9,360.00	176.40	175.03	0.000	-950.64	8,974.65	818.86	670.73	148.13	5.528				
18,500.00	10,175.00	17,629.28	9,360.00	176.83	175.46	0.000	-950.58	8,995.78	818.86	670.41	148.45	5.516				
18,578.87	10,175.00	17,708.15	9,360.00	178.45	177.07	0.000	-950.34	9,074.65	818.86	669.21	149.65	5.472				
18,600.00	10,175.00	17,729.28	9,360.00	178.88	177.50	0.000	-950.28	9,095.78	818.86	668.89	149.97	5.460				
18,678.87	10,175.00	17,808.15	9,360.00	180.50	179.12	0.000	-950.04	9,174.65	818.86	667.69	151.17	5.417				
18,700.00	10,175.00	17,829.28	9,360.00	180.93	179.55	0.000	-949.98	9,195.78	818.86	667.37	151.49	5.405				
18,778.87	10,175.00	17,908.15	9,360.00	182.55	181.16	0.000	-949.74	9,274.65	818.86	666.17	152.69	5.363				
18,800.00	10,175.00	17,929.28	9,360.00	182.98	181.59	0.000	-949.68	9,295.78	818.86	665.85	153.01	5.352				
18,878.87	10,175.00	18,008.15	9,360.00	184.60	183.21	0.000	-949.45	9,374.65	818.86	664.65	154.21	5.310				
18,900.00	10,175.00	18,029.28	9,360.00	185.03	183.64	0.000	-949.38	9,395.78	818.86	664.33	154.53	5.299				
18,978.87	10,175.00	18,108.15	9,360.00	186.65	185.25	0.000	-949.15	9,474.65	818.86	663.13	155.73	5.258				
19,000.00	10,175.00	18,129.28	9,360.00	187.08	185.69	0.000	-949.08	9,495.78	818.86	662.81	156.05	5.247				
19,078.87	10,175.00	18,208.15	9,360.00	188.70	187.30	0.000	-948.85	9,574.65	818.86	661.61	157.25	5.207				
19,100.00	10,175.00	18,229.28	9,360.00	189.13	187.73	0.000	-948.79	9,595.78	818.86	661.29	157.57	5.197				
19,178.87	10,175.00	18,308.15	9,360.00	190.75	189.35	0.000	-948.55	9,674.65	818.86	660.08	158.78	5.157				
19,200.00	10,175.00	18,329.28	9,360.00	191.18	189.78	0.000	-948.49	9,695.78	818.86	659.76	159.10	5.147				
19,278.87	10,175.00	18,408.15	9,360.00	192.80	191.40	0.000	-948.25	9,774.65	818.86	658.56	160.30	5.108				
19,300.00	10,175.00	18,429.28	9,360.00	193.23	191.83	0.000	-948.19	9,795.78	818.86	658.24	160.62	5.098				
19,378.87	10,175.00	18,508.15	9,360.00	194.85	193.45	0.000	-947.95	9,874.65	818.86	657.03	161.83	5.060				
19,400.00	10,175.00	18,529.28	9,360.00	195.29	193.88	0.000	-947.89	9,895.78	818.86	656.71	162.15	5.050				
19,478.87	10,175.00	18,608.15	9,360.00	196.91	195.50	0.000	-947.66	9,974.65	818.86	655.51	163.35	5.013				
19,500.00	10,175.00	18,629.28	9,360.00	197.34	195.93	0.000	-947.59	9,995.78	818.86	655.18	163.68	5.003				
19,578.87	10,175.00	18,708.15	9,360.00	198.96	197.55	0.000	-947.36	10,074.65	818.86	653.98	164.88	4.966				
19,600.00	10,175.00	18,729.28	9,360.00	199.39	197.98	0.000	-947.30	10,095.78	818.86	653.66	165.21	4.957				
19,678.87	10,175.00	18,808.15	9,360.00	201.01	199.59	0.000	-947.06	10,174.65	818.86	652.45	166.41	4.921				
19,700.00	10,175.00	18,829.28	9,360.00	201.45	200.03	0.000	-947.00	10,195.78	818.86	652.13	166.73	4.911				
19,778.87	10,175.00	18,908.15	9,360.00	203.07	201.65	0.000	-946.76	10,274.65	818.86	650.92	167.94	4.876				
19,800.00	10,175.00	18,929.28	9,360.00	203.50	202.08	0.000	-946.70	10,295.78	818.86	650.60	168.26	4.867				
19,878.87	10,175.00	19,008.15	9,360.00	205.12	203.70	0.000	-946.46	10,374.65	818.86	649.39	169.47	4.832				
19,900.00	10,175.00	19,029.28	9,360.00	205.55	204.13	0.000	-946.40	10,395.78	818.86	649.07	169.79	4.823				
19,978.87	10,175.00	19,108.15	9,360.00	207.17	205.75	0.000	-946.17	10,474.65	818.86	647.86	171.00	4.789				
20,000.00	10,175.00	19,129.28	9,360.00	207.61	206.18	0.000	-946.10	10,495.78	818.86	647.54	171.32	4.780				
20,078.87	10,175.00	19,208.15	9,360.00	209.23	207.80	0.000	-945.87	10,574.65	818.86	646.33	172.53	4.746				
20,100.00	10,175.00	19,229.28	9,360.00	209.66	208.23	0.000	-945.80	10,595.78	818.86	646.01	172.85	4.737				
20,178.87	10,175.00	19,308.15	9,360.00	211.28	209.85	0.000	-945.57	10,674.64	818.86	644.80	174.06	4.704				
20,200.00	10,175.00	19,329.28	9,360.00	211.72	210.28	0.000	-945.51	10,695.78	818.86	644.47	174.39	4.696				
20,278.87	10,175.00	19,408.15	9,360.00	213.34	211.90	0.000	-945.27	10,774.64	818.86	643.26	175.60	4.663				
20,300.00	10,175.00	19,429.28	9,360.00	213.77	212.34	0.000	-945.21	10,795.78	818.86	642.94	175.92	4.655				
20,378.87	10,175.00	19,508.15	9,360.00	215.39	213.95	0.000	-944.97	10,874.64	818.86	641.73	177.13	4.623				
20,400.00	10,175.00	19,529.28	9,360.00	215.83	214.39	0.000	-944.91	10,895.78	818.86	641.41	177.45	4.615				
20,478.87	10,175.00	19,608.15	9,360.00	217.45	216.01	0.000	-944.67	10,974.64	818.86	640.20	178.66	4.583				
20,500.00	10,175.00	19,629.28	9,360.00	217.88	216.44	0.000	-944.61	10,995.78	818.86	639.87	178.99	4.575				
20,578.87	10,175.00	19,708.15	9,360.00	219.50	218.06	0.000	-944.38	11,074.64	818.86	638.66	180.20	4.544				
20,600.00	10,175.00	19,729.28	9,360.00	219.94	218.49	0.000	-944.31	11,095.78	818.86	638.34	180.52	4.536				
20,678.87	10,175.00	19,808.15	9,360.00	221.56	220.11	0.000	-944.08	11,174.64	818.86	637.13	181.73	4.506				
20,700.00	10,175.00	19,829.28	9,360.00	222.00	220.55	0.000	-944.02	11,195.77	818.86	636.80	182.06	4.498				

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,778.87	10,175.00	19,908.15	9,360.00	223.62	222.17	0.000	-943.78	11,274.64	818.86	635.59	183.27	4.468	
20,800.00	10,175.00	19,929.28	9,360.00	224.05	222.60	0.000	-943.72	11,295.77	818.86	635.27	183.59	4.460	
20,878.87	10,175.00	20,008.15	9,360.00	225.67	224.22	0.000	-943.48	11,374.64	818.86	634.06	184.80	4.431	
20,900.00	10,175.00	20,029.28	9,360.00	226.11	224.65	0.000	-943.42	11,395.77	818.86	633.73	185.13	4.423	
20,978.87	10,175.00	20,108.15	9,360.00	227.73	226.27	0.000	-943.18	11,474.64	818.86	632.52	186.34	4.394	
21,000.00	10,175.00	20,129.28	9,360.00	228.17	226.71	0.000	-943.12	11,495.77	818.86	632.19	186.67	4.387	
21,078.87	10,175.00	20,208.15	9,360.00	229.79	228.33	0.000	-942.89	11,574.64	818.86	630.98	187.88	4.358	
21,100.00	10,175.00	20,229.28	9,360.00	230.22	228.76	0.000	-942.82	11,595.77	818.86	630.66	188.20	4.351	
21,198.07	10,175.00	20,327.35	9,360.00	232.24	230.78	0.000	-942.53	11,693.84	818.86	629.15	189.71	4.316	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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
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	0.95	0.95	0.00	0.01	-6.054	19.99	-2.12	20.10				
100.00	100.00	100.95	100.95	0.79	0.79	-6.054	19.99	-2.12	20.10	18.52	1.58	12.742	
200.00	200.00	200.95	200.95	1.45	1.45	-6.054	19.99	-2.12	20.10	17.21	2.90	6.940	
300.00	300.00	300.95	300.95	1.89	1.90	-6.054	19.99	-2.12	20.10	16.32	3.79	5.308	
400.00	400.00	400.95	400.95	2.25	2.26	-6.054	19.99	-2.12	20.10	15.59	4.51	4.457	
500.00	500.00	500.95	500.95	2.57	2.57	-6.054	19.99	-2.12	20.10	14.96	5.14	3.912	
600.00	600.00	600.95	600.95	2.85	2.85	-6.054	19.99	-2.12	20.10	14.40	5.70	3.526	
700.00	700.00	700.95	700.95	3.11	3.11	-6.054	19.99	-2.12	20.10	13.88	6.22	3.233	
800.00	800.00	800.95	800.95	3.35	3.35	-6.054	19.99	-2.12	20.10	13.40	6.70	3.000	
900.00	900.00	900.95	900.95	3.58	3.58	-6.054	19.99	-2.12	20.10	12.95	7.15	2.811	
1,000.00	1,000.00	1,000.95	1,000.95	3.79	3.79	-6.054	19.99	-2.12	20.10	12.52	7.58	2.651	
1,100.00	1,100.00	1,100.95	1,100.95	3.99	4.00	-6.054	19.99	-2.12	20.10	12.11	7.99	2.516	
1,200.00	1,200.00	1,200.95	1,200.95	4.19	4.19	-6.054	19.99	-2.12	20.10	11.72	8.38	2.398	
1,300.00	1,300.00	1,300.95	1,300.95	4.38	4.38	-6.054	19.99	-2.12	20.10	11.34	8.76	2.294	
1,400.00	1,400.00	1,400.95	1,400.95	4.56	4.56	-6.054	19.99	-2.12	20.10	10.98	9.13	2.203	
1,500.00	1,500.00	1,500.95	1,500.95	4.74	4.74	-6.054	19.99	-2.12	20.10	10.62	9.48	2.120	
1,600.00	1,600.00	1,600.95	1,600.95	4.91	4.91	-6.054	19.99	-2.12	20.10	10.28	9.82	2.046	
1,700.00	1,700.00	1,700.95	1,700.95	5.08	5.08	-6.054	19.99	-2.12	20.10	9.94	10.16	1.979 Level 3	
1,800.00	1,800.00	1,800.95	1,800.95	5.24	5.24	-6.054	19.99	-2.12	20.10	9.62	10.49	1.917 Level 3	
1,900.00	1,900.00	1,900.95	1,900.95	5.40	5.40	-6.054	19.99	-2.12	20.10	9.30	10.81	1.860 Level 3	
1,916.35	1,916.35	1,917.30	1,917.30	5.43	5.43	-6.054	19.99	-2.12	20.10	9.24	10.86	1.851 Level 3, CC	
2,000.00	2,000.00	2,000.94	2,000.94	5.56	5.56	-6.053	19.99	-2.12	20.10	8.98	11.12	1.808 Level 3, ES, SF	
2,100.00	2,099.98	2,100.00	2,099.95	5.78	5.94	-153.561	22.06	-0.52	23.64	12.04	11.60	2.038	
2,200.00	2,199.84	2,198.28	2,197.92	5.99	6.31	-148.834	28.13	4.17	34.31	22.24	12.07	2.843	
2,300.00	2,299.45	2,294.84	2,293.67	6.21	6.68	-145.248	37.97	11.76	52.18	39.64	12.54	4.160	
2,400.00	2,398.70	2,388.97	2,386.29	6.46	7.05	-142.945	51.23	22.01	77.04	64.03	13.01	5.921	
2,500.00	2,497.47	2,481.19	2,476.15	6.73	7.25	-141.455	67.59	34.64	108.49	95.14	13.35	8.126	
2,600.00	2,595.62	2,574.82	2,567.12	7.02	7.47	-141.046	85.13	48.19	143.58	129.80	13.78	10.422	
2,700.00	2,693.06	2,667.44	2,657.11	7.33	7.71	-141.317	102.48	61.60	181.22	166.97	14.25	12.721	
2,800.00	2,790.00	2,759.40	2,746.45	7.62	7.97	-142.137	119.71	74.91	220.41	205.69	14.72	14.972	
2,900.00	2,886.93	2,851.35	2,835.79	7.91	8.24	-142.754	136.94	88.21	259.65	244.45	15.20	17.077	
3,000.00	2,983.87	2,943.30	2,925.12	8.21	8.53	-143.208	154.17	101.52	298.91	283.20	15.71	19.021	
3,100.00	3,080.81	3,035.24	3,014.46	8.54	8.83	-143.557	171.40	114.82	338.18	321.93	16.25	20.813	
3,200.00	3,177.74	3,127.19	3,103.79	8.88	9.15	-143.833	188.62	128.13	377.46	360.65	16.80	22.462	
3,300.00	3,274.68	3,219.14	3,193.13	9.23	9.47	-144.057	205.85	141.44	416.74	399.36	17.38	23.977	
3,400.00	3,371.61	3,311.09	3,282.46	9.60	9.81	-144.243	223.08	154.74	456.03	438.06	17.97	25.370	
3,500.00	3,468.55	3,403.04	3,371.80	9.97	10.15	-144.399	240.31	168.05	495.33	476.74	18.59	26.651	
3,600.00	3,565.49	3,494.99	3,461.14	10.36	10.50	-144.533	257.53	181.36	534.62	515.41	19.21	27.828	
3,700.00	3,662.42	3,586.94	3,550.47	10.75	10.86	-144.647	274.76	194.66	573.92	554.07	19.85	28.912	
3,800.00	3,759.36	3,678.89	3,639.81	11.16	11.23	-144.748	291.99	207.97	613.22	592.72	20.50	29.910	
3,900.00	3,856.30	3,770.84	3,729.14	11.57	11.60	-144.836	309.22	221.28	652.52	631.35	21.16	30.831	
4,000.00	3,953.23	3,862.79	3,818.48	11.98	11.98	-144.914	326.45	234.58	691.82	669.98	21.84	31.682	
4,100.00	4,050.17	3,954.74	3,907.81	12.40	12.36	-144.984	343.67	247.89	731.12	708.60	22.52	32.468	
4,200.00	4,147.11	4,046.69	3,997.15	12.83	12.75	-145.046	360.90	261.20	770.43	747.22	23.21	33.196	
4,300.00	4,244.04	4,138.64	4,086.48	13.26	13.14	-145.103	378.13	274.50	809.73	785.82	23.91	33.872	
4,400.00	4,340.98	4,230.59	4,175.82	13.70	13.53	-145.154	395.36	287.81	849.03	824.42	24.61	34.499	
4,500.00	4,437.91	4,322.53	4,265.15	14.14	13.93	-145.201	412.58	301.12	888.34	863.02	25.32	35.083	
4,600.00	4,534.85	4,414.48	4,354.49	14.58	14.33	-145.244	429.81	314.42	927.65	901.61	26.04	35.627	
4,700.00	4,631.79	4,506.43	4,443.82	15.02	14.73	-145.283	447.04	327.73	966.95	940.19	26.76	36.134	
4,800.00	4,728.72	4,598.38	4,533.16	15.47	15.14	-145.320	464.27	341.04	1,006.26	978.77	27.49	36.608	
4,900.00	4,825.66	4,690.33	4,622.50	15.92	15.55	-145.353	481.49	354.34	1,045.56	1,017.34	28.22	37.051	
5,000.00	4,922.60	4,782.28	4,711.83	16.38	15.96	-145.384	498.72	367.65	1,084.87	1,055.92	28.96	37.466	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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)		
5,100.00	5,019.53	4,874.23	4,801.17	16.83	16.37	-145.413	515.95	380.95	1,124.18	1,094.48	29.70	37.855	
5,200.00	5,116.47	4,966.18	4,890.50	17.29	16.79	-145.440	533.18	394.26	1,163.49	1,133.05	30.44	38.221	
5,300.00	5,213.41	5,058.13	4,979.84	17.75	17.20	-145.465	550.41	407.57	1,202.79	1,171.61	31.19	38.565	
5,400.00	5,310.34	5,150.08	5,069.17	18.21	17.62	-145.489	567.63	420.87	1,242.10	1,210.16	31.94	38.889	
5,500.00	5,407.28	5,242.03	5,158.51	18.68	18.04	-145.511	584.86	434.18	1,281.41	1,248.72	32.69	39.194	
5,600.00	5,504.22	5,333.98	5,247.84	19.14	18.46	-145.532	602.09	447.49	1,320.72	1,287.27	33.45	39.482	
5,700.00	5,601.15	5,425.93	5,337.18	19.61	18.89	-145.552	619.32	460.79	1,360.03	1,325.82	34.21	39.755	
5,800.00	5,698.09	5,517.88	5,426.51	20.08	19.31	-145.570	636.54	474.10	1,399.34	1,364.36	34.97	40.013	
5,900.00	5,795.02	5,609.82	5,515.85	20.55	19.74	-145.588	653.77	487.41	1,438.64	1,402.91	35.74	40.257	
6,000.00	5,891.96	5,701.77	5,605.18	21.02	20.16	-145.604	671.00	500.71	1,477.95	1,441.45	36.50	40.488	
6,100.00	5,988.90	5,793.72	5,694.52	21.49	20.59	-145.620	688.23	514.02	1,517.26	1,479.99	37.27	40.708	
6,200.00	6,085.83	5,885.67	5,783.86	21.96	21.02	-145.635	705.45	527.33	1,556.57	1,518.53	38.04	40.916	
6,300.00	6,182.77	5,977.62	5,873.19	22.43	21.45	-145.649	722.68	540.63	1,595.88	1,557.07	38.82	41.115	
6,400.00	6,279.71	6,069.57	5,962.53	22.91	21.88	-145.663	739.91	553.94	1,635.19	1,595.60	39.59	41.303	
6,500.00	6,376.64	6,161.52	6,051.86	23.38	22.31	-145.675	757.14	567.25	1,674.50	1,634.13	40.37	41.483	
6,600.00	6,473.61	6,253.51	6,141.24	23.84	22.74	-145.689	774.37	580.56	1,713.70	1,672.57	41.13	41.667	
6,700.00	6,571.18	6,346.32	6,231.40	24.33	23.18	-146.225	791.76	593.99	1,750.93	1,709.01	41.92	41.772	
6,800.00	6,669.45	6,440.11	6,322.53	24.80	23.62	-146.525	809.34	607.56	1,785.44	1,742.75	42.69	41.821	
6,900.00	6,768.30	6,534.79	6,414.52	25.25	24.06	-146.726	827.07	621.26	1,817.22	1,773.77	43.46	41.816	
7,000.00	6,867.62	6,630.23	6,507.25	25.67	24.51	-146.834	844.96	635.08	1,846.24	1,802.04	44.20	41.766	
7,100.00	6,967.29	6,726.33	6,600.61	26.06	24.97	-146.855	862.96	648.98	1,872.49	1,827.56	44.93	41.677	
7,200.00	7,067.18	6,822.96	6,694.49	26.40	25.42	-146.790	881.07	662.97	1,895.96	1,850.34	45.61	41.568	
7,300.00	7,167.16	7,301.01	7,168.11	26.54	27.31	4.181	924.68	696.65	1,905.49	1,857.48	48.01	39.688	
7,400.00	7,267.16	7,401.01	7,268.11	26.57	27.35	4.181	924.68	696.65	1,905.49	1,857.39	48.10	39.614	
7,500.00	7,367.16	7,501.01	7,368.11	26.59	27.39	4.181	924.68	696.65	1,905.49	1,857.31	48.18	39.552	
7,600.00	7,467.16	7,601.01	7,468.11	26.61	27.44	4.181	924.68	696.65	1,905.49	1,857.24	48.25	39.491	
7,700.00	7,567.16	7,701.01	7,568.11	26.63	27.48	4.181	924.68	696.65	1,905.49	1,857.16	48.33	39.430	
7,800.00	7,667.16	7,801.01	7,668.11	26.66	27.52	4.181	924.68	696.65	1,905.49	1,857.09	48.40	39.368	
7,900.00	7,767.16	7,901.01	7,768.11	26.68	27.56	4.181	924.68	696.65	1,905.49	1,857.01	48.48	39.306	
8,000.00	7,867.16	8,001.01	7,868.11	26.70	27.60	4.181	924.68	696.65	1,905.49	1,856.93	48.55	39.244	
8,100.00	7,967.16	8,101.01	7,968.11	26.73	27.65	4.181	924.68	696.65	1,905.49	1,856.86	48.63	39.182	
8,200.00	8,067.16	8,201.01	8,068.11	26.75	27.69	4.181	924.68	696.65	1,905.49	1,856.78	48.71	39.120	
8,300.00	8,167.16	8,301.01	8,168.11	26.77	27.73	4.181	924.68	696.65	1,905.49	1,856.70	48.79	39.057	
8,400.00	8,267.16	8,401.01	8,268.11	26.80	27.78	4.181	924.68	696.65	1,905.49	1,856.62	48.87	38.995	
8,500.00	8,367.16	8,501.01	8,368.11	26.82	27.82	4.181	924.68	696.65	1,905.49	1,856.54	48.94	38.932	
8,600.00	8,467.16	8,601.01	8,468.11	26.85	27.86	4.181	924.68	696.65	1,905.49	1,856.46	49.02	38.869	
8,700.00	8,567.16	8,701.01	8,568.11	26.87	27.91	4.181	924.68	696.65	1,905.49	1,856.38	49.10	38.806	
8,800.00	8,667.16	8,801.01	8,668.11	26.90	27.95	4.181	924.68	696.65	1,905.49	1,856.30	49.18	38.743	
8,900.00	8,767.16	8,901.01	8,768.11	26.92	27.99	4.181	924.68	696.65	1,905.49	1,856.22	49.26	38.680	
9,000.00	8,867.16	9,001.01	8,868.11	26.95	28.04	4.181	924.68	696.65	1,905.49	1,856.14	49.34	38.617	
9,100.00	8,967.16	9,101.01	8,968.11	26.98	28.08	4.181	924.68	696.65	1,905.49	1,856.06	49.42	38.554	
9,200.00	9,067.16	9,201.01	9,068.11	27.00	28.13	4.181	924.68	696.65	1,905.49	1,855.98	49.51	38.490	
9,300.00	9,167.16	9,301.01	9,168.11	27.03	28.17	4.181	924.68	696.65	1,905.49	1,855.90	49.59	38.427	
9,400.00	9,267.16	9,401.01	9,268.11	27.05	28.22	4.181	924.68	696.65	1,905.49	1,855.82	49.67	38.363	
9,500.00	9,367.16	9,501.01	9,368.11	27.08	28.26	4.181	924.68	696.65	1,905.49	1,855.73	49.75	38.299	
9,600.00	9,467.16	9,601.01	9,468.11	27.11	28.31	4.181	924.68	696.65	1,905.49	1,855.65	49.84	38.235	
9,700.00	9,567.16	9,701.01	9,568.11	27.13	28.35	4.181	924.68	696.65	1,905.49	1,855.57	49.92	38.172	
9,800.00	9,667.02	9,787.71	9,654.74	27.25	28.46	-85.669	924.69	699.08	1,905.44	1,855.46	49.97	38.129	
9,900.00	9,764.89	9,867.75	9,733.67	27.49	28.68	-85.792	924.73	711.98	1,905.15	1,855.08	50.07	38.050	
10,000.00	9,857.80	9,950.00	9,812.09	27.77	28.95	-86.026	924.80	736.55	1,904.62	1,854.39	50.24	37.913	
10,100.00	9,942.95	10,029.59	9,883.88	28.07	29.23	-86.353	924.90	770.76	1,903.91	1,853.41	50.49	37.706	
10,200.00	10,017.74	10,112.03	9,952.50	28.37	29.53	-86.779	925.04	816.33	1,903.07	1,852.19	50.88	37.402	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
10,246.48	10,048.32	10,150.00	9,981.74	28.52	29.67	-87.001	925.11	840.53	1,902.67	1,851.54	51.13	37.212	
10,300.00	10,079.89	10,195.96	10,014.91	28.69	29.83	-87.288	925.21	872.34	1,902.20	1,850.75	51.45	36.974	
10,341.64	10,101.58	10,231.44	10,038.70	28.83	29.96	-87.522	925.28	898.65	1,901.84	1,850.07	51.77	36.737	
10,400.00	10,127.53	10,281.79	10,069.57	29.03	30.15	-87.870	925.40	938.41	1,901.37	1,849.12	52.25	36.392	
10,439.10	10,141.88	10,315.97	10,088.48	29.18	30.27	-88.115	925.49	966.87	1,901.07	1,848.42	52.65	36.106	
10,500.00	10,159.20	10,369.97	10,114.82	29.42	30.47	-88.512	925.63	1,013.99	1,900.67	1,847.35	53.32	35.644	
10,538.06	10,166.84	10,404.26	10,129.19	29.59	30.60	-88.769	925.72	1,045.11	1,900.46	1,846.63	53.82	35.309	
10,600.00	10,173.94	10,461.01	10,148.80	29.88	30.81	-89.200	925.88	1,098.35	1,900.19	1,845.50	54.69	34.743	
10,638.70	10,175.84	10,497.30	10,158.55	30.09	30.95	-89.445	925.98	1,133.29	1,900.09	1,844.77	55.31	34.351	
10,700.00	10,175.00	10,556.11	10,169.59	30.43	31.19	-89.808	926.16	1,191.03	1,900.01	1,843.65	56.35	33.716	
10,742.88	10,175.00	10,598.47	10,173.84	30.72	31.37	-89.936	926.28	1,233.17	1,900.00	1,842.83	57.17	33.235	
10,779.01	10,175.00	10,634.49	10,175.00	30.98	31.53	-89.971	926.39	1,269.16	1,899.99	1,842.12	57.87	32.830	
10,800.00	10,175.00	10,655.48	10,175.00	31.13	31.63	-89.971	926.45	1,290.15	1,899.99	1,841.70	58.30	32.592	
10,823.29	10,175.00	10,678.77	10,175.00	31.32	31.75	-89.971	926.52	1,313.45	1,899.99	1,841.20	58.79	32.318	
10,900.00	10,175.00	10,755.48	10,175.00	31.97	32.18	-89.971	926.75	1,390.15	1,899.99	1,839.53	60.47	31.421	
10,923.29	10,175.00	10,778.77	10,175.00	32.20	32.33	-89.971	926.82	1,413.45	1,899.99	1,838.99	61.01	31.143	
11,000.00	10,175.00	10,855.48	10,175.00	32.96	32.87	-89.971	927.05	1,490.15	1,899.99	1,837.16	62.84	30.238	
11,023.29	10,175.00	10,878.77	10,175.00	33.21	33.05	-89.971	927.12	1,513.44	1,900.00	1,836.58	63.42	29.961	
11,100.00	10,175.00	10,955.48	10,175.00	34.07	33.70	-89.971	927.35	1,590.15	1,900.00	1,834.62	65.38	29.062	
11,123.29	10,175.00	10,978.77	10,175.00	34.35	33.91	-89.971	927.42	1,613.44	1,900.00	1,834.00	66.00	28.789	
11,200.00	10,175.00	11,055.48	10,175.00	35.30	34.67	-89.971	927.64	1,690.15	1,900.00	1,831.92	68.08	27.909	
11,223.29	10,175.00	11,078.77	10,175.00	35.60	34.92	-89.971	927.71	1,713.44	1,900.00	1,831.27	68.73	27.645	
11,300.00	10,175.00	11,155.48	10,175.00	36.63	35.78	-89.971	927.94	1,790.15	1,900.00	1,829.08	70.92	26.792	
11,323.29	10,175.00	11,178.77	10,175.00	36.95	36.05	-89.971	928.01	1,813.44	1,900.00	1,828.40	71.60	26.537	
11,400.00	10,175.00	11,255.48	10,175.00	38.04	37.00	-89.971	928.24	1,890.15	1,900.00	1,826.12	73.88	25.718	
11,423.29	10,175.00	11,278.77	10,175.00	38.38	37.30	-89.971	928.31	1,913.44	1,900.00	1,825.41	74.59	25.474	
11,500.00	10,175.00	11,355.48	10,175.00	39.53	38.33	-89.971	928.54	1,990.15	1,900.00	1,823.05	76.95	24.692	
11,523.29	10,175.00	11,378.77	10,175.00	39.89	38.65	-89.971	928.61	2,013.44	1,900.00	1,822.32	77.68	24.459	
11,600.00	10,175.00	11,455.48	10,175.00	41.08	39.74	-89.971	928.84	2,090.15	1,900.00	1,819.88	80.12	23.716	
11,623.29	10,175.00	11,478.77	10,175.00	41.45	40.08	-89.971	928.91	2,113.44	1,900.00	1,819.13	80.87	23.495	
11,700.00	10,175.00	11,555.48	10,175.00	42.68	41.24	-89.971	929.14	2,190.15	1,900.00	1,816.63	83.37	22.790	
11,723.29	10,175.00	11,578.77	10,175.00	43.06	41.59	-89.971	929.20	2,213.44	1,900.00	1,815.86	84.14	22.582	
11,800.00	10,175.00	11,655.48	10,175.00	44.33	42.79	-89.971	929.43	2,290.15	1,900.00	1,813.30	86.70	21.915	
11,823.29	10,175.00	11,678.77	10,175.00	44.72	43.16	-89.971	929.50	2,313.44	1,900.00	1,812.51	87.48	21.718	
11,900.00	10,175.00	11,755.48	10,175.00	46.02	44.40	-89.971	929.73	2,390.15	1,900.00	1,809.90	90.09	21.089	
11,923.29	10,175.00	11,778.77	10,175.00	46.42	44.79	-89.971	929.80	2,413.44	1,900.00	1,809.10	90.89	20.904	
12,000.00	10,175.00	11,855.48	10,175.00	47.74	46.06	-89.971	930.03	2,490.15	1,900.00	1,806.45	93.55	20.310	
12,023.29	10,175.00	11,878.77	10,175.00	48.15	46.45	-89.971	930.10	2,513.44	1,900.00	1,805.63	94.36	20.135	
12,100.00	10,175.00	11,955.48	10,175.00	49.50	47.76	-89.971	930.33	2,590.15	1,900.00	1,802.94	97.06	19.576	
12,123.29	10,175.00	11,978.77	10,175.00	49.91	48.16	-89.971	930.40	2,613.44	1,900.00	1,802.11	97.88	19.411	
12,200.00	10,175.00	12,055.48	10,175.00	51.28	49.49	-89.971	930.63	2,690.15	1,900.00	1,799.38	100.61	18.884	
12,223.29	10,175.00	12,078.77	10,175.00	51.70	49.90	-89.971	930.70	2,713.44	1,900.00	1,798.55	101.45	18.728	
12,300.00	10,175.00	12,155.48	10,175.00	53.08	51.26	-89.971	930.92	2,790.15	1,900.00	1,795.78	104.21	18.232	
12,323.29	10,175.00	12,178.77	10,175.00	53.50	51.67	-89.971	930.99	2,813.44	1,900.00	1,794.94	105.06	18.085	
12,400.00	10,175.00	12,255.48	10,175.00	54.90	53.04	-89.971	931.22	2,890.15	1,900.00	1,792.14	107.85	17.616	
12,423.29	10,175.00	12,278.77	10,175.00	55.33	53.46	-89.971	931.29	2,913.44	1,900.00	1,791.29	108.71	17.478	
12,500.00	10,175.00	12,355.48	10,175.00	56.74	54.86	-89.971	931.52	2,990.15	1,900.00	1,788.47	111.53	17.036	
12,523.29	10,175.00	12,378.77	10,175.00	57.18	55.28	-89.971	931.59	3,013.44	1,900.00	1,787.61	112.39	16.906	
12,600.00	10,175.00	12,455.48	10,175.00	58.60	56.69	-89.971	931.82	3,090.14	1,900.00	1,784.76	115.23	16.488	
12,623.29	10,175.00	12,478.77	10,175.00	59.04	57.12	-89.971	931.89	3,113.44	1,900.00	1,783.89	116.10	16.365	
12,700.00	10,175.00	12,555.48	10,175.00	60.47	58.54	-89.971	932.12	3,190.14	1,900.00	1,781.03	118.97	15.971	
12,723.29	10,175.00	12,578.77	10,175.00	60.91	58.97	-89.971	932.19	3,213.44	1,900.00	1,780.15	119.84	15.854	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,800.00	10,175.00	12,655.48	10,175.00	62.36	60.40	-89.971	932.42	3,290.14	1,900.00	1,777.27	122.73	15.481			
12,823.29	10,175.00	12,678.77	10,175.00	62.80	60.84	-89.971	932.49	3,313.44	1,900.00	1,776.39	123.61	15.371			
12,900.00	10,175.00	12,755.48	10,175.00	64.26	62.28	-89.971	932.71	3,390.14	1,900.00	1,773.48	126.51	15.018			
12,923.29	10,175.00	12,778.77	10,175.00	64.70	62.72	-89.971	932.78	3,413.44	1,900.00	1,772.60	127.40	14.914			
13,000.00	10,175.00	12,855.48	10,175.00	66.16	64.17	-89.971	933.01	3,490.14	1,900.00	1,769.68	130.32	14.580			
13,023.29	10,175.00	12,878.77	10,175.00	66.61	64.61	-89.971	933.08	3,513.44	1,900.00	1,768.79	131.21	14.481			
13,100.00	10,175.00	12,955.48	10,175.00	68.08	66.08	-89.971	933.31	3,590.14	1,900.00	1,765.85	134.14	14.164			
13,123.29	10,175.00	12,978.77	10,175.00	68.53	66.52	-89.971	933.38	3,613.44	1,900.00	1,764.96	135.04	14.070			
13,200.00	10,175.00	13,055.48	10,175.00	70.01	67.99	-89.971	933.61	3,690.14	1,900.00	1,762.01	137.99	13.769			
13,223.29	10,175.00	13,078.77	10,175.00	70.46	68.44	-89.971	933.68	3,713.43	1,900.00	1,761.11	138.89	13.680			
13,300.00	10,175.00	13,155.48	10,175.00	71.94	69.91	-89.971	933.91	3,790.14	1,900.00	1,758.15	141.85	13.395			
13,323.29	10,175.00	13,178.77	10,175.00	72.40	70.36	-89.971	933.98	3,813.43	1,900.00	1,757.25	142.75	13.310			
13,400.00	10,175.00	13,255.48	10,175.00	73.89	71.84	-89.971	934.21	3,890.14	1,900.00	1,754.27	145.72	13.038			
13,423.29	10,175.00	13,278.77	10,175.00	74.34	72.29	-89.971	934.27	3,913.43	1,900.00	1,753.37	146.63	12.958			
13,500.00	10,175.00	13,355.48	10,175.00	75.83	73.78	-89.971	934.50	3,990.14	1,900.00	1,750.38	149.61	12.699			
13,523.29	10,175.00	13,378.77	10,175.00	76.29	74.24	-89.971	934.57	4,013.43	1,900.00	1,749.47	150.52	12.623			
13,600.00	10,175.00	13,455.48	10,175.00	77.79	75.73	-89.971	934.80	4,090.14	1,900.00	1,746.48	153.52	12.377			
13,623.29	10,175.00	13,478.77	10,175.00	78.25	76.18	-89.971	934.87	4,113.43	1,900.00	1,745.57	154.43	12.304			
13,700.00	10,175.00	13,555.48	10,175.00	79.75	77.68	-89.971	935.10	4,190.14	1,900.00	1,742.57	157.43	12.069			
13,723.29	10,175.00	13,578.77	10,175.00	80.21	78.14	-89.971	935.17	4,213.43	1,900.00	1,741.65	158.34	11.999			
13,800.00	10,175.00	13,655.48	10,175.00	81.72	79.64	-89.971	935.40	4,290.14	1,900.00	1,738.64	161.36	11.775			
13,823.29	10,175.00	13,678.77	10,175.00	82.18	80.10	-89.971	935.47	4,313.43	1,900.00	1,737.72	162.27	11.709			
13,900.00	10,175.00	13,755.48	10,175.00	83.69	81.61	-89.971	935.70	4,390.14	1,900.00	1,734.70	165.29	11.495			
13,923.29	10,175.00	13,778.77	10,175.00	84.15	82.07	-89.971	935.77	4,413.43	1,900.00	1,733.78	166.21	11.431			
14,000.00	10,175.00	13,855.48	10,175.00	85.67	83.58	-89.971	935.99	4,490.14	1,900.00	1,730.76	169.24	11.227			
14,023.29	10,175.00	13,878.77	10,175.00	86.13	84.04	-89.971	936.06	4,513.43	1,900.00	1,729.84	170.16	11.166			
14,100.00	10,175.00	13,955.48	10,175.00	87.65	85.55	-89.971	936.29	4,590.14	1,900.00	1,726.80	173.20	10.970			
14,123.29	10,175.00	13,978.77	10,175.00	88.11	86.02	-89.971	936.36	4,613.43	1,900.00	1,725.88	174.12	10.912			
14,200.00	10,175.00	14,055.48	10,175.00	89.63	87.53	-89.971	936.59	4,690.14	1,900.00	1,722.84	177.16	10.725			
14,223.29	10,175.00	14,078.77	10,175.00	90.10	88.00	-89.971	936.66	4,713.43	1,900.00	1,721.91	178.08	10.669			
14,300.00	10,175.00	14,155.48	10,175.00	91.62	89.52	-89.971	936.89	4,790.14	1,900.00	1,718.87	181.13	10.490			
14,323.29	10,175.00	14,178.77	10,175.00	92.09	89.98	-89.971	936.96	4,813.43	1,900.00	1,717.94	182.06	10.436			
14,400.00	10,175.00	14,255.48	10,175.00	93.61	91.51	-89.971	937.19	4,890.14	1,900.00	1,714.89	185.11	10.264			
14,423.29	10,175.00	14,278.77	10,175.00	94.08	91.97	-89.971	937.26	4,913.43	1,900.00	1,713.96	186.04	10.213			
14,500.00	10,175.00	14,355.48	10,175.00	95.61	93.50	-89.971	937.49	4,990.14	1,900.00	1,710.90	189.10	10.048			
14,523.29	10,175.00	14,378.77	10,175.00	96.07	93.96	-89.971	937.55	5,013.43	1,900.00	1,709.97	190.03	9.999			
14,600.00	10,175.00	14,455.48	10,175.00	97.61	95.49	-89.971	937.78	5,090.14	1,900.00	1,706.91	193.09	9.840			
14,623.29	10,175.00	14,478.77	10,175.00	98.07	95.96	-89.971	937.85	5,113.43	1,900.00	1,705.98	194.02	9.793			
14,700.00	10,175.00	14,555.48	10,175.00	99.61	97.49	-89.971	938.08	5,190.14	1,900.00	1,702.91	197.09	9.640			
14,723.29	10,175.00	14,578.77	10,175.00	100.08	97.96	-89.971	938.15	5,213.43	1,900.00	1,701.98	198.02	9.595			
14,800.00	10,175.00	14,655.48	10,175.00	101.61	99.49	-89.971	938.38	5,290.13	1,900.00	1,698.91	201.09	9.448			
14,823.29	10,175.00	14,678.77	10,175.00	102.08	99.96	-89.971	938.45	5,313.43	1,900.00	1,697.97	202.02	9.405			
14,900.00	10,175.00	14,755.48	10,175.00	103.62	101.50	-89.971	938.68	5,390.13	1,900.00	1,694.90	205.10	9.264			
14,923.29	10,175.00	14,778.77	10,175.00	104.09	101.96	-89.971	938.75	5,413.43	1,900.00	1,693.96	206.04	9.222			
15,000.00	10,175.00	14,855.48	10,175.00	105.63	103.50	-89.971	938.98	5,490.13	1,900.00	1,690.88	209.12	9.086			
15,023.29	10,175.00	14,878.77	10,175.00	106.10	103.97	-89.971	939.05	5,513.43	1,900.00	1,689.95	210.05	9.045			
15,100.00	10,175.00	14,955.48	10,175.00	107.64	105.51	-89.971	939.27	5,590.13	1,900.00	1,686.86	213.13	8.915			
15,123.29	10,175.00	14,978.77	10,175.00	108.11	105.98	-89.971	939.34	5,613.43	1,900.00	1,685.93	214.07	8.876			
15,200.00	10,175.00	15,055.48	10,175.00	109.65	107.52	-89.971	939.57	5,690.13	1,900.00	1,682.84	217.16	8.749			
15,223.29	10,175.00	15,078.77	10,175.00	110.12	107.99	-89.971	939.64	5,713.43	1,900.00	1,681.90	218.10	8.712			
15,300.00	10,175.00	15,155.48	10,175.00	111.67	109.54	-89.971	939.87	5,790.13	1,900.00	1,678.81	221.19	8.590			
15,323.29	10,175.00	15,178.77	10,175.00	112.14	110.00	-89.971	939.94	5,813.43	1,900.00	1,677.87	222.13	8.554			

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 (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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		Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
15,400.00	10,175.00	15,255.48	10,175.00	113.69	111.55	-89.971	940.17	5,890.13	1,900.00	1,674.78	225.22	8.436			
15,423.29	10,175.00	15,278.77	10,175.00	114.16	112.02	-89.971	940.24	5,913.43	1,900.00	1,673.84	226.16	8.401			
15,500.00	10,175.00	15,355.48	10,175.00	115.71	113.57	-89.971	940.47	5,990.13	1,900.00	1,670.74	229.26	8.288			
15,523.29	10,175.00	15,378.77	10,175.00	116.18	114.04	-89.971	940.54	6,013.42	1,900.00	1,669.80	230.20	8.254			
15,600.00	10,175.00	15,455.48	10,175.00	117.73	115.59	-89.971	940.77	6,090.13	1,900.00	1,666.70	233.29	8.144			
15,623.29	10,175.00	15,478.77	10,175.00	118.20	116.06	-89.971	940.84	6,113.42	1,900.00	1,665.76	234.24	8.111			
15,700.00	10,175.00	15,555.48	10,175.00	119.75	117.61	-89.971	941.06	6,190.13	1,900.00	1,662.66	237.34	8.005			
15,723.29	10,175.00	15,578.77	10,175.00	120.22	118.08	-89.971	941.13	6,213.42	1,900.00	1,661.72	238.28	7.974			
15,800.00	10,175.00	15,655.48	10,175.00	121.78	119.63	-89.971	941.36	6,290.13	1,900.00	1,658.61	241.38	7.871			
15,823.29	10,175.00	15,678.77	10,175.00	122.25	120.10	-89.971	941.43	6,313.42	1,900.00	1,657.67	242.33	7.841			
15,900.00	10,175.00	15,755.48	10,175.00	123.80	121.66	-89.971	941.66	6,390.13	1,900.00	1,654.56	245.43	7.741			
15,923.29	10,175.00	15,778.77	10,175.00	124.27	122.13	-89.971	941.73	6,413.42	1,900.00	1,653.62	246.38	7.712			
16,000.00	10,175.00	15,855.48	10,175.00	125.83	123.68	-89.971	941.96	6,490.13	1,900.00	1,650.51	249.49	7.616			
16,023.29	10,175.00	15,878.77	10,175.00	126.30	124.15	-89.971	942.03	6,513.42	1,900.00	1,649.57	250.43	7.587			
16,100.00	10,175.00	15,955.48	10,175.00	127.86	125.71	-89.971	942.26	6,590.13	1,900.00	1,646.46	253.54	7.494			
16,123.29	10,175.00	15,978.77	10,175.00	128.33	126.18	-89.971	942.33	6,613.42	1,900.00	1,645.51	254.49	7.466			
16,200.00	10,175.00	16,055.48	10,175.00	129.89	127.74	-89.971	942.56	6,690.13	1,900.00	1,642.40	257.60	7.376			
16,223.29	10,175.00	16,078.77	10,175.00	130.36	128.21	-89.971	942.62	6,713.42	1,900.00	1,641.45	258.55	7.349			
16,300.00	10,175.00	16,155.48	10,175.00	131.92	129.77	-89.971	942.85	6,790.13	1,900.00	1,638.34	261.66	7.261			
16,323.29	10,175.00	16,178.77	10,175.00	132.39	130.24	-89.971	942.92	6,813.42	1,900.00	1,637.39	262.61	7.235			
16,400.00	10,175.00	16,255.48	10,175.00	133.95	131.80	-89.971	943.15	6,890.13	1,900.00	1,634.27	265.72	7.150			
16,423.29	10,175.00	16,278.77	10,175.00	134.43	132.27	-89.971	943.22	6,913.42	1,900.00	1,633.33	266.67	7.125			
16,500.00	10,175.00	16,355.48	10,175.00	135.99	133.83	-89.971	943.45	6,990.13	1,900.00	1,630.21	269.79	7.043			
16,523.29	10,175.00	16,378.77	10,175.00	136.46	134.30	-89.971	943.52	7,013.42	1,900.00	1,629.26	270.74	7.018			
16,600.00	10,175.00	16,455.48	10,175.00	138.02	135.86	-89.971	943.75	7,090.13	1,900.00	1,626.14	273.86	6.938			
16,623.29	10,175.00	16,478.77	10,175.00	138.49	136.34	-89.971	943.82	7,113.42	1,900.00	1,625.19	274.80	6.914			
16,700.00	10,175.00	16,555.48	10,175.00	140.06	137.90	-89.971	944.05	7,190.13	1,900.00	1,622.07	277.93	6.836			
16,723.29	10,175.00	16,578.77	10,175.00	140.53	138.37	-89.971	944.12	7,213.42	1,900.00	1,621.12	278.87	6.813			
16,800.00	10,175.00	16,655.48	10,175.00	142.09	139.93	-89.971	944.34	7,290.13	1,900.00	1,618.00	282.00	6.738			
16,823.29	10,175.00	16,678.77	10,175.00	142.57	140.41	-89.971	944.41	7,313.42	1,900.00	1,617.05	282.95	6.715			
16,900.00	10,175.00	16,755.48	10,175.00	144.13	141.97	-89.971	944.64	7,390.13	1,900.00	1,613.93	286.07	6.642			
16,923.29	10,175.00	16,778.77	10,175.00	144.60	142.45	-89.971	944.71	7,413.42	1,900.00	1,612.98	287.02	6.620			
17,000.00	10,175.00	16,855.48	10,175.00	146.17	144.01	-89.971	944.94	7,490.13	1,900.00	1,609.85	290.15	6.548			
17,023.29	10,175.00	16,878.77	10,175.00	146.64	144.48	-89.971	945.01	7,513.42	1,900.00	1,608.90	291.10	6.527			
17,100.00	10,175.00	16,955.48	10,175.00	148.21	146.05	-89.971	945.24	7,590.12	1,900.00	1,605.77	294.22	6.458			
17,123.29	10,175.00	16,978.77	10,175.00	148.68	146.52	-89.971	945.31	7,613.42	1,900.00	1,604.82	295.17	6.437			
17,200.00	10,175.00	17,055.48	10,175.00	150.25	148.09	-89.971	945.54	7,690.12	1,900.00	1,601.69	298.30	6.369			
17,223.29	10,175.00	17,078.77	10,175.00	150.72	148.56	-89.971	945.61	7,713.42	1,900.00	1,600.74	299.25	6.349			
17,300.00	10,175.00	17,155.48	10,175.00	152.29	150.13	-89.971	945.84	7,790.12	1,900.00	1,597.61	302.38	6.283			
17,323.29	10,175.00	17,178.77	10,175.00	152.76	150.60	-89.971	945.91	7,813.42	1,900.00	1,596.66	303.33	6.264			
17,400.00	10,175.00	17,255.48	10,175.00	154.33	152.17	-89.971	946.13	7,890.12	1,900.00	1,593.53	306.47	6.200			
17,423.29	10,175.00	17,278.77	10,175.00	154.81	152.64	-89.971	946.20	7,913.42	1,900.00	1,592.58	307.42	6.181			
17,500.00	10,175.00	17,355.48	10,175.00	156.37	154.21	-89.971	946.43	7,990.12	1,900.00	1,589.45	310.55	6.118			
17,523.29	10,175.00	17,378.77	10,175.00	156.85	154.68	-89.971	946.50	8,013.42	1,900.00	1,588.50	311.50	6.099			
17,600.00	10,175.00	17,455.48	10,175.00	158.42	156.25	-89.971	946.73	8,090.12	1,900.00	1,585.36	314.63	6.039			
17,623.29	10,175.00	17,478.77	10,175.00	158.89	156.73	-89.971	946.80	8,113.42	1,900.00	1,584.41	315.59	6.021			
17,700.00	10,175.00	17,555.48	10,175.00	160.46	158.29	-89.971	947.03	8,190.12	1,900.00	1,581.28	318.72	5.961			
17,723.29	10,175.00	17,578.77	10,175.00	160.94	158.77	-89.971	947.10	8,213.41	1,900.00	1,580.32	319.67	5.944			
17,800.00	10,175.00	17,655.48	10,175.00	162.50	160.34	-89.971	947.33	8,290.12	1,900.00	1,577.19	322.81	5.886			
17,823.29	10,175.00	17,678.77	10,175.00	162.98	160.81	-89.971	947.40	8,313.41	1,900.00	1,576.24	323.76	5.869			
17,900.00	10,175.00	17,755.48	10,175.00	164.55	162.38	-89.971	947.63	8,390.12	1,900.00	1,573.10	326.90	5.812			
17,923.29	10,175.00	17,778.77	10,175.00	165.03	162.86	-89.971	947.69	8,413.41	1,900.00	1,572.15	327.85	5.795			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
18,000.00	10,175.00	17,855.48	10,175.00	166.59	164.43	-89.971	947.92	8,490.12	1,900.00	1,569.01	330.99	5.740	
18,023.29	10,175.00	17,878.77	10,175.00	167.07	164.90	-89.971	947.99	8,513.41	1,900.00	1,568.06	331.94	5.724	
18,100.00	10,175.00	17,955.48	10,175.00	168.64	166.47	-89.971	948.22	8,590.12	1,900.00	1,564.92	335.08	5.670	
18,123.29	10,175.00	17,978.77	10,175.00	169.12	166.95	-89.971	948.29	8,613.41	1,900.00	1,563.96	336.03	5.654	
18,200.00	10,175.00	18,055.48	10,175.00	170.69	168.52	-89.971	948.52	8,690.12	1,900.00	1,560.82	339.17	5.602	
18,223.29	10,175.00	18,078.77	10,175.00	171.16	169.00	-89.971	948.59	8,713.41	1,900.00	1,559.87	340.13	5.586	
18,300.00	10,175.00	18,155.48	10,175.00	172.73	170.57	-89.971	948.82	8,790.12	1,900.00	1,556.73	343.27	5.535	
18,323.29	10,175.00	18,178.77	10,175.00	173.21	171.04	-89.971	948.89	8,813.41	1,900.00	1,555.78	344.22	5.520	
18,400.00	10,175.00	18,255.48	10,175.00	174.78	172.61	-89.971	949.12	8,890.12	1,900.00	1,552.64	347.36	5.470	
18,423.29	10,175.00	18,278.77	10,175.00	175.26	173.09	-89.971	949.19	8,913.41	1,900.00	1,551.68	348.32	5.455	
18,500.00	10,175.00	18,355.48	10,175.00	176.83	174.66	-89.971	949.41	8,990.12	1,900.00	1,548.54	351.46	5.406	
18,523.29	10,175.00	18,378.77	10,175.00	177.31	175.14	-89.971	949.48	9,013.41	1,900.00	1,547.59	352.41	5.391	
18,600.00	10,175.00	18,455.48	10,175.00	178.88	176.71	-89.971	949.71	9,090.12	1,900.00	1,544.44	355.56	5.344	
18,623.29	10,175.00	18,478.77	10,175.00	179.36	177.19	-89.971	949.78	9,113.41	1,900.00	1,543.49	356.51	5.329	
18,700.00	10,175.00	18,555.48	10,175.00	180.93	178.76	-89.971	950.01	9,190.12	1,900.00	1,540.34	359.65	5.283	
18,723.29	10,175.00	18,578.77	10,175.00	181.41	179.24	-89.971	950.08	9,213.41	1,900.00	1,539.39	360.61	5.269	
18,800.00	10,175.00	18,655.48	10,175.00	182.98	180.81	-89.971	950.31	9,290.12	1,900.00	1,536.25	363.75	5.223	
18,823.29	10,175.00	18,678.77	10,175.00	183.46	181.29	-89.971	950.38	9,313.41	1,900.00	1,535.29	364.71	5.210	
18,900.00	10,175.00	18,755.48	10,175.00	185.03	182.86	-89.971	950.61	9,390.12	1,900.00	1,532.15	367.85	5.165	
18,923.29	10,175.00	18,778.77	10,175.00	185.51	183.34	-89.971	950.68	9,413.41	1,900.00	1,531.19	368.81	5.152	
19,000.00	10,175.00	18,855.48	10,175.00	187.08	184.91	-89.971	950.91	9,490.12	1,900.00	1,528.04	371.95	5.108	
19,023.29	10,175.00	18,878.77	10,175.00	187.56	185.39	-89.971	950.97	9,513.41	1,900.00	1,527.09	372.91	5.095	
19,100.00	10,175.00	18,955.48	10,175.00	189.13	186.96	-89.971	951.20	9,590.12	1,900.00	1,523.94	376.06	5.052	
19,123.29	10,175.00	18,978.77	10,175.00	189.61	187.44	-89.971	951.27	9,613.41	1,900.00	1,522.99	377.01	5.040	
19,200.00	10,175.00	19,055.48	10,175.00	191.18	189.01	-89.971	951.50	9,690.12	1,900.00	1,519.84	380.16	4.998	
19,223.29	10,175.00	19,078.77	10,175.00	191.66	189.49	-89.971	951.57	9,713.41	1,900.00	1,518.88	381.11	4.985	
19,300.00	10,175.00	19,155.48	10,175.00	193.23	191.06	-89.971	951.80	9,790.11	1,900.00	1,515.74	384.26	4.945	
19,323.29	10,175.00	19,178.77	10,175.00	193.71	191.54	-89.971	951.87	9,813.41	1,900.00	1,514.78	385.22	4.932	
19,400.00	10,175.00	19,255.48	10,175.00	195.29	193.11	-89.971	952.10	9,890.11	1,900.00	1,511.63	388.37	4.892	
19,423.29	10,175.00	19,278.77	10,175.00	195.76	193.59	-89.971	952.17	9,913.41	1,900.00	1,510.68	389.32	4.880	
19,500.00	10,175.00	19,355.48	10,175.00	197.34	195.17	-89.971	952.40	9,990.11	1,900.00	1,507.53	392.47	4.841	
19,523.29	10,175.00	19,378.77	10,175.00	197.82	195.64	-89.971	952.47	10,013.41	1,900.00	1,506.57	393.43	4.829	
19,600.00	10,175.00	19,455.48	10,175.00	199.39	197.22	-89.971	952.69	10,090.11	1,900.00	1,503.42	396.58	4.791	
19,623.29	10,175.00	19,478.77	10,175.00	199.87	197.70	-89.971	952.76	10,113.41	1,900.00	1,502.47	397.53	4.779	
19,700.00	10,175.00	19,555.48	10,175.00	201.45	199.27	-89.971	952.99	10,190.11	1,900.00	1,499.32	400.68	4.742	
19,723.29	10,175.00	19,578.77	10,175.00	201.92	199.75	-89.971	953.06	10,213.41	1,900.00	1,498.36	401.64	4.731	
19,800.00	10,175.00	19,655.48	10,175.00	203.50	201.32	-89.971	953.29	10,290.11	1,900.00	1,495.21	404.79	4.694	
19,823.29	10,175.00	19,678.77	10,175.00	203.98	201.80	-89.971	953.36	10,313.41	1,900.00	1,494.25	405.75	4.683	
19,900.00	10,175.00	19,755.48	10,175.00	205.55	203.38	-89.971	953.59	10,390.11	1,900.00	1,491.10	408.90	4.647	
19,923.29	10,175.00	19,778.77	10,175.00	206.03	203.86	-89.971	953.66	10,413.41	1,900.00	1,490.15	409.85	4.636	
20,000.00	10,175.00	19,855.48	10,175.00	207.61	205.43	-89.971	953.89	10,490.11	1,900.00	1,486.99	413.00	4.600	
20,023.29	10,175.00	19,878.77	10,175.00	208.09	205.91	-89.971	953.96	10,513.40	1,900.00	1,486.04	413.96	4.590	
20,100.00	10,175.00	19,955.48	10,175.00	209.66	207.49	-89.971	954.19	10,590.11	1,900.00	1,482.89	417.11	4.555	
20,123.29	10,175.00	19,978.77	10,175.00	210.14	207.97	-89.971	954.26	10,613.40	1,900.00	1,481.93	418.07	4.545	
20,200.00	10,175.00	20,055.48	10,175.00	211.72	209.54	-89.971	954.48	10,690.11	1,900.00	1,478.78	421.22	4.511	
20,223.29	10,175.00	20,078.77	10,175.00	212.20	210.02	-89.971	954.55	10,713.40	1,900.00	1,477.82	422.18	4.500	
20,300.00	10,175.00	20,155.48	10,175.00	213.77	211.60	-89.971	954.78	10,790.11	1,900.00	1,474.67	425.33	4.467	
20,323.29	10,175.00	20,178.77	10,175.00	214.25	212.08	-89.971	954.85	10,813.40	1,900.00	1,473.71	426.29	4.457	
20,400.00	10,175.00	20,255.48	10,175.00	215.83	213.65	-89.971	955.08	10,890.11	1,900.00	1,470.56	429.44	4.424	
20,423.29	10,175.00	20,278.77	10,175.00	216.31	214.13	-89.971	955.15	10,913.40	1,900.00	1,469.60	430.40	4.414	
20,500.00	10,175.00	20,355.48	10,175.00	217.88	215.71	-89.971	955.38	10,990.11	1,900.00	1,466.44	433.55	4.382	
20,523.29	10,175.00	20,378.77	10,175.00	218.36	216.19	-89.971	955.45	11,013.40	1,900.00	1,465.49	434.51	4.373	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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	
20,600.00	10,175.00	20,455.48	10,175.00	219.94	217.76	-89.971	955.68	11,090.11	1,900.00	1,462.33	437.67	4.341	
20,623.29	10,175.00	20,478.77	10,175.00	220.42	218.24	-89.971	955.75	11,113.40	1,900.00	1,461.37	438.62	4.332	
20,700.00	10,175.00	20,555.48	10,175.00	222.00	219.82	-89.971	955.98	11,190.11	1,900.00	1,458.22	441.78	4.301	
20,723.29	10,175.00	20,578.77	10,175.00	222.47	220.30	-89.971	956.04	11,213.40	1,900.00	1,457.26	442.74	4.291	
20,800.00	10,175.00	20,655.48	10,175.00	224.05	221.87	-89.971	956.27	11,290.11	1,900.00	1,454.11	445.89	4.261	
20,823.29	10,175.00	20,678.77	10,175.00	224.53	222.35	-89.971	956.34	11,313.40	1,900.00	1,453.15	446.85	4.252	
20,900.00	10,175.00	20,755.48	10,175.00	226.11	223.93	-89.971	956.57	11,390.11	1,900.00	1,449.99	450.00	4.222	
20,923.29	10,175.00	20,778.77	10,175.00	226.59	224.41	-89.971	956.64	11,413.40	1,900.00	1,449.04	450.96	4.213	
21,000.00	10,175.00	20,855.48	10,175.00	228.17	225.99	-89.971	956.87	11,490.11	1,900.00	1,445.88	454.12	4.184	
21,023.29	10,175.00	20,878.77	10,175.00	228.64	226.47	-89.971	956.94	11,513.40	1,900.00	1,444.92	455.08	4.175	
21,100.00	10,175.00	20,955.48	10,175.00	230.22	228.05	-89.971	957.17	11,590.11	1,900.00	1,441.77	458.23	4.146	
21,110.90	10,175.00	20,966.38	10,175.00	230.45	228.27	-89.971	957.20	11,601.01	1,900.00	1,441.32	458.68	4.142	
21,198.07	10,175.00	21,046.64	10,175.00	232.24	229.92	-89.971	957.44	11,681.27	1,900.01	1,437.89	462.12	4.112	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Distance	Rule Assigned:							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.18	1.18	0.00	0.01	-7.451	39.99	-5.23	40.33				
100.00	100.00	101.18	101.18	0.79	0.79	-7.451	39.99	-5.23	40.33	38.75	1.58	25.540	
200.00	200.00	201.18	201.18	1.45	1.45	-7.451	39.99	-5.23	40.33	37.43	2.90	13.919	
300.00	300.00	301.18	301.18	1.89	1.90	-7.451	39.99	-5.23	40.33	36.54	3.79	10.648	
400.00	400.00	401.18	401.18	2.25	2.26	-7.451	39.99	-5.23	40.33	35.82	4.51	8.940	
500.00	500.00	501.18	501.18	2.57	2.57	-7.451	39.99	-5.23	40.33	35.19	5.14	7.848	
600.00	600.00	601.18	601.18	2.85	2.85	-7.451	39.99	-5.23	40.33	34.63	5.70	7.073	
700.00	700.00	701.18	701.18	3.11	3.11	-7.451	39.99	-5.23	40.33	34.11	6.22	6.485	
800.00	800.00	801.18	801.18	3.35	3.35	-7.451	39.99	-5.23	40.33	33.63	6.70	6.019	
900.00	900.00	901.18	901.18	3.58	3.58	-7.451	39.99	-5.23	40.33	33.18	7.15	5.638	
1,000.00	1,000.00	1,001.18	1,001.18	3.79	3.79	-7.451	39.99	-5.23	40.33	32.75	7.58	5.319	
1,100.00	1,100.00	1,101.18	1,101.18	3.99	4.00	-7.451	39.99	-5.23	40.33	32.34	7.99	5.047	
1,200.00	1,200.00	1,201.18	1,201.18	4.19	4.19	-7.451	39.99	-5.23	40.33	31.95	8.38	4.810	
1,300.00	1,300.00	1,301.18	1,301.18	4.38	4.38	-7.451	39.99	-5.23	40.33	31.57	8.76	4.603	
1,400.00	1,400.00	1,401.18	1,401.18	4.56	4.56	-7.451	39.99	-5.23	40.33	31.20	9.13	4.419	
1,500.00	1,500.00	1,501.18	1,501.18	4.74	4.74	-7.451	39.99	-5.23	40.33	30.85	9.48	4.254	
1,600.00	1,600.00	1,601.18	1,601.18	4.91	4.91	-7.451	39.99	-5.23	40.33	30.51	9.83	4.105	
1,700.00	1,700.00	1,701.18	1,701.18	5.08	5.08	-7.451	39.99	-5.23	40.33	30.17	10.16	3.969	
1,716.27	1,716.27	1,717.45	1,717.45	5.11	5.11	-7.451	39.99	-5.23	40.33	30.12	10.21	3.949 CC	
1,800.00	1,800.00	1,801.18	1,801.18	5.24	5.25	-7.451	39.99	-5.23	40.33	29.84	10.49	3.846	
1,900.00	1,900.00	1,900.96	1,900.94	5.40	5.49	-9.941	39.99	-7.01	40.60	29.80	10.80	3.760 ES	
2,000.00	2,000.00	2,000.90	2,000.81	5.56	5.64	-14.707	39.99	-10.50	41.35	30.25	11.09	3.727 SF	
2,100.00	2,099.98	2,100.78	2,100.64	5.78	5.80	-169.922	39.99	-13.98	44.08	32.63	11.45	3.849	
2,200.00	2,199.84	2,200.49	2,200.29	5.99	5.97	-174.667	39.99	-17.46	50.59	38.77	11.81	4.283	
2,300.00	2,299.45	2,299.89	2,299.63	6.21	6.15	-178.412	39.99	-20.93	60.83	48.64	12.19	4.990	
2,400.00	2,398.70	2,398.87	2,398.55	6.46	6.35	178.971	39.99	-24.39	74.72	62.13	12.59	5.935	
2,500.00	2,497.47	2,497.30	2,496.92	6.73	6.55	177.270	39.99	-27.82	92.16	79.15	13.01	7.082	
2,600.00	2,595.62	2,598.86	2,598.44	7.02	6.77	176.336	38.76	-30.21	111.47	98.00	13.47	8.277	
2,700.00	2,693.06	2,701.25	2,700.74	7.33	6.94	176.049	34.86	-30.11	130.77	116.90	13.87	9.428	
2,800.00	2,790.00	2,804.61	2,803.85	7.62	7.01	176.155	28.24	-27.47	148.66	134.39	14.27	10.418	
2,900.00	2,886.93	2,909.18	2,907.85	7.91	7.08	176.471	18.78	-22.21	163.04	148.35	14.69	11.099	
3,000.00	2,983.87	3,014.69	3,012.34	8.21	7.16	176.965	6.46	-14.25	173.84	158.69	15.15	11.472	
3,100.00	3,080.81	3,120.88	3,116.88	8.54	7.30	177.639	-8.76	-3.57	181.05	165.39	15.66	11.559	
3,200.00	3,177.74	3,227.45	3,221.04	8.88	7.50	178.511	-26.84	9.82	184.65	168.47	16.17	11.416	
3,300.00	3,274.68	3,327.36	3,318.29	9.23	7.69	179.421	-45.10	23.61	186.48	169.75	16.74	11.143	
3,400.00	3,371.61	3,427.30	3,415.58	9.60	7.92	-179.686	-63.36	37.41	188.37	171.02	17.35	10.857	
3,500.00	3,468.55	3,527.24	3,512.86	9.97	8.16	-178.811	-81.63	51.21	190.29	172.29	18.01	10.568	
3,600.00	3,565.49	3,627.18	3,610.14	10.36	8.42	-177.954	-99.89	65.01	192.26	173.57	18.69	10.285	
3,700.00	3,662.42	3,727.12	3,707.42	10.75	8.70	-177.114	-118.16	78.80	194.28	174.87	19.41	10.010	
3,800.00	3,759.36	3,827.06	3,804.71	11.16	8.99	-176.292	-136.42	92.60	196.33	176.18	20.15	9.745	
3,900.00	3,856.30	3,927.00	3,901.99	11.57	9.30	-175.486	-154.68	106.40	198.43	177.52	20.91	9.491	
4,000.00	3,953.23	4,026.93	3,999.27	11.98	9.62	-174.698	-172.95	120.20	200.56	178.87	21.68	9.249	
4,100.00	4,050.17	4,126.87	4,096.56	12.40	9.95	-173.927	-191.21	134.00	202.73	180.25	22.47	9.020	
4,200.00	4,147.11	4,226.81	4,193.84	12.83	10.29	-173.172	-209.47	147.80	204.93	181.65	23.28	8.804	
4,300.00	4,244.04	4,326.75	4,291.12	13.26	10.64	-172.433	-227.74	161.59	207.17	183.08	24.09	8.599	
4,400.00	4,340.98	4,426.69	4,388.40	13.70	11.00	-171.710	-246.00	175.39	209.45	184.53	24.91	8.407	
4,500.00	4,437.91	4,526.63	4,485.69	14.14	11.37	-171.003	-264.27	189.19	211.75	186.01	25.74	8.226	
4,600.00	4,534.85	4,626.57	4,582.97	14.58	11.75	-170.311	-282.53	202.99	214.09	187.52	26.58	8.056	
4,700.00	4,631.79	4,726.51	4,680.25	15.02	12.13	-169.634	-300.79	216.79	216.46	189.05	27.41	7.896	
4,800.00	4,728.72	4,826.45	4,777.54	15.47	12.53	-168.972	-319.06	230.59	218.86	190.60	28.26	7.746	
4,900.00	4,825.66	4,926.39	4,874.82	15.92	12.92	-168.324	-337.32	244.38	221.29	192.19	29.10	7.604	
5,000.00	4,922.60	5,026.33	4,972.10	16.38	13.33	-167.690	-355.58	258.18	223.74	193.80	29.94	7.472	

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 (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis			Highside		Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	5,019.53	5,126.27	5,069.38	16.83	13.74	-167.070	-373.85	271.98	226.22	195.43	30.79	7.347	
5,200.00	5,116.47	5,226.21	5,166.67	17.29	14.15	-166.464	-392.11	285.78	228.73	197.09	31.64	7.230	
5,300.00	5,213.41	5,326.15	5,263.95	17.75	14.57	-165.871	-410.38	299.58	231.26	198.78	32.48	7.120	
5,400.00	5,310.34	5,426.09	5,361.23	18.21	14.99	-165.291	-428.64	313.38	233.82	200.49	33.33	7.016	
5,500.00	5,407.28	5,526.03	5,458.52	18.68	15.41	-164.723	-446.90	327.17	236.40	202.23	34.17	6.918	
5,600.00	5,504.22	5,625.97	5,555.80	19.14	15.84	-164.168	-465.17	340.97	239.00	203.99	35.01	6.826	
5,700.00	5,601.15	5,725.91	5,653.08	19.61	16.28	-163.625	-483.43	354.77	241.62	205.77	35.85	6.739	
5,800.00	5,698.09	5,825.85	5,750.36	20.08	16.71	-163.093	-501.69	368.57	244.27	207.58	36.69	6.657	
5,900.00	5,795.02	5,925.79	5,847.65	20.55	17.15	-162.573	-519.96	382.37	246.94	209.41	37.53	6.580	
6,000.00	5,891.96	6,025.73	5,944.93	21.02	17.59	-162.064	-538.22	396.17	249.62	211.26	38.37	6.506	
6,100.00	5,988.90	6,125.67	6,042.21	21.49	18.03	-161.566	-556.48	409.97	252.33	213.13	39.20	6.437	
6,200.00	6,085.83	6,225.61	6,139.50	21.96	18.48	-161.078	-574.75	423.76	255.05	215.03	40.03	6.372	
6,300.00	6,182.77	6,325.55	6,236.78	22.43	18.92	-160.601	-593.01	437.56	257.79	216.94	40.85	6.310	
6,400.00	6,279.71	6,425.48	6,334.06	22.91	19.37	-160.134	-611.28	451.36	260.55	218.88	41.68	6.252	
6,500.00	6,376.64	6,525.42	6,431.34	23.38	19.82	-159.677	-629.54	465.16	263.33	220.83	42.50	6.196	
6,600.00	6,473.61	6,625.37	6,528.63	23.84	20.27	-159.223	-647.80	478.96	265.99	222.69	43.30	6.143	
6,700.00	6,571.18	6,725.31	6,625.92	24.33	20.73	-158.574	-666.07	492.76	266.26	222.18	44.08	6.040	
6,800.00	6,669.45	6,825.17	6,723.13	24.80	21.18	-157.618	-684.32	506.54	263.34	218.55	44.78	5.880	
6,900.00	6,768.30	6,924.82	6,820.12	25.25	21.64	-156.310	-702.53	520.30	257.28	211.91	45.37	5.670	
7,000.00	6,867.62	7,024.13	6,916.80	25.67	22.09	-154.574	-720.68	534.01	248.21	202.39	45.82	5.417	
7,100.00	6,967.29	7,122.99	7,013.03	26.06	22.55	-152.300	-738.74	547.66	236.28	190.21	46.07	5.129	
7,200.00	7,067.18	7,221.28	7,108.70	26.40	23.00	-149.319	-756.71	561.23	221.73	175.70	46.03	4.817	
7,300.00	7,167.16	7,318.10	7,202.96	26.54	23.45	4.780	-774.37	574.58	205.01	159.56	45.45	4.511	
7,400.00	7,267.16	7,411.23	7,294.04	26.57	23.89	8.725	-789.85	586.27	189.81	145.32	44.50	4.266	
7,500.00	7,367.16	7,505.56	7,386.90	26.59	24.32	12.587	-803.10	596.29	177.85	134.43	43.42	4.096	
7,600.00	7,467.16	7,600.00	7,480.35	26.61	24.73	16.106	-813.93	604.46	168.85	126.53	42.32	3.990	
7,700.00	7,567.16	7,697.08	7,576.83	26.63	25.13	19.139	-822.48	610.93	162.44	121.05	41.39	3.925	
7,800.00	7,667.16	7,793.86	7,673.32	26.66	25.50	21.377	-828.41	615.41	158.29	117.61	40.67	3.892	
7,900.00	7,767.16	7,891.03	7,770.39	26.68	25.82	22.684	-831.75	617.93	156.08	115.81	40.27	3.876	
7,975.79	7,842.96	7,964.80	7,844.16	26.70	25.95	22.994	-832.52	618.51	155.57	115.42	40.16	3.874	
8,000.00	7,867.16	7,987.62	7,866.97	26.70	25.97	23.144	-832.59	618.93	155.68	115.63	40.05	3.887	
8,100.00	7,967.16	8,080.26	7,958.85	26.73	26.23	27.014	-834.47	629.76	158.85	120.55	38.30	4.148	
8,200.00	8,067.16	8,167.24	8,042.46	26.75	26.54	34.792	-838.51	653.09	169.09	133.97	35.12	4.815	
8,300.00	8,167.16	8,245.55	8,113.91	26.77	26.84	43.896	-843.96	684.53	190.80	158.39	32.40	5.888	
8,400.00	8,267.16	8,313.98	8,172.28	26.80	27.11	52.177	-850.05	719.65	226.36	194.73	31.64	7.155	
8,500.00	8,367.16	8,372.69	8,218.67	26.82	27.34	58.789	-856.18	755.06	275.01	242.67	32.34	8.504	
8,600.00	8,467.16	8,422.62	8,255.06	26.85	27.54	63.788	-862.02	788.73	334.33	300.88	33.45	9.994	
8,700.00	8,567.16	8,465.01	8,283.52	26.87	27.70	67.525	-867.38	819.66	401.84	367.38	34.46	11.661	
8,800.00	8,667.16	8,500.00	8,305.21	26.90	27.84	70.264	-872.06	846.71	475.52	440.31	35.21	13.504	
8,900.00	8,767.16	8,531.87	8,323.47	26.92	27.96	72.501	-876.52	872.44	553.88	518.05	35.84	15.456	
9,000.00	8,867.16	8,550.00	8,333.21	26.95	28.03	73.672	-879.13	887.51	635.96	599.88	36.08	17.626	
9,100.00	8,967.16	8,581.28	8,348.85	26.98	28.15	75.531	-883.76	914.20	720.62	683.98	36.64	19.666	
9,200.00	9,067.16	8,600.00	8,357.50	27.00	28.22	76.552	-886.59	930.56	807.62	770.70	36.91	21.879	
9,300.00	9,167.16	8,618.78	8,365.62	27.03	28.29	77.513	-889.48	947.24	896.39	859.19	37.20	24.097	
9,400.00	9,267.16	8,634.24	8,371.89	27.05	28.35	78.260	-891.89	961.17	986.62	949.18	37.44	26.355	
9,500.00	9,367.16	8,650.00	8,377.88	27.08	28.41	78.981	-894.38	975.52	1,078.04	1,040.35	37.70	28.598	
9,600.00	9,467.16	8,650.00	8,377.88	27.11	28.41	78.981	-894.38	975.52	1,170.59	1,132.88	37.71	31.043	
9,700.00	9,567.16	8,671.24	8,385.32	27.13	28.50	79.894	-897.78	995.12	1,263.70	1,225.60	38.10	33.169	
9,800.00	9,667.02	8,682.18	8,388.86	27.25	28.54	-7.275	-899.54	1,005.32	1,356.30	1,317.96	38.34	35.375	
9,900.00	9,764.89	8,700.00	8,394.21	27.49	28.61	-5.056	-902.45	1,022.07	1,442.77	1,404.12	38.65	37.330	
10,000.00	9,857.80	8,700.00	8,394.21	27.77	28.61	-4.050	-902.45	1,022.07	1,521.25	1,482.61	38.64	39.374	
10,100.00	9,942.95	8,750.00	8,406.36	28.07	28.82	-2.939	-910.72	1,069.85	1,590.17	1,550.87	39.30	40.459	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.00	10,017.74	8,750.00	8,406.36	28.37	28.82	-2.597	-910.72	1,069.85	1,647.93	1,608.75	39.19	42.053	
10,300.00	10,079.89	8,775.36	8,410.89	28.69	28.92	-2.189	-914.98	1,094.43	1,694.52	1,655.14	39.39	43.021	
10,400.00	10,127.53	8,800.00	8,414.24	29.03	29.03	-1.896	-919.15	1,118.48	1,728.93	1,689.40	39.53	43.735	
10,500.00	10,159.20	8,822.28	8,416.36	29.42	29.13	-1.691	-922.94	1,140.33	1,750.65	1,711.05	39.60	44.210	
10,520.12	10,163.55	8,827.11	8,416.70	29.51	29.15	-1.655	-923.76	1,145.08	1,753.46	1,713.85	39.61	44.266	
10,600.00	10,173.94	8,850.00	8,417.79	29.88	29.26	-1.507	-927.66	1,167.61	1,759.41	1,719.71	39.70	44.313	
10,700.00	10,175.00	8,885.40	8,418.00	30.43	29.43	-1.309	-933.64	1,202.50	1,758.65	1,718.88	39.77	44.222	
10,728.35	10,175.00	8,913.01	8,418.00	30.62	29.58	-1.163	-938.03	1,229.75	1,758.55	1,718.53	40.02	43.942	
10,800.00	10,175.00	8,983.14	8,418.00	31.13	30.03	-0.831	-948.02	1,299.17	1,758.37	1,717.70	40.66	43.242	
10,829.27	10,175.00	9,011.93	8,418.00	31.37	30.24	-0.711	-951.62	1,327.74	1,758.32	1,717.38	40.94	42.954	
10,900.00	10,175.00	9,081.78	8,418.00	31.97	30.81	-0.458	-959.17	1,397.17	1,758.24	1,716.64	41.60	42.268	
10,929.26	10,175.00	9,110.79	8,418.00	32.26	31.07	-0.369	-961.81	1,426.06	1,758.22	1,716.34	41.88	41.985	
11,000.00	10,175.00	9,181.11	8,418.00	32.96	31.77	-0.194	-966.99	1,496.18	1,758.19	1,715.63	42.56	41.314	
11,029.27	10,175.00	9,210.27	8,418.00	33.28	32.08	-0.137	-968.63	1,525.31	1,758.19	1,715.34	42.84	41.039	
11,100.00	10,175.00	9,280.88	8,418.00	34.07	32.89	-0.041	-971.38	1,595.85	1,758.18	1,714.65	43.53	40.393	
11,129.29	10,175.00	9,310.15	8,418.00	34.43	33.25	-0.018	-972.01	1,625.12	1,758.18	1,714.37	43.81	40.130	
11,178.83	10,175.00	9,359.68	8,418.00	35.04	33.87	0.000	-972.40	1,674.65	1,758.18	1,713.89	44.29	39.698	
11,200.00	10,175.00	9,380.85	8,418.00	35.30	34.14	0.000	-972.34	1,695.82	1,758.18	1,713.69	44.49	39.518	
11,278.87	10,175.00	9,459.72	8,418.00	36.34	35.21	0.000	-972.11	1,774.68	1,758.18	1,712.91	45.27	38.838	
11,300.00	10,175.00	9,480.85	8,418.00	36.63	35.50	0.000	-972.04	1,795.82	1,758.18	1,712.70	45.48	38.660	
11,378.87	10,175.00	9,559.72	8,418.00	37.74	36.64	0.000	-971.81	1,874.68	1,758.18	1,711.90	46.28	37.988	
11,400.00	10,175.00	9,580.85	8,418.00	38.04	36.95	0.000	-971.75	1,895.82	1,758.18	1,711.68	46.50	37.811	
11,478.87	10,175.00	9,659.72	8,418.00	39.21	38.15	0.000	-971.51	1,974.68	1,758.18	1,710.85	47.33	37.150	
11,500.00	10,175.00	9,680.85	8,418.00	39.53	38.47	0.000	-971.45	1,995.82	1,758.18	1,710.63	47.55	36.976	
11,578.87	10,175.00	9,759.72	8,418.00	40.75	39.72	0.000	-971.21	2,074.68	1,758.18	1,709.78	48.40	36.327	
11,600.00	10,175.00	9,780.85	8,418.00	41.08	40.06	0.000	-971.15	2,095.82	1,758.18	1,709.55	48.63	36.156	
11,678.87	10,175.00	9,859.72	8,418.00	42.34	41.34	0.000	-970.91	2,174.68	1,758.18	1,708.68	49.50	35.521	
11,700.00	10,175.00	9,880.85	8,418.00	42.68	41.69	0.000	-970.85	2,195.81	1,758.18	1,708.45	49.73	35.354	
11,778.87	10,175.00	9,959.72	8,418.00	43.98	43.01	0.000	-970.62	2,274.68	1,758.18	1,707.56	50.62	34.733	
11,800.00	10,175.00	9,980.85	8,418.00	44.33	43.37	0.000	-970.55	2,295.81	1,758.18	1,707.32	50.86	34.570	
11,878.87	10,175.00	10,059.72	8,418.00	45.66	44.72	0.000	-970.32	2,374.68	1,758.18	1,706.41	51.77	33.964	
11,900.00	10,175.00	10,080.85	8,418.00	46.02	45.08	0.000	-970.25	2,395.81	1,758.18	1,706.17	52.01	33.805	
11,978.87	10,175.00	10,159.72	8,418.00	47.38	46.46	0.000	-970.02	2,474.68	1,758.18	1,705.25	52.93	33.214	
12,000.00	10,175.00	10,180.85	8,418.00	47.74	46.83	0.000	-969.96	2,495.81	1,758.18	1,705.00	53.18	33.059	
12,078.87	10,175.00	10,259.72	8,418.00	49.13	48.22	0.000	-969.72	2,574.68	1,758.18	1,704.06	54.12	32.485	
12,100.00	10,175.00	10,280.85	8,418.00	49.50	48.60	0.000	-969.66	2,595.81	1,758.18	1,703.81	54.37	32.335	
12,178.87	10,175.00	10,359.72	8,418.00	50.90	50.02	0.000	-969.42	2,674.68	1,758.18	1,702.85	55.33	31.777	
12,200.00	10,175.00	10,380.85	8,418.00	51.28	50.40	0.000	-969.36	2,695.81	1,758.18	1,702.59	55.59	31.630	
12,278.87	10,175.00	10,459.72	8,418.00	52.70	51.83	0.000	-969.13	2,774.68	1,758.18	1,701.63	56.55	31.089	
12,300.00	10,175.00	10,480.85	8,418.00	53.08	52.22	0.000	-969.06	2,795.81	1,758.18	1,701.37	56.81	30.947	
12,378.87	10,175.00	10,559.72	8,418.00	54.52	53.66	0.000	-968.83	2,874.68	1,758.18	1,700.39	57.79	30.421	
12,400.00	10,175.00	10,580.85	8,418.00	54.90	54.05	0.000	-968.76	2,895.81	1,758.18	1,700.12	58.06	30.283	
12,478.87	10,175.00	10,659.72	8,418.00	56.35	55.52	0.000	-968.53	2,974.68	1,758.18	1,699.13	59.05	29.774	
12,500.00	10,175.00	10,680.85	8,418.00	56.74	55.91	0.000	-968.47	2,995.81	1,758.18	1,698.86	59.32	29.640	
12,578.87	10,175.00	10,759.72	8,418.00	58.21	57.38	0.000	-968.23	3,074.68	1,758.18	1,697.86	60.32	29.147	
12,600.00	10,175.00	10,780.85	8,418.00	58.60	57.78	0.000	-968.17	3,095.81	1,758.18	1,697.59	60.59	29.017	
12,678.87	10,175.00	10,859.72	8,418.00	60.08	59.26	0.000	-967.93	3,174.68	1,758.18	1,696.57	61.61	28.539	
12,700.00	10,175.00	10,880.85	8,418.00	60.47	59.66	0.000	-967.87	3,195.81	1,758.18	1,696.30	61.88	28.413	
12,778.87	10,175.00	10,959.72	8,418.00	61.96	61.16	0.000	-967.63	3,274.68	1,758.18	1,695.28	62.90	27.950	
12,800.00	10,175.00	10,980.85	8,418.00	62.36	61.56	0.000	-967.57	3,295.81	1,758.18	1,695.00	63.18	27.829	
12,878.87	10,175.00	11,059.72	8,418.00	63.85	63.06	0.000	-967.34	3,374.68	1,758.18	1,693.97	64.21	27.380	
12,900.00	10,175.00	11,080.85	8,418.00	64.26	63.46	0.000	-967.27	3,395.81	1,758.18	1,693.69	64.49	27.263	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,978.87	10,175.00	11,159.72	8,418.00	65.76	64.97	0.000	-967.04	3,474.68	1,758.18	1,692.65	65.53	26.828	
13,000.00	10,175.00	11,180.85	8,418.00	66.16	65.38	0.000	-966.97	3,495.81	1,758.18	1,692.37	65.81	26.714	
13,078.87	10,175.00	11,259.72	8,418.00	67.68	66.90	0.000	-966.74	3,574.68	1,758.18	1,691.31	66.87	26.294	
13,100.00	10,175.00	11,280.85	8,418.00	68.08	67.30	0.000	-966.68	3,595.81	1,758.18	1,691.03	67.15	26.184	
13,178.87	10,175.00	11,359.72	8,418.00	69.60	68.83	0.000	-966.44	3,674.68	1,758.18	1,689.97	68.21	25.777	
13,200.00	10,175.00	11,380.85	8,418.00	70.01	69.24	0.000	-966.38	3,695.81	1,758.18	1,689.69	68.49	25.670	
13,278.87	10,175.00	11,459.72	8,418.00	71.53	70.77	0.000	-966.14	3,774.68	1,758.18	1,688.62	69.56	25.277	
13,300.00	10,175.00	11,480.85	8,418.00	71.94	71.18	0.000	-966.08	3,795.81	1,758.18	1,688.34	69.84	25.173	
13,378.87	10,175.00	11,559.72	8,418.00	73.47	72.71	0.000	-965.85	3,874.67	1,758.18	1,687.26	70.92	24.792	
13,400.00	10,175.00	11,580.85	8,418.00	73.89	73.13	0.000	-965.78	3,895.81	1,758.18	1,686.97	71.21	24.692	
13,478.87	10,175.00	11,659.72	8,418.00	75.42	74.67	0.000	-965.55	3,974.67	1,758.18	1,685.89	72.29	24.323	
13,500.00	10,175.00	11,680.85	8,418.00	75.83	75.08	0.000	-965.48	3,995.81	1,758.18	1,685.60	72.58	24.225	
13,578.87	10,175.00	11,759.72	8,418.00	77.38	76.63	0.000	-965.25	4,074.67	1,758.18	1,684.52	73.66	23.868	
13,600.00	10,175.00	11,780.85	8,418.00	77.79	77.04	0.000	-965.19	4,095.81	1,758.18	1,684.23	73.95	23.774	
13,678.87	10,175.00	11,859.72	8,418.00	79.34	78.59	0.000	-964.95	4,174.67	1,758.18	1,683.13	75.05	23.428	
13,700.00	10,175.00	11,880.85	8,418.00	79.75	79.01	0.000	-964.89	4,195.81	1,758.18	1,682.84	75.34	23.337	
13,778.87	10,175.00	11,959.72	8,418.00	81.30	80.56	0.000	-964.65	4,274.67	1,758.18	1,681.74	76.44	23.002	
13,800.00	10,175.00	11,980.85	8,418.00	81.72	80.98	0.000	-964.59	4,295.81	1,758.18	1,681.45	76.73	22.914	
13,878.87	10,175.00	12,059.72	8,418.00	83.27	82.54	0.000	-964.35	4,374.67	1,758.18	1,680.35	77.83	22.589	
13,900.00	10,175.00	12,080.85	8,418.00	83.69	82.95	0.000	-964.29	4,395.81	1,758.18	1,680.05	78.13	22.503	
13,978.87	10,175.00	12,159.72	8,418.00	85.25	84.52	0.000	-964.06	4,474.67	1,758.18	1,678.94	79.24	22.189	
14,000.00	10,175.00	12,180.85	8,418.00	85.67	84.93	0.000	-963.99	4,495.80	1,758.18	1,678.64	79.54	22.106	
14,078.87	10,175.00	12,259.72	8,418.00	87.23	86.50	0.000	-963.76	4,574.67	1,758.18	1,677.53	80.65	21.801	
14,100.00	10,175.00	12,280.85	8,418.00	87.65	86.92	0.000	-963.70	4,595.80	1,758.18	1,677.23	80.95	21.720	
14,178.87	10,175.00	12,359.72	8,418.00	89.21	88.49	0.000	-963.46	4,674.67	1,758.18	1,676.12	82.06	21.424	
14,200.00	10,175.00	12,380.85	8,418.00	89.63	88.91	0.000	-963.40	4,695.80	1,758.18	1,675.82	82.36	21.347	
14,278.87	10,175.00	12,459.72	8,418.00	91.20	90.48	0.000	-963.16	4,774.67	1,758.18	1,674.69	83.49	21.060	
14,300.00	10,175.00	12,480.85	8,418.00	91.62	90.90	0.000	-963.10	4,795.80	1,758.18	1,674.39	83.79	20.984	
14,378.87	10,175.00	12,559.72	8,418.00	93.19	92.47	0.000	-962.86	4,874.67	1,758.18	1,673.27	84.91	20.706	
14,400.00	10,175.00	12,580.85	8,418.00	93.61	92.89	0.000	-962.80	4,895.80	1,758.18	1,672.97	85.21	20.633	
14,478.87	10,175.00	12,659.72	8,418.00	95.19	94.47	0.000	-962.57	4,974.67	1,758.18	1,671.84	86.34	20.363	
14,500.00	10,175.00	12,680.85	8,418.00	95.61	94.89	0.000	-962.50	4,995.80	1,758.18	1,671.53	86.65	20.292	
14,578.87	10,175.00	12,759.72	8,418.00	97.19	96.47	0.000	-962.27	5,074.67	1,758.18	1,670.40	87.78	20.030	
14,600.00	10,175.00	12,780.85	8,418.00	97.61	96.89	0.000	-962.20	5,095.80	1,758.18	1,670.10	88.08	19.961	
14,678.87	10,175.00	12,859.72	8,418.00	99.19	98.47	0.000	-961.97	5,174.67	1,758.18	1,668.96	89.22	19.706	
14,700.00	10,175.00	12,880.85	8,418.00	99.61	98.90	0.000	-961.91	5,195.80	1,758.18	1,668.66	89.52	19.639	
14,778.87	10,175.00	12,959.72	8,418.00	101.19	100.48	0.000	-961.67	5,274.67	1,758.18	1,667.52	90.66	19.392	
14,800.00	10,175.00	12,980.85	8,418.00	101.61	100.90	0.000	-961.61	5,295.80	1,758.18	1,667.21	90.97	19.327	
14,878.87	10,175.00	13,059.72	8,418.00	103.20	102.49	0.000	-961.37	5,374.67	1,758.18	1,666.07	92.11	19.087	
14,900.00	10,175.00	13,080.85	8,418.00	103.62	102.91	0.000	-961.31	5,395.80	1,758.18	1,665.76	92.42	19.024	
14,978.87	10,175.00	13,159.72	8,418.00	105.20	104.50	0.000	-961.07	5,474.67	1,758.18	1,664.61	93.57	18.791	
15,000.00	10,175.00	13,180.85	8,418.00	105.63	104.92	0.000	-961.01	5,495.80	1,758.18	1,664.31	93.87	18.729	
15,078.87	10,175.00	13,259.72	8,418.00	107.22	106.51	0.000	-960.78	5,574.67	1,758.18	1,663.16	95.02	18.503	
15,100.00	10,175.00	13,280.85	8,418.00	107.64	106.94	0.000	-960.71	5,595.80	1,758.18	1,662.85	95.33	18.443	
15,178.87	10,175.00	13,359.72	8,418.00	109.23	108.53	0.000	-960.48	5,674.67	1,758.18	1,661.70	96.48	18.223	
15,200.00	10,175.00	13,380.85	8,418.00	109.65	108.95	0.000	-960.42	5,695.80	1,758.18	1,661.39	96.79	18.165	
15,278.87	10,175.00	13,459.72	8,418.00	111.24	110.54	0.000	-960.18	5,774.67	1,758.18	1,660.23	97.95	17.951	
15,300.00	10,175.00	13,480.85	8,418.00	111.67	110.97	0.000	-960.12	5,795.80	1,758.18	1,659.93	98.25	17.894	
15,378.87	10,175.00	13,559.72	8,418.00	113.26	112.56	0.000	-959.88	5,874.67	1,758.18	1,658.77	99.41	17.686	
15,400.00	10,175.00	13,580.85	8,418.00	113.69	112.99	0.000	-959.82	5,895.80	1,758.18	1,658.46	99.72	17.631	
15,478.87	10,175.00	13,659.72	8,418.00	115.28	114.58	0.000	-959.58	5,974.67	1,758.18	1,657.30	100.88	17.428	
15,500.00	10,175.00	13,680.85	8,418.00	115.71	115.01	0.000	-959.52	5,995.80	1,758.18	1,656.99	101.19	17.375	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1											Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1											Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	
15,578.87	10,175.00	13,759.72	8,418.00	117.30	116.60	0.000	-959.29	6,074.67	1,758.18	1,655.83	17.177
15,600.00	10,175.00	13,780.85	8,418.00	117.73	117.03	0.000	-959.22	6,095.80	1,758.18	1,655.51	17.125
15,678.87	10,175.00	13,859.72	8,418.00	119.32	118.63	0.000	-958.99	6,174.66	1,758.18	1,654.35	16.933
15,700.00	10,175.00	13,880.85	8,418.00	119.75	119.06	0.000	-958.92	6,195.80	1,758.18	1,654.04	16.883
15,778.87	10,175.00	13,959.72	8,418.00	121.35	120.65	0.000	-958.69	6,274.66	1,758.18	1,652.87	16.696
15,800.00	10,175.00	13,980.85	8,418.00	121.78	121.08	0.000	-958.63	6,295.80	1,758.18	1,652.56	16.646
15,878.87	10,175.00	14,059.72	8,418.00	123.37	122.68	0.000	-958.39	6,374.66	1,758.18	1,651.39	16.464
15,900.00	10,175.00	14,080.85	8,418.00	123.80	123.11	0.000	-958.33	6,395.80	1,758.18	1,651.08	16.416
15,978.87	10,175.00	14,159.72	8,418.00	125.40	124.71	0.000	-958.09	6,474.66	1,758.18	1,649.91	16.239
16,000.00	10,175.00	14,180.85	8,418.00	125.83	125.14	0.000	-958.03	6,495.80	1,758.18	1,649.60	16.192
16,078.87	10,175.00	14,259.72	8,418.00	127.43	126.74	0.000	-957.79	6,574.66	1,758.18	1,648.42	16.019
16,100.00	10,175.00	14,280.85	8,418.00	127.86	127.17	0.000	-957.73	6,595.80	1,758.18	1,648.11	15.973
16,178.87	10,175.00	14,359.72	8,418.00	129.46	128.77	0.000	-957.50	6,674.66	1,758.18	1,646.94	15.805
16,200.00	10,175.00	14,380.85	8,418.00	129.89	129.20	0.000	-957.43	6,695.79	1,758.18	1,646.62	15.760
16,278.87	10,175.00	14,459.72	8,418.00	131.49	130.80	0.000	-957.20	6,774.66	1,758.18	1,645.45	15.596
16,300.00	10,175.00	14,480.85	8,418.00	131.92	131.23	0.000	-957.14	6,795.79	1,758.18	1,645.13	15.552
16,378.87	10,175.00	14,559.72	8,418.00	133.52	132.83	0.000	-956.90	6,874.66	1,758.18	1,643.95	15.392
16,400.00	10,175.00	14,580.85	8,418.00	133.95	133.26	0.000	-956.84	6,895.79	1,758.18	1,643.64	15.350
16,478.87	10,175.00	14,659.72	8,418.00	135.56	134.87	0.000	-956.60	6,974.66	1,758.18	1,642.46	15.193
16,500.00	10,175.00	14,680.85	8,418.00	135.99	135.30	0.000	-956.54	6,995.79	1,758.18	1,642.14	15.152
16,578.87	10,175.00	14,759.72	8,418.00	137.59	136.90	0.000	-956.30	7,074.66	1,758.18	1,640.96	14.999
16,600.00	10,175.00	14,780.85	8,418.00	138.02	137.33	0.000	-956.24	7,095.79	1,758.18	1,640.65	14.959
16,678.87	10,175.00	14,859.72	8,418.00	139.63	138.94	0.000	-956.01	7,174.66	1,758.18	1,639.47	14.810
16,700.00	10,175.00	14,880.85	8,418.00	140.06	139.37	0.000	-955.94	7,195.79	1,758.18	1,639.15	14.771
16,778.87	10,175.00	14,959.72	8,418.00	141.66	140.98	0.000	-955.71	7,274.66	1,758.18	1,637.97	14.625
16,800.00	10,175.00	14,980.85	8,418.00	142.09	141.41	0.000	-955.64	7,295.79	1,758.18	1,637.65	14.587
16,878.87	10,175.00	15,059.72	8,418.00	143.70	143.02	0.000	-955.41	7,374.66	1,758.18	1,636.46	14.445
16,900.00	10,175.00	15,080.85	8,418.00	144.13	143.45	0.000	-955.35	7,395.79	1,758.18	1,636.15	14.407
16,978.87	10,175.00	15,159.72	8,418.00	145.74	145.05	0.000	-955.11	7,474.66	1,758.18	1,634.96	14.269
17,000.00	10,175.00	15,180.85	8,418.00	146.17	145.49	0.000	-955.05	7,495.79	1,758.18	1,634.64	14.232
17,078.87	10,175.00	15,259.72	8,418.00	147.78	147.09	0.000	-954.81	7,574.66	1,758.18	1,633.46	14.096
17,100.00	10,175.00	15,280.85	8,418.00	148.21	147.53	0.000	-954.75	7,595.79	1,758.18	1,633.14	14.061
17,178.87	10,175.00	15,359.72	8,418.00	149.82	149.14	0.000	-954.51	7,674.66	1,758.18	1,631.95	13.928
17,200.00	10,175.00	15,380.85	8,418.00	150.25	149.57	0.000	-954.45	7,695.79	1,758.18	1,631.63	13.893
17,278.87	10,175.00	15,459.72	8,418.00	151.86	151.18	0.000	-954.22	7,774.66	1,758.18	1,630.44	13.764
17,300.00	10,175.00	15,480.85	8,418.00	152.29	151.61	0.000	-954.15	7,795.79	1,758.18	1,630.12	13.730
17,378.87	10,175.00	15,559.72	8,418.00	153.90	153.22	0.000	-953.92	7,874.66	1,758.18	1,628.93	13.603
17,400.00	10,175.00	15,580.85	8,418.00	154.33	153.65	0.000	-953.86	7,895.79	1,758.18	1,628.61	13.570
17,478.87	10,175.00	15,659.72	8,418.00	155.94	155.26	0.000	-953.62	7,974.66	1,758.18	1,627.42	13.446
17,500.00	10,175.00	15,680.85	8,418.00	156.37	155.69	0.000	-953.56	7,995.79	1,758.18	1,627.10	13.413
17,578.87	10,175.00	15,759.72	8,418.00	157.98	157.31	0.000	-953.32	8,074.66	1,758.18	1,625.91	13.292
17,600.00	10,175.00	15,780.85	8,418.00	158.42	157.74	0.000	-953.26	8,095.79	1,758.18	1,625.59	13.260
17,678.87	10,175.00	15,859.72	8,418.00	160.03	159.35	0.000	-953.02	8,174.66	1,758.18	1,624.39	13.142
17,700.00	10,175.00	15,880.85	8,418.00	160.46	159.78	0.000	-952.96	8,195.79	1,758.18	1,624.08	13.110
17,778.87	10,175.00	15,959.72	8,418.00	162.07	161.39	0.000	-952.73	8,274.66	1,758.18	1,622.88	12.995
17,800.00	10,175.00	15,980.85	8,418.00	162.50	161.83	0.000	-952.66	8,295.79	1,758.18	1,622.56	12.964
17,878.87	10,175.00	16,059.72	8,418.00	164.12	163.44	0.000	-952.43	8,374.65	1,758.18	1,621.36	12.851
17,900.00	10,175.00	16,080.85	8,418.00	164.55	163.87	0.000	-952.36	8,395.79	1,758.18	1,621.04	12.821
17,978.87	10,175.00	16,159.72	8,418.00	166.16	165.49	0.000	-952.13	8,474.65	1,758.18	1,619.85	12.710
18,000.00	10,175.00	16,180.85	8,418.00	166.59	165.92	0.000	-952.07	8,495.79	1,758.18	1,619.53	12.680
18,078.87	10,175.00	16,259.72	8,418.00	168.21	167.53	0.000	-951.83	8,574.65	1,758.18	1,618.33	12.572
18,100.00	10,175.00	16,280.85	8,418.00	168.64	167.96	0.000	-951.77	8,595.79	1,758.18	1,618.01	12.543

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,178.87	10,175.00	16,359.72	8,418.00	170.25	169.58	0.000	-951.53	8,674.65	1,758.18	1,616.81	141.37	12.437	
18,200.00	10,175.00	16,380.85	8,418.00	170.69	170.01	0.000	-951.47	8,695.79	1,758.18	1,616.49	141.69	12.408	
18,278.87	10,175.00	16,459.72	8,418.00	172.30	171.63	0.000	-951.23	8,774.65	1,758.18	1,615.29	142.89	12.304	
18,300.00	10,175.00	16,480.85	8,418.00	172.73	172.06	0.000	-951.17	8,795.79	1,758.18	1,614.97	143.21	12.277	
18,378.87	10,175.00	16,559.72	8,418.00	174.35	173.68	0.000	-950.94	8,874.65	1,758.18	1,613.77	144.41	12.175	
18,400.00	10,175.00	16,580.85	8,418.00	174.78	174.11	0.000	-950.87	8,895.79	1,758.18	1,613.45	144.73	12.148	
18,478.87	10,175.00	16,659.72	8,418.00	176.40	175.72	0.000	-950.64	8,974.65	1,758.18	1,612.24	145.94	12.048	
18,500.00	10,175.00	16,680.85	8,418.00	176.83	176.16	0.000	-950.58	8,995.78	1,758.18	1,611.92	146.26	12.021	
18,578.87	10,175.00	16,759.72	8,418.00	178.45	177.77	0.000	-950.34	9,074.65	1,758.18	1,610.72	147.46	11.923	
18,600.00	10,175.00	16,780.85	8,418.00	178.88	178.21	0.000	-950.28	9,095.78	1,758.18	1,610.40	147.78	11.897	
18,678.87	10,175.00	16,859.72	8,418.00	180.50	179.82	0.000	-950.04	9,174.65	1,758.18	1,609.20	148.98	11.801	
18,700.00	10,175.00	16,880.85	8,418.00	180.93	180.26	0.000	-949.98	9,195.78	1,758.18	1,608.87	149.31	11.776	
18,778.87	10,175.00	16,959.72	8,418.00	182.55	181.87	0.000	-949.74	9,274.65	1,758.18	1,607.67	150.51	11.682	
18,800.00	10,175.00	16,980.85	8,418.00	182.98	182.31	0.000	-949.68	9,295.78	1,758.18	1,607.35	150.83	11.657	
18,878.87	10,175.00	17,059.72	8,418.00	184.60	183.92	0.000	-949.45	9,374.65	1,758.18	1,606.14	152.04	11.564	
18,900.00	10,175.00	17,080.85	8,418.00	185.03	184.36	0.000	-949.38	9,395.78	1,758.18	1,605.82	152.36	11.540	
18,978.87	10,175.00	17,159.72	8,418.00	186.65	185.97	0.000	-949.15	9,474.65	1,758.18	1,604.62	153.56	11.449	
19,000.00	10,175.00	17,180.85	8,418.00	187.08	186.41	0.000	-949.08	9,495.78	1,758.18	1,604.29	153.89	11.425	
19,078.87	10,175.00	17,259.72	8,418.00	188.70	188.03	0.000	-948.85	9,574.65	1,758.18	1,603.09	155.09	11.336	
19,100.00	10,175.00	17,280.85	8,418.00	189.13	188.46	0.000	-948.79	9,595.78	1,758.18	1,602.77	155.41	11.313	
19,178.87	10,175.00	17,359.72	8,418.00	190.75	190.08	0.000	-948.55	9,674.65	1,758.18	1,601.56	156.62	11.226	
19,200.00	10,175.00	17,380.85	8,418.00	191.18	190.51	0.000	-948.49	9,695.78	1,758.18	1,601.24	156.94	11.203	
19,278.87	10,175.00	17,459.72	8,418.00	192.80	192.13	0.000	-948.25	9,774.65	1,758.18	1,600.03	158.15	11.117	
19,300.00	10,175.00	17,480.85	8,418.00	193.23	192.56	0.000	-948.19	9,795.78	1,758.18	1,599.71	158.47	11.095	
19,378.87	10,175.00	17,559.72	8,418.00	194.85	194.18	0.000	-947.95	9,874.65	1,758.18	1,598.50	159.68	11.011	
19,400.00	10,175.00	17,580.85	8,418.00	195.29	194.62	0.000	-947.89	9,895.78	1,758.18	1,598.18	160.00	10.988	
19,478.87	10,175.00	17,659.72	8,418.00	196.91	196.24	0.000	-947.66	9,974.65	1,758.18	1,596.97	161.21	10.906	
19,500.00	10,175.00	17,680.85	8,418.00	197.34	196.67	0.000	-947.59	9,995.78	1,758.18	1,596.65	161.53	10.884	
19,578.87	10,175.00	17,759.72	8,418.00	198.96	198.29	0.000	-947.36	10,074.65	1,758.18	1,595.44	162.74	10.803	
19,600.00	10,175.00	17,780.85	8,418.00	199.39	198.72	0.000	-947.30	10,095.78	1,758.18	1,595.11	163.07	10.782	
19,678.87	10,175.00	17,859.72	8,418.00	201.01	200.34	0.000	-947.06	10,174.65	1,758.18	1,593.90	164.28	10.703	
19,700.00	10,175.00	17,880.85	8,418.00	201.45	200.78	0.000	-947.00	10,195.78	1,758.18	1,593.58	164.60	10.682	
19,778.87	10,175.00	17,959.72	8,418.00	203.07	202.40	0.000	-946.76	10,274.65	1,758.18	1,592.37	165.81	10.604	
19,800.00	10,175.00	17,980.85	8,418.00	203.50	202.83	0.000	-946.70	10,295.78	1,758.18	1,592.05	166.13	10.583	
19,878.87	10,175.00	18,059.72	8,418.00	205.12	204.45	0.000	-946.46	10,374.65	1,758.18	1,590.84	167.34	10.506	
19,900.00	10,175.00	18,080.85	8,418.00	205.55	204.88	0.000	-946.40	10,395.78	1,758.18	1,590.51	167.67	10.486	
19,978.87	10,175.00	18,159.72	8,418.00	207.17	206.50	0.000	-946.17	10,474.65	1,758.18	1,589.30	168.88	10.411	
20,000.00	10,175.00	18,180.85	8,418.00	207.61	206.94	0.000	-946.10	10,495.78	1,758.18	1,588.98	169.20	10.391	
20,078.87	10,175.00	18,259.72	8,418.00	209.23	208.56	0.000	-945.87	10,574.65	1,758.18	1,587.77	170.41	10.317	
20,100.00	10,175.00	18,280.85	8,418.00	209.66	208.99	0.000	-945.80	10,595.78	1,758.18	1,587.44	170.74	10.298	
20,178.87	10,175.00	18,359.72	8,418.00	211.28	210.61	0.000	-945.57	10,674.64	1,758.18	1,586.23	171.95	10.225	
20,200.00	10,175.00	18,380.85	8,418.00	211.72	211.05	0.000	-945.51	10,695.78	1,758.18	1,585.91	172.27	10.206	
20,278.87	10,175.00	18,459.72	8,418.00	213.34	212.67	0.000	-945.27	10,774.64	1,758.18	1,584.69	173.49	10.134	
20,300.00	10,175.00	18,480.85	8,418.00	213.77	213.10	0.000	-945.21	10,795.78	1,758.18	1,584.37	173.81	10.116	
20,378.87	10,175.00	18,559.72	8,418.00	215.39	214.73	0.000	-944.97	10,874.64	1,758.18	1,583.16	175.02	10.045	
20,400.00	10,175.00	18,580.85	8,418.00	215.83	215.16	0.000	-944.91	10,895.78	1,758.18	1,582.83	175.35	10.027	
20,478.87	10,175.00	18,659.72	8,418.00	217.45	216.78	0.000	-944.67	10,974.64	1,758.18	1,581.62	176.56	9.958	
20,500.00	10,175.00	18,680.85	8,418.00	217.88	217.22	0.000	-944.61	10,995.78	1,758.18	1,581.29	176.89	9.940	
20,578.87	10,175.00	18,759.72	8,418.00	219.50	218.84	0.000	-944.38	11,074.64	1,758.18	1,580.08	178.10	9.872	
20,600.00	10,175.00	18,780.85	8,418.00	219.94	219.27	0.000	-944.31	11,095.78	1,758.18	1,579.76	178.42	9.854	
20,678.87	10,175.00	18,859.72	8,418.00	221.56	220.89	0.000	-944.08	11,174.64	1,758.18	1,578.54	179.64	9.787	
20,700.00	10,175.00	18,880.85	8,418.00	222.00	221.33	0.000	-944.02	11,195.77	1,758.18	1,578.22	179.96	9.770	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,778.87	10,175.00	18,959.72	8,418.00	223.62	222.95	0.000	-943.78	11,274.64	1,758.18	1,577.00	181.18	9.704	
20,800.00	10,175.00	18,980.85	8,418.00	224.05	223.39	0.000	-943.72	11,295.77	1,758.18	1,576.68	181.50	9.687	
20,878.87	10,175.00	19,059.72	8,418.00	225.67	225.01	0.000	-943.48	11,374.64	1,758.18	1,575.46	182.72	9.622	
20,900.00	10,175.00	19,080.85	8,418.00	226.11	225.44	0.000	-943.42	11,395.77	1,758.18	1,575.14	183.04	9.605	
20,978.87	10,175.00	19,159.72	8,418.00	227.73	227.06	0.000	-943.18	11,474.64	1,758.18	1,573.92	184.26	9.542	
21,000.00	10,175.00	19,180.85	8,418.00	228.17	227.50	0.000	-943.12	11,495.77	1,758.18	1,573.60	184.58	9.525	
21,078.87	10,175.00	19,259.72	8,418.00	229.79	229.12	0.000	-942.89	11,574.64	1,758.18	1,572.38	185.80	9.463	
21,100.00	10,175.00	19,280.85	8,418.00	230.22	229.56	0.000	-942.82	11,595.77	1,758.18	1,572.06	186.12	9.446	
21,198.07	10,175.00	19,378.92	8,418.00	232.24	231.57	0.000	-942.53	11,693.84	1,758.18	1,570.55	187.63	9.370	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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 (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.80	1.80	0.00	0.01	-7.925	59.98	-8.35	60.56				
100.00	100.00	101.80	101.80	0.79	0.80	-7.925	59.98	-8.35	60.56	58.98	1.58	38.251	
200.00	200.00	201.80	201.80	1.45	1.45	-7.925	59.98	-8.35	60.56	57.66	2.90	20.881	
300.00	300.00	301.80	301.80	1.89	1.90	-7.925	59.98	-8.35	60.56	56.77	3.79	15.979	
400.00	400.00	401.80	401.80	2.25	2.26	-7.925	59.98	-8.35	60.56	56.05	4.51	13.419	
500.00	500.00	501.80	501.80	2.57	2.57	-7.925	59.98	-8.35	60.56	55.42	5.14	11.781	
600.00	600.00	601.80	601.80	2.85	2.85	-7.925	59.98	-8.35	60.56	54.85	5.70	10.617	
700.00	700.00	701.80	701.80	3.11	3.11	-7.925	59.98	-8.35	60.56	54.34	6.22	9.735	
800.00	800.00	801.80	801.80	3.35	3.35	-7.925	59.98	-8.35	60.56	53.86	6.70	9.036	
900.00	900.00	901.80	901.80	3.58	3.58	-7.925	59.98	-8.35	60.56	53.40	7.15	8.465	
1,000.00	1,000.00	1,001.80	1,001.80	3.79	3.79	-7.925	59.98	-8.35	60.56	52.98	7.58	7.986	
1,100.00	1,100.00	1,101.80	1,101.80	3.99	4.00	-7.925	59.98	-8.35	60.56	52.57	7.99	7.577	
1,200.00	1,200.00	1,201.80	1,201.80	4.19	4.19	-7.925	59.98	-8.35	60.56	52.17	8.39	7.222	
1,300.00	1,300.00	1,301.80	1,301.80	4.38	4.38	-7.925	59.98	-8.35	60.56	51.80	8.76	6.911	
1,400.00	1,400.00	1,401.80	1,401.80	4.56	4.57	-7.925	59.98	-8.35	60.56	51.43	9.13	6.634	
1,500.00	1,500.00	1,501.80	1,501.80	4.74	4.74	-7.925	59.98	-8.35	60.56	51.08	9.48	6.386	
1,600.00	1,600.00	1,601.80	1,601.80	4.91	4.91	-7.925	59.98	-8.35	60.56	50.73	9.83	6.163	
1,700.00	1,700.00	1,701.80	1,701.80	5.08	5.08	-7.925	59.98	-8.35	60.56	50.40	10.16	5.960	
1,800.00	1,800.00	1,801.80	1,801.80	5.24	5.25	-7.925	59.98	-8.35	60.56	50.07	10.49	5.774	
1,900.00	1,900.00	1,901.80	1,901.80	5.40	5.41	-7.925	59.98	-8.35	60.56	49.75	10.81	5.603	
2,000.00	2,000.00	2,001.80	2,001.80	5.56	5.56	-7.925	59.98	-8.35	60.56	49.44	11.12	5.446 CC, ES	
2,100.00	2,099.98	2,101.78	2,101.78	5.78	5.71	-158.759	59.98	-8.35	62.18	50.70	11.48	5.416 SF	
2,200.00	2,199.84	2,201.64	2,201.64	5.99	5.86	-160.345	59.98	-8.35	67.09	55.26	11.83	5.670	
2,300.00	2,299.45	2,301.25	2,301.25	6.21	6.01	-162.524	59.98	-8.35	75.35	63.15	12.20	6.177	
2,400.00	2,398.70	2,400.50	2,400.50	6.46	6.16	-164.870	59.98	-8.35	87.06	74.47	12.59	6.916	
2,500.00	2,497.47	2,499.27	2,499.27	6.73	6.30	-167.089	59.98	-8.35	102.25	89.25	13.00	7.865	
2,600.00	2,595.62	2,597.88	2,597.88	7.02	6.53	-168.128	60.40	-6.49	120.74	107.32	13.42	8.997	
2,700.00	2,693.06	2,695.98	2,695.79	7.33	6.77	-167.564	61.68	-0.92	142.26	128.41	13.85	10.275	
2,800.00	2,790.00	2,793.58	2,792.92	7.62	7.01	-166.026	63.78	8.32	165.52	151.28	14.24	11.626	
2,900.00	2,886.93	2,890.74	2,889.32	7.91	7.17	-164.050	66.47	20.11	188.80	174.19	14.60	12.928	
3,000.00	2,983.87	2,987.81	2,985.62	8.21	7.36	-162.481	69.18	31.98	212.24	197.24	15.00	14.147	
3,100.00	3,080.81	3,084.87	3,081.92	8.54	7.56	-161.223	71.89	43.86	235.81	220.39	15.42	15.294	
3,200.00	3,177.74	3,181.94	3,178.22	8.88	7.78	-160.194	74.60	55.74	259.46	243.61	15.85	16.372	
3,300.00	3,274.68	3,279.00	3,274.51	9.23	8.01	-159.337	77.31	67.61	283.18	266.89	16.29	17.383	
3,400.00	3,371.61	3,376.07	3,370.81	9.60	8.26	-158.613	80.02	79.49	306.95	290.20	16.75	18.330	
3,500.00	3,468.55	3,473.14	3,467.11	9.97	8.52	-157.992	82.73	91.37	330.76	313.55	17.21	19.218	
3,600.00	3,565.49	3,570.20	3,563.41	10.36	8.79	-157.455	85.44	103.24	354.60	336.91	17.69	20.050	
3,700.00	3,662.42	3,667.27	3,659.71	10.75	9.07	-156.985	88.14	115.12	378.47	360.30	18.17	20.830	
3,800.00	3,759.36	3,764.34	3,756.01	11.16	9.37	-156.571	90.85	127.00	402.36	383.69	18.66	21.562	
3,900.00	3,856.30	3,861.40	3,852.31	11.57	9.67	-156.204	93.56	138.87	426.26	407.10	19.16	22.249	
4,000.00	3,953.23	3,958.47	3,948.61	11.98	9.97	-155.875	96.27	150.75	450.18	430.52	19.66	22.894	
4,100.00	4,050.17	4,055.53	4,044.90	12.40	10.29	-155.580	98.98	162.63	474.11	453.94	20.17	23.500	
4,200.00	4,147.11	4,152.60	4,141.20	12.83	10.61	-155.313	101.69	174.50	498.06	477.37	20.69	24.071	
4,300.00	4,244.04	4,249.67	4,237.50	13.26	10.94	-155.071	104.40	186.38	522.01	500.80	21.21	24.609	
4,400.00	4,340.98	4,346.73	4,333.80	13.70	11.27	-154.849	107.11	198.26	545.97	524.23	21.74	25.116	
4,500.00	4,437.91	4,443.80	4,430.10	14.14	11.61	-154.647	109.82	210.13	569.94	547.67	22.27	25.594	
4,600.00	4,534.85	4,540.87	4,526.40	14.58	11.95	-154.461	112.53	222.01	593.92	571.11	22.80	26.046	
4,700.00	4,631.79	4,637.93	4,622.70	15.02	12.30	-154.289	115.24	233.89	617.90	594.55	23.34	26.473	
4,800.00	4,728.72	4,735.00	4,719.00	15.47	12.65	-154.130	117.95	245.76	641.88	618.00	23.88	26.878	
4,900.00	4,825.66	4,832.06	4,815.30	15.92	13.01	-153.982	120.65	257.64	665.87	641.44	24.43	27.261	
5,000.00	4,922.60	4,929.13	4,911.59	16.38	13.36	-153.845	123.36	269.52	689.86	664.89	24.97	27.624	
5,100.00	5,019.53	5,026.20	5,007.89	16.83	13.72	-153.717	126.07	281.40	713.86	688.34	25.52	27.970	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	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)		
5,200.00	5,116.47	5,123.26	5,104.19	17.29	14.09	-153.597	128.78	293.27	737.86	711.78	26.08	28.297	
5,300.00	5,213.41	5,220.33	5,200.49	17.75	14.45	-153.485	131.49	305.15	761.86	735.23	26.63	28.609	
5,400.00	5,310.34	5,317.40	5,296.79	18.21	14.82	-153.380	134.20	317.03	785.86	758.68	27.19	28.906	
5,500.00	5,407.28	5,414.46	5,393.09	18.68	15.19	-153.281	136.91	328.90	809.87	782.13	27.75	29.189	
5,600.00	5,504.22	5,511.53	5,489.39	19.14	15.56	-153.187	139.62	340.78	833.88	805.57	28.31	29.459	
5,700.00	5,601.15	5,608.59	5,585.69	19.61	15.94	-153.099	142.33	352.66	857.89	829.02	28.87	29.716	
5,800.00	5,698.09	5,705.66	5,681.98	20.08	16.31	-153.016	145.04	364.53	881.91	852.47	29.43	29.962	
5,900.00	5,795.02	5,802.73	5,778.28	20.55	16.69	-152.937	147.75	376.41	905.92	875.92	30.00	30.197	
6,000.00	5,891.96	5,899.79	5,874.58	21.02	17.07	-152.862	150.45	388.29	929.94	899.37	30.57	30.422	
6,100.00	5,988.90	5,996.86	5,970.88	21.49	17.45	-152.791	153.16	400.16	953.96	922.82	31.14	30.637	
6,200.00	6,085.83	6,093.93	6,067.18	21.96	17.84	-152.723	155.87	412.04	977.97	946.27	31.71	30.843	
6,300.00	6,182.77	6,190.99	6,163.48	22.43	18.22	-152.659	158.58	423.92	1,001.99	969.71	32.28	31.040	
6,400.00	6,279.71	6,288.06	6,259.78	22.91	18.60	-152.597	161.29	435.79	1,026.02	993.16	32.85	31.230	
6,500.00	6,376.64	6,385.12	6,356.08	23.38	18.99	-152.539	164.00	447.67	1,050.04	1,016.61	33.43	31.412	
6,600.00	6,473.61	6,482.22	6,452.40	23.84	19.38	-152.542	166.71	459.55	1,073.94	1,039.96	33.99	31.597	
6,700.00	6,571.18	6,579.81	6,549.22	24.33	19.77	-152.626	169.43	471.49	1,095.61	1,061.05	34.57	31.695	
6,800.00	6,669.45	6,677.98	6,646.62	24.80	20.16	-152.600	172.17	483.50	1,114.25	1,079.13	35.12	31.723	
6,900.00	6,768.30	6,776.60	6,744.46	25.25	20.56	-152.469	174.93	495.57	1,129.86	1,094.20	35.66	31.685	
7,000.00	6,867.62	6,875.56	6,842.64	25.67	20.95	-152.235	177.69	507.68	1,142.44	1,106.28	36.17	31.589	
7,100.00	6,967.29	6,974.74	6,941.03	26.06	21.35	-151.900	180.46	519.81	1,152.00	1,115.37	36.64	31.442	
7,200.00	7,067.18	7,074.00	7,039.51	26.40	21.75	-151.463	183.23	531.96	1,158.57	1,121.51	37.06	31.258	
7,300.00	7,167.16	7,173.24	7,137.96	26.54	22.16	-0.673	186.00	544.10	1,162.23	1,124.92	37.31	31.154	
7,400.00	7,267.16	7,272.45	7,236.39	26.57	22.56	-0.074	188.77	556.24	1,164.96	1,127.49	37.47	31.093	
7,500.00	7,367.16	7,371.66	7,334.81	26.59	22.96	0.522	191.53	568.38	1,167.82	1,130.19	37.63	31.038	
7,600.00	7,467.16	7,470.87	7,433.24	26.61	23.36	1.115	194.30	580.52	1,170.81	1,133.02	37.79	30.982	
7,700.00	7,567.16	7,570.42	7,532.00	26.63	23.76	1.707	197.08	592.70	1,173.92	1,135.97	37.95	30.936	
7,800.00	7,667.16	7,683.49	7,644.47	26.66	24.22	2.251	199.65	603.94	1,176.55	1,138.38	38.17	30.823	
7,900.00	7,767.16	7,797.37	7,758.16	26.68	24.64	2.556	201.09	610.29	1,178.05	1,139.66	38.39	30.684	
8,000.00	7,867.16	7,900.00	7,860.77	26.70	24.82	2.637	201.47	611.96	1,178.48	1,139.96	38.51	30.598	
8,100.00	7,967.16	7,968.79	7,929.26	26.73	25.13	2.921	202.53	617.87	1,180.46	1,141.93	38.53	30.636	
8,200.00	8,067.16	8,034.57	7,993.62	26.75	25.46	3.553	204.89	631.04	1,185.29	1,146.74	38.56	30.740	
8,300.00	8,167.16	8,100.00	8,055.71	26.77	25.82	4.515	208.51	651.25	1,193.32	1,154.71	38.61	30.905	
8,400.00	8,267.16	8,150.00	8,101.34	26.80	26.10	5.462	212.11	671.32	1,204.98	1,166.39	38.59	31.223	
8,500.00	8,367.16	8,200.00	8,145.03	26.82	26.38	6.579	216.40	695.23	1,220.75	1,182.17	38.59	31.635	
8,600.00	8,467.16	8,250.00	8,186.43	26.85	26.65	7.850	221.35	722.79	1,241.00	1,202.39	38.61	32.142	
8,700.00	8,567.16	8,300.00	8,225.24	26.87	26.91	9.259	226.91	753.80	1,266.07	1,227.41	38.66	32.748	
8,800.00	8,667.16	8,330.80	8,247.72	26.90	27.06	10.187	230.63	774.52	1,296.05	1,257.51	38.54	33.631	
8,900.00	8,767.16	8,363.57	8,270.36	26.92	27.22	11.218	234.81	797.83	1,331.04	1,292.59	38.45	34.618	
9,000.00	8,867.16	8,400.00	8,293.90	26.95	27.39	12.410	239.72	825.19	1,370.97	1,332.54	38.43	35.672	
9,100.00	8,967.16	8,418.51	8,305.17	26.98	27.46	13.031	242.31	839.65	1,415.53	1,377.30	38.23	37.024	
9,200.00	9,067.16	8,450.00	8,323.22	27.00	27.60	14.109	246.86	865.03	1,464.69	1,426.46	38.23	38.315	
9,300.00	9,167.16	8,450.00	8,323.22	27.03	27.60	14.109	246.86	865.03	1,518.04	1,480.18	37.86	40.092	
9,400.00	9,267.16	8,480.71	8,339.44	27.05	27.71	15.179	251.47	890.69	1,575.08	1,537.14	37.94	41.512	
9,500.00	9,367.16	8,500.00	8,348.91	27.08	27.78	15.860	254.43	907.24	1,635.84	1,597.92	37.92	43.142	
9,600.00	9,467.16	8,500.00	8,348.91	27.11	27.78	15.860	254.43	907.24	1,699.99	1,662.30	37.70	45.097	
9,700.00	9,567.16	8,526.12	8,360.82	27.13	27.86	16.788	258.54	930.11	1,766.84	1,728.98	37.86	46.670	
9,800.00	9,667.02	8,550.00	8,370.77	27.25	27.94	-66.477	262.37	951.48	1,835.75	1,797.75	37.99	48.316	
9,900.00	9,764.89	8,550.00	8,370.77	27.49	27.94	-58.596	262.37	951.48	1,902.19	1,864.40	37.79	50.335	
10,000.00	9,857.80	8,573.95	8,379.83	27.77	28.00	-51.646	266.29	973.30	1,964.22	1,926.36	37.86	51.881	
10,100.00	9,942.95	8,600.00	8,388.62	28.07	28.07	-46.249	270.62	997.44	2,020.19	1,982.26	37.93	53.255	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3713.24usft

Offset Depths are relative to Offset Datum

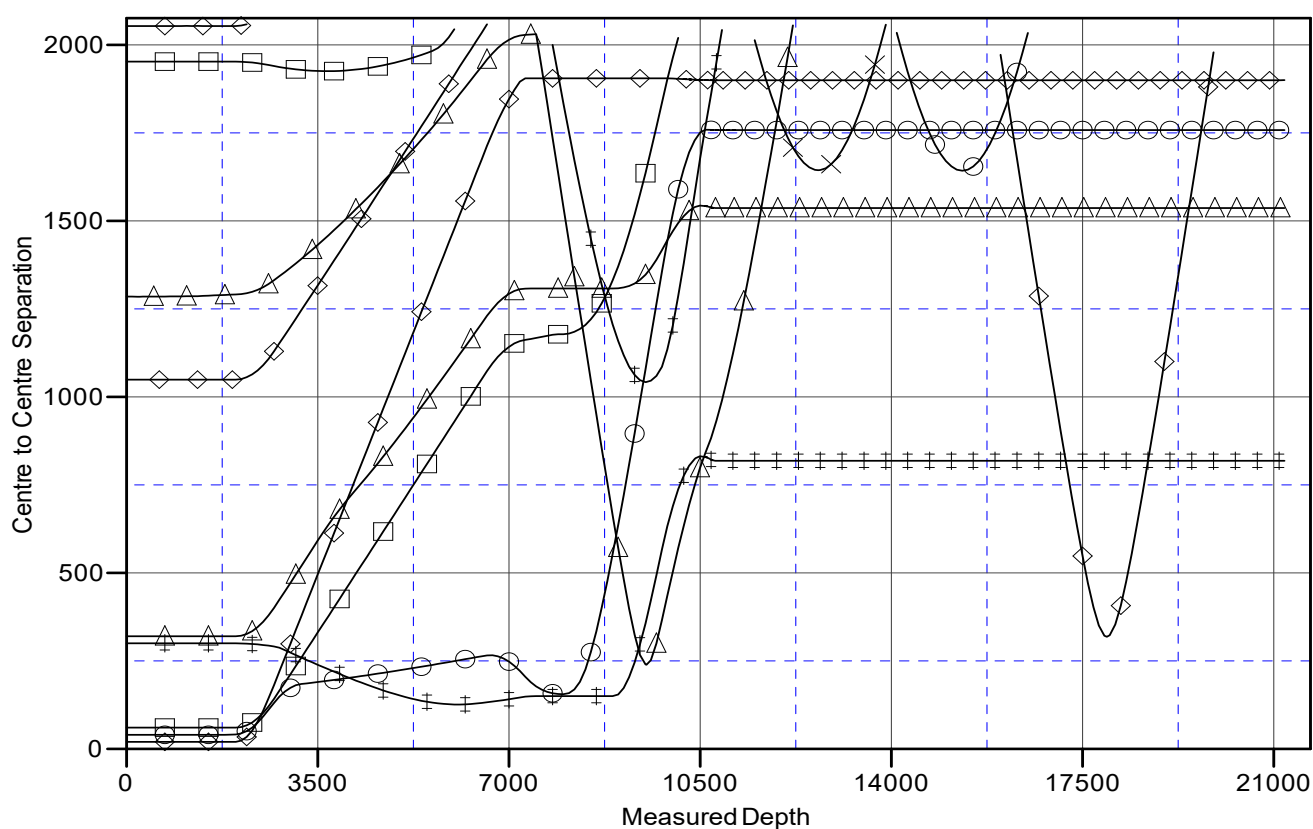
Central Meridian is -104.3333334

Coordinates are relative to: (01) Bond 33-34 FED COM #306H

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
 (W16) LEAR STATE SVD 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, 38866, (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

(04) Bond 33-34 FED COM #106H, #104H, Plan 1 V0
 (03) Bond 33-34 FED COM #106H, #106H, Plan 1 V0
 (02) Bond 33-34 FED COM #306H, #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 (01) Bond 33-34 FED COM #306H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3713.24usft
Reference Site:	Bond South Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3713.24usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#306H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3713.24usft

Offset Depths are relative to Offset Datum

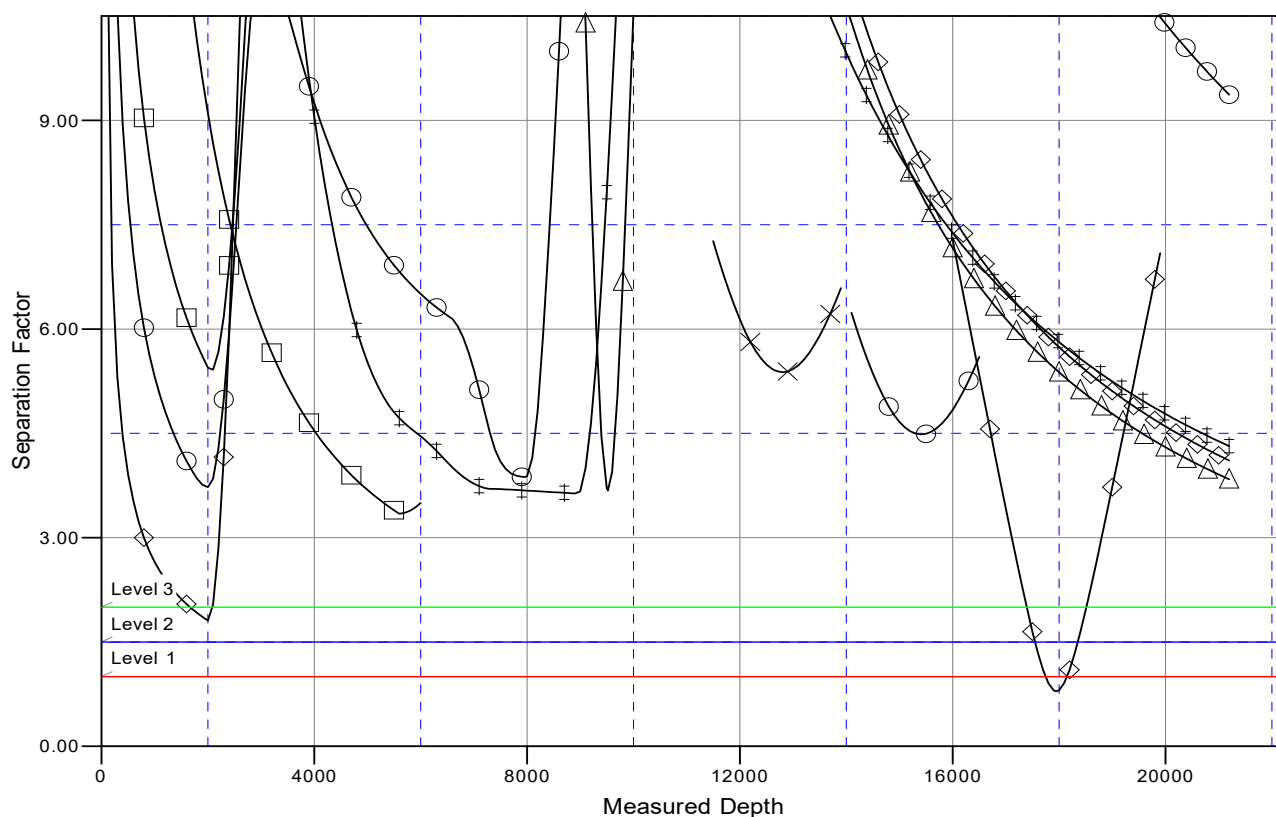
Central Meridian is -104.33333334

Coordinates are relative to: (01) Bond 33-34 FED COM #306H

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
 (W16) LEAR STATE SVD 003, 26703, (Inc Only) V0
 (W21) VANDIVER 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, (GyroMWD) V0
 (W25) PATTERSON 33 FEDERAL 001, 33411, (Depth Only) V0
 (W03) LEAR STATE 002H, 38866, (GyroMWD) V0
 (W06) GULF FEDERAL COM 001, 25637, (Inc Only) V0

(04) Bond 33-34 FED COM #106H, #104H Plan 1 V0
 (03) Bond 33-34 FED COM #106H, #106H Plan 1 V0
 (02) Bond 33-34 FED COM #306H, #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

(01) Bond 33-34 FED COM #306H

TBD

#306H

Plan: Plan 1

Standard Planning Report

03 December, 2025

DIXON



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3713.24usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3713.24usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#306H		
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	(01) Bond 33-34 FED COM #306H					
Well Position	+N/-S	0.00 usft	Northing:	618,957.00 usft	Latitude:	32.70035071
	+E/-W	0.00 usft	Easting:	710,408.11 usft	Longitude:	-103.78370798
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,682.74 usft
Grid Convergence:	0.297 °					

Wellbore	#306H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/2/2025	6.348	60.140	47,225.52413431

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	21,198.07 Plan 1 (#306H)	MWD+IFR1		
			OWSG MWD + IFR1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,710.95	14.22	150.25	2,703.68	-76.20	43.55	2.00	2.00	0.00	150.247	
6,571.88	14.22	150.25	6,446.32	-899.54	514.19	0.00	0.00	0.00	0.000	
7,282.84	0.00	89.83	7,150.00	-975.74	557.74	2.00	-2.00	0.00	180.000	
9,734.88	0.00	89.83	9,602.04	-975.74	557.74	0.00	0.00	0.00	0.000	
10,634.88	90.00	89.83	10,175.00	-974.03	1,130.70	10.00	10.00	0.00	0.000	
21,198.07	90.00	89.83	10,175.00	-942.53	11,693.84	0.00	0.00	0.00	0.000	PBHL - (01) Bond 33-



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3713.24usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3713.24usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#306H		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,100.00	2.00	150.25	2,099.98	-1.52	0.87	0.86	2.00	2.00	0.00
2,200.00	4.00	150.25	2,199.84	-6.06	3.46	3.45	2.00	2.00	0.00
2,300.00	6.00	150.25	2,299.45	-13.62	7.79	7.75	2.00	2.00	0.00
2,400.00	8.00	150.25	2,398.70	-24.20	13.84	13.76	2.00	2.00	0.00
2,500.00	10.00	150.25	2,497.47	-37.79	21.60	21.49	2.00	2.00	0.00
2,600.00	12.00	150.25	2,595.62	-54.35	31.07	30.91	2.00	2.00	0.00
2,700.00	14.00	150.25	2,693.06	-73.88	42.23	42.01	2.00	2.00	0.00
2,710.95	14.22	150.25	2,703.68	-76.20	43.55	43.33	2.00	2.00	0.00
Start 3860.93 hold at 2710.95 MD									
2,800.00	14.22	150.25	2,790.00	-95.19	54.41	54.13	0.00	0.00	0.00
2,900.00	14.22	150.25	2,886.93	-116.51	66.60	66.25	0.00	0.00	0.00
3,000.00	14.22	150.25	2,983.87	-137.84	78.79	78.38	0.00	0.00	0.00
3,100.00	14.22	150.25	3,080.81	-159.16	90.98	90.51	0.00	0.00	0.00
3,200.00	14.22	150.25	3,177.74	-180.49	103.17	102.63	0.00	0.00	0.00
3,300.00	14.22	150.25	3,274.68	-201.81	115.36	114.76	0.00	0.00	0.00
3,400.00	14.22	150.25	3,371.61	-223.14	127.55	126.88	0.00	0.00	0.00
3,500.00	14.22	150.25	3,468.55	-244.46	139.74	139.01	0.00	0.00	0.00
3,600.00	14.22	150.25	3,565.49	-265.79	151.93	151.14	0.00	0.00	0.00
3,700.00	14.22	150.25	3,662.42	-287.11	164.12	163.26	0.00	0.00	0.00
3,800.00	14.22	150.25	3,759.36	-308.44	176.31	175.39	0.00	0.00	0.00
3,900.00	14.22	150.25	3,856.30	-329.76	188.50	187.52	0.00	0.00	0.00
4,000.00	14.22	150.25	3,953.23	-351.09	200.68	199.64	0.00	0.00	0.00
4,100.00	14.22	150.25	4,050.17	-372.41	212.87	211.77	0.00	0.00	0.00
4,200.00	14.22	150.25	4,147.11	-393.74	225.06	223.89	0.00	0.00	0.00
4,300.00	14.22	150.25	4,244.04	-415.06	237.25	236.02	0.00	0.00	0.00
4,400.00	14.22	150.25	4,340.98	-436.39	249.44	248.15	0.00	0.00	0.00
4,500.00	14.22	150.25	4,437.91	-457.71	261.63	260.27	0.00	0.00	0.00
4,600.00	14.22	150.25	4,534.85	-479.04	273.82	272.40	0.00	0.00	0.00
4,700.00	14.22	150.25	4,631.79	-500.36	286.01	284.53	0.00	0.00	0.00
4,800.00	14.22	150.25	4,728.72	-521.69	298.20	296.65	0.00	0.00	0.00
4,900.00	14.22	150.25	4,825.66	-543.01	310.39	308.78	0.00	0.00	0.00



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3713.24usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3713.24usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#306H		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	14.22	150.25	4,922.60	-564.34	322.58	320.90	0.00	0.00	0.00
5,100.00	14.22	150.25	5,019.53	-585.66	334.77	333.03	0.00	0.00	0.00
5,200.00	14.22	150.25	5,116.47	-606.99	346.96	345.16	0.00	0.00	0.00
5,300.00	14.22	150.25	5,213.41	-628.31	359.15	357.28	0.00	0.00	0.00
5,400.00	14.22	150.25	5,310.34	-649.64	371.34	369.41	0.00	0.00	0.00
5,500.00	14.22	150.25	5,407.28	-670.96	383.53	381.54	0.00	0.00	0.00
5,600.00	14.22	150.25	5,504.22	-692.29	395.72	393.66	0.00	0.00	0.00
5,700.00	14.22	150.25	5,601.15	-713.61	407.91	405.79	0.00	0.00	0.00
5,800.00	14.22	150.25	5,698.09	-734.94	420.10	417.91	0.00	0.00	0.00
5,900.00	14.22	150.25	5,795.02	-756.26	432.29	430.04	0.00	0.00	0.00
6,000.00	14.22	150.25	5,891.96	-777.59	444.48	442.17	0.00	0.00	0.00
6,100.00	14.22	150.25	5,988.90	-798.91	456.67	454.29	0.00	0.00	0.00
6,200.00	14.22	150.25	6,085.83	-820.24	468.86	466.42	0.00	0.00	0.00
6,300.00	14.22	150.25	6,182.77	-841.56	481.05	478.55	0.00	0.00	0.00
6,400.00	14.22	150.25	6,279.71	-862.89	493.24	490.67	0.00	0.00	0.00
6,500.00	14.22	150.25	6,376.64	-884.21	505.42	502.80	0.00	0.00	0.00
6,571.88	14.22	150.25	6,446.32	-899.54	514.19	511.52	0.00	0.00	0.00
Start Drop -2.00									
6,600.00	13.66	150.25	6,473.61	-905.42	517.55	514.86	2.00	-2.00	0.00
6,700.00	11.66	150.25	6,571.18	-924.44	528.42	525.68	2.00	-2.00	0.00
6,800.00	9.66	150.25	6,669.45	-940.49	537.60	534.80	2.00	-2.00	0.00
6,900.00	7.66	150.25	6,768.30	-953.56	545.07	542.23	2.00	-2.00	0.00
7,000.00	5.66	150.25	6,867.62	-963.62	550.82	547.96	2.00	-2.00	0.00
7,100.00	3.66	150.25	6,967.29	-970.67	554.85	551.96	2.00	-2.00	0.00
7,200.00	1.66	150.25	7,067.18	-974.70	557.15	554.25	2.00	-2.00	0.00
7,282.84	0.00	89.83	7,150.00	-975.74	557.74	554.84	2.00	-2.00	0.00
Start 2452.04 hold at 7282.84 MD									
7,300.00	0.00	0.00	7,167.16	-975.74	557.74	554.84	0.00	0.00	0.00
7,400.00	0.00	0.00	7,267.16	-975.74	557.74	554.84	0.00	0.00	0.00
7,500.00	0.00	0.00	7,367.16	-975.74	557.74	554.84	0.00	0.00	0.00
7,600.00	0.00	0.00	7,467.16	-975.74	557.74	554.84	0.00	0.00	0.00
7,700.00	0.00	0.00	7,567.16	-975.74	557.74	554.84	0.00	0.00	0.00
7,800.00	0.00	0.00	7,667.16	-975.74	557.74	554.84	0.00	0.00	0.00
7,900.00	0.00	0.00	7,767.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,000.00	0.00	0.00	7,867.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,100.00	0.00	0.00	7,967.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,200.00	0.00	0.00	8,067.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,300.00	0.00	0.00	8,167.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,400.00	0.00	0.00	8,267.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,500.00	0.00	0.00	8,367.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,600.00	0.00	0.00	8,467.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,700.00	0.00	0.00	8,567.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,800.00	0.00	0.00	8,667.16	-975.74	557.74	554.84	0.00	0.00	0.00
8,900.00	0.00	0.00	8,767.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,000.00	0.00	0.00	8,867.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,100.00	0.00	0.00	8,967.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,200.00	0.00	0.00	9,067.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,300.00	0.00	0.00	9,167.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,400.00	0.00	0.00	9,267.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,500.00	0.00	0.00	9,367.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,600.00	0.00	0.00	9,467.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,700.00	0.00	0.00	9,567.16	-975.74	557.74	554.84	0.00	0.00	0.00
9,734.88	0.00	0.00	9,602.04	-975.74	557.74	554.84	0.00	0.00	0.00



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3713.24usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3713.24usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#306H		
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 Build 10.00									
9,750.00	1.51	89.83	9,617.16	-975.74	557.94	555.04	10.00	10.00	0.00
9,800.00	6.51	89.83	9,667.02	-975.72	561.44	558.54	10.00	10.00	0.00
9,850.00	11.51	89.83	9,716.39	-975.70	569.27	566.37	10.00	10.00	0.00
9,900.00	16.51	89.83	9,764.89	-975.67	581.37	578.47	10.00	10.00	0.00
9,950.00	21.51	89.83	9,812.15	-975.62	597.65	594.76	10.00	10.00	0.00
10,000.00	26.51	89.83	9,857.80	-975.56	617.99	615.10	10.00	10.00	0.00
10,050.00	31.51	89.83	9,901.52	-975.48	642.24	639.34	10.00	10.00	0.00
10,100.00	36.51	89.83	9,942.95	-975.40	670.20	667.30	10.00	10.00	0.00
10,150.00	41.51	89.83	9,981.79	-975.31	701.66	698.76	10.00	10.00	0.00
10,200.00	46.51	89.83	10,017.74	-975.20	736.39	733.49	10.00	10.00	0.00
10,250.00	51.51	89.83	10,050.52	-975.09	774.12	771.22	10.00	10.00	0.00
10,300.00	56.51	89.83	10,079.89	-974.97	814.56	811.67	10.00	10.00	0.00
10,350.00	61.51	89.83	10,105.63	-974.84	857.41	854.52	10.00	10.00	0.00
10,400.00	66.51	89.83	10,127.53	-974.71	902.34	899.45	10.00	10.00	0.00
10,450.00	71.51	89.83	10,145.43	-974.57	949.01	946.12	10.00	10.00	0.00
10,500.00	76.51	89.83	10,159.20	-974.43	997.06	994.17	10.00	10.00	0.00
10,550.00	81.51	89.83	10,168.72	-974.28	1,046.13	1,043.23	10.00	10.00	0.00
10,600.00	86.51	89.83	10,173.94	-974.13	1,095.84	1,092.95	10.00	10.00	0.00
10,634.88	90.00	89.83	10,175.00	-974.03	1,130.70	1,127.80	10.00	10.00	0.00
Start 10563.19 hold at 10634.88 MD									
10,700.00	90.00	89.83	10,175.00	-973.83	1,195.82	1,192.92	0.00	0.00	0.00
10,800.00	90.00	89.83	10,175.00	-973.53	1,295.82	1,292.92	0.00	0.00	0.00
10,900.00	90.00	89.83	10,175.00	-973.24	1,395.82	1,392.92	0.00	0.00	0.00
11,000.00	90.00	89.83	10,175.00	-972.94	1,495.82	1,492.92	0.00	0.00	0.00
11,100.00	90.00	89.83	10,175.00	-972.64	1,595.82	1,592.92	0.00	0.00	0.00
11,200.00	90.00	89.83	10,175.00	-972.34	1,695.82	1,692.92	0.00	0.00	0.00
11,300.00	90.00	89.83	10,175.00	-972.04	1,795.82	1,792.92	0.00	0.00	0.00
11,400.00	90.00	89.83	10,175.00	-971.75	1,895.82	1,892.92	0.00	0.00	0.00
11,500.00	90.00	89.83	10,175.00	-971.45	1,995.82	1,992.92	0.00	0.00	0.00
11,600.00	90.00	89.83	10,175.00	-971.15	2,095.82	2,092.92	0.00	0.00	0.00
11,700.00	90.00	89.83	10,175.00	-970.85	2,195.81	2,192.92	0.00	0.00	0.00
11,800.00	90.00	89.83	10,175.00	-970.55	2,295.81	2,292.92	0.00	0.00	0.00
11,900.00	90.00	89.83	10,175.00	-970.25	2,395.81	2,392.92	0.00	0.00	0.00
12,000.00	90.00	89.83	10,175.00	-969.96	2,495.81	2,492.92	0.00	0.00	0.00
12,100.00	90.00	89.83	10,175.00	-969.66	2,595.81	2,592.92	0.00	0.00	0.00
12,200.00	90.00	89.83	10,175.00	-969.36	2,695.81	2,692.92	0.00	0.00	0.00
12,300.00	90.00	89.83	10,175.00	-969.06	2,795.81	2,792.92	0.00	0.00	0.00
12,400.00	90.00	89.83	10,175.00	-968.76	2,895.81	2,892.92	0.00	0.00	0.00
12,500.00	90.00	89.83	10,175.00	-968.47	2,995.81	2,992.92	0.00	0.00	0.00
12,600.00	90.00	89.83	10,175.00	-968.17	3,095.81	3,092.92	0.00	0.00	0.00
12,700.00	90.00	89.83	10,175.00	-967.87	3,195.81	3,192.92	0.00	0.00	0.00
12,800.00	90.00	89.83	10,175.00	-967.57	3,295.81	3,292.92	0.00	0.00	0.00
12,900.00	90.00	89.83	10,175.00	-967.27	3,395.81	3,392.92	0.00	0.00	0.00
13,000.00	90.00	89.83	10,175.00	-966.97	3,495.81	3,492.92	0.00	0.00	0.00
13,100.00	90.00	89.83	10,175.00	-966.68	3,595.81	3,592.92	0.00	0.00	0.00
13,200.00	90.00	89.83	10,175.00	-966.38	3,695.81	3,692.92	0.00	0.00	0.00
13,300.00	90.00	89.83	10,175.00	-966.08	3,795.81	3,792.92	0.00	0.00	0.00
13,400.00	90.00	89.83	10,175.00	-965.78	3,895.81	3,892.92	0.00	0.00	0.00
13,500.00	90.00	89.83	10,175.00	-965.48	3,995.81	3,992.92	0.00	0.00	0.00
13,600.00	90.00	89.83	10,175.00	-965.19	4,095.81	4,092.92	0.00	0.00	0.00
13,700.00	90.00	89.83	10,175.00	-964.89	4,195.81	4,192.92	0.00	0.00	0.00
13,800.00	90.00	89.83	10,175.00	-964.59	4,295.81	4,292.92	0.00	0.00	0.00
13,900.00	90.00	89.83	10,175.00	-964.29	4,395.81	4,392.92	0.00	0.00	0.00

Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3713.24usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3713.24usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#306H		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,000.00	90.00	89.83	10,175.00	-963.99	4,495.80	4,492.92	0.00	0.00	0.00
14,100.00	90.00	89.83	10,175.00	-963.70	4,595.80	4,592.92	0.00	0.00	0.00
14,200.00	90.00	89.83	10,175.00	-963.40	4,695.80	4,692.92	0.00	0.00	0.00
14,300.00	90.00	89.83	10,175.00	-963.10	4,795.80	4,792.92	0.00	0.00	0.00
14,400.00	90.00	89.83	10,175.00	-962.80	4,895.80	4,892.92	0.00	0.00	0.00
14,500.00	90.00	89.83	10,175.00	-962.50	4,995.80	4,992.92	0.00	0.00	0.00
14,600.00	90.00	89.83	10,175.00	-962.20	5,095.80	5,092.92	0.00	0.00	0.00
14,700.00	90.00	89.83	10,175.00	-961.91	5,195.80	5,192.92	0.00	0.00	0.00
14,800.00	90.00	89.83	10,175.00	-961.61	5,295.80	5,292.92	0.00	0.00	0.00
14,900.00	90.00	89.83	10,175.00	-961.31	5,395.80	5,392.92	0.00	0.00	0.00
15,000.00	90.00	89.83	10,175.00	-961.01	5,495.80	5,492.92	0.00	0.00	0.00
15,100.00	90.00	89.83	10,175.00	-960.71	5,595.80	5,592.92	0.00	0.00	0.00
15,200.00	90.00	89.83	10,175.00	-960.42	5,695.80	5,692.92	0.00	0.00	0.00
15,300.00	90.00	89.83	10,175.00	-960.12	5,795.80	5,792.92	0.00	0.00	0.00
15,400.00	90.00	89.83	10,175.00	-959.82	5,895.80	5,892.92	0.00	0.00	0.00
15,500.00	90.00	89.83	10,175.00	-959.52	5,995.80	5,992.92	0.00	0.00	0.00
15,600.00	90.00	89.83	10,175.00	-959.22	6,095.80	6,092.92	0.00	0.00	0.00
15,700.00	90.00	89.83	10,175.00	-958.92	6,195.80	6,192.92	0.00	0.00	0.00
15,800.00	90.00	89.83	10,175.00	-958.63	6,295.80	6,292.92	0.00	0.00	0.00
15,900.00	90.00	89.83	10,175.00	-958.33	6,395.80	6,392.92	0.00	0.00	0.00
16,000.00	90.00	89.83	10,175.00	-958.03	6,495.80	6,492.92	0.00	0.00	0.00
16,100.00	90.00	89.83	10,175.00	-957.73	6,595.80	6,592.92	0.00	0.00	0.00
16,200.00	90.00	89.83	10,175.00	-957.43	6,695.79	6,692.92	0.00	0.00	0.00
16,300.00	90.00	89.83	10,175.00	-957.14	6,795.79	6,792.92	0.00	0.00	0.00
16,400.00	90.00	89.83	10,175.00	-956.84	6,895.79	6,892.92	0.00	0.00	0.00
16,500.00	90.00	89.83	10,175.00	-956.54	6,995.79	6,992.92	0.00	0.00	0.00
16,600.00	90.00	89.83	10,175.00	-956.24	7,095.79	7,092.92	0.00	0.00	0.00
16,700.00	90.00	89.83	10,175.00	-955.94	7,195.79	7,192.92	0.00	0.00	0.00
16,800.00	90.00	89.83	10,175.00	-955.64	7,295.79	7,292.92	0.00	0.00	0.00
16,900.00	90.00	89.83	10,175.00	-955.35	7,395.79	7,392.92	0.00	0.00	0.00
17,000.00	90.00	89.83	10,175.00	-955.05	7,495.79	7,492.92	0.00	0.00	0.00
17,100.00	90.00	89.83	10,175.00	-954.75	7,595.79	7,592.92	0.00	0.00	0.00
17,200.00	90.00	89.83	10,175.00	-954.45	7,695.79	7,692.92	0.00	0.00	0.00
17,300.00	90.00	89.83	10,175.00	-954.15	7,795.79	7,792.92	0.00	0.00	0.00
17,400.00	90.00	89.83	10,175.00	-953.86	7,895.79	7,892.92	0.00	0.00	0.00
17,500.00	90.00	89.83	10,175.00	-953.56	7,995.79	7,992.92	0.00	0.00	0.00
17,600.00	90.00	89.83	10,175.00	-953.26	8,095.79	8,092.92	0.00	0.00	0.00
17,700.00	90.00	89.83	10,175.00	-952.96	8,195.79	8,192.92	0.00	0.00	0.00
17,800.00	90.00	89.83	10,175.00	-952.66	8,295.79	8,292.92	0.00	0.00	0.00
17,900.00	90.00	89.83	10,175.00	-952.36	8,395.79	8,392.92	0.00	0.00	0.00
18,000.00	90.00	89.83	10,175.00	-952.07	8,495.79	8,492.92	0.00	0.00	0.00
18,100.00	90.00	89.83	10,175.00	-951.77	8,595.79	8,592.92	0.00	0.00	0.00
18,200.00	90.00	89.83	10,175.00	-951.47	8,695.79	8,692.92	0.00	0.00	0.00
18,300.00	90.00	89.83	10,175.00	-951.17	8,795.79	8,792.92	0.00	0.00	0.00
18,400.00	90.00	89.83	10,175.00	-950.87	8,895.79	8,892.92	0.00	0.00	0.00
18,500.00	90.00	89.83	10,175.00	-950.58	8,995.78	8,992.92	0.00	0.00	0.00
18,600.00	90.00	89.83	10,175.00	-950.28	9,095.78	9,092.92	0.00	0.00	0.00
18,700.00	90.00	89.83	10,175.00	-949.98	9,195.78	9,192.92	0.00	0.00	0.00
18,800.00	90.00	89.83	10,175.00	-949.68	9,295.78	9,292.92	0.00	0.00	0.00
18,900.00	90.00	89.83	10,175.00	-949.38	9,395.78	9,392.92	0.00	0.00	0.00
19,000.00	90.00	89.83	10,175.00	-949.08	9,495.78	9,492.92	0.00	0.00	0.00
19,100.00	90.00	89.83	10,175.00	-948.79	9,595.78	9,592.92	0.00	0.00	0.00
19,200.00	90.00	89.83	10,175.00	-948.49	9,695.78	9,692.92	0.00	0.00	0.00
19,300.00	90.00	89.83	10,175.00	-948.19	9,795.78	9,792.92	0.00	0.00	0.00



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM #306H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3713.24usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3713.24usft
Site:	Bond South Pad - Phase 2	North Reference:	Grid
Well:	(01) Bond 33-34 FED COM #306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#306H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,400.00	90.00	89.83	10,175.00	-947.89	9,895.78	9,892.92	0.00	0.00	0.00	
19,500.00	90.00	89.83	10,175.00	-947.59	9,995.78	9,992.92	0.00	0.00	0.00	
19,600.00	90.00	89.83	10,175.00	-947.30	10,095.78	10,092.92	0.00	0.00	0.00	
19,700.00	90.00	89.83	10,175.00	-947.00	10,195.78	10,192.92	0.00	0.00	0.00	
19,800.00	90.00	89.83	10,175.00	-946.70	10,295.78	10,292.92	0.00	0.00	0.00	
19,900.00	90.00	89.83	10,175.00	-946.40	10,395.78	10,392.92	0.00	0.00	0.00	
20,000.00	90.00	89.83	10,175.00	-946.10	10,495.78	10,492.92	0.00	0.00	0.00	
20,100.00	90.00	89.83	10,175.00	-945.80	10,595.78	10,592.92	0.00	0.00	0.00	
20,200.00	90.00	89.83	10,175.00	-945.51	10,695.78	10,692.92	0.00	0.00	0.00	
20,300.00	90.00	89.83	10,175.00	-945.21	10,795.78	10,792.92	0.00	0.00	0.00	
20,400.00	90.00	89.83	10,175.00	-944.91	10,895.78	10,892.92	0.00	0.00	0.00	
20,500.00	90.00	89.83	10,175.00	-944.61	10,995.78	10,992.92	0.00	0.00	0.00	
20,600.00	90.00	89.83	10,175.00	-944.31	11,095.78	11,092.92	0.00	0.00	0.00	
20,700.00	90.00	89.83	10,175.00	-944.02	11,195.77	11,192.92	0.00	0.00	0.00	
20,800.00	90.00	89.83	10,175.00	-943.72	11,295.77	11,292.92	0.00	0.00	0.00	
20,900.00	90.00	89.83	10,175.00	-943.42	11,395.77	11,392.92	0.00	0.00	0.00	
21,000.00	90.00	89.83	10,175.00	-943.12	11,495.77	11,492.92	0.00	0.00	0.00	
21,100.00	90.00	89.83	10,175.00	-942.82	11,595.77	11,592.92	0.00	0.00	0.00	
21,198.07	90.00	89.83	10,175.00	-942.53	11,693.84	11,690.99	0.00	0.00	0.00	
TD at 21198.07										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LTP - (01) Bond 33-34 F - hit/miss target - Shape - Point	0.00	0.00	10,175.00	-942.70	11,643.84	618,014.30	722,051.95	32.69758807	-103.74587409
- plan misses target center by 48.07usft at 21100.00usft MD (10175.00 TVD, -942.82 N, 11595.77 E)									
FTP/PP - (01) Bond 33-34 - plan hits target center - Point	0.00	0.00	10,175.00	-973.58	1,280.70	617,983.42	711,688.81	32.69765644	-103.77956129
PBHL - (01) Bond 33-34 - plan hits target center - Point	0.00	0.00	10,175.00	-942.53	11,693.84	618,014.47	722,101.95	32.69758778	-103.74571155

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.00	2,000.00	0.00	0.00	Start Build 2.00	
2,710.95	2,703.68	-76.20	43.55	Start 3860.93 hold at 2710.95 MD	
6,571.88	6,446.32	-899.54	514.19	Start Drop -2.00	
7,282.84	7,150.00	-975.74	557.74	Start 2452.04 hold at 7282.84 MD	
9,734.88	9,602.04	-975.74	557.74	Start Build 10.00	
10,634.88	10,175.00	-974.03	1,130.70	Start 10563.19 hold at 10634.88 MD	
21,198.07	10,175.00	-942.53	11,693.84	TD at 21198.07	

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 544836

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 544836
	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 544836

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 544836
	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