

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. NOI Change to 201H Attached
3a. Address	3b. Phone No. (include area code)	9. API Well No. 30-025-55688
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		10. Field and Pool, or Exploratory
14. Distance in miles and direction from nearest town or post office*		11. Sec., T. R. M. or Blk. and Survey or Area
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)		12. County or Parish
16. No of acres in lease		13. State
17. Spacing Unit dedicated to this well		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.		
19. Proposed Depth		
20. BLM/BIA Bond No. in file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		
22. Approximate date work will start*		23. Estimated duration
24. Attachments		
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)		
1. Well plat certified by a registered surveyor.		4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
2. A Drilling Plan.		5. Operator certification.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).		6. Such other site specific information and/or plans as may be requested by the BLM.
25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title		
Office		
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

(Continued on page 2)

*(Instructions on page 2)



INSTRUCTIONS

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

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

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

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

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

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

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

NOTICES

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

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

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

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

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

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

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

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

Additional Operator Remarks

Location of Well

0. SHL: SENW / 1726 FNL / 2465 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.706538 / LONG: -103.789056 (TVD: 0 feet, MD: 0 feet)
PPP: NWNE / 330 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.710373 / LONG: -103.788145 (TVD: 7795 feet, MD: 8123 feet)
PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103555 / LONG: -103.7798872 (TVD: 7820 feet, MD: 10648 feet)
PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7103219 / LONG: -103.7627423 (TVD: 7820 feet, MD: 15921 feet)
PPP: NWNE / 330 FNL / 2637 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.710339 / LONG: -103.7713143 (TVD: 7820 feet, MD: 13284 feet)
BHL: NENE / 330 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.710286 / LONG: -103.745598 (TVD: 7820 feet, MD: 21194 feet)

BLM Point of Contact

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

CONFIDENTIAL

**PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL**

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

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

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

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

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

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

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

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

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

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

Type text here

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

C. PRESSURE CONTROL

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

Option 1:

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

Option 2:

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

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

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

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

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

GENERAL REQUIREMENTS

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

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

☒ Lea County

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

Long Vo (LVO) 4/11/2025



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

Operator Certification Data Report

11/30/2025

Operator

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

NAME: MIKAH THOMAS

Signed on: 04/03/2025

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND

State: TX

Zip: 79701

Phone: (432)661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



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

Application Data

11/30/2025

APD ID: 10400103708

Submission Date: 03/17/2025

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 001H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400103708

Tie to previous NOS? N

Submission Date: 03/17/2025

BLM Office: Carlsbad

User: MIKAH THOMAS

Title: Regulatory Manager

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM18232

Lease Acres:

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? Y

Permitting Agent? NO

APD Operator: PBEX OPERATIONS LLC

Operator letter of

Operator Info

Operator Organization Name: PBEX OPERATIONS LLC

Operator Address: 223 WEST WALL STREET STE 900

Zip: 79701

Operator PO Box:

Operator City: MIDLAND

State: TX

Operator Phone: (432)661-7106

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: BOND 32-34 FED COM

Well Number: 001H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: LUSK

Pool Name: BONE SPRING,
NORTH

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 001H**Is the proposed well in an area containing other mineral resources?** NATURAL GAS,OIL**Is the proposed well in a Helium production area?** N**Use Existing Well Pad?** N**New surface disturbance?****Type of Well Pad:** MULTIPLE WELL**Multiple Well Pad Name:** BOND 32-34 FED COM NORTH**Number:** 1**Well Class:** HORIZONTAL**Number of Legs:** 1**Well Work Type:** Drill**Well Type:** OIL WELL**Describe Well Type:****Well sub-Type:** INFILL**Describe sub-type:****Distance to town:** 10 Miles**Distance to nearest well:** 863 FT**Distance to lease line:** 1726 FT**Reservoir well spacing assigned acres Measurement:** 800 Acres**Well plat:** 24_041778_BOND_FED_COM_001H_C102_20250403074010.pdf

24_041778_BOND_FED_COM_001H_C102_Add_Pool_20250403074013.pdf

Well work start Date: 08/01/2025**Duration:** 90 DAYS**Section 3 - Well Location Table****Survey Type:** RECTANGULAR**Describe Survey Type:****Datum:** NAD83**Vertical Datum:** NAVD88**Survey number:** 29796**Reference Datum:** KELLY BUSHING

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	1726	FNL	2465	FWL	18S	32E	32	Aliquot SENW	32.706538	-103.789056	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	3695			Y
KOP Leg #1	1726	FNL	2465	FWL	18S	32E	32	Aliquot SENW	32.706538	-103.789056	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	-3552	7394	7247	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 001H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-1	330	FNL	2540	FEL	18S	32E	32	Aliquot NWNE	32.710373	- 103.788145	LEA	NEW MEXICO	NEW MEXICO	S	STATE	- 4100	8123	7795	Y
PPP Leg #1-2	330	FNL	0	FWL	18S	32E	33	Aliquot NWNW	32.710355	- 103.7798872	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18232	- 4125	10648	7820	Y
PPP Leg #1-3	330	FNL	2637	FEL	18S	32E	33	Aliquot NWNE	32.710339	- 103.7713143	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 0556094	- 4125	13284	7820	Y
PPP Leg #1-4	330	FNL	0	FWL	18S	32E	34	Aliquot NWNW	32.7103219	- 103.7627423	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4125	15921	7820	Y
EXIT Leg #1	330	FNL	100	FEL	18S	32E	34	Aliquot NENE	32.710287	- 103.74589	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4125	21104	7820	Y
BHL Leg #1	330	FNL	10	FEL	18S	32E	34	Aliquot NENE	32.710286	- 103.745598	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4125	21194	7820	Y

Please refer to amended C-102 and plat at end of document

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

WELL LOCATION INFORMATION

API Number	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code	Property Name BOND 32-34 FED COM	Well Number 001H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,694.53'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 10' FEL	Latitude 32.710286°	Longitude -103.745598°	County LEA
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Dedicated Acres 800	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

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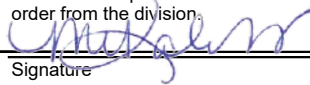
First Take Point (FTP)

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 100' FEL	Latitude 32.710287°	Longitude -103.745890°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3694.53
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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 02/01/2025 Date Mikah Thomas Printed Name mikah@pbex.com Email Address		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  NICHOLAS COLE PHIPPS P.S. 29796 COOSA CONSULTING CORPORATION PO BOX 1583, MIDLAND, TEXAS 79701 Signature and Seal of Professional Surveyor  Certificate Number 29796 Date of Survey 11/14/2024	
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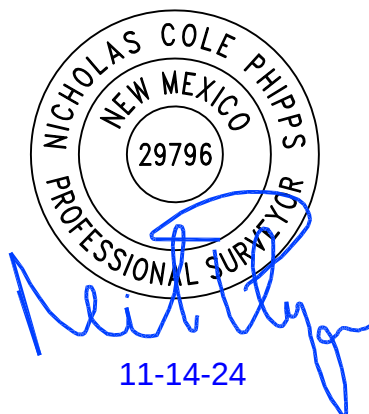
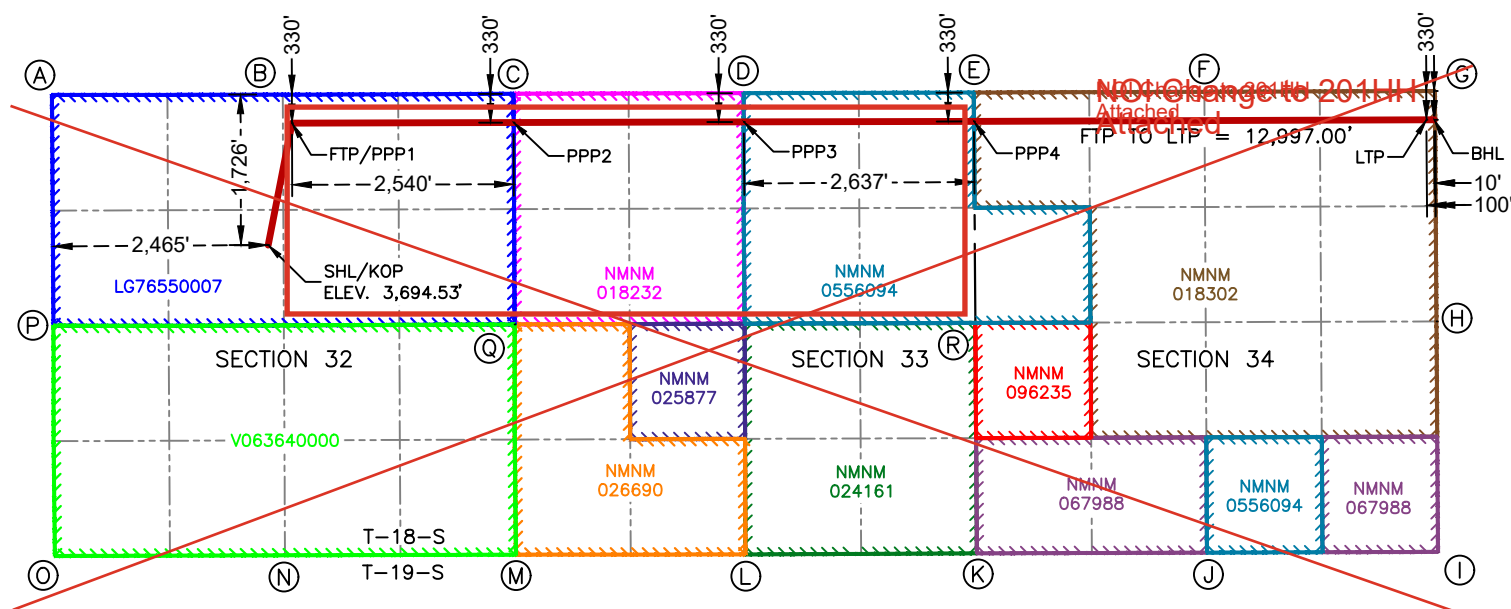
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

Please refer to amended C-102 and plat at end of document



SURFACE HOLE LOCATION
& KICK-OFF POINT
1,726' FNL & 2,465' FWL
ELEV. = 3,694.53'

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

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

NAD 83 X = 709,024.46'
NAD 83 Y = 622,596.23'
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PENETRATION POINT 2
330' FNL & 0' FWL

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

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

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

PENETRATION POINT 4
330' FNL & 0' FWL

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

LAST TAKE POINT
330' FNL & 100' FEL

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

BOTTOM HOLE LOCATION
330' FNL & 10' FEL

NAD 83 X = 722,111.40'
NAD 83 Y = 622,634.53'
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CORNER COORDINATES NEW MEXICO EAST - NAD 83

A	N:622,919.18' E:706,274.71'
B	N:622,925.94' E:708,919.07'
C	N:622,933.11' E:711,562.90'
D	N:622,939.79' E:714,200.05'
E	N:622,946.74' E:716,835.71'
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O	N:617,637.10' E:706,308.57'
P	N:620,268.56' E:706,292.10'
Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'

Please refer to amended C-102 and plat at end of document

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

WELL LOCATION INFORMATION

API Number	Pool Code 50600	Pool Name QUERECHO PLAINS; UPPER BS
Property Code	Property Name BOND 32-34 FED COM	Well Number 001H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,694.53'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,465' FWL	Latitude 32.706538°	Longitude -103.789056°	County LEA
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UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 10' FEL	Latitude 32.710286°	Longitude -103.745598°	County LEA
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Dedicated Acres 800	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,465' FWL	Latitude 32.706538°	Longitude -103.789056°	County LEA
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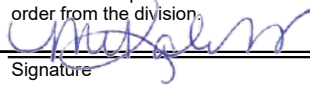
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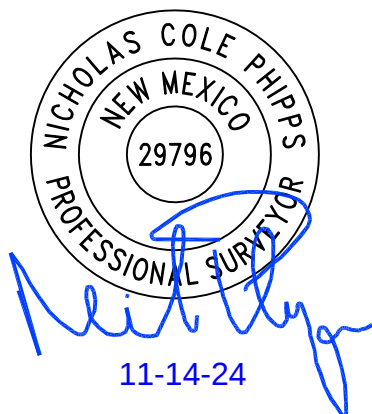
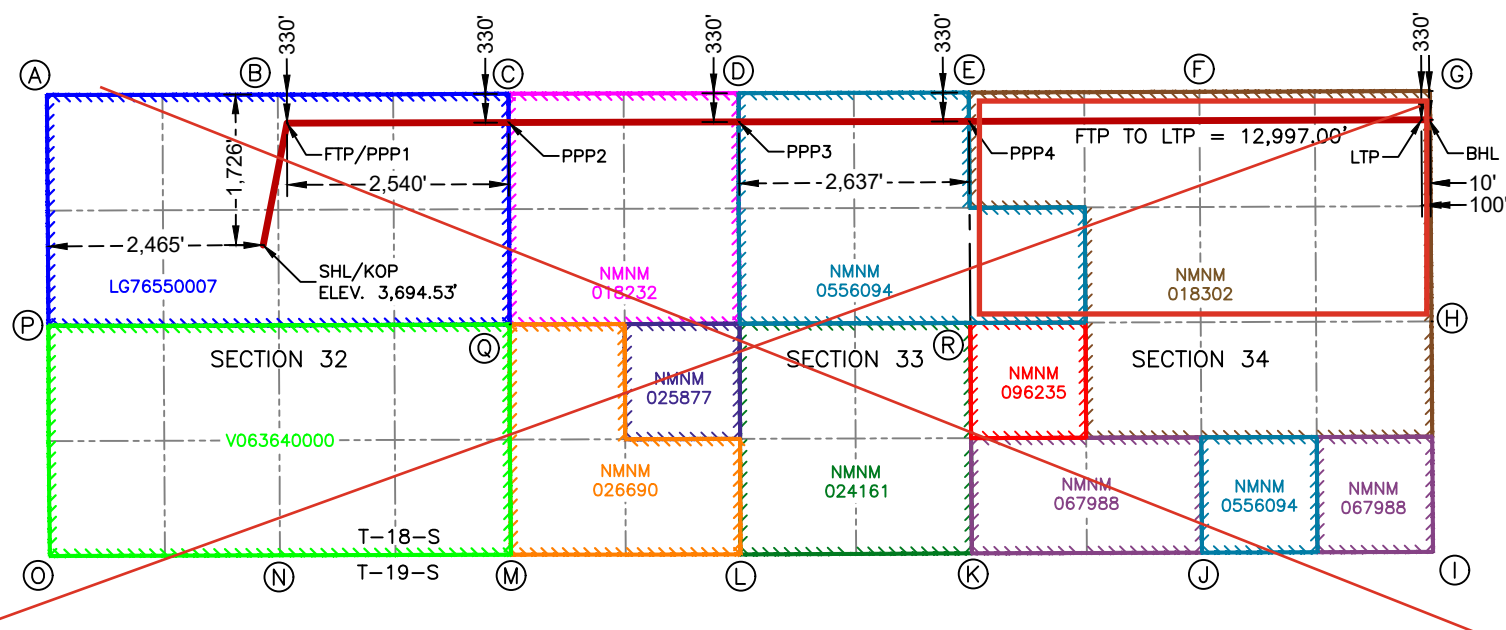
Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3694.53
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U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report

11/30/2025

APD ID: 10400103708

Submission Date: 03/17/2025

Highlighted data
reflects the most
recent changes

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 001H

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
16446665	QUATERNARY	3695	0	0	ALLUVIUM	NONE	N
16446667	RUSTLER	2545	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16446668	TOP OF SALT	2265	1430	1430	ANHYDRITE, SALT	NONE	N
16446669	BASE OF SALT	1520	2175	2185	ANHYDRITE, SALT	NONE	N
16446684	YATES	823	2872	2872	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446685	SEVEN RIVERS	500	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446686	QUEEN	-80	3775	3805	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446688	SAN ANDRES	-570	4265	4295	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446673	CHERRY CANYON	-920	4615	4655	LIMESTONE, SANDSTONE, SHALE	NONE	N
16446674	BRUSHY CANYON	-1350	5045	5085	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446675	BONE SPRING LIME	-3274	6969	6999	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446676	AVALON SAND	-3495	7190	7230	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16446689	BONE SPRING 1ST	-4625	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446690	BONE SPRING 2ND	-4930	8625	8685	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446691	BONE SPRING 2ND	-5195	8890	8950	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446692	BONE SPRING 3RD	-5735	9430	9500	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446693	BONE SPRING 3RD	-6140	9835	9915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 001H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16446694	WOLFCAMP	-6490	10185	10275	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 5000

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

Requesting Variance? YES

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

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

Choke Diagram Attachment:

5M_Choke_EGL_20241218135422.pdf

BOP Diagram Attachment:

5M_BOP_EGL_20241218135409.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1310	0	1310	3695	2385	1310	J-55	54.5	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4000	0	3970	3643	-275	4000	J-55	40	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6
3	INTERMEDIATE	12.25	9.625	NEW	API	N	4000	4535	3970	4505	-160	-810	535	HCL-80	40	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 001H

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
4	PRODUCTI ON	8.75	5.5	NEW	API	N	0	21194	0	7820	3643	-4125	21194	P- 110	17	OTHER - CDC HTQ	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- 13.375_54.5000_0.3800_J55_data_sheet_20250224102431.pdf
- Casing_Design_Assmpt_3_string_casing_20250224102434.pdf

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- Data_Sheet_9.625_Inch_40.00__J55_BTC_SEAH_20250224102517.pdf
- Casing_Design_Assmpt_3_string_casing_20250224102520.pdf

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 001H

Casing Attachments

Casing ID: 3

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Design_Assmpt_3_string_casing_20241218135530.pdf

9.625in_40.00lb_ft_L80_HC_BORUSAN_20250224115542.pdf

Casing ID: 4

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.5in_P110_EC_Casing_Spec_20250224102610.pdf

Casing_Design_Assmpt_3_string_casing_20250224102629.pdf

Section 4 - Cement

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

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 001H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		3785	4535	240	1.33	13.2	319.2	100	C or H	Fluid Loss, Retarder, LCM
PRODUCTION	Lead		4035	7820	275	4.3	10.5	1184.4	20	H	Fluid Loss, Retarder, LCM
PRODUCTION	Tail		7820	21194	24914	1.68	13	4184.6	20	H	Fluid Loss, Retarder, LCM

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

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

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1310	SPUD MUD	8.3	8.3							
1310	4535	SALT SATURATED	10.2	10.2							
4535	21194	OIL-BASED MUD	9.7	9.7							

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 001H

Section 6 - Test, Logging, Coring

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

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

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

GAMMA RAY LOG,

Coring operation description for the well:

No core or drill stem test is planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5083

Anticipated Surface Pressure: 3362

Anticipated Bottom Hole Temperature(F): 215

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

PBEX_Operations_LLC_H2S_Contengency_Plan_20241229103612.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Bond_32_34_Fed_Com_001H_Plan_1_20250224105818.pdf

Bond_32_34_Fed_Com_001H_Plan_1_AC_20250224105822.pdf

Bond_32_34_Fed_Com_001H_Plan_1_Plot_20250224105825.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Choke_Kill_Line_Certs_20240221201455.pdf

PBEX_NM_Curve_volumes_Mid_Avalon_20241229113444.pdf

PBEX_Operations__LLC_NGMP_Best_Practices_20250212141054.pdf

Wellhead_Schematic_9.625_10M_3T_20250212135648.pdf

NGMP_Bond_32_34_Fed_Com_20250224105901.pdf

Bond_32_34_FED_COM__001H_Drill_Plan_v5_20250227080828.pdf

Other Variance request(s)?: N

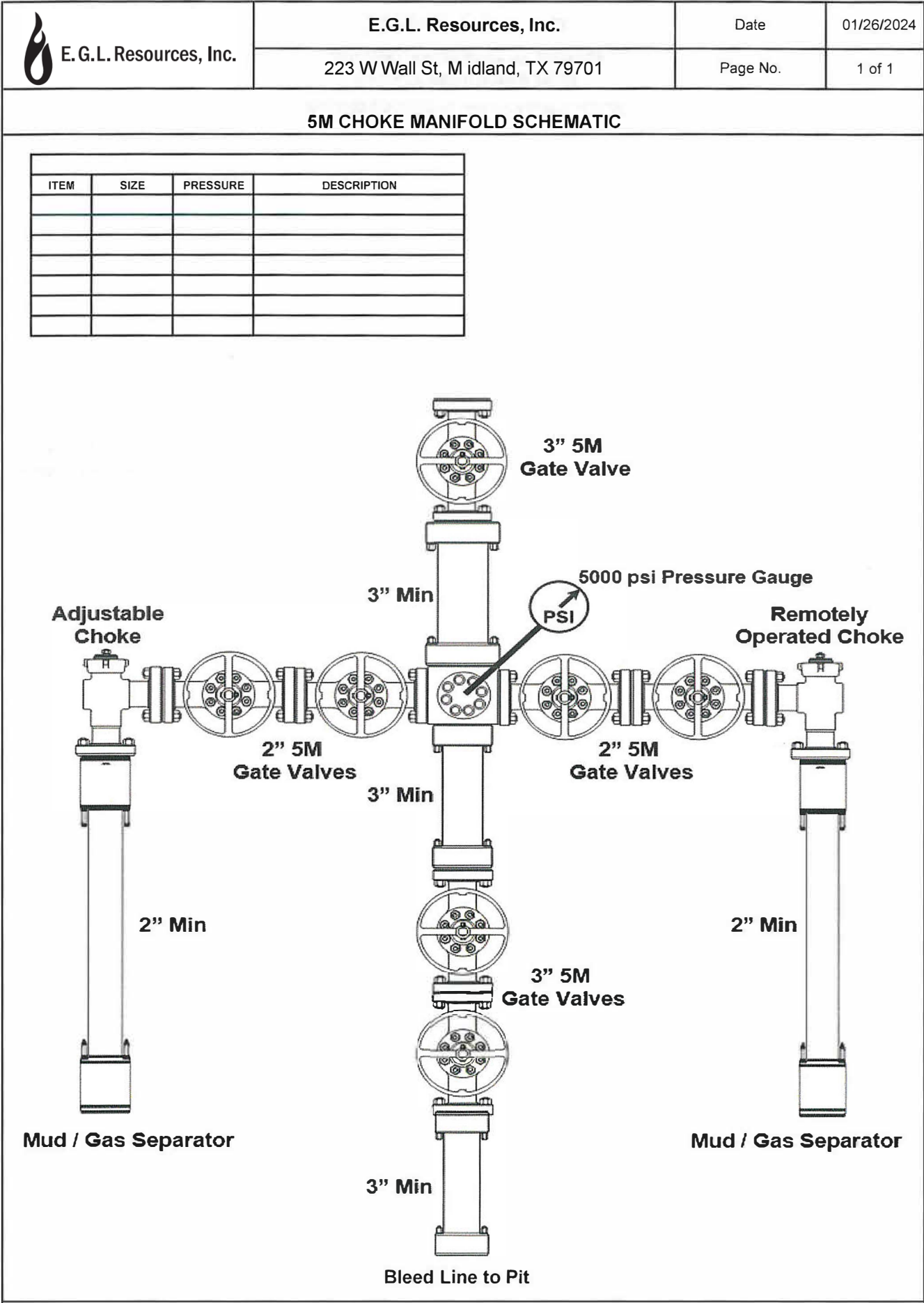
Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 001H

Other Variance attachment:

CONFIDENTIAL





E. G. L. Resources, Inc.

E.G.L. Resources, Inc.

Date

1/26/2024

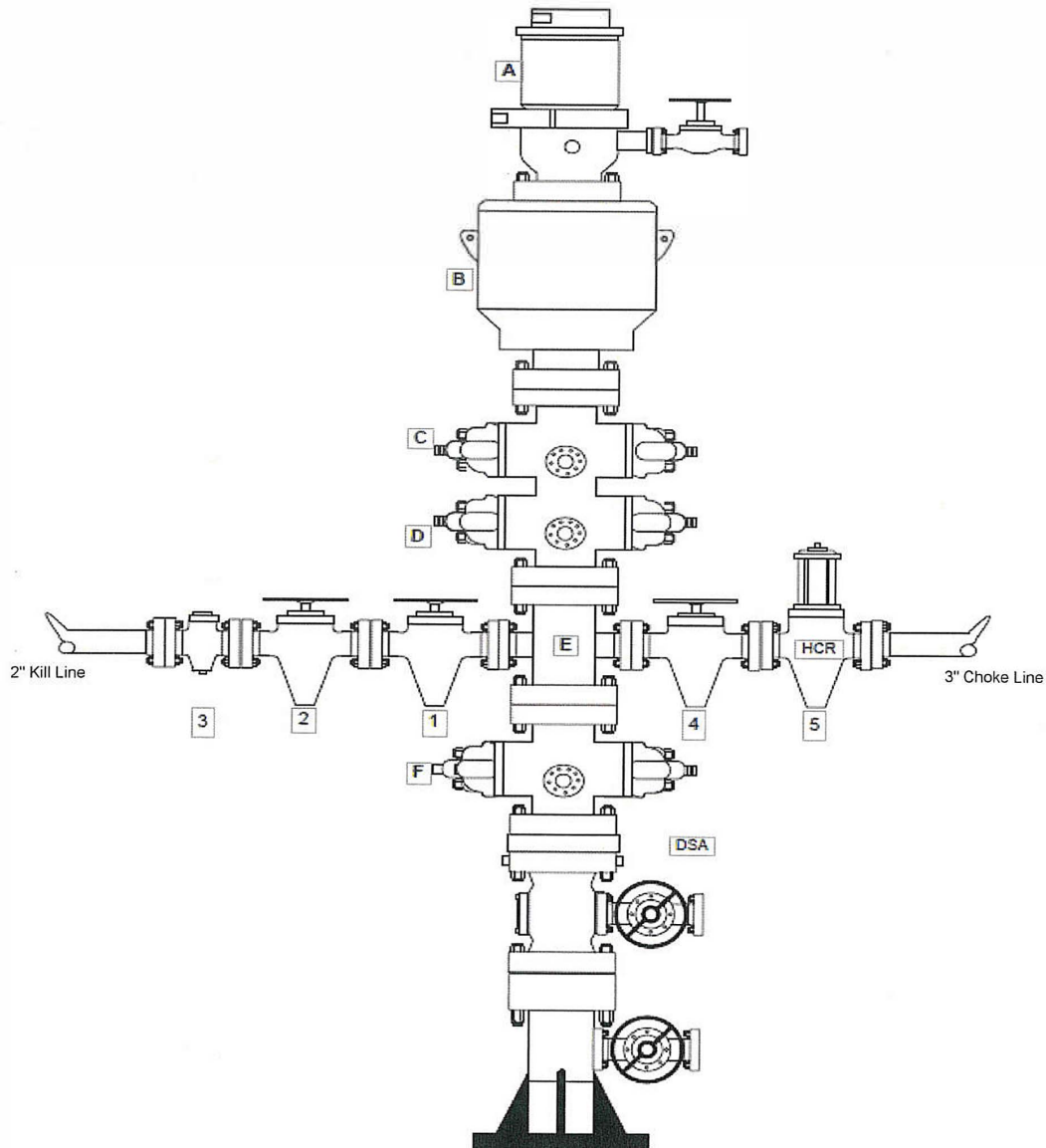
223 W Wall St, Midland, TX 79701

Page No.

1 of 1

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

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

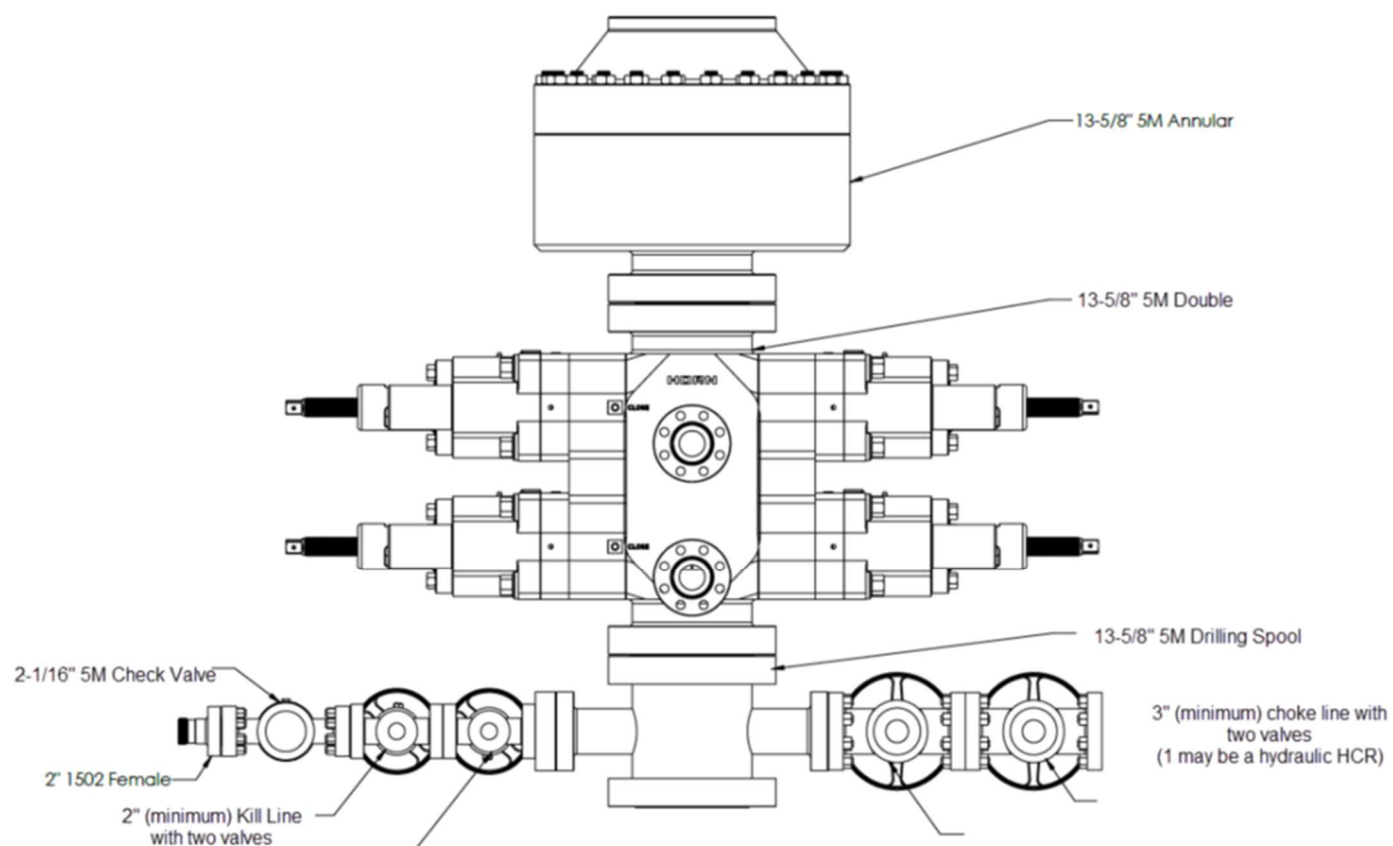
**KILL LINE**

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

CHOKE LINE

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

BOP Diagram 502H



3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

Intermediate Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

Production Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

API 5CT Casing Performance Data Sheet

9 5/8" 40.00 lb/ft L80 HC

Properties are based on the requirements of API 5CT 10th edition and service characteristics of L80 Grade, and bears the API monogram.
Designed for enhanced performance through increased collapse resistance.

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

Sizes and Weights

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

Pipe Body Mechanical Properties

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

Minimum Performance

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

Inspection and Testing

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

Color code

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



U. S. Steel Tubular Products

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

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

UNCONTROLLED

Notes

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460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

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



9.625" 40# .395" J-55

Dimensions (Nominal)

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

Performance Properties

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

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

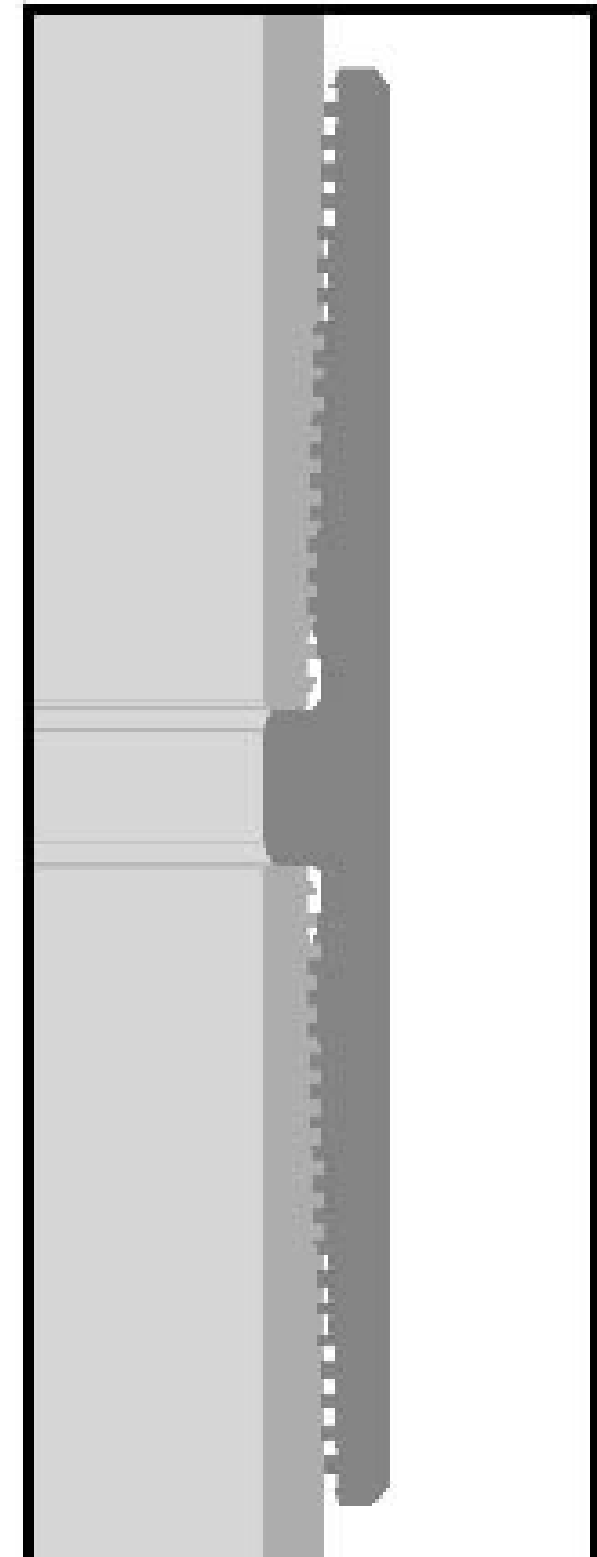
Technical Specifications

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

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



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Houston, TX 77041
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For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

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

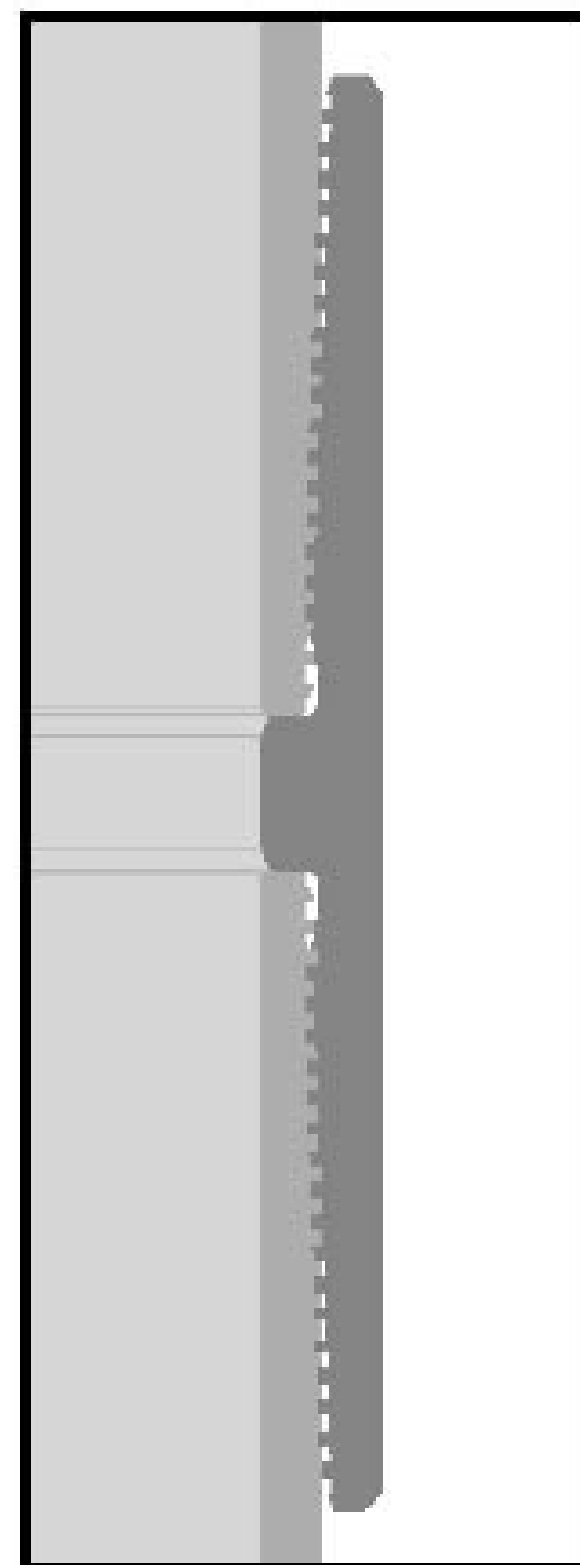
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2/6/2015



DWC Connection Data Notes:

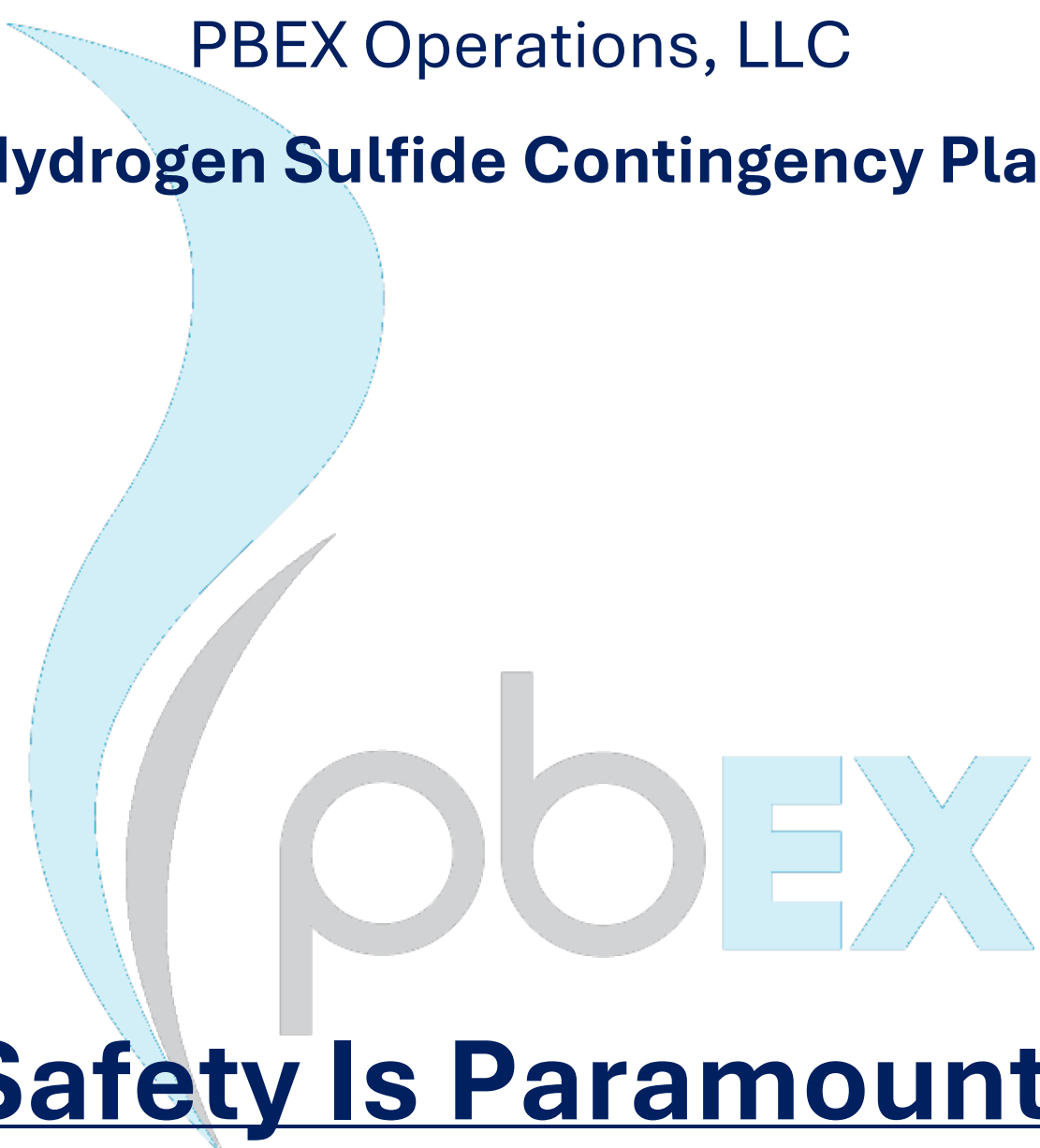
1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection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



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

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2/6/2015



PBEX Operations, LLC

Hydrogen Sulfide Contingency Plan

Safety Is Paramount!

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

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

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1. INTRODUCTION

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

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

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

2. PURPOSE

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

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

In the event there is an accidental H2S release:

- Notify and protect the general public.

- Notify the state and local government agencies.

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

This is a mandatory notification.

A. OPERATING PROCEDURES

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

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

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

GENERAL:

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

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



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

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

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

C. DRILLING BELOW CONTINGENCY PLAN DEPTH

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

NOT Change to 2014-HH
Attached

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

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

D. PROCEDURES PROGRAM

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

E. GENERAL

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



3. EMERGENCY PHONE NUMBERS

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

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

Emergency Call Guidance

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

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



4. CONDITIONS AND EMERGENCY PROCEDURES

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

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

A. Definition of Operational “Conditions”

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

B. H2S Emergency Procedures- On-Site Personnel

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

Do Not Panic!

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

1. Responsibilities of Well-Site Personnel

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

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

a. Well-Site Representatives

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

b. On-Site Supervisor

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

c. H2S Safety Company Representative

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



5. SAFETY EQUIPMENT

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

6. TOXICITY OF VARIOUS GASES

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

1 Air = 1.0

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

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

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

7. PROPERTIES OF GASES

1. CARBON DIOXIDE

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

2. HYDROGEN SULFIDE

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



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

3. SULPHUR DIOXIDE

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

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

8. EVACUATION OF THE GENERAL PUBLIC

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

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

Please refer to revised directional plan in attached C-103 NOI



PBEX

Lea, County NM (NAD 83)
Sec 33-18S-32E
Bond 32-34 Fed Com 001H

Wellbore #1

Plan: Plan 1

Standard Planning Report

23 January, 2025





Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 001H
Company:	PBEX	TVD Reference:	GL 3695' + KB 30' @ 3725.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3695' + KB 30' @ 3725.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 001H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Project	Lea, County NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 33-18S-32E				
Site Position:		Northing:	620,912.64 usft	Latitude:	32.70570655
From:	Map	Easting:	711,762.40 usft	Longitude:	-103.77927233
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Bond 32-34 Fed Com 001H					
Well Position	+N/-S	0.00 usft	Northing:	621,199.62 usft	Latitude:	32.70653820
	+E/-W	0.00 usft	Easting:	708,751.47 usft	Longitude:	-103.78905586
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,725.00 usft	Ground Level:	3,695.00 usft
Grid Convergence:		0.29 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM CURRENT	1/23/2025	6.58	60.40	47,436.40000000

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

Plan Survey Tool Program	Date	1/21/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	21,194.11	Plan 1 (Wellbore #1)	MWD+IFR1+MS	
				OWSG MWD + IFR1 + Multi-St	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 001H
Company:	PBEX	TVD Reference:	GL 3695' + KB 30' @ 3725.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3695' + KB 30' @ 3725.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 001H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,213.93	14.28	355.33	2,206.56	88.21	-7.20	2.00	2.00	0.00	355.33	
6,479.62	14.28	355.33	6,340.48	1,136.79	-92.80	0.00	0.00	0.00	0.00	
7,193.55	0.00	0.00	7,047.04	1,225.00	-100.00	2.00	-2.00	0.00	180.00	
7,393.55	0.00	0.00	7,247.04	1,225.00	-100.00	0.00	0.00	0.00	0.00	
8,293.55	90.00	80.00	7,820.00	1,324.49	464.25	10.00	10.00	0.00	80.00	
8,468.55	90.00	80.00	7,820.00	1,354.88	636.59	0.00	0.00	0.00	0.00	
8,960.01	90.00	89.83	7,820.00	1,398.39	1,125.52	2.00	0.00	2.00	90.00	
21,104.47	90.00	89.83	7,820.00	1,434.60	13,269.93	0.00	0.00	0.00	0.00	
21,194.47	90.00	89.83	7,820.00	1,434.87	13,359.93	0.00	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 001H
Company:	PBEX	TVD Reference:	GL 3695' + KB 30' @ 3725.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3695' + KB 30' @ 3725.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 001H	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	355.33	1,599.98	1.74	-0.14	-0.14	2.00	2.00	0.00
1,700.00	4.00	355.33	1,699.84	6.96	-0.57	-0.57	2.00	2.00	0.00
1,800.00	6.00	355.33	1,799.45	15.64	-1.28	-1.28	2.00	2.00	0.00
1,900.00	8.00	355.33	1,898.70	27.79	-2.27	-2.27	2.00	2.00	0.00
2,000.00	10.00	355.33	1,997.47	43.38	-3.54	-3.54	2.00	2.00	0.00
2,100.00	12.00	355.33	2,095.62	62.39	-5.09	-5.09	2.00	2.00	0.00
2,200.00	14.00	355.33	2,193.06	84.81	-6.92	-6.92	2.00	2.00	0.00
2,213.93	14.28	355.33	2,206.56	88.21	-7.20	-7.20	2.00	2.00	0.00
Start 4265.69 hold at 2213.93 MD									
2,300.00	14.28	355.33	2,289.97	109.36	-8.93	-8.93	0.00	0.00	0.00
2,400.00	14.28	355.33	2,386.89	133.95	-10.93	-10.93	0.00	0.00	0.00
2,500.00	14.28	355.33	2,483.80	158.53	-12.94	-12.94	0.00	0.00	0.00
2,600.00	14.28	355.33	2,580.71	183.11	-14.95	-14.95	0.00	0.00	0.00
2,700.00	14.28	355.33	2,677.62	207.69	-16.95	-16.95	0.00	0.00	0.00
2,800.00	14.28	355.33	2,774.53	232.27	-18.96	-18.96	0.00	0.00	0.00
2,900.00	14.28	355.33	2,871.44	256.86	-20.97	-20.97	0.00	0.00	0.00
3,000.00	14.28	355.33	2,968.35	281.44	-22.97	-22.97	0.00	0.00	0.00
3,100.00	14.28	355.33	3,065.26	306.02	-24.98	-24.98	0.00	0.00	0.00
3,200.00	14.28	355.33	3,162.17	330.60	-26.99	-26.99	0.00	0.00	0.00
3,300.00	14.28	355.33	3,259.08	355.18	-28.99	-28.99	0.00	0.00	0.00
3,400.00	14.28	355.33	3,355.99	379.76	-31.00	-31.00	0.00	0.00	0.00
3,500.00	14.28	355.33	3,452.90	404.35	-33.01	-33.01	0.00	0.00	0.00
3,600.00	14.28	355.33	3,549.81	428.93	-35.01	-35.01	0.00	0.00	0.00
3,700.00	14.28	355.33	3,646.73	453.51	-37.02	-37.02	0.00	0.00	0.00
3,800.00	14.28	355.33	3,743.64	478.09	-39.03	-39.03	0.00	0.00	0.00
3,900.00	14.28	355.33	3,840.55	502.67	-41.03	-41.03	0.00	0.00	0.00
4,000.00	14.28	355.33	3,937.46	527.26	-43.04	-43.04	0.00	0.00	0.00
4,100.00	14.28	355.33	4,034.37	551.84	-45.05	-45.05	0.00	0.00	0.00
4,200.00	14.28	355.33	4,131.28	576.42	-47.05	-47.05	0.00	0.00	0.00
4,300.00	14.28	355.33	4,228.19	601.00	-49.06	-49.06	0.00	0.00	0.00
4,400.00	14.28	355.33	4,325.10	625.58	-51.07	-51.07	0.00	0.00	0.00
4,500.00	14.28	355.33	4,422.01	650.17	-53.07	-53.07	0.00	0.00	0.00
4,600.00	14.28	355.33	4,518.92	674.75	-55.08	-55.08	0.00	0.00	0.00
4,700.00	14.28	355.33	4,615.83	699.33	-57.09	-57.09	0.00	0.00	0.00
4,800.00	14.28	355.33	4,712.74	723.91	-59.09	-59.09	0.00	0.00	0.00
4,900.00	14.28	355.33	4,809.66	748.49	-61.10	-61.10	0.00	0.00	0.00
5,000.00	14.28	355.33	4,906.57	773.08	-63.11	-63.11	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 001H
Company:	PBEX	TVD Reference:	GL 3695' + KB 30' @ 3725.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3695' + KB 30' @ 3725.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 001H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.00	14.28	355.33	5,003.48	797.66	-65.11	-65.11	0.00	0.00	0.00
5,200.00	14.28	355.33	5,100.39	822.24	-67.12	-67.12	0.00	0.00	0.00
5,300.00	14.28	355.33	5,197.30	846.82	-69.13	-69.13	0.00	0.00	0.00
5,400.00	14.28	355.33	5,294.21	871.40	-71.13	-71.13	0.00	0.00	0.00
5,500.00	14.28	355.33	5,391.12	895.98	-73.14	-73.14	0.00	0.00	0.00
5,600.00	14.28	355.33	5,488.03	920.57	-75.15	-75.15	0.00	0.00	0.00
5,700.00	14.28	355.33	5,584.94	945.15	-77.15	-77.15	0.00	0.00	0.00
5,800.00	14.28	355.33	5,681.85	969.73	-79.16	-79.16	0.00	0.00	0.00
5,900.00	14.28	355.33	5,778.76	994.31	-81.17	-81.17	0.00	0.00	0.00
6,000.00	14.28	355.33	5,875.67	1,018.89	-83.18	-83.18	0.00	0.00	0.00
6,100.00	14.28	355.33	5,972.58	1,043.48	-85.18	-85.18	0.00	0.00	0.00
6,200.00	14.28	355.33	6,069.50	1,068.06	-87.19	-87.19	0.00	0.00	0.00
6,300.00	14.28	355.33	6,166.41	1,092.64	-89.20	-89.20	0.00	0.00	0.00
6,400.00	14.28	355.33	6,263.32	1,117.22	-91.20	-91.20	0.00	0.00	0.00
6,479.62	14.28	355.33	6,340.48	1,136.79	-92.80	-92.80	0.00	0.00	0.00
Start Drop -2.00									
6,500.00	13.87	355.33	6,360.25	1,141.73	-93.20	-93.20	2.00	-2.00	0.00
6,600.00	11.87	355.33	6,457.73	1,163.93	-95.02	-95.02	2.00	-2.00	0.00
6,700.00	9.87	355.33	6,555.93	1,182.73	-96.55	-96.55	2.00	-2.00	0.00
6,800.00	7.87	355.33	6,654.73	1,198.10	-97.80	-97.80	2.00	-2.00	0.00
6,900.00	5.87	355.33	6,754.00	1,210.02	-98.78	-98.78	2.00	-2.00	0.00
7,000.00	3.87	355.33	6,853.64	1,218.49	-99.47	-99.47	2.00	-2.00	0.00
7,100.00	1.87	355.33	6,953.51	1,223.48	-99.88	-99.88	2.00	-2.00	0.00
7,193.55	0.00	0.00	7,047.04	1,225.00	-100.00	-100.00	2.00	-2.00	0.00
Start 200.00 hold at 7193.55 MD									
7,200.00	0.00	0.00	7,053.49	1,225.00	-100.00	-100.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,153.49	1,225.00	-100.00	-100.00	0.00	0.00	0.00
7,393.55	0.00	0.00	7,247.04	1,225.00	-100.00	-100.00	0.00	0.00	0.00
Start Build 10.00									
7,400.00	0.65	80.00	7,253.49	1,225.01	-99.96	-99.96	10.00	10.00	0.00
7,450.00	5.65	80.00	7,303.40	1,225.48	-97.26	-97.26	10.00	10.00	0.00
7,500.00	10.65	80.00	7,352.88	1,226.71	-90.29	-90.29	10.00	10.00	0.00
7,550.00	15.65	80.00	7,401.55	1,228.69	-79.09	-79.09	10.00	10.00	0.00
7,600.00	20.65	80.00	7,449.05	1,231.39	-63.77	-63.77	10.00	10.00	0.00
7,650.00	25.65	80.00	7,495.01	1,234.80	-44.42	-44.42	10.00	10.00	0.00
7,700.00	30.65	80.00	7,539.09	1,238.90	-21.20	-21.20	10.00	10.00	0.00
7,750.00	35.65	80.00	7,580.94	1,243.64	5.72	5.72	10.00	10.00	0.00
7,800.00	40.65	80.00	7,620.25	1,249.00	36.12	36.12	10.00	10.00	0.00
7,850.00	45.65	80.00	7,656.72	1,254.94	69.78	69.78	10.00	10.00	0.00
7,900.00	50.65	80.00	7,690.07	1,261.40	106.45	106.45	10.00	10.00	0.00
7,950.00	55.65	80.00	7,720.05	1,268.35	145.83	145.83	10.00	10.00	0.00
8,000.00	60.65	80.00	7,746.43	1,275.72	187.65	187.65	10.00	10.00	0.00
8,050.00	65.65	80.00	7,769.01	1,283.46	231.56	231.56	10.00	10.00	0.00
8,100.00	70.65	80.00	7,787.62	1,291.52	277.25	277.25	10.00	10.00	0.00
8,150.00	75.65	80.00	7,802.11	1,299.83	324.36	324.36	10.00	10.00	0.00
8,200.00	80.65	80.00	7,812.38	1,308.32	372.53	372.53	10.00	10.00	0.00
8,250.00	85.65	80.00	7,818.34	1,316.94	421.41	421.41	10.00	10.00	0.00
8,293.55	90.00	80.00	7,820.00	1,324.49	464.25	464.25	10.00	10.00	0.00
Start 175.00 hold at 8293.55 MD									
8,300.00	90.00	80.00	7,820.00	1,325.61	470.61	470.61	0.00	0.00	0.00
8,400.00	90.00	80.00	7,820.00	1,342.98	569.09	569.09	0.00	0.00	0.00
8,468.55	90.00	80.00	7,820.00	1,354.88	636.59	636.59	0.00	0.00	0.00
Start DLS 2.00 TFO 90.00									



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 001H
Company:	PBEX	TVD Reference:	GL 3695' + KB 30' @ 3725.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3695' + KB 30' @ 3725.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 001H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,500.00	90.00	80.63	7,820.00	1,360.17	667.60	667.60	2.00	0.00	2.00
8,600.00	90.00	82.63	7,820.00	1,374.73	766.53	766.53	2.00	0.00	2.00
8,700.00	90.00	84.63	7,820.00	1,385.83	865.90	865.90	2.00	0.00	2.00
8,800.00	90.00	86.63	7,820.00	1,393.45	965.61	965.61	2.00	0.00	2.00
8,900.00	90.00	88.63	7,820.00	1,397.58	1,065.52	1,065.52	2.00	0.00	2.00
8,960.01	90.00	89.83	7,820.00	1,398.39	1,125.52	1,125.52	2.00	0.00	2.00
Start 12144.47 hold at 8960.01 MD									
9,000.00	90.00	89.83	7,820.00	1,398.51	1,165.51	1,165.51	0.00	0.00	0.00
9,100.00	90.00	89.83	7,820.00	1,398.81	1,265.51	1,265.51	0.00	0.00	0.00
9,200.00	90.00	89.83	7,820.00	1,399.11	1,365.51	1,365.51	0.00	0.00	0.00
9,300.00	90.00	89.83	7,820.00	1,399.41	1,465.51	1,465.51	0.00	0.00	0.00
9,400.00	90.00	89.83	7,820.00	1,399.70	1,565.51	1,565.51	0.00	0.00	0.00
9,500.00	90.00	89.83	7,820.00	1,400.00	1,665.51	1,665.51	0.00	0.00	0.00
9,600.00	90.00	89.83	7,820.00	1,400.30	1,765.51	1,765.51	0.00	0.00	0.00
9,700.00	90.00	89.83	7,820.00	1,400.60	1,865.51	1,865.51	0.00	0.00	0.00
9,800.00	90.00	89.83	7,820.00	1,400.90	1,965.51	1,965.51	0.00	0.00	0.00
9,900.00	90.00	89.83	7,820.00	1,401.19	2,065.51	2,065.51	0.00	0.00	0.00
10,000.00	90.00	89.83	7,820.00	1,401.49	2,165.51	2,165.51	0.00	0.00	0.00
10,100.00	90.00	89.83	7,820.00	1,401.79	2,265.51	2,265.51	0.00	0.00	0.00
10,200.00	90.00	89.83	7,820.00	1,402.09	2,365.50	2,365.50	0.00	0.00	0.00
10,300.00	90.00	89.83	7,820.00	1,402.39	2,465.50	2,465.50	0.00	0.00	0.00
10,400.00	90.00	89.83	7,820.00	1,402.68	2,565.50	2,565.50	0.00	0.00	0.00
10,500.00	90.00	89.83	7,820.00	1,402.98	2,665.50	2,665.50	0.00	0.00	0.00
10,600.00	90.00	89.83	7,820.00	1,403.28	2,765.50	2,765.50	0.00	0.00	0.00
10,700.00	90.00	89.83	7,820.00	1,403.58	2,865.50	2,865.50	0.00	0.00	0.00
10,800.00	90.00	89.83	7,820.00	1,403.88	2,965.50	2,965.50	0.00	0.00	0.00
10,900.00	90.00	89.83	7,820.00	1,404.18	3,065.50	3,065.50	0.00	0.00	0.00
11,000.00	90.00	89.83	7,820.00	1,404.47	3,165.50	3,165.50	0.00	0.00	0.00
11,100.00	90.00	89.83	7,820.00	1,404.77	3,265.50	3,265.50	0.00	0.00	0.00
11,200.00	90.00	89.83	7,820.00	1,405.07	3,365.50	3,365.50	0.00	0.00	0.00
11,300.00	90.00	89.83	7,820.00	1,405.37	3,465.50	3,465.50	0.00	0.00	0.00
11,400.00	90.00	89.83	7,820.00	1,405.67	3,565.50	3,565.50	0.00	0.00	0.00
11,500.00	90.00	89.83	7,820.00	1,405.96	3,665.50	3,665.50	0.00	0.00	0.00
11,600.00	90.00	89.83	7,820.00	1,406.26	3,765.50	3,765.50	0.00	0.00	0.00
11,700.00	90.00	89.83	7,820.00	1,406.56	3,865.50	3,865.50	0.00	0.00	0.00
11,800.00	90.00	89.83	7,820.00	1,406.86	3,965.50	3,965.50	0.00	0.00	0.00
11,900.00	90.00	89.83	7,820.00	1,407.16	4,065.50	4,065.50	0.00	0.00	0.00
12,000.00	90.00	89.83	7,820.00	1,407.46	4,165.50	4,165.50	0.00	0.00	0.00
12,100.00	90.00	89.83	7,820.00	1,407.75	4,265.50	4,265.50	0.00	0.00	0.00
12,200.00	90.00	89.83	7,820.00	1,408.05	4,365.50	4,365.50	0.00	0.00	0.00
12,300.00	90.00	89.83	7,820.00	1,408.35	4,465.50	4,465.50	0.00	0.00	0.00
12,400.00	90.00	89.83	7,820.00	1,408.65	4,565.50	4,565.50	0.00	0.00	0.00
12,500.00	90.00	89.83	7,820.00	1,408.95	4,665.49	4,665.49	0.00	0.00	0.00
12,600.00	90.00	89.83	7,820.00	1,409.24	4,765.49	4,765.49	0.00	0.00	0.00
12,700.00	90.00	89.83	7,820.00	1,409.54	4,865.49	4,865.49	0.00	0.00	0.00
12,800.00	90.00	89.83	7,820.00	1,409.84	4,965.49	4,965.49	0.00	0.00	0.00
12,900.00	90.00	89.83	7,820.00	1,410.14	5,065.49	5,065.49	0.00	0.00	0.00
13,000.00	90.00	89.83	7,820.00	1,410.44	5,165.49	5,165.49	0.00	0.00	0.00
13,100.00	90.00	89.83	7,820.00	1,410.73	5,265.49	5,265.49	0.00	0.00	0.00
13,200.00	90.00	89.83	7,820.00	1,411.03	5,365.49	5,365.49	0.00	0.00	0.00
13,300.00	90.00	89.83	7,820.00	1,411.33	5,465.49	5,465.49	0.00	0.00	0.00
13,400.00	90.00	89.83	7,820.00	1,411.63	5,565.49	5,565.49	0.00	0.00	0.00
13,500.00	90.00	89.83	7,820.00	1,411.93	5,665.49	5,665.49	0.00	0.00	0.00
13,600.00	90.00	89.83	7,820.00	1,412.23	5,765.49	5,765.49	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 001H
Company:	PBEX	TVD Reference:	GL 3695' + KB 30' @ 3725.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3695' + KB 30' @ 3725.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 001H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,700.00	90.00	89.83	7,820.00	1,412.52	5,865.49	5,865.49	0.00	0.00	0.00
13,800.00	90.00	89.83	7,820.00	1,412.82	5,965.49	5,965.49	0.00	0.00	0.00
13,900.00	90.00	89.83	7,820.00	1,413.12	6,065.49	6,065.49	0.00	0.00	0.00
14,000.00	90.00	89.83	7,820.00	1,413.42	6,165.49	6,165.49	0.00	0.00	0.00
14,100.00	90.00	89.83	7,820.00	1,413.72	6,265.49	6,265.49	0.00	0.00	0.00
14,200.00	90.00	89.83	7,820.00	1,414.01	6,365.49	6,365.49	0.00	0.00	0.00
14,300.00	90.00	89.83	7,820.00	1,414.31	6,465.49	6,465.49	0.00	0.00	0.00
14,400.00	90.00	89.83	7,820.00	1,414.61	6,565.49	6,565.49	0.00	0.00	0.00
14,500.00	90.00	89.83	7,820.00	1,414.91	6,665.49	6,665.49	0.00	0.00	0.00
14,600.00	90.00	89.83	7,820.00	1,415.21	6,765.49	6,765.49	0.00	0.00	0.00
14,700.00	90.00	89.83	7,820.00	1,415.51	6,865.49	6,865.49	0.00	0.00	0.00
14,800.00	90.00	89.83	7,820.00	1,415.80	6,965.48	6,965.48	0.00	0.00	0.00
14,900.00	90.00	89.83	7,820.00	1,416.10	7,065.48	7,065.48	0.00	0.00	0.00
15,000.00	90.00	89.83	7,820.00	1,416.40	7,165.48	7,165.48	0.00	0.00	0.00
15,100.00	90.00	89.83	7,820.00	1,416.70	7,265.48	7,265.48	0.00	0.00	0.00
15,200.00	90.00	89.83	7,820.00	1,417.00	7,365.48	7,365.48	0.00	0.00	0.00
15,300.00	90.00	89.83	7,820.00	1,417.29	7,465.48	7,465.48	0.00	0.00	0.00
15,400.00	90.00	89.83	7,820.00	1,417.59	7,565.48	7,565.48	0.00	0.00	0.00
15,500.00	90.00	89.83	7,820.00	1,417.89	7,665.48	7,665.48	0.00	0.00	0.00
15,600.00	90.00	89.83	7,820.00	1,418.19	7,765.48	7,765.48	0.00	0.00	0.00
15,700.00	90.00	89.83	7,820.00	1,418.49	7,865.48	7,865.48	0.00	0.00	0.00
15,800.00	90.00	89.83	7,820.00	1,418.78	7,965.48	7,965.48	0.00	0.00	0.00
15,900.00	90.00	89.83	7,820.00	1,419.08	8,065.48	8,065.48	0.00	0.00	0.00
16,000.00	90.00	89.83	7,820.00	1,419.38	8,165.48	8,165.48	0.00	0.00	0.00
16,100.00	90.00	89.83	7,820.00	1,419.68	8,265.48	8,265.48	0.00	0.00	0.00
16,200.00	90.00	89.83	7,820.00	1,419.98	8,365.48	8,365.48	0.00	0.00	0.00
16,300.00	90.00	89.83	7,820.00	1,420.28	8,465.48	8,465.48	0.00	0.00	0.00
16,400.00	90.00	89.83	7,820.00	1,420.57	8,565.48	8,565.48	0.00	0.00	0.00
16,500.00	90.00	89.83	7,820.00	1,420.87	8,665.48	8,665.48	0.00	0.00	0.00
16,600.00	90.00	89.83	7,820.00	1,421.17	8,765.48	8,765.48	0.00	0.00	0.00
16,700.00	90.00	89.83	7,820.00	1,421.47	8,865.48	8,865.48	0.00	0.00	0.00
16,800.00	90.00	89.83	7,820.00	1,421.77	8,965.48	8,965.48	0.00	0.00	0.00
16,900.00	90.00	89.83	7,820.00	1,422.06	9,065.48	9,065.48	0.00	0.00	0.00
17,000.00	90.00	89.83	7,820.00	1,422.36	9,165.47	9,165.47	0.00	0.00	0.00
17,100.00	90.00	89.83	7,820.00	1,422.66	9,265.47	9,265.47	0.00	0.00	0.00
17,200.00	90.00	89.83	7,820.00	1,422.96	9,365.47	9,365.47	0.00	0.00	0.00
17,300.00	90.00	89.83	7,820.00	1,423.26	9,465.47	9,465.47	0.00	0.00	0.00
17,400.00	90.00	89.83	7,820.00	1,423.56	9,565.47	9,565.47	0.00	0.00	0.00
17,500.00	90.00	89.83	7,820.00	1,423.85	9,665.47	9,665.47	0.00	0.00	0.00
17,600.00	90.00	89.83	7,820.00	1,424.15	9,765.47	9,765.47	0.00	0.00	0.00
17,700.00	90.00	89.83	7,820.00	1,424.45	9,865.47	9,865.47	0.00	0.00	0.00
17,800.00	90.00	89.83	7,820.00	1,424.75	9,965.47	9,965.47	0.00	0.00	0.00
17,900.00	90.00	89.83	7,820.00	1,425.05	10,065.47	10,065.47	0.00	0.00	0.00
18,000.00	90.00	89.83	7,820.00	1,425.34	10,165.47	10,165.47	0.00	0.00	0.00
18,100.00	90.00	89.83	7,820.00	1,425.64	10,265.47	10,265.47	0.00	0.00	0.00
18,200.00	90.00	89.83	7,820.00	1,425.94	10,365.47	10,365.47	0.00	0.00	0.00
18,300.00	90.00	89.83	7,820.00	1,426.24	10,465.47	10,465.47	0.00	0.00	0.00
18,400.00	90.00	89.83	7,820.00	1,426.54	10,565.47	10,565.47	0.00	0.00	0.00
18,500.00	90.00	89.83	7,820.00	1,426.83	10,665.47	10,665.47	0.00	0.00	0.00
18,600.00	90.00	89.83	7,820.00	1,427.13	10,765.47	10,765.47	0.00	0.00	0.00
18,700.00	90.00	89.83	7,820.00	1,427.43	10,865.47	10,865.47	0.00	0.00	0.00
18,800.00	90.00	89.83	7,820.00	1,427.73	10,965.47	10,965.47	0.00	0.00	0.00
18,900.00	90.00	89.83	7,820.00	1,428.03	11,065.47	11,065.47	0.00	0.00	0.00
19,000.00	90.00	89.83	7,820.00	1,428.33	11,165.47	11,165.47	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 001H
Company:	PBEX	TVD Reference:	GL 3695' + KB 30' @ 3725.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3695' + KB 30' @ 3725.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 001H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,100.00	90.00	89.83	7,820.00	1,428.62	11,265.47	11,265.47	0.00	0.00	0.00	
19,200.00	90.00	89.83	7,820.00	1,428.92	11,365.47	11,365.47	0.00	0.00	0.00	
19,300.00	90.00	89.83	7,820.00	1,429.22	11,465.46	11,465.46	0.00	0.00	0.00	
19,400.00	90.00	89.83	7,820.00	1,429.52	11,565.46	11,565.46	0.00	0.00	0.00	
19,500.00	90.00	89.83	7,820.00	1,429.82	11,665.46	11,665.46	0.00	0.00	0.00	
19,600.00	90.00	89.83	7,820.00	1,430.11	11,765.46	11,765.46	0.00	0.00	0.00	
19,700.00	90.00	89.83	7,820.00	1,430.41	11,865.46	11,865.46	0.00	0.00	0.00	
19,800.00	90.00	89.83	7,820.00	1,430.71	11,965.46	11,965.46	0.00	0.00	0.00	
19,900.00	90.00	89.83	7,820.00	1,431.01	12,065.46	12,065.46	0.00	0.00	0.00	
20,000.00	90.00	89.83	7,820.00	1,431.31	12,165.46	12,165.46	0.00	0.00	0.00	
20,100.00	90.00	89.83	7,820.00	1,431.61	12,265.46	12,265.46	0.00	0.00	0.00	
20,200.00	90.00	89.83	7,820.00	1,431.90	12,365.46	12,365.46	0.00	0.00	0.00	
20,300.00	90.00	89.83	7,820.00	1,432.20	12,465.46	12,465.46	0.00	0.00	0.00	
20,400.00	90.00	89.83	7,820.00	1,432.50	12,565.46	12,565.46	0.00	0.00	0.00	
20,500.00	90.00	89.83	7,820.00	1,432.80	12,665.46	12,665.46	0.00	0.00	0.00	
20,600.00	90.00	89.83	7,820.00	1,433.10	12,765.46	12,765.46	0.00	0.00	0.00	
20,700.00	90.00	89.83	7,820.00	1,433.39	12,865.46	12,865.46	0.00	0.00	0.00	
20,800.00	90.00	89.83	7,820.00	1,433.69	12,965.46	12,965.46	0.00	0.00	0.00	
20,900.00	90.00	89.83	7,820.00	1,433.99	13,065.46	13,065.46	0.00	0.00	0.00	
21,000.00	90.00	89.83	7,820.00	1,434.29	13,165.46	13,165.46	0.00	0.00	0.00	
21,104.47	90.00	89.83	7,820.00	1,434.60	13,269.93	13,269.93	0.00	0.00	0.00	
Start 90.00 hold at 21104.47 MD										
21,194.47	90.00	89.83	7,820.00	1,434.87	13,359.93	13,359.93	0.00	0.00	0.00	
TD at 21194.47										



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 001H
Company:	PBEX	TVD Reference:	GL 3695' + KB 30' @ 3725.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GL 3695' + KB 30' @ 3725.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 001H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL - Bond 32-34 001H - plan misses target center by 0.08usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-0.07	-0.04	621,199.55	708,751.42	32.70653800	-103.78905600
KOP - Bond 32-34 001H - plan hits target center - Point	0.00	0.01	7,247.04	1,225.00	-100.00	622,424.62	708,651.47	32.70990661	-103.78936052
PP2 - Bond 32-34 001H - plan misses target center by 0.08usft at 10647.48usft MD (7820.00 TVD, 1403.42 N, 2812.98 E) - Point	0.00	0.00	7,820.00	1,403.50	2,812.98	622,603.12	711,564.45	32.71035579	-103.77988716
FTP - Bond 32-34 001H - plan misses target center by 107.52usft at 8122.85usft MD (7794.76 TVD, 1295.29 N, 298.62 E) - Point	0.00	0.00	7,820.00	1,396.61	272.99	622,596.23	709,024.46	32.71037302	-103.78814503
PP3 - Bond 32-34 001H - plan misses target center by 0.97usft at 13284.37usft MD (7820.00 TVD, 1411.28 N, 5449.86 E) - Point	0.00	0.00	7,820.00	1,410.31	5,449.86	622,609.93	714,201.33	32.71033638	-103.77131431
PP4 - Bond 32-34 001H - plan misses target center by 2.02usft at 15920.99usft MD (7820.00 TVD, 1419.15 N, 8086.47 E) - Point	0.00	0.00	7,820.00	1,417.13	8,086.48	622,616.75	716,837.95	32.71031642	-103.76274231
LTP - Bond 32-34 001H - plan hits target center - Point	0.00	0.00	7,820.00	1,434.60	13,269.93	622,634.22	722,021.40	32.71028663	-103.74589020
BHL - Bond 32-34 001H - plan misses target center by 0.04usft at 21194.47usft MD (7820.00 TVD, 1434.87 N, 13359.93 E) - Point	0.00	0.00	7,820.00	1,434.91	13,359.93	622,634.53	722,111.40	32.71028611	-103.74559760

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
21,460.66		20" Casing	20	24

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.00	1,500.00	0.00	0.00	Start Build 2.00
2,213.93	2,206.56	88.21	-7.20	Start 4265.69 hold at 2213.93 MD
6,479.62	6,340.48	1,136.79	-92.80	Start Drop -2.00
7,193.55	7,047.04	1,225.00	-100.00	Start 200.00 hold at 7193.55 MD
7,393.55	7,247.04	1,225.00	-100.00	Start Build 10.00
8,293.55	7,820.00	1,324.49	464.25	Start 175.00 hold at 8293.55 MD
8,468.55	7,820.00	1,354.88	636.59	Start DLS 2.00 TFO 90.00
8,960.01	7,820.00	1,398.39	1,125.52	Start 12144.47 hold at 8960.01 MD
21,104.47	7,820.00	1,434.60	13,269.93	Start 90.00 hold at 21104.47 MD
21,194.47	7,820.00	1,434.87	13,359.93	TD at 21194.47



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTTY/QR-5.7.1-19B

No: LT2023-052-006

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

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

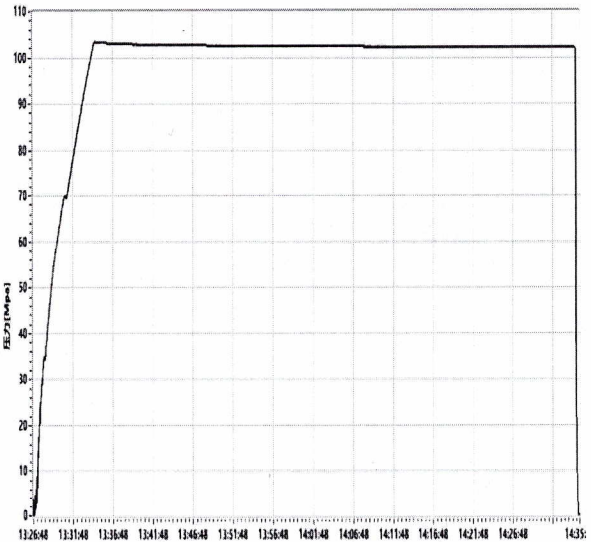
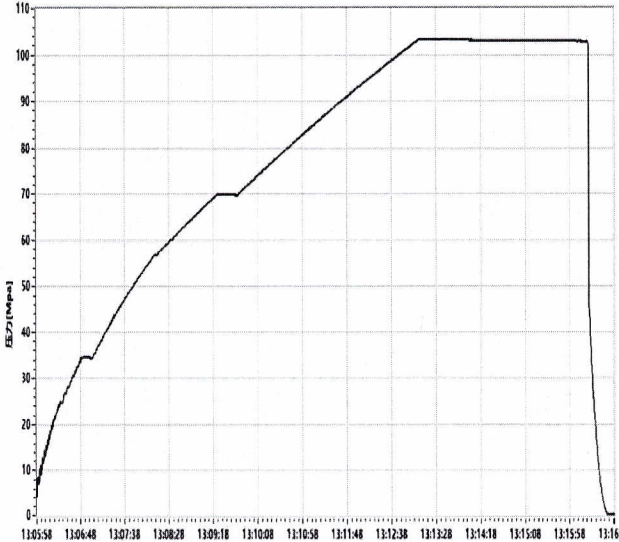


LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESING REPORT

LTTY/QR-5.7.1-28

No: 230422006

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

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

Product Name: Choke And Kill Hose

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

Serial Number: 7660103~7660110

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

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

QC Manager:

Jiaolong Chen

Date:April 22, 2023

NATURAL GAS MANAGEMENT PLAN

PBEX Operations, LLC

VI. Separation Equipment:

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

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

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

2. During Drilling Operations:

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

3. During Completions:

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

4. During Production:

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

NATURAL GAS MANAGEMEN PLAN

PBEX Operations, LLC

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

5. Performance Standards

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

6. Measurement or Estimation of Vented and Flared Natural Gas

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

LSE_NAME	ProdDate	Proj Oil	Proj Gas	Proj NGL	Proj Water
MIDDLE AVALON TIER 1	Month 1	13076	42564	232400	43821
MIDDLE AVALON TIER 1	Month 2	40843	153416	837650	72767
MIDDLE AVALON TIER 1	Month 3	31729	149837	818108	52435
MIDDLE AVALON TIER 1	Month 4	25424	142088	775800	43439
MIDDLE AVALON TIER 1	Month 5	20173	127119	694069	35192
MIDDLE AVALON TIER 1	Month 6	17722	122204	667235	31355
MIDDLE AVALON TIER 1	Month 7	15409	114173	623383	27549
MIDDLE AVALON TIER 1	Month 8	13234	103818	566847	23846
MIDDLE AVALON TIER 1	Month 9	12308	101209	552601	22313
MIDDLE AVALON TIER 1	Month 10	10837	92724	506273	19744
MIDDLE AVALON TIER 1	Month 11	10281	90994	496827	18807
MIDDLE AVALON TIER 1	Month 12	9497	86587	472766	17432
MIDDLE AVALON TIER 1	Month 13	8000	74775	408273	14727
MIDDLE AVALON TIER 1	Month 14	8304	79326	433120	15323
MIDDLE AVALON TIER 1	Month 15	7550	73596	401837	13963
MIDDLE AVALON TIER 1	Month 16	7360	73047	398834	13637
MIDDLE AVALON TIER 1	Month 17	6743	68014	371355	12515
MIDDLE AVALON TIER 1	Month 18	6617	67727	369792	12299
MIDDLE AVALON TIER 1	Month 19	6296	65324	356667	11719
MIDDLE AVALON TIER 1	Month 20	5817	61090	333552	10840
MIDDLE AVALON TIER 1	Month 21	5751	61080	333495	10730
MIDDLE AVALON TIER 1	Month 22	5336	57258	312630	9966
MIDDLE AVALON TIER 1	Month 23	5297	57376	313275	9902
MIDDLE AVALON TIER 1	Month 24	5094	55669	303952	9530
MIDDLE AVALON TIER 1	Month 25	4439	48900	266995	8312
MIDDLE AVALON TIER 1	Month 26	4749	52697	287726	8898
MIDDLE AVALON TIER 1	Month 27	4441	49633	270995	8327
MIDDLE AVALON TIER 1	Month 28	4440	49955	272753	8330
MIDDLE AVALON TIER 1	Month 29	4162	47122	257286	7814
MIDDLE AVALON TIER 1	Month 30	4171	47496	259328	7834
MIDDLE AVALON TIER 1	Month 31	4047	46341	253023	7604
MIDDLE AVALON TIER 1	Month 32	3805	43801	239153	7154
MIDDLE AVALON TIER 1	Month 33	3824	44232	241509	7192
MIDDLE AVALON TIER 1	Month 34	3602	41856	228536	6777
MIDDLE AVALON TIER 1	Month 35	3625	42316	231043	6824
MIDDLE AVALON TIER 1	Month 36	3532	41407	226081	6652
MIDDLE AVALON TIER 1	Month 37	3224	37948	207196	6074
MIDDLE AVALON TIER 1	Month 38	3366	39759	217084	6343

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

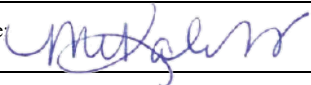
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

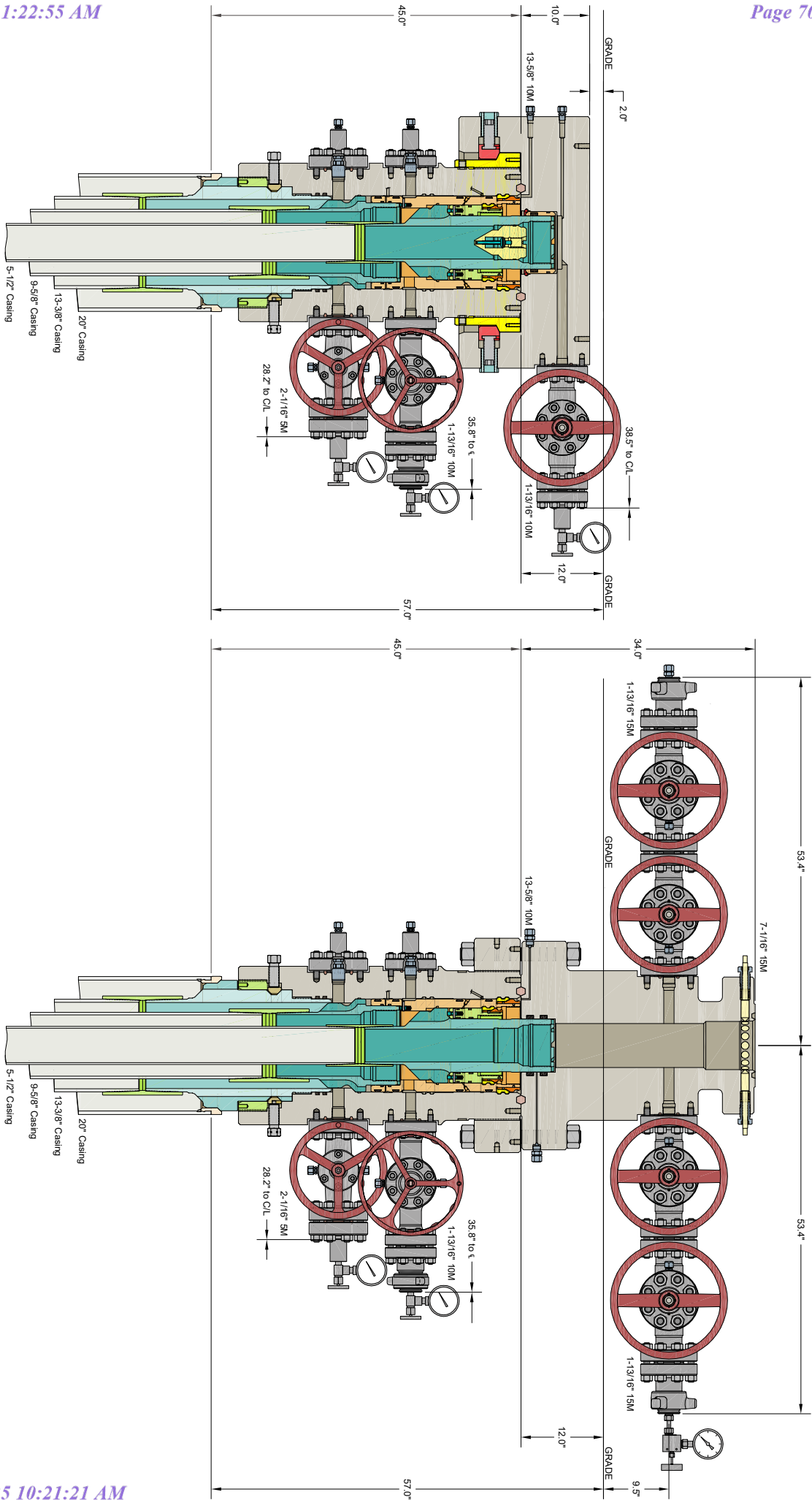
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit 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:



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

FROM HBE1335

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

PBEX OPERATIONS LLC
NEW MEXICO

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

DRAWN	DLE	12FEB25
APPRV		
DRAWING NO.	SDT-5235	

Amended C-102 and Plat

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

WELL LOCATION INFORMATION

API Number 30-025-55688	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #201H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,695.73'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 50' FEL	Latitude 32.710286°	Longitude -103.745728°	County LEA
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Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

BOND 33-34 FED COM 301H- Defining Well**Kick Off Point (KOP)**

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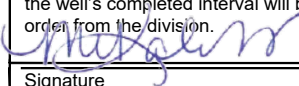
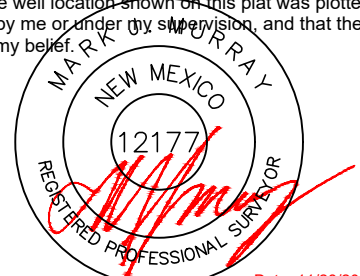
First Take Point (FTP)

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 100' FEL	Latitude 32.710287°	Longitude -103.745890°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,695.73
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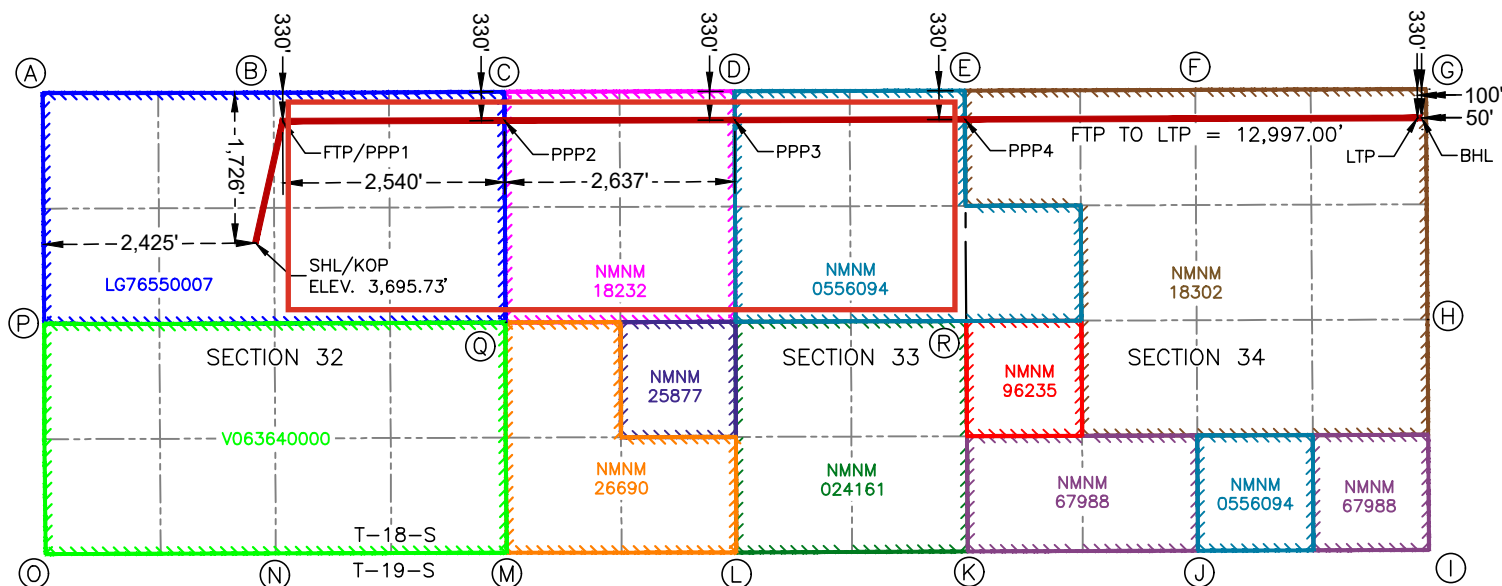
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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 2	

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

ACREAGE DEDICATION PLATS

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

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



BOND 32-34 FED COM #201H

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,425' FWL
ELEV. = 3,695.73'
NAD 83 X = 708,711.47'
NAD 83 Y = 621,199.65'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789186°

**FIRST TAKE POINT &
PENETRATION POINT 1**
330' FNL & 2,540' FEL
NAD 83 X = 709,024.46'
NAD 83 Y = 622,596.23'
NAD 83 LAT = 32.710373°
NAD 83 LONG = -103.788145°

PENETRATION POINT 2
330' FNL & 0' FWL
NAD 83 X = 711,564.45'
NAD 83 Y = 622,603.12'
NAD 83 LAT = 32.710356°
NAD 83 LONG = -103.779887°

PENETRATION POINT 3
330' FNL & 2,637' FWL
NAD 83 X = 714,201.33'
NAD 83 Y = 622,609.79'
NAD 83 LAT = 32.710336°
NAD 83 LONG = -103.771314°

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

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

BOTTOM HOLE LOCATION
330' FNL & 50' FEL
NAD 83 X = 722,071.40'
NAD 83 Y = 622,634.39'
NAD 83 LAT = 32.710286°
NAD 83 LONG = -103.745728°

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

Amended C-102 and Plat

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

WELL LOCATION INFORMATION

API Number 30-025-55688	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #201H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,695.73'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 50' FEL	Latitude 32.710286°	Longitude -103.745728°	County LEA
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Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

BOND 33-34 FED COM 301H- Defining Well

Kick Off Point (KOP)

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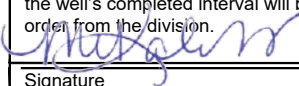
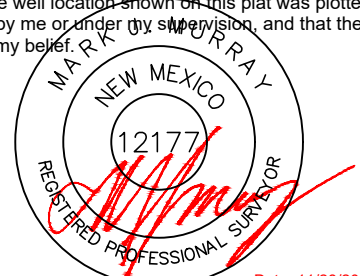
First Take Point (FTP)

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 100' FEL	Latitude 32.710287°	Longitude -103.745890°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,695.73
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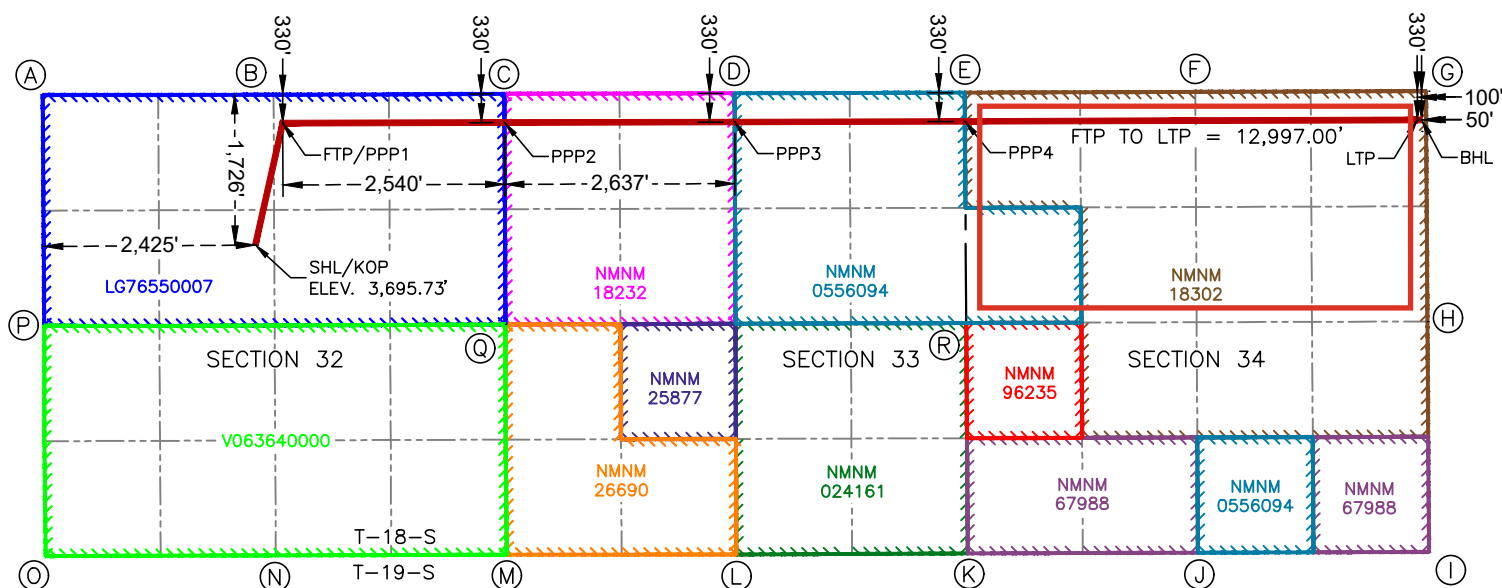
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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 2	

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

ACREAGE DEDICATION PLATS

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

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



BOND 32-34 FED COM #201H

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,425' FWL
ELEV. = 3,695.73'
NAD 83 X = 708,711.47'
NAD 83 Y = 621,199.65'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789186°

**FIRST TAKE POINT &
PENETRATION POINT 1**
330' FNL & 2,540' FEL
NAD 83 X = 709,024.46'
NAD 83 Y = 622,596.23'
NAD 83 LAT = 32.710373°
NAD 83 LONG = -103.788145°

PENETRATION POINT 2
330' FNL & 0' FWL
NAD 83 X = 711,564.45'
NAD 83 Y = 622,603.12'
NAD 83 LAT = 32.710356°
NAD 83 LONG = -103.779887°

PENETRATION POINT 3
330' FNL & 2,637' FWL
NAD 83 X = 714,201.33'
NAD 83 Y = 622,609.79'
NAD 83 LAT = 32.710336°
NAD 83 LONG = -103.771314°

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

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

BOTTOM HOLE LOCATION
330' FNL & 50' FEL
NAD 83 X = 722,071.40'
NAD 83 Y = 622,634.39'
NAD 83 LAT = 32.710286°
NAD 83 LONG = -103.745728°

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

Well Name: BOND 32-34 FED COM	Well Location: T18S / R32E / SEC 32 / SENW / 32.706538 / -103.789056	County or Parish/State: LEA / NM
Well Number: 001H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM18232	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: PBEX OPERATIONS LLC	

Notice of Intent

Sundry ID: 2878892

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/16/2025	Time Sundry Submitted: 11:25
Date proposed operation will begin: 12/08/2025	

Procedure Description: AFMSS APD Number: 10400103708 PBEX Operations, LLC requests the following: Well name change: Original: BOND 23-34 FED COM 001H New: BOND 32-34 FED COM 201H Target zone change: Original: AV New: 2BSS Casing/Cement/Mud change shown on attachment. SHL, BHL, lateral move shown on attachment.

NOI Attachments

Procedure Description

- 24_041778_BOND_32_34_FED_COM__201H_C102_Add_Pool_20251218083010.pdf
- 24_041778_BOND_32_34_FED_COM__201H_C102_20251218083002.pdf
- Bond_001H__201H_PPP_Changes_20251211083910.pdf
- 5.5_20.00__0.361__P110_RY_92.5_RBW_USS_FREEDOM_HTQ_Data_Sheet_03_14_24_20251211083858.pdf
- Bond_001H__New__Bond_201H_Changes_20251207154529.pdf
- Plan_2_WM__03__Bond_32_34_FED_COM_201H_20251207154517.pdf
- Plan_2_AC__03__Bond_32_34_FED_COM_201H_20251207154509.pdf
- Plan_2__03__Bond_32_34_FED_COM_201H_20251207154502.pdf

Well Name: BOND 32-34 FED COM	Well Location: T18S / R32E / SEC 32 / SENW / 32.706538 / -103.789056	County or Parish/State: LEA / NM
Well Number: 001H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM18232	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: PBEX OPERATIONS LLC	

Conditions of Approval

Additional

32_18_32_F_Sundry_ID_2878892_Bond_32_34_Fed_Com_201H_Lea_NM18232_PBEX_Operations_LLC_13_22h_11_14_2024_LV_20251211105057.pdf
Bond_32_34_Fed_Com_201H_Dr_COA_20251211105057.pdf

Operator

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

Operator Electronic Signature: MIKAH THOMAS	Signed on: DEC 18, 2025 08:31 AM
Name: PBEX OPERATIONS LLC	
Title: Regulatory Manager	
Street Address: 223 WEST WALL STREET STE 900	
City: MIDLAND	State: TX
Phone: (432) 661-7106	
Email address: MIKAH@PBEX.COM	

Field

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

BLM Point of Contact

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

32-18-32-F Sundry ID 2878892 Bond 32-34 Fed Com 201H Lea NM18232 PBEX Operations LLC 13-22h 11-14-2024 LV.xlsm

Bond 32-34 Fed Com 201H

13 3/8		surface csg in a		17 1/2		inch hole.		Design Factors				Surface		
Segment	#/ft	Grade		Coupling		Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	54.50			j 55	btc	12.91	2.16	1.16	1,213	5	1.99	4.41	66,109	
"B"					btc				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,382														
				Tail Cmt	does not	circ to sfc.	Totals:		1,213					
Comparison of Proposed to Minimum Required Cement Volumes														
Hole	Annular	1 Stage		1 Stage	Min	1 Stage	Drilling	Calc	Req'd					
Size	Volume	Cmt Sx		CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE					
17 1/2	0.6946	1273		1820	843	116	8.30	1371	2M					
Min Dist Hole-Cplg 1.56														
Site plot (pipe racks 3 or 4) as per D-D-1310-D-4.1 not found														

9 5/8		casing inside the		13 3/8		Design Factors				Int 1		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00		hcl 80	btc	5.18	1.8	1.22	4,535	2	2.16	3.08	181,400
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500								Totals:	4,535			181,400
The cement volume(s) are intended to achieve a top of 0 ft from surface or a								1213				overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg
12 1/4	0.3132	1141	2969	1480	101	10.20	2657	3M				0.81
r D V Tool(s):								sum of sx	Σ CuFt			Σ%excess
t by stage % :								1141	2969			101
Class 'H' tail cmt yld > 1.20												

5 1/2	casing inside the		9 5/8	Design Factors					Prod 1			
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	20.00		p 110	freedom	3.42	2.35	2.83	22,928	3	5.03	4.18	458,560
"B"							0				0	
"C"							0				0	
"D"							0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,059							Totals:	22,928				458,560
The cement volume(s) are intended to achieve a top of							4335	ft from surface or a		200	overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg			
8 3/4	0.2526	4103	5731	4698	22	9.70			1.23			
Class 'C' tail cmt yld > 1.35												

#N/A												
0	5 1/2											
Design Factors												
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst	Length	<Choose Casing>				Weight
"A"			0.00				0	B@s	a-B	a-C	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												
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	ft from surface or a	#N/A	overlap.				
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Drilling	Calc	Req'd	Min Dist			
0		#N/A	#N/A	0	#N/A	Mud Wt	MASP	BOPE	Hole-Cplg			
#N/A												
Capitan Reef est top XXXX.												

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

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

WELL NAME & NO.:	Bond 32-34 Fed Com 201H
ATS/API ID:	ATS-25-1254
APD ID:	10400103708
Sundry ID:	2878892

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

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

C. PRESSURE CONTROL

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

Option 1:

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

Option 2:

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

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

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

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

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

GENERAL REQUIREMENTS

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

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

☒ Lea County

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

Long Vo (LVO) 12/11/2025

Please refer to amended C-102 and plat at end of document

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

WELL LOCATION INFORMATION

API Number	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code	Property Name BOND 32-34 FED COM	Well Number #201H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,695.73'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 50' FEL	Latitude 32.710286°	Longitude -103.745728°	County LEA
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Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

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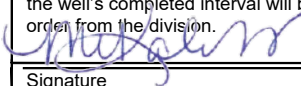
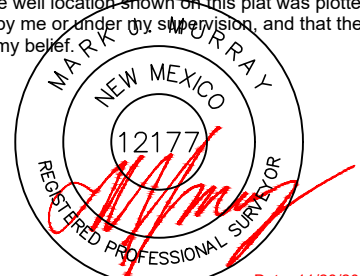
First Take Point (FTP)

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 100' FEL	Latitude 32.710287°	Longitude -103.745890°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,695.73
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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 2	

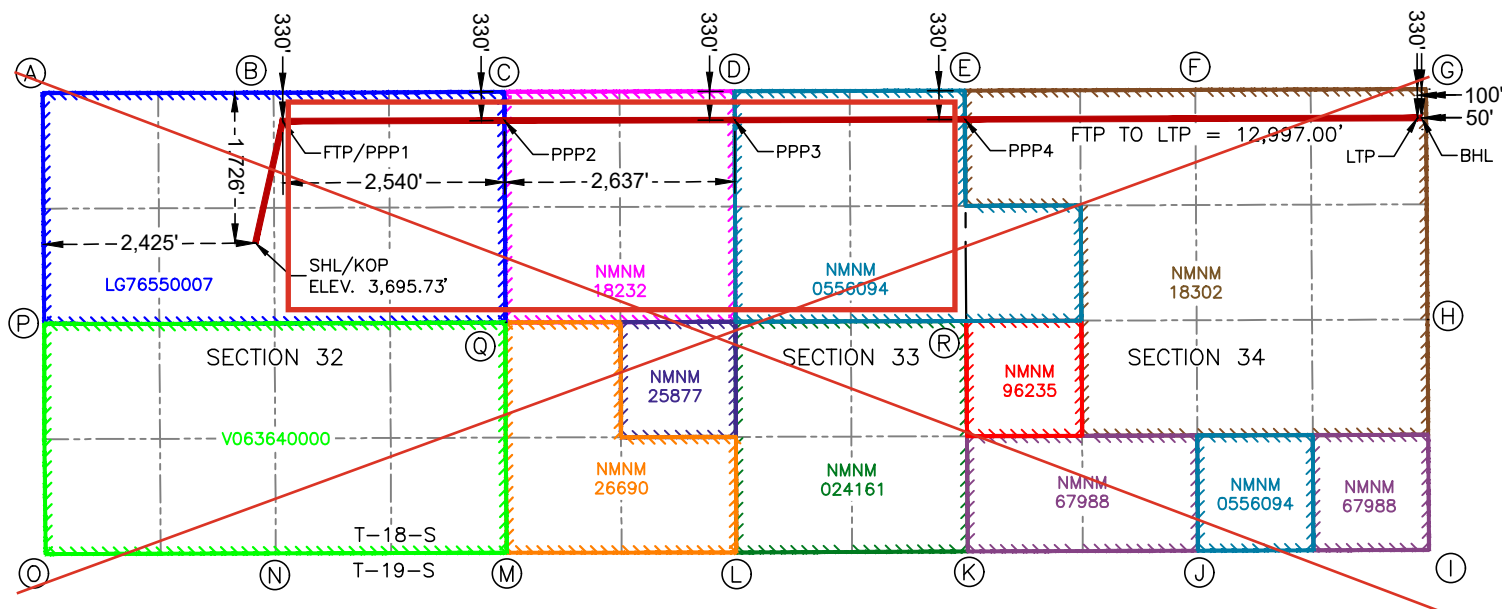
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

Please refer to amended C-102 and plat at end of document



BOND 32-34 FED COM #201H

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,726' FNL & 2,425' FWL
ELEV. = 3,695.73'
NAD 83 X = 708,711.47'
NAD 83 Y = 621,199.65'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789186°

**FIRST TAKE POINT &
PENETRATION POINT 1**
330' FNL & 2,540' FEL
NAD 83 X = 709,024.46'
NAD 83 Y = 622,596.23'
NAD 83 LAT = 32.710373°
NAD 83 LONG = -103.788145°

PENETRATION POINT 2
330' FNL & 0' FWL
NAD 83 X = 711,564.45'
NAD 83 Y = 622,603.12'
NAD 83 LAT = 32.710356°
NAD 83 LONG = -103.779887°

PENETRATION POINT 3
330' FNL & 2,637' FWL
NAD 83 X = 714,201.33'
NAD 83 Y = 622,609.79'
NAD 83 LAT = 32.710336°
NAD 83 LONG = -103.771314°

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

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

BOTTOM HOLE LOCATION
330' FNL & 50' FEL
NAD 83 X = 722,071.40'
NAD 83 Y = 622,634.39'
NAD 83 LAT = 32.710286°
NAD 83 LONG = -103.745728°

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

Please refer to amended C-102 and plat at end of document

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

WELL LOCATION INFORMATION

API Number	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code	Property Name BOND 32-34 FED COM	Well Number #201H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,695.73'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FNL	Ft. from E/W 50' FEL	Latitude 32.710286°	Longitude -103.745728°	County LEA
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Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,425' FWL	Latitude 32.706539°	Longitude -103.789186°	County LEA
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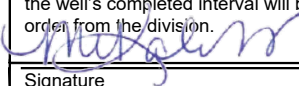
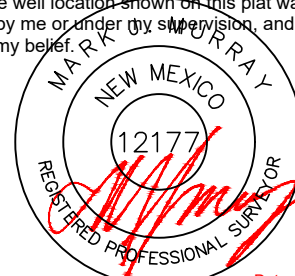
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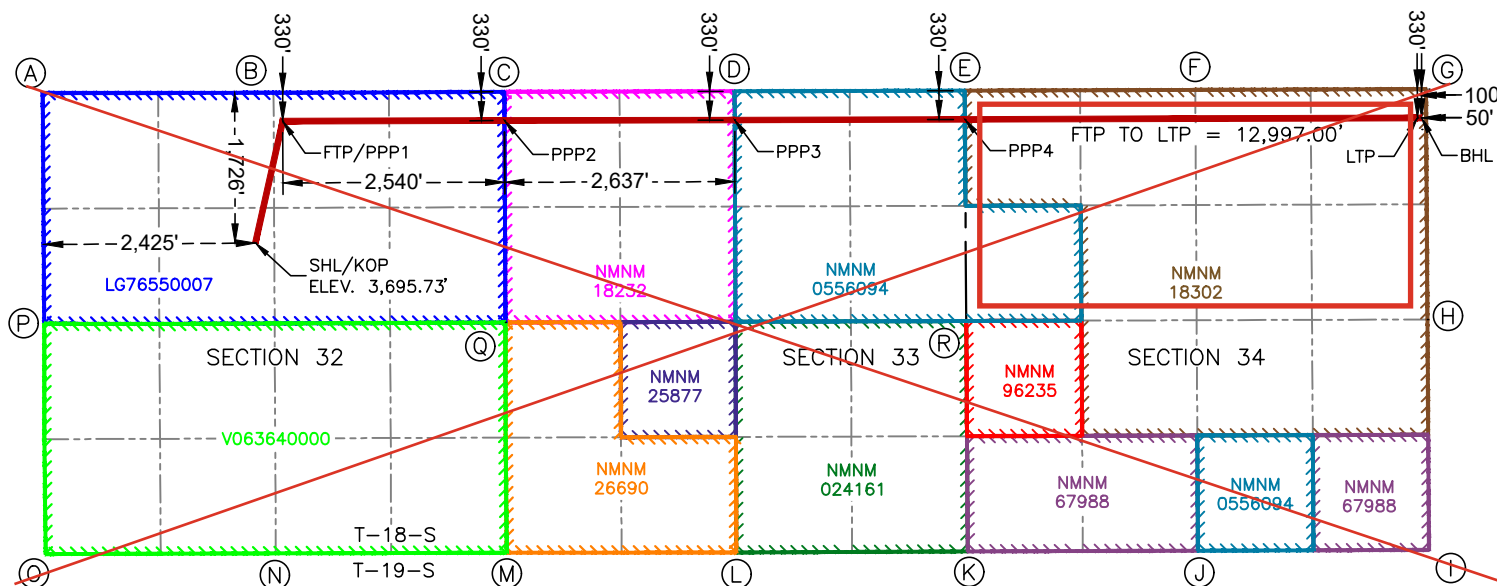
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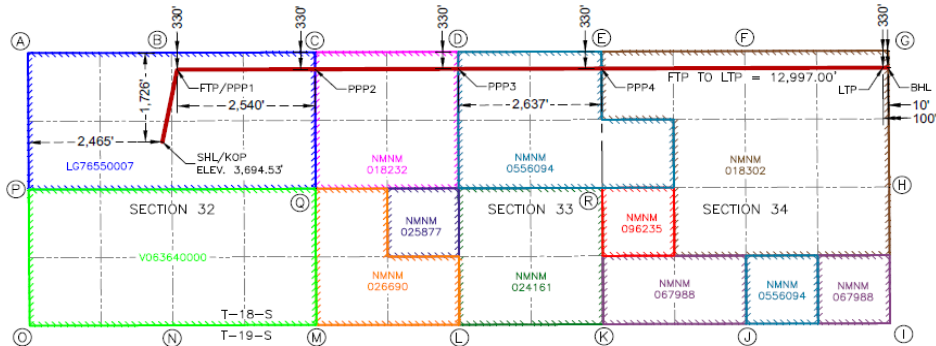
Please refer to amended C-102 and plat at end of document

PPP Changes

Original- Grey

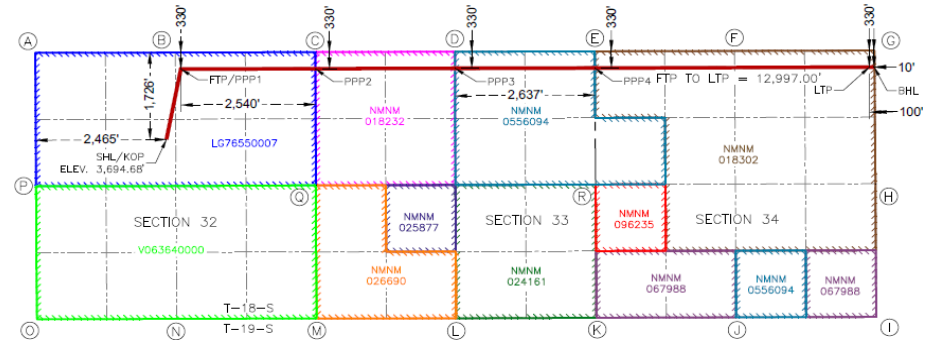
New- Blue

Original: Bond 33-34 Fed Com 001H



Original- SHL	32-18S-32E	1726 FNL & 2465 FWL	V063640000
Original- KOP	32-18S-32E	1726 FNL & 2465 FWL	V063640000
Original- FTP	32-18S-32E	330 FNL & 0 FWL	LG76550007
Original- PPP2	33-18S-32E	330 FNL & 0 FWL	NMNM18232
Original- PPP3	33-18S-32E	330 FNL & 2637 FEL	NMNM0556094
Original- PPP4	34-18S-32E	330 FNL & 0 FWL	NMNM18302
Original- LTP	34-18S-32E	330 FNL & 100 FEL	NMNM018302
Original- BHL	34-18S-32E	330 FNL & 10 FEL	NMNM018302

New: Bond 33-34 Fed Com 201H



New-SHL	No Changes
New-KOP	No Changes
New-FTP	No Changes
New-PPP2	No Changes
New-PPP3	No Changes
New-PPP4	No Changes
New-LTP	No Changes
New-BHL	No Changes



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

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

UNCONTROLLED

UNCONTROLLED

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

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

Notice of Intent to Change Drill Plan

Bond 32-34 Fed Com 001H

Bond 32-34 Fed Com 201H

Original Design in Grey

New Design in Blue

Target Zone: AV

New Target Zone: 2BSS

Casing Design- ORIGINAL														
Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate 1	12 1/4	9 5/8	API	no	0	4000	0	3970	J-55	40	BTC	1.125	1.125	1.6
Intermediate 2	12 1/4	9 5/8	API	no	4000	4535	3970	4505	HCL80	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	21194	0	7820	P-110	17	CDC HTQ	1.125	1.125	1.6

Casing Design- NEW														
Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.55	BTC	1.125	1.125	1.6
Intermediate	12 1/4	9 5/8	API	no	0	4535	0	4425	L80HC	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	22928	0	9360	P110	20	Freedom	1.125	1.125	1.6

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

Cement Details- ORIGINAL										
Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives	
Surface	Lead	0	751	2.22	1667.3	12.5	100%	C	Gel, Accleerator, LCM	
	Tail	1200	83	1.84	152.8	13.2	100%	C	Gel, Accleerator, LCM	
Intermediate	Lead	0	804	2.65	2129.5	10.5	100%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads	
	Tail	3785	240	1.33	319.2	13.2	100%	C or H	Fluid Loss, Retarder, LCM	
Produciton	Lead	4035	275	4.3	1184.4	10.5	20%	H	Fluid Loss, Retarder, LCM	
	Tail	7820	2491	1.68	4184.6	13	20%	H	Fluid Loss, Retarder, LCM	

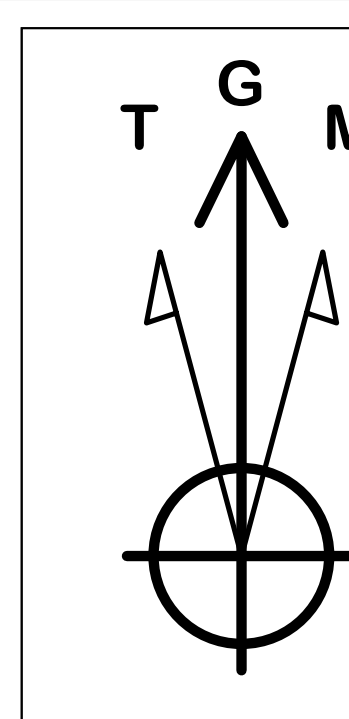
Cement Details- NEW										
Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives	
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accleerator, LCM	
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accleerator, LCM	
Intermediate	Lead	0	753	3.32	2500.5	10.5	100%	C	Fluid Loss, Retarder, LCM, Possibly Beads	
	Tail	3785	388	1.21	469.8	13.2	100%	C	Fluid Loss, Retarder, LCM	
Produciton	Lead	4035	380	3.03	1152.2	10.5	20%	H	Fluid Loss, Retarder, LCM	
	Tail	7820	3,723	1.23	4579.5	13.2	20%	H	Fluid Loss, Retarder, LCM	

Mud Program- ORIGINAL						
Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.2	35-45	NC
Production	4535	21194	Oil Based Mud	9.7	35-65	4 to 6

Mud Program- NEW						
Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.2	35-45	NC
Production	4535	22928	Oil Based Mud		35-65	4 to 6



PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (03) Bond 32-34 FED COM 201H
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 @ 3726.23usft
Elevation: 3695.73
To convert a Magnetic Direction to a Grid Direction, Add 6.057°



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

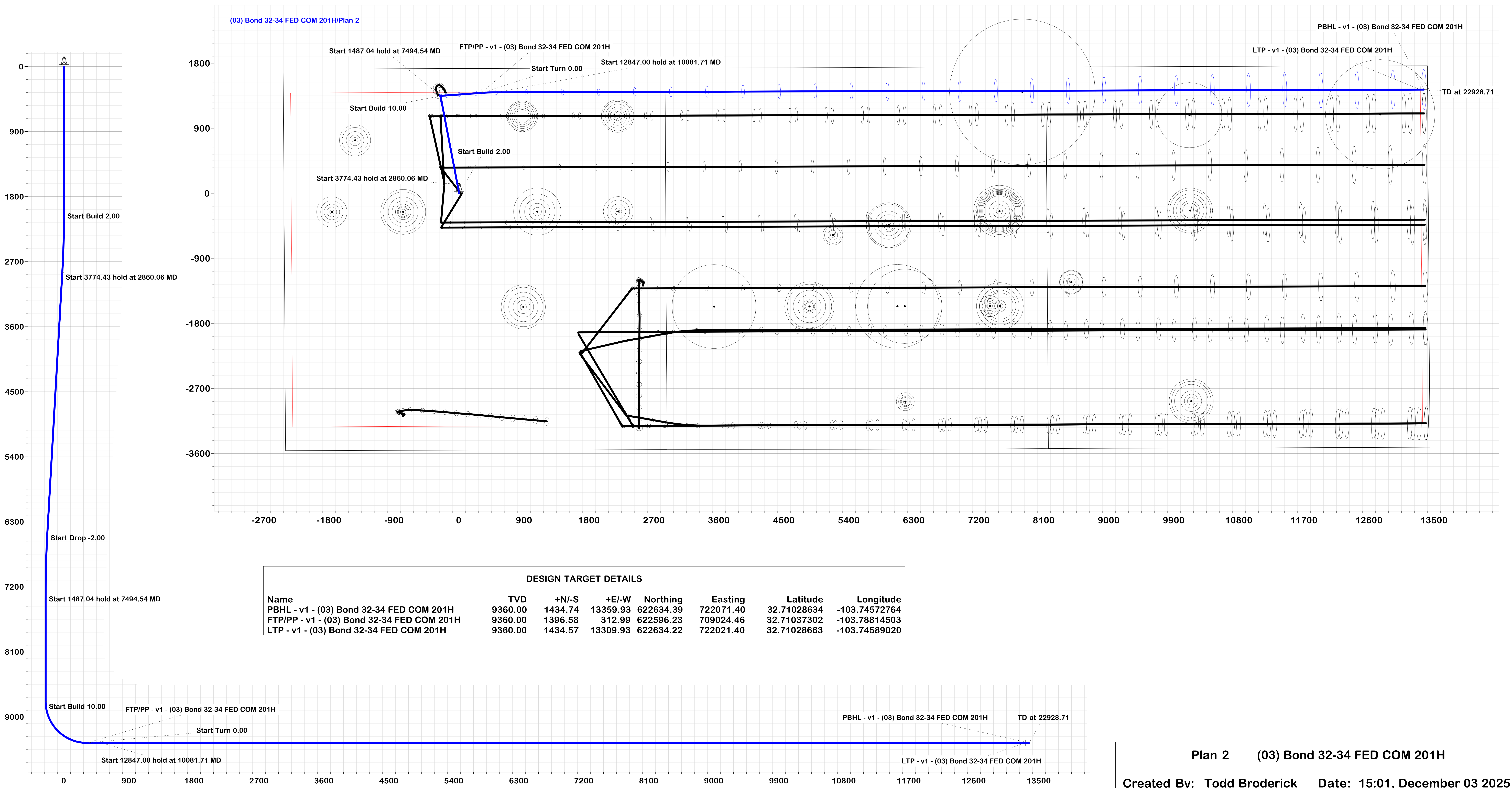
Magnetic Field
Strength: 47228.2nT
Dip Angle: 60.14°
Date: 12/3/2025
Model: IGRF2025



PBEX
Site: Bond North Pad - Phase 1
Well: (03) Bond 32-34 FED COM 201H
Wellbore: 201H
Plan: Plan 2

WELL DETAILS: (03) Bond 32-34 FED COM 201H					
		Northing	Easting	Latitude	Longitude
0.00	0.00	621199.65	708711.47	32.70653884	-103.78918590

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	2860.06	17.20	349.15	2847.20	125.84	-24.12	2.00	349.148	-23.75
4	6634.49	17.20	349.15	6452.80	1222.09	-234.27	0.00	0.000	-230.64
5	7494.54	0.00	85.83	7300.00	1347.93	-258.39	2.00	180.000	-254.39
6	8981.59	0.00	85.83	8787.04	1347.93	-258.39	0.00	0.000	-254.39
7	9881.59	90.00	85.83	9360.00	1389.59	313.05	10.00	0.000	317.17
8	10081.71	90.00	89.83	9360.00	1397.16	512.98	2.00	90.000	517.13
9	22928.71	90.00	89.83	9360.00	1434.74	13359.93	0.00	0.000	13364.13



Vertical Section at 89.83° (450 usft/in)



PBEX

Lea County, NM (N83 - NME)

Bond North Pad - Phase 1

(03) Bond 32-34 FED COM 201H

TBD

201H

Plan 2

Anticollision Report

03 December, 2025

DIXON



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	12/3/2025
From (usft)	To (usft)	Survey (Wellbore)
0.00	22,928.71	Plan 2 (201H)
		Tool Name
		MWD+IFR1
		Description
		OWSG MWD + IFR1

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond North Pad - Phase 1						
(01) Bond 32-34 FED COM 205H - 205H - Plan 2	2,000.00	1,998.95	40.00	28.88	3.599	CC, ES
(01) Bond 32-34 FED COM 205H - 205H - Plan 2	22,928.71	22,764.58	1,869.99	1,308.63	3.331	SF
(02) Bond 32-34 FED COM 301H - 301H - Plan 2	2,000.00	1,998.41	20.00	8.89	1.799	Level 3, CC, ES
(02) Bond 32-34 FED COM 301H - 301H - Plan 2	2,100.00	2,098.39	20.40	8.98	1.785	Level 3, SF
Bond North Pad - Phase 2						
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	4,355.47	4,310.42	185.48	166.46	9.754	CC
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	4,400.00	4,354.75	185.53	166.36	9.679	ES
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	22,928.71	23,792.56	881.80	569.56	2.824	SF
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	4,270.21	4,234.13	134.48	115.14	6.952	CC
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	4,400.00	4,363.07	135.30	114.62	6.545	ES
(02) Bond 32-34 FED COM #101H - #101H - Plan 1	22,928.71	21,879.23	995.55	724.89	3.678	SF
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	2,630.18	2,620.69	200.92	188.25	15.854	CC, ES
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	22,928.71	21,812.18	2,030.32	1,523.43	4.005	SF
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	7,459.79	7,243.69	138.40	79.93	2.367	CC, ES
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	9,002.20	8,788.86	148.78	84.02	2.297	SF
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)						Out of range
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)						Out of range
(W04) FIST FULL OF DOLLARS FEDERAL 001 - 33644						Out of range
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	17,044.83	9,336.37	1,664.85	1,233.48	3.859	CC
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	17,100.00	9,336.36	1,665.76	1,233.41	3.853	ES, SF
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)						Out of range
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)						Out of range
(W08) HULKSTER 001 - 38446 - (Inc Only)	5,776.15	5,618.04	1,278.08	1,146.82	9.737	CC
(W08) HULKSTER 001 - 38446 - (Inc Only)	9,000.00	8,782.31	1,334.02	1,127.05	6.446	ES
(W08) HULKSTER 001 - 38446 - (Inc Only)	9,100.00	8,890.70	1,345.14	1,135.21	6.408	SF
(W09) HULKSTER 002 - 38844 - (Inc Only)	2,624.11	2,605.05	1,780.29	1,718.12	28.637	CC
(W09) HULKSTER 002 - 38844 - (Inc Only)	3,200.00	3,160.14	1,786.72	1,711.16	23.645	ES
(W09) HULKSTER 002 - 38844 - (Inc Only)	6,200.00	6,026.28	2,060.92	1,915.42	14.165	SF
(W10) HULKSTER 003 - 39570 - (Inc Only)	10,442.88	9,356.03	333.11	88.46	1.362	Level 3, CC, ES, SF
(W11) HULKSTER 004 - 39571 - (Inc Only)	11,761.52	9,366.65	334.50	54.33	1.194	Level 3, CC, ES, SF
(W12) HULKSTER 005 - 39572 - (Inc Only)	11,766.98	9,354.15	1,654.44	1,394.57	6.367	CC
(W12) HULKSTER 005 - 39572 - (Inc Only)	11,800.00	9,354.15	1,654.77	1,394.36	6.355	ES
(W12) HULKSTER 005 - 39572 - (Inc Only)	11,900.00	9,354.15	1,659.78	1,397.85	6.337	SF

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond Pad Offsets						
(W13) KEELA FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	15,512.82	9,350.93	1,855.27	1,511.39	5.395	CC, ES
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	15,700.00	9,350.93	1,864.68	1,517.86	5.376	SF
(W15) KEELA FEDERAL 004 - 33499 - (Inc Only)						Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	683.48	672.23	1,806.50	1,788.17	98.585	CC
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,100.00	2,088.80	1,808.61	1,756.15	34.479	ES
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	3,300.00	3,250.03	2,052.53	1,972.31	25.585	SF
(W17) MAX STATE 001 - 26754 - (Inc Only)	1,739.80	1,720.43	1,110.47	1,063.23	23.511	CC
(W17) MAX STATE 001 - 26754 - (Inc Only)	2,200.00	2,180.72	1,113.51	1,055.39	19.158	ES
(W17) MAX STATE 001 - 26754 - (Inc Only)	10,800.00	9,327.04	1,659.17	1,396.26	6.311	SF
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	19,684.98	9,360.32	1,664.57	1,226.60	3.801	CC
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	19,700.00	9,360.32	1,664.64	1,226.38	3.798	ES
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	19,800.00	9,360.32	1,668.54	1,228.83	3.795	SF
(W19) SPEAR FEDERAL 001 - 33645 - (Inc Only)						Out of range
(W20) SUPERIOR FEDERAL 001 - 24277 - (Inc Only)						Out of range
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)						Out of range
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	1,193.91	1,191.68	816.70	785.31	26.018	CC
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	2,500.00	2,493.30	823.55	760.41	13.043	ES
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	9,200.00	9,000.05	1,702.72	1,471.61	7.368	SF
(W23) KEELA FEDERAL 001 - 33316 - (Depth Only)						Out of range
(W24) NELLIE 001 - 24439 - (Depth Only)						Out of range
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth)						Out of range
(W26) STATE EC 001 - 00885 - (Depth Only)						Out of range
(W27) TEXACO FEDERAL 001 - 00886 - (Depth Only)						Out of range
Bond South Pad - Phase 1						
(01) Bond 32-34 FED COM 207H - 207H - Plan 2						Out of range
(02) Bond 32-34 FED COM 211H - 211H - Plan 2						Out of range
Bond South Pad - Phase 2						
(01) Bond 33-34 FED COM #306H - #306H - Plan 1						Out of range
(02) Bond 33-34 FED COM #304H - #304H - Plan 1						Out of range
(03) Bond 33-34 FED COM #106H - #106H - Plan 1						Out of range
(04) Bond 33-34 FED COM #104H - #104H - Plan 1						Out of range

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +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	90.043	-0.03	40.00	40.01				
100.00	100.00	98.95	98.95	0.79	0.78	90.043	-0.03	40.00	40.00	38.44	1.56	25.591	
200.00	200.00	198.95	198.95	1.45	1.44	90.043	-0.03	40.00	40.00	37.11	2.89	13.864	
300.00	300.00	298.95	298.95	1.89	1.89	90.043	-0.03	40.00	40.00	36.22	3.78	10.586	
400.00	400.00	398.95	398.95	2.25	2.25	90.043	-0.03	40.00	40.00	35.50	4.50	8.882	
500.00	500.00	498.95	498.95	2.57	2.56	90.043	-0.03	40.00	40.00	34.87	5.13	7.794	
600.00	600.00	598.95	598.95	2.85	2.85	90.043	-0.03	40.00	40.00	34.30	5.70	7.022	
700.00	700.00	698.95	698.95	3.11	3.11	90.043	-0.03	40.00	40.00	33.79	6.21	6.437	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
800.00	800.00	798.95	798.95	3.35	3.35	90.043	-0.03	40.00	40.00	33.30	6.70	5.975	
900.00	900.00	898.95	898.95	3.58	3.57	90.043	-0.03	40.00	40.00	32.85	7.15	5.596	
1,000.00	1,000.00	998.95	998.95	3.79	3.79	90.043	-0.03	40.00	40.00	32.42	7.58	5.279	
1,100.00	1,100.00	1,098.95	1,098.95	3.99	3.99	90.043	-0.03	40.00	40.00	32.01	7.99	5.008	
1,200.00	1,200.00	1,198.95	1,198.95	4.19	4.19	90.043	-0.03	40.00	40.00	31.62	8.38	4.774	
1,300.00	1,300.00	1,298.95	1,298.95	4.38	4.38	90.043	-0.03	40.00	40.00	31.24	8.76	4.567	
1,400.00	1,400.00	1,398.95	1,398.95	4.56	4.56	90.043	-0.03	40.00	40.00	30.88	9.12	4.384	
1,500.00	1,500.00	1,498.95	1,498.95	4.74	4.74	90.043	-0.03	40.00	40.00	30.52	9.48	4.221	
1,600.00	1,600.00	1,598.95	1,598.95	4.91	4.91	90.043	-0.03	40.00	40.00	30.18	9.82	4.073	
1,700.00	1,700.00	1,698.95	1,698.95	5.08	5.08	90.043	-0.03	40.00	40.00	29.84	10.16	3.938	
1,800.00	1,800.00	1,798.95	1,798.95	5.24	5.24	90.043	-0.03	40.00	40.00	29.52	10.48	3.816	
1,900.00	1,900.00	1,898.95	1,898.95	5.40	5.40	90.043	-0.03	40.00	40.00	29.20	10.80	3.703	
2,000.00	2,000.00	1,998.95	1,998.95	5.56	5.56	90.043	-0.03	40.00	40.00	28.88	11.12	3.599 CC, ES	
2,100.00	2,099.98	2,098.93	2,098.93	5.80	5.71	103.320	-0.03	40.00	40.37	28.94	11.43	3.533	
2,200.00	2,199.84	2,198.79	2,198.79	6.05	5.86	110.266	-0.03	40.00	41.88	30.14	11.74	3.567	
2,300.00	2,299.45	2,298.40	2,298.40	6.31	6.01	120.488	-0.03	40.00	45.65	33.55	12.09	3.775	
2,400.00	2,398.70	2,397.65	2,397.65	6.59	6.15	131.780	-0.03	40.00	52.90	40.40	12.50	4.233	
2,500.00	2,497.47	2,496.42	2,496.42	6.89	6.29	142.018	-0.03	40.00	64.44	51.48	12.96	4.971	
2,600.00	2,595.62	2,593.71	2,593.69	7.21	6.48	151.194	-1.34	39.20	80.91	67.46	13.45	6.014	
2,700.00	2,693.06	2,688.96	2,688.82	7.54	6.66	159.454	-5.34	36.74	103.44	89.49	13.96	7.413	
2,800.00	2,789.64	2,781.65	2,781.20	7.90	6.84	166.174	-11.83	32.77	132.41	117.94	14.47	9.150	
2,900.00	2,885.35	2,871.97	2,870.93	8.18	6.95	171.482	-20.56	27.42	167.44	152.59	14.84	11.281	
3,000.00	2,980.88	2,964.03	2,962.28	8.51	7.08	175.362	-30.33	21.43	204.67	189.38	15.29	13.383	
3,100.00	3,076.41	3,056.10	3,053.63	8.85	7.25	178.054	-40.10	15.44	242.48	226.70	15.78	15.367	
3,200.00	3,171.93	3,148.16	3,144.98	9.22	7.44	-179.977	-49.87	9.46	280.62	264.33	16.29	17.229	
3,300.00	3,267.46	3,240.23	3,236.32	9.59	7.64	-178.478	-59.64	3.47	318.98	302.16	16.82	18.966	
3,400.00	3,362.99	3,332.29	3,327.67	9.98	7.85	-177.299	-69.40	-2.52	357.49	340.12	17.37	20.582	
3,500.00	3,458.52	3,424.36	3,419.02	10.38	8.08	-176.349	-79.17	-8.51	396.10	378.16	17.94	22.079	
3,600.00	3,554.04	3,516.42	3,510.37	10.79	8.32	-175.568	-88.94	-14.49	434.78	416.26	18.53	23.465	
3,700.00	3,649.57	3,608.49	3,601.72	11.20	8.57	-174.913	-98.71	-20.48	473.53	454.39	19.14	24.746	
3,800.00	3,745.10	3,700.55	3,693.07	11.63	8.83	-174.358	-108.48	-26.47	512.32	492.56	19.76	25.931	
3,900.00	3,840.62	3,792.62	3,784.42	12.06	9.10	-173.881	-118.25	-32.46	551.15	530.75	20.39	27.025	
4,000.00	3,936.15	3,884.68	3,875.77	12.50	9.38	-173.466	-128.02	-38.44	590.00	568.96	21.04	28.037	
4,100.00	4,031.68	3,976.75	3,967.12	12.94	9.66	-173.103	-137.79	-44.43	628.88	607.17	21.71	28.974	
4,200.00	4,127.21	4,068.81	4,058.47	13.38	9.96	-172.781	-147.56	-50.42	667.77	645.39	22.38	29.841	
4,300.00	4,222.73	4,160.87	4,149.81	13.84	10.26	-172.496	-157.33	-56.41	706.68	683.62	23.06	30.645	
4,400.00	4,318.26	4,252.94	4,241.16	14.29	10.56	-172.240	-167.10	-62.39	745.61	721.86	23.75	31.391	
4,500.00	4,413.79	4,345.00	4,332.51	14.75	10.87	-172.009	-176.86	-68.38	784.54	760.09	24.45	32.084	
4,600.00	4,509.32	4,437.07	4,423.86	15.21	11.19	-171.800	-186.63	-74.37	823.49	798.33	25.16	32.729	
4,700.00	4,604.84	4,529.13	4,515.21	15.68	11.51	-171.610	-196.40	-80.36	862.44	836.57	25.88	33.330	
4,800.00	4,700.37	4,621.20	4,606.56	16.15	11.83	-171.436	-206.17	-86.34	901.41	874.81	26.60	33.890	
4,900.00	4,795.90	4,713.26	4,697.91	16.62	12.16	-171.277	-215.94	-92.33	940.37	913.05	27.33	34.413	
5,000.00	4,891.42	4,805.33	4,789.26	17.09	12.49	-171.131	-225.71	-98.32	979.35	951.29	28.06	34.901	
5,100.00	4,986.95	4,897.39	4,880.61	17.57	12.82	-170.995	-235.48	-104.31	1,018.33	989.53	28.80	35.359	
5,200.00	5,082.48	4,989.46	4,971.95	18.05	13.16	-170.870	-245.25	-110.29	1,057.31	1,027.77	29.54	35.787	
5,300.00	5,178.01	5,081.52	5,063.30	18.53	13.50	-170.754	-255.02	-116.28	1,096.30	1,066.01	30.29	36.190	
5,400.00	5,273.53	5,173.59	5,154.65	19.01	13.84	-170.645	-264.79	-122.27	1,135.29	1,104.24	31.05	36.567	
5,500.00	5,369.06	5,265.65	5,246.00	19.49	14.19	-170.544	-274.56	-128.26	1,174.28	1,142.48	31.80	36.923	
5,600.00	5,464.59	5,357.72	5,337.35	19.98	14.54	-170.449	-284.32	-134.24	1,213.28	1,180.72	32.56	37.258	
5,700.00	5,560.11	5,449.78	5,428.70	20.46	14.89	-170.360	-294.09	-140.23	1,252.28	1,218.95	33.33	37.574	
5,800.00	5,655.64	5,541.85	5,520.05	20.95	15.24	-170.277	-303.86	-146.22	1,291.28	1,257.19	34.10	37.872	
5,900.00	5,751.17	5,633.91	5,611.40	21.44	15.59	-170.198	-313.63	-152.21	1,330.29	1,295.42	34.87	38.153	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
6,000.00	5,846.70	5,725.98	5,702.75	21.93	15.95	-170.124	-323.40	-158.19	1,369.29	1,333.65	35.64	38.420	
6,100.00	5,942.22	5,818.04	5,794.10	22.42	16.30	-170.054	-333.17	-164.18	1,408.30	1,371.89	36.42	38.672	
6,200.00	6,037.75	5,910.10	5,885.44	22.91	16.66	-169.988	-342.94	-170.17	1,447.31	1,410.12	37.20	38.911	
6,300.00	6,133.28	6,002.17	5,976.79	23.40	17.02	-169.925	-352.71	-176.16	1,486.32	1,448.35	37.98	39.138	
6,400.00	6,228.81	6,094.23	6,068.14	23.90	17.38	-169.865	-362.48	-182.14	1,525.34	1,486.58	38.76	39.353	
6,500.00	6,324.33	6,186.30	6,159.49	24.39	17.74	-169.809	-372.25	-188.13	1,564.35	1,524.81	39.55	39.558	
6,600.00	6,419.86	6,278.36	6,250.84	24.89	18.11	-169.755	-382.02	-194.12	1,603.37	1,563.03	40.33	39.753	
6,700.00	6,515.60	6,370.71	6,342.47	25.37	18.47	-169.794	-391.81	-200.12	1,641.70	1,600.59	41.11	39.933	
6,800.00	6,612.24	6,464.23	6,435.26	25.87	18.84	-169.853	-401.74	-206.21	1,677.04	1,635.12	41.91	40.010	
6,900.00	6,709.71	6,558.90	6,529.19	26.36	19.22	-169.878	-411.78	-212.36	1,709.14	1,666.42	42.71	40.014	
7,000.00	6,807.91	6,654.59	6,624.14	26.83	19.60	-169.872	-421.94	-218.59	1,737.97	1,694.47	43.50	39.949	
7,100.00	6,906.70	6,751.19	6,719.99	27.29	19.99	-169.835	-432.19	-224.87	1,763.51	1,719.22	44.28	39.822	
7,200.00	7,005.97	6,848.59	6,816.63	27.72	20.38	-169.770	-442.52	-231.20	1,785.72	1,740.67	45.05	39.641	
7,300.00	7,105.61	6,946.66	6,913.94	28.11	20.76	-169.676	-452.93	-237.58	1,804.58	1,758.80	45.78	39.419	
7,400.00	7,205.47	7,126.09	7,092.40	28.47	21.47	-169.465	-468.65	-247.22	1,818.54	1,771.46	47.08	38.624	
7,500.00	7,305.46	7,329.12	7,295.24	28.62	22.08	-179.772	-475.05	-251.14	1,823.02	1,774.93	48.09	37.909	
7,600.00	7,405.46	7,438.28	7,404.41	28.70	22.11	179.773	-475.08	-251.16	1,823.02	1,774.80	48.22	37.810	
7,700.00	7,505.46	7,538.28	7,504.41	28.74	22.14	179.773	-475.08	-251.16	1,823.02	1,774.73	48.29	37.750	
7,800.00	7,605.46	7,638.28	7,604.41	28.78	22.16	179.773	-475.08	-251.16	1,823.02	1,774.65	48.37	37.691	
7,900.00	7,705.46	7,738.28	7,704.41	28.82	22.19	179.773	-475.08	-251.16	1,823.02	1,774.58	48.44	37.632	
8,000.00	7,805.46	7,838.28	7,804.41	28.87	22.22	179.773	-475.08	-251.16	1,823.02	1,774.50	48.52	37.572	
8,100.00	7,905.46	7,938.28	7,904.41	28.91	22.25	179.773	-475.08	-251.16	1,823.02	1,774.42	48.60	37.512	
8,200.00	8,005.46	8,038.28	8,004.41	28.95	22.28	179.773	-475.08	-251.16	1,823.02	1,774.35	48.68	37.453	
8,300.00	8,105.46	8,138.28	8,104.41	29.00	22.31	179.773	-475.08	-251.16	1,823.02	1,774.27	48.75	37.393	
8,400.00	8,205.46	8,238.28	8,204.41	29.04	22.34	179.773	-475.08	-251.16	1,823.02	1,774.19	48.83	37.332	
8,500.00	8,305.46	8,338.28	8,304.41	29.08	22.38	179.773	-475.08	-251.16	1,823.02	1,774.11	48.91	37.272	
8,600.00	8,405.46	8,438.28	8,404.41	29.12	22.41	179.773	-475.08	-251.16	1,823.02	1,774.03	48.99	37.212	
8,700.00	8,505.46	8,538.28	8,504.41	29.17	22.44	179.773	-475.08	-251.16	1,823.02	1,773.95	49.07	37.151	
8,800.00	8,605.46	8,638.28	8,604.41	29.21	22.47	179.773	-475.08	-251.16	1,823.02	1,773.87	49.15	37.090	
8,900.00	8,705.46	8,738.28	8,704.41	29.26	22.50	179.773	-475.08	-251.16	1,823.02	1,773.79	49.23	37.030	
8,903.60	8,709.06	8,741.88	8,708.01	29.26	22.50	93.943	-475.08	-251.16	1,823.02	1,773.79	49.23	37.028	
9,000.00	8,805.45	8,838.23	8,804.35	29.29	22.51	93.941	-475.08	-250.89	1,823.04	1,773.75	49.29	36.984	
9,100.00	8,904.61	8,937.91	8,903.22	29.27	22.37	93.865	-475.04	-239.25	1,823.87	1,774.54	49.33	36.972	
9,200.00	9,000.20	9,037.62	8,998.61	29.26	22.19	93.670	-474.96	-210.66	1,825.89	1,776.51	49.38	36.975	
9,300.00	9,089.32	9,137.33	9,087.61	29.27	22.01	93.363	-474.83	-165.99	1,829.04	1,779.58	49.46	36.980	
9,400.00	9,169.25	9,237.05	9,167.54	29.32	21.87	92.953	-474.65	-106.57	1,833.22	1,783.61	49.61	36.954	
9,500.00	9,237.56	9,336.77	9,235.97	29.44	21.82	92.454	-474.44	-34.21	1,838.30	1,788.41	49.89	36.846	
9,600.00	9,292.19	9,436.51	9,290.85	29.66	21.90	91.881	-474.20	48.93	1,844.14	1,793.75	50.39	36.597	
9,700.00	9,331.47	9,536.28	9,330.51	30.00	22.18	91.252	-473.93	140.34	1,850.55	1,799.37	51.18	36.161	
9,800.00	9,354.20	9,636.11	9,353.73	30.47	22.67	90.587	-473.65	237.30	1,857.34	1,805.06	52.28	35.527	
9,900.00	9,360.00	9,735.99	9,360.00	31.06	23.37	90.032	-473.36	336.87	1,864.24	1,810.56	53.68	34.727	
10,000.00	9,360.00	9,835.88	9,360.00	31.80	24.24	90.032	-473.06	436.76	1,868.83	1,813.44	55.39	33.741	
10,100.00	9,360.00	9,935.87	9,360.00	32.64	25.25	90.032	-472.77	536.75	1,870.00	1,812.67	57.33	32.619	
10,121.17	9,360.00	9,957.04	9,360.00	32.84	25.48	90.032	-472.71	557.92	1,870.00	1,812.22	57.78	32.365	
10,200.00	9,360.00	10,035.87	9,360.00	33.59	26.39	90.032	-472.48	636.75	1,870.00	1,810.50	59.49	31.432	
10,221.17	9,360.00	10,057.04	9,360.00	33.81	26.65	90.032	-472.42	657.92	1,870.00	1,810.01	59.99	31.173	
10,300.00	9,360.00	10,135.87	9,360.00	34.63	27.65	90.032	-472.19	736.75	1,870.00	1,808.14	61.86	30.230	
10,321.17	9,360.00	10,157.04	9,360.00	34.87	27.93	90.032	-472.12	757.92	1,870.00	1,807.61	62.39	29.972	
10,400.00	9,360.00	10,235.87	9,360.00	35.76	29.00	90.032	-471.89	836.75	1,870.00	1,805.59	64.40	29.035	
10,421.17	9,360.00	10,257.04	9,360.00	36.02	29.30	90.032	-471.83	857.92	1,870.00	1,805.03	64.97	28.782	
10,500.00	9,360.00	10,335.87	9,360.00	36.98	30.44	90.032	-471.60	936.75	1,870.00	1,802.89	67.11	27.867	
10,521.17	9,360.00	10,357.04	9,360.00	37.25	30.75	90.032	-471.54	957.92	1,870.00	1,802.30	67.70	27.621	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1						Rule Assigned:				Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
10,600.00	9,360.00	10,435.87	9,360.00	38.27	31.95	90.032	-471.31	1,036.75	1,870.00	1,800.05	69.95	26.735	
10,621.17	9,360.00	10,457.04	9,360.00	38.55	32.28	90.032	-471.25	1,057.92	1,870.00	1,799.43	70.57	26.499	
10,700.00	9,360.00	10,535.87	9,360.00	39.62	33.53	90.032	-471.02	1,136.75	1,870.00	1,797.09	72.91	25.648	
10,721.17	9,360.00	10,557.04	9,360.00	39.92	33.87	90.032	-470.95	1,157.92	1,870.00	1,796.44	73.56	25.423	
10,800.00	9,360.00	10,635.87	9,360.00	41.03	35.16	90.032	-470.72	1,236.75	1,870.00	1,794.02	75.98	24.611	
10,821.17	9,360.00	10,657.04	9,360.00	41.34	35.51	90.032	-470.66	1,257.92	1,870.00	1,793.35	76.65	24.397	
10,900.00	9,360.00	10,735.87	9,360.00	42.50	36.83	90.032	-470.43	1,336.74	1,870.00	1,790.85	79.15	23.626	
10,921.17	9,360.00	10,757.04	9,360.00	42.82	37.19	90.032	-470.37	1,357.91	1,870.00	1,790.16	79.83	23.423	
11,000.00	9,360.00	10,835.87	9,360.00	44.01	38.55	90.032	-470.14	1,436.74	1,870.00	1,787.60	82.40	22.694	
11,021.17	9,360.00	10,857.04	9,360.00	44.34	38.92	90.032	-470.08	1,457.91	1,870.00	1,786.89	83.10	22.502	
11,100.00	9,360.00	10,935.87	9,360.00	45.57	40.30	90.032	-469.85	1,536.74	1,870.00	1,784.27	85.73	21.813	
11,121.17	9,360.00	10,957.04	9,360.00	45.91	40.68	90.032	-469.78	1,557.91	1,870.00	1,783.55	86.45	21.632	
11,200.00	9,360.00	11,035.87	9,360.00	47.17	42.08	90.032	-469.55	1,636.74	1,870.00	1,780.87	89.12	20.982	
11,221.17	9,360.00	11,057.04	9,360.00	47.51	42.46	90.032	-469.49	1,657.91	1,870.00	1,780.14	89.85	20.812	
11,300.00	9,360.00	11,135.87	9,360.00	48.80	43.89	90.032	-469.26	1,736.74	1,870.00	1,777.42	92.58	20.199	
11,321.17	9,360.00	11,157.04	9,360.00	49.15	44.28	90.032	-469.20	1,757.91	1,870.00	1,776.68	93.32	20.039	
11,400.00	9,360.00	11,235.87	9,360.00	50.47	45.72	90.032	-468.97	1,836.74	1,870.00	1,773.91	96.08	19.462	
11,421.17	9,360.00	11,257.04	9,360.00	50.83	46.11	90.032	-468.91	1,857.91	1,870.00	1,773.16	96.84	19.311	
11,500.00	9,360.00	11,335.87	9,360.00	52.16	47.58	90.032	-468.68	1,936.74	1,870.00	1,770.36	99.64	18.768	
11,521.17	9,360.00	11,357.04	9,360.00	52.53	47.97	90.032	-468.61	1,957.91	1,870.00	1,769.60	100.40	18.625	
11,600.00	9,360.00	11,435.87	9,360.00	53.88	49.45	90.032	-468.38	2,036.74	1,870.00	1,766.76	103.24	18.113	
11,621.17	9,360.00	11,457.04	9,360.00	54.25	49.84	90.032	-468.32	2,057.91	1,870.00	1,765.99	104.01	17.979	
11,700.00	9,360.00	11,535.87	9,360.00	55.63	51.33	90.032	-468.09	2,136.74	1,870.00	1,763.12	106.88	17.497	
11,721.17	9,360.00	11,557.04	9,360.00	56.00	51.73	90.032	-468.03	2,157.91	1,870.00	1,762.35	107.65	17.371	
11,800.00	9,360.00	11,635.87	9,360.00	57.39	53.23	90.032	-467.80	2,236.74	1,870.00	1,759.45	110.55	16.916	
11,821.17	9,360.00	11,657.04	9,360.00	57.77	53.63	90.032	-467.74	2,257.91	1,870.00	1,758.67	111.33	16.797	
11,900.00	9,360.00	11,735.87	9,360.00	59.18	55.14	90.032	-467.51	2,336.74	1,870.00	1,755.75	114.25	16.368	
11,921.17	9,360.00	11,757.04	9,360.00	59.56	55.55	90.032	-467.44	2,357.91	1,870.00	1,754.96	115.04	16.255	
12,000.00	9,360.00	11,835.87	9,360.00	60.98	57.07	90.032	-467.21	2,436.74	1,870.00	1,752.01	117.98	15.850	
12,021.17	9,360.00	11,857.04	9,360.00	61.37	57.47	90.032	-467.15	2,457.91	1,870.00	1,751.22	118.78	15.744	
12,100.00	9,360.00	11,935.87	9,360.00	62.80	59.00	90.032	-466.92	2,536.74	1,870.00	1,748.26	121.74	15.361	
12,121.17	9,360.00	11,957.04	9,360.00	63.19	59.41	90.032	-466.86	2,557.91	1,870.00	1,747.46	122.54	15.260	
12,200.00	9,360.00	12,035.87	9,360.00	64.64	60.94	90.032	-466.63	2,636.74	1,870.00	1,744.47	125.52	14.898	
12,221.17	9,360.00	12,057.04	9,360.00	65.03	61.36	90.032	-466.57	2,657.91	1,870.00	1,743.67	126.33	14.803	
12,300.00	9,360.00	12,135.87	9,360.00	66.48	62.89	90.032	-466.33	2,736.74	1,870.00	1,740.67	129.33	14.460	
12,321.17	9,360.00	12,157.04	9,360.00	66.88	63.31	90.032	-466.27	2,757.91	1,870.00	1,739.86	130.13	14.370	
12,400.00	9,360.00	12,235.87	9,360.00	68.35	64.85	90.032	-466.04	2,836.74	1,870.00	1,736.85	133.15	14.044	
12,421.17	9,360.00	12,257.04	9,360.00	68.74	65.27	90.032	-465.98	2,857.91	1,870.00	1,736.03	133.96	13.959	
12,500.00	9,360.00	12,335.87	9,360.00	70.22	66.82	90.032	-465.75	2,936.74	1,870.00	1,733.01	136.99	13.651	
12,521.17	9,360.00	12,357.04	9,360.00	70.62	67.24	90.032	-465.69	2,957.91	1,870.00	1,732.19	137.81	13.570	
12,600.00	9,360.00	12,435.87	9,360.00	72.10	68.79	90.032	-465.46	3,036.74	1,870.00	1,729.15	140.85	13.277	
12,621.17	9,360.00	12,457.04	9,360.00	72.50	69.21	90.032	-465.40	3,057.91	1,870.00	1,728.33	141.67	13.200	
12,700.00	9,360.00	12,535.87	9,360.00	74.00	70.77	90.032	-465.16	3,136.74	1,870.00	1,725.27	144.72	12.921	
12,721.17	9,360.00	12,557.04	9,360.00	74.40	71.19	90.032	-465.10	3,157.91	1,870.00	1,724.45	145.55	12.848	
12,800.00	9,360.00	12,635.87	9,360.00	75.90	72.75	90.032	-464.87	3,236.74	1,870.00	1,721.39	148.61	12.583	
12,821.17	9,360.00	12,657.04	9,360.00	76.30	73.17	90.032	-464.81	3,257.91	1,870.00	1,720.56	149.44	12.514	
12,900.00	9,360.00	12,735.87	9,360.00	77.81	74.74	90.032	-464.58	3,336.74	1,870.00	1,717.48	152.51	12.261	
12,921.17	9,360.00	12,757.04	9,360.00	78.22	75.16	90.032	-464.52	3,357.91	1,870.00	1,716.66	153.34	12.195	
13,000.00	9,360.00	12,835.87	9,360.00	79.73	76.73	90.032	-464.29	3,436.74	1,870.00	1,713.57	156.42	11.955	
13,021.17	9,360.00	12,857.04	9,360.00	80.14	77.15	90.032	-464.23	3,457.91	1,870.00	1,712.74	157.26	11.891	
13,100.00	9,360.00	12,935.87	9,360.00	81.66	78.73	90.032	-463.99	3,536.74	1,870.00	1,709.65	160.35	11.662	
13,121.17	9,360.00	12,957.04	9,360.00	82.07	79.15	90.032	-463.93	3,557.91	1,870.00	1,708.81	161.18	11.602	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,200.00	9,360.00	13,035.87	9,360.00	83.59	80.73	90.032	-463.70	3,636.73	1,870.00	1,705.71	164.28	11.383	
13,221.17	9,360.00	13,057.04	9,360.00	84.00	81.15	90.032	-463.64	3,657.91	1,870.00	1,704.88	165.12	11.325	
13,300.00	9,360.00	13,135.87	9,360.00	85.53	82.73	90.032	-463.41	3,736.73	1,870.00	1,701.77	168.23	11.116	
13,321.17	9,360.00	13,157.04	9,360.00	85.94	83.15	90.032	-463.35	3,757.90	1,870.00	1,700.93	169.07	11.061	
13,400.00	9,360.00	13,235.87	9,360.00	87.48	84.74	90.032	-463.12	3,836.73	1,870.00	1,697.81	172.18	10.861	
13,421.17	9,360.00	13,257.04	9,360.00	87.89	85.16	90.032	-463.05	3,857.90	1,870.00	1,696.97	173.02	10.808	
13,500.00	9,360.00	13,335.87	9,360.00	89.43	86.75	90.032	-462.82	3,936.73	1,870.00	1,693.85	176.15	10.616	
13,521.17	9,360.00	13,357.04	9,360.00	89.84	87.17	90.032	-462.76	3,957.90	1,870.00	1,693.01	176.99	10.566	
13,600.00	9,360.00	13,435.87	9,360.00	91.38	88.76	90.032	-462.53	4,036.73	1,870.00	1,689.88	180.12	10.382	
13,621.17	9,360.00	13,457.04	9,360.00	91.80	89.18	90.032	-462.47	4,057.90	1,870.00	1,689.04	180.96	10.334	
13,700.00	9,360.00	13,535.87	9,360.00	93.35	90.77	90.032	-462.24	4,136.73	1,870.00	1,685.90	184.09	10.158	
13,721.17	9,360.00	13,557.04	9,360.00	93.76	91.20	90.032	-462.18	4,157.90	1,870.00	1,685.06	184.94	10.112	
13,800.00	9,360.00	13,635.87	9,360.00	95.31	92.79	90.032	-461.95	4,236.73	1,870.00	1,681.92	188.08	9.943	
13,821.17	9,360.00	13,657.04	9,360.00	95.73	93.22	90.032	-461.88	4,257.90	1,870.00	1,681.07	188.92	9.898	
13,900.00	9,360.00	13,735.87	9,360.00	97.28	94.81	90.032	-461.65	4,336.73	1,870.00	1,677.93	192.07	9.736	
13,921.17	9,360.00	13,757.04	9,360.00	97.70	95.24	90.032	-461.59	4,357.90	1,870.00	1,677.08	192.92	9.693	
14,000.00	9,360.00	13,835.87	9,360.00	99.26	96.83	90.032	-461.36	4,436.73	1,870.00	1,673.93	196.07	9.538	
14,021.17	9,360.00	13,857.04	9,360.00	99.68	97.26	90.032	-461.30	4,457.90	1,870.00	1,673.08	196.91	9.497	
14,100.00	9,360.00	13,935.87	9,360.00	101.24	98.86	90.032	-461.07	4,536.73	1,869.99	1,669.93	200.07	9.347	
14,121.17	9,360.00	13,957.04	9,360.00	101.66	99.28	90.032	-461.01	4,557.90	1,869.99	1,669.08	200.92	9.307	
14,200.00	9,360.00	14,035.87	9,360.00	103.22	100.88	90.032	-460.78	4,636.73	1,869.99	1,665.92	204.08	9.163	
14,221.17	9,360.00	14,057.04	9,360.00	103.64	101.31	90.032	-460.71	4,657.90	1,869.99	1,665.07	204.93	9.125	
14,300.00	9,360.00	14,135.87	9,360.00	105.20	102.91	90.032	-460.48	4,736.73	1,869.99	1,661.90	208.09	8.986	
14,321.17	9,360.00	14,157.04	9,360.00	105.62	103.34	90.032	-460.42	4,757.90	1,869.99	1,661.05	208.94	8.950	
14,400.00	9,360.00	14,235.87	9,360.00	107.19	104.94	90.032	-460.19	4,836.73	1,869.99	1,657.88	212.11	8.816	
14,421.17	9,360.00	14,257.04	9,360.00	107.61	105.37	90.032	-460.13	4,857.90	1,869.99	1,657.03	212.96	8.781	
14,500.00	9,360.00	14,335.87	9,360.00	109.18	106.97	90.032	-459.90	4,936.73	1,869.99	1,653.86	216.13	8.652	
14,521.17	9,360.00	14,357.04	9,360.00	109.61	107.40	90.032	-459.84	4,957.90	1,869.99	1,653.01	216.99	8.618	
14,600.00	9,360.00	14,435.87	9,360.00	111.18	109.00	90.032	-459.61	5,036.73	1,869.99	1,649.83	220.16	8.494	
14,621.17	9,360.00	14,457.04	9,360.00	111.60	109.43	90.032	-459.54	5,057.90	1,869.99	1,648.98	221.01	8.461	
14,700.00	9,360.00	14,535.87	9,360.00	113.17	111.03	90.032	-459.31	5,136.73	1,869.99	1,645.80	224.19	8.341	
14,721.17	9,360.00	14,557.04	9,360.00	113.60	111.47	90.032	-459.25	5,157.90	1,869.99	1,644.95	225.05	8.309	
14,800.00	9,360.00	14,635.87	9,360.00	115.17	113.07	90.032	-459.02	5,236.73	1,869.99	1,641.77	228.23	8.194	
14,821.17	9,360.00	14,657.04	9,360.00	115.60	113.50	90.032	-458.96	5,257.90	1,869.99	1,640.91	229.08	8.163	
14,900.00	9,360.00	14,735.87	9,360.00	117.18	115.11	90.032	-458.73	5,336.73	1,869.99	1,637.73	232.27	8.051	
14,921.17	9,360.00	14,757.04	9,360.00	117.60	115.54	90.032	-458.67	5,357.90	1,869.99	1,636.87	233.12	8.022	
15,000.00	9,360.00	14,835.87	9,360.00	119.18	117.14	90.032	-458.44	5,436.73	1,869.99	1,633.69	236.31	7.913	
15,021.17	9,360.00	14,857.04	9,360.00	119.61	117.57	90.032	-458.37	5,457.90	1,869.99	1,632.83	237.16	7.885	
15,100.00	9,360.00	14,935.87	9,360.00	121.19	119.18	90.032	-458.14	5,536.73	1,869.99	1,629.64	240.35	7.780	
15,121.17	9,360.00	14,957.04	9,360.00	121.61	119.61	90.032	-458.08	5,557.90	1,869.99	1,628.78	241.21	7.753	
15,200.00	9,360.00	15,035.87	9,360.00	123.20	121.22	90.032	-457.85	5,636.73	1,869.99	1,625.59	244.40	7.651	
15,221.17	9,360.00	15,057.04	9,360.00	123.62	121.65	90.032	-457.79	5,657.90	1,869.99	1,624.73	245.26	7.625	
15,300.00	9,360.00	15,135.87	9,360.00	125.21	123.26	90.032	-457.56	5,736.73	1,869.99	1,621.54	248.45	7.526	
15,321.17	9,360.00	15,157.04	9,360.00	125.63	123.69	90.032	-457.50	5,757.90	1,869.99	1,620.68	249.31	7.501	
15,400.00	9,360.00	15,235.87	9,360.00	127.22	125.30	90.032	-457.27	5,836.73	1,869.99	1,617.48	252.51	7.406	
15,421.17	9,360.00	15,257.04	9,360.00	127.65	125.74	90.032	-457.20	5,857.90	1,869.99	1,616.63	253.37	7.381	
15,500.00	9,360.00	15,335.87	9,360.00	129.23	127.35	90.032	-456.97	5,936.73	1,869.99	1,613.43	256.57	7.289	
15,521.17	9,360.00	15,357.04	9,360.00	129.66	127.78	90.032	-456.91	5,957.90	1,869.99	1,612.57	257.43	7.264	
15,600.00	9,360.00	15,435.87	9,360.00	131.25	129.39	90.032	-456.68	6,036.72	1,869.99	1,609.37	260.63	7.175	
15,621.17	9,360.00	15,457.04	9,360.00	131.68	129.82	90.032	-456.62	6,057.89	1,869.99	1,608.51	261.49	7.151	
15,700.00	9,360.00	15,535.87	9,360.00	133.27	131.43	90.032	-456.39	6,136.72	1,869.99	1,605.30	264.69	7.065	
15,721.17	9,360.00	15,557.04	9,360.00	133.70	131.87	90.032	-456.33	6,157.89	1,869.99	1,604.44	265.55	7.042	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
15,800.00	9,360.00	15,635.87	9,360.00	135.29	133.48	90.032	-456.10	6,236.72	1,869.99	1,601.24	268.75	6.958	
15,821.17	9,360.00	15,657.04	9,360.00	135.72	133.91	90.032	-456.03	6,257.89	1,869.99	1,600.38	269.62	6.936	
15,900.00	9,360.00	15,735.87	9,360.00	137.31	135.53	90.032	-455.80	6,336.72	1,869.99	1,597.17	272.82	6.854	
15,921.17	9,360.00	15,757.04	9,360.00	137.74	135.96	90.032	-455.74	6,357.89	1,869.99	1,596.31	273.68	6.833	
16,000.00	9,360.00	15,835.87	9,360.00	139.33	137.57	90.032	-455.51	6,436.72	1,869.99	1,593.10	276.89	6.754	
16,021.17	9,360.00	15,857.04	9,360.00	139.76	138.00	90.032	-455.45	6,457.89	1,869.99	1,592.24	277.75	6.733	
16,100.00	9,360.00	15,935.87	9,360.00	141.35	139.62	90.032	-455.22	6,536.72	1,869.99	1,589.03	280.96	6.656	
16,121.17	9,360.00	15,957.04	9,360.00	141.78	140.05	90.032	-455.16	6,557.89	1,869.99	1,588.17	281.82	6.635	
16,200.00	9,360.00	16,035.87	9,360.00	143.38	141.67	90.032	-454.93	6,636.72	1,869.99	1,584.96	285.04	6.561	
16,221.17	9,360.00	16,057.04	9,360.00	143.81	142.10	90.032	-454.86	6,657.89	1,869.99	1,584.10	285.90	6.541	
16,300.00	9,360.00	16,135.87	9,360.00	145.41	143.72	90.032	-454.63	6,736.72	1,869.99	1,580.88	289.11	6.468	
16,321.17	9,360.00	16,157.04	9,360.00	145.84	144.15	90.032	-454.57	6,757.89	1,869.99	1,580.02	289.97	6.449	
16,400.00	9,360.00	16,235.87	9,360.00	147.43	145.76	90.032	-454.34	6,836.72	1,869.99	1,576.81	293.19	6.378	
16,421.17	9,360.00	16,257.04	9,360.00	147.86	146.20	90.032	-454.28	6,857.89	1,869.99	1,575.94	294.05	6.359	
16,500.00	9,360.00	16,335.87	9,360.00	149.46	147.81	90.032	-454.05	6,936.72	1,869.99	1,572.73	297.27	6.291	
16,521.17	9,360.00	16,357.04	9,360.00	149.89	148.25	90.032	-453.99	6,957.89	1,869.99	1,571.86	298.13	6.272	
16,600.00	9,360.00	16,435.87	9,360.00	151.49	149.86	90.032	-453.76	7,036.72	1,869.99	1,568.65	301.35	6.205	
16,621.17	9,360.00	16,457.04	9,360.00	151.92	150.30	90.032	-453.69	7,057.89	1,869.99	1,567.78	302.21	6.188	
16,700.00	9,360.00	16,535.87	9,360.00	153.52	151.92	90.032	-453.46	7,136.72	1,869.99	1,564.56	305.43	6.123	
16,721.17	9,360.00	16,557.04	9,360.00	153.95	152.35	90.032	-453.40	7,157.89	1,869.99	1,563.70	306.29	6.105	
16,800.00	9,360.00	16,635.87	9,360.00	155.56	153.97	90.032	-453.17	7,236.72	1,869.99	1,560.48	309.51	6.042	
16,821.17	9,360.00	16,657.04	9,360.00	155.99	154.40	90.032	-453.11	7,257.89	1,869.99	1,559.62	310.38	6.025	
16,900.00	9,360.00	16,735.87	9,360.00	157.59	156.02	90.032	-452.88	7,336.72	1,869.99	1,556.40	313.60	5.963	
16,921.17	9,360.00	16,757.04	9,360.00	158.02	156.45	90.032	-452.82	7,357.89	1,869.99	1,555.53	314.46	5.947	
17,000.00	9,360.00	16,835.87	9,360.00	159.62	158.07	90.032	-452.58	7,436.72	1,869.99	1,552.31	317.68	5.886	
17,021.17	9,360.00	16,857.04	9,360.00	160.05	158.51	90.032	-452.52	7,457.89	1,869.99	1,551.44	318.55	5.870	
17,100.00	9,360.00	16,935.87	9,360.00	161.66	160.12	90.032	-452.29	7,536.72	1,869.99	1,548.22	321.77	5.812	
17,121.17	9,360.00	16,957.04	9,360.00	162.09	160.56	90.032	-452.23	7,557.89	1,869.99	1,547.36	322.64	5.796	
17,200.00	9,360.00	17,035.87	9,360.00	163.69	162.18	90.032	-452.00	7,636.72	1,869.99	1,544.13	325.86	5.739	
17,221.17	9,360.00	17,057.04	9,360.00	164.12	162.61	90.032	-451.94	7,657.89	1,869.99	1,543.27	326.73	5.723	
17,300.00	9,360.00	17,135.87	9,360.00	165.73	164.23	90.032	-451.71	7,736.72	1,869.99	1,540.04	329.95	5.667	
17,321.17	9,360.00	17,157.04	9,360.00	166.16	164.67	90.032	-451.65	7,757.89	1,869.99	1,539.18	330.82	5.653	
17,400.00	9,360.00	17,235.87	9,360.00	167.77	166.28	90.032	-451.41	7,836.72	1,869.99	1,535.95	334.04	5.598	
17,421.17	9,360.00	17,257.04	9,360.00	168.20	166.72	90.032	-451.35	7,857.89	1,869.99	1,535.08	334.91	5.584	
17,500.00	9,360.00	17,335.87	9,360.00	169.80	168.34	90.032	-451.12	7,936.72	1,869.99	1,531.86	338.13	5.530	
17,521.17	9,360.00	17,357.04	9,360.00	170.24	168.77	90.032	-451.06	7,957.89	1,869.99	1,530.99	339.00	5.516	
17,600.00	9,360.00	17,435.87	9,360.00	171.84	170.39	90.032	-450.83	8,036.72	1,869.99	1,527.76	342.23	5.464	
17,621.17	9,360.00	17,457.04	9,360.00	172.27	170.83	90.032	-450.77	8,057.89	1,869.99	1,526.90	343.10	5.450	
17,700.00	9,360.00	17,535.87	9,360.00	173.88	172.45	90.032	-450.54	8,136.72	1,869.99	1,523.67	346.32	5.400	
17,721.17	9,360.00	17,557.04	9,360.00	174.31	172.88	90.032	-450.48	8,157.89	1,869.99	1,522.80	347.19	5.386	
17,800.00	9,360.00	17,635.87	9,360.00	175.92	174.50	90.032	-450.24	8,236.72	1,869.99	1,519.57	350.42	5.336	
17,821.17	9,360.00	17,657.04	9,360.00	176.36	174.94	90.032	-450.18	8,257.89	1,869.99	1,518.71	351.29	5.323	
17,900.00	9,360.00	17,735.87	9,360.00	177.96	176.56	90.032	-449.95	8,336.71	1,869.99	1,515.48	354.52	5.275	
17,921.17	9,360.00	17,757.04	9,360.00	178.40	177.00	90.032	-449.89	8,357.89	1,869.99	1,514.61	355.38	5.262	
18,000.00	9,360.00	17,835.87	9,360.00	180.01	178.62	90.032	-449.66	8,436.71	1,869.99	1,511.38	358.61	5.214	
18,021.17	9,360.00	17,857.04	9,360.00	180.44	179.05	90.032	-449.60	8,457.88	1,869.99	1,510.51	359.48	5.202	
18,100.00	9,360.00	17,935.87	9,360.00	182.05	180.67	90.032	-449.37	8,536.71	1,869.99	1,507.28	362.71	5.156	
18,121.17	9,360.00	17,957.04	9,360.00	182.48	181.11	90.032	-449.30	8,557.88	1,869.99	1,506.41	363.58	5.143	
18,200.00	9,360.00	18,035.87	9,360.00	184.09	182.73	90.032	-449.07	8,636.71	1,869.99	1,503.18	366.81	5.098	
18,221.17	9,360.00	18,057.04	9,360.00	184.52	183.16	90.032	-449.01	8,657.88	1,869.99	1,502.31	367.68	5.086	
18,300.00	9,360.00	18,135.87	9,360.00	186.13	184.79	90.032	-448.78	8,736.71	1,869.99	1,499.08	370.91	5.042	
18,321.17	9,360.00	18,157.04	9,360.00	186.57	185.22	90.032	-448.72	8,757.88	1,869.99	1,498.21	371.78	5.030	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,400.00	9,360.00	18,235.87	9,360.00	188.18	186.84	90.032	-448.49	8,836.71	1,869.99	1,494.98	375.02	4.986	
18,421.17	9,360.00	18,257.04	9,360.00	188.61	187.28	90.032	-448.43	8,857.88	1,869.99	1,494.11	375.88	4.975	
18,500.00	9,360.00	18,335.87	9,360.00	190.22	188.90	90.032	-448.20	8,936.71	1,869.99	1,490.87	379.12	4.932	
18,521.17	9,360.00	18,357.04	9,360.00	190.66	189.34	90.032	-448.13	8,957.88	1,869.99	1,490.01	379.99	4.921	
18,600.00	9,360.00	18,435.87	9,360.00	192.27	190.96	90.032	-447.90	9,036.71	1,869.99	1,486.77	383.22	4.880	
18,621.17	9,360.00	18,457.04	9,360.00	192.70	191.40	90.032	-447.84	9,057.88	1,869.99	1,485.90	384.09	4.869	
18,700.00	9,360.00	18,535.87	9,360.00	194.31	193.02	90.032	-447.61	9,136.71	1,869.99	1,482.67	387.33	4.828	
18,721.17	9,360.00	18,557.04	9,360.00	194.75	193.45	90.032	-447.55	9,157.88	1,869.99	1,481.80	388.19	4.817	
18,800.00	9,360.00	18,635.87	9,360.00	196.36	195.08	90.032	-447.32	9,236.71	1,869.99	1,478.56	391.43	4.777	
18,821.17	9,360.00	18,657.04	9,360.00	196.79	195.51	90.032	-447.26	9,257.88	1,869.99	1,477.69	392.30	4.767	
18,900.00	9,360.00	18,735.87	9,360.00	198.41	197.13	90.032	-447.03	9,336.71	1,869.99	1,474.46	395.54	4.728	
18,921.17	9,360.00	18,757.04	9,360.00	198.84	197.57	90.032	-446.96	9,357.88	1,869.99	1,473.59	396.40	4.717	
19,000.00	9,360.00	18,835.87	9,360.00	200.45	199.19	90.032	-446.73	9,436.71	1,869.99	1,470.35	399.64	4.679	
19,021.17	9,360.00	18,857.04	9,360.00	200.89	199.63	90.032	-446.67	9,457.88	1,869.99	1,469.48	400.51	4.669	
19,100.00	9,360.00	18,935.87	9,360.00	202.50	201.25	90.032	-446.44	9,536.71	1,869.99	1,466.24	403.75	4.632	
19,121.17	9,360.00	18,957.04	9,360.00	202.94	201.69	90.032	-446.38	9,557.88	1,869.99	1,465.37	404.62	4.622	
19,200.00	9,360.00	19,035.87	9,360.00	204.55	203.31	90.032	-446.15	9,636.71	1,869.99	1,462.14	407.86	4.585	
19,221.17	9,360.00	19,057.04	9,360.00	204.98	203.75	90.032	-446.09	9,657.88	1,869.99	1,461.27	408.73	4.575	
19,300.00	9,360.00	19,135.87	9,360.00	206.60	205.37	90.032	-445.86	9,736.71	1,869.99	1,458.03	411.96	4.539	
19,321.17	9,360.00	19,157.04	9,360.00	207.03	205.81	90.032	-445.79	9,757.88	1,869.99	1,457.16	412.83	4.530	
19,400.00	9,360.00	19,235.87	9,360.00	208.65	207.43	90.032	-445.56	9,836.71	1,869.99	1,453.92	416.07	4.494	
19,421.17	9,360.00	19,257.04	9,360.00	209.08	207.87	90.032	-445.50	9,857.88	1,869.99	1,453.05	416.94	4.485	
19,500.00	9,360.00	19,335.87	9,360.00	210.70	209.49	90.032	-445.27	9,936.71	1,869.99	1,449.81	420.18	4.450	
19,521.17	9,360.00	19,357.04	9,360.00	211.13	209.93	90.032	-445.21	9,957.88	1,869.99	1,448.94	421.05	4.441	
19,600.00	9,360.00	19,435.87	9,360.00	212.75	211.55	90.032	-444.98	10,036.71	1,869.99	1,445.70	424.29	4.407	
19,621.17	9,360.00	19,457.04	9,360.00	213.18	211.99	90.032	-444.92	10,057.88	1,869.99	1,444.83	425.16	4.398	
19,700.00	9,360.00	19,535.87	9,360.00	214.80	213.61	90.032	-444.69	10,136.71	1,869.99	1,441.59	428.40	4.365	
19,721.17	9,360.00	19,557.04	9,360.00	215.23	214.05	90.032	-444.62	10,157.88	1,869.99	1,440.72	429.27	4.356	
19,800.00	9,360.00	19,635.87	9,360.00	216.85	215.67	90.032	-444.39	10,236.71	1,869.99	1,437.48	432.51	4.324	
19,821.17	9,360.00	19,657.04	9,360.00	217.28	216.11	90.032	-444.33	10,257.88	1,869.99	1,436.61	433.38	4.315	
19,900.00	9,360.00	19,735.87	9,360.00	218.90	217.73	90.032	-444.10	10,336.71	1,869.99	1,433.36	436.63	4.283	
19,921.17	9,360.00	19,757.04	9,360.00	219.33	218.17	90.032	-444.04	10,357.88	1,869.99	1,432.49	437.50	4.274	
20,000.00	9,360.00	19,835.87	9,360.00	220.95	219.79	90.032	-443.81	10,436.71	1,869.99	1,429.25	440.74	4.243	
20,021.17	9,360.00	19,857.04	9,360.00	221.38	220.23	90.032	-443.75	10,457.88	1,869.99	1,428.38	441.61	4.234	
20,100.00	9,360.00	19,935.87	9,360.00	223.00	221.86	90.032	-443.52	10,536.71	1,869.99	1,425.14	444.85	4.204	
20,121.17	9,360.00	19,957.04	9,360.00	223.44	222.29	90.032	-443.45	10,557.88	1,869.99	1,424.27	445.72	4.195	
20,200.00	9,360.00	20,035.87	9,360.00	225.05	223.92	90.032	-443.22	10,636.71	1,869.99	1,421.03	448.96	4.165	
20,221.17	9,360.00	20,057.04	9,360.00	225.49	224.35	90.032	-443.16	10,657.88	1,869.99	1,420.16	449.84	4.157	
20,300.00	9,360.00	20,135.87	9,360.00	227.11	225.98	90.032	-442.93	10,736.70	1,869.99	1,416.91	453.08	4.127	
20,321.17	9,360.00	20,157.04	9,360.00	227.54	226.41	90.032	-442.87	10,757.87	1,869.99	1,416.04	453.95	4.119	
20,400.00	9,360.00	20,235.87	9,360.00	229.16	228.04	90.032	-442.64	10,836.70	1,869.99	1,412.80	457.19	4.090	
20,421.17	9,360.00	20,257.04	9,360.00	229.59	228.48	90.032	-442.58	10,857.87	1,869.99	1,411.93	458.06	4.082	
20,500.00	9,360.00	20,335.87	9,360.00	231.21	230.10	90.032	-442.35	10,936.70	1,869.99	1,408.68	461.31	4.054	
20,521.17	9,360.00	20,357.04	9,360.00	231.65	230.54	90.032	-442.28	10,957.87	1,869.99	1,407.81	462.18	4.046	
20,600.00	9,360.00	20,435.87	9,360.00	233.26	232.16	90.032	-442.05	11,036.70	1,869.99	1,404.57	465.42	4.018	
20,621.17	9,360.00	20,457.04	9,360.00	233.70	232.60	90.032	-441.99	11,057.87	1,869.99	1,403.70	466.29	4.010	
20,700.00	9,360.00	20,535.87	9,360.00	235.32	234.22	90.032	-441.76	11,136.70	1,869.99	1,400.45	469.54	3.983	
20,721.17	9,360.00	20,557.04	9,360.00	235.75	234.66	90.032	-441.70	11,157.87	1,869.99	1,399.58	470.41	3.975	
20,800.00	9,360.00	20,635.87	9,360.00	237.37	236.29	90.032	-441.47	11,236.70	1,869.99	1,396.34	473.65	3.948	
20,821.17	9,360.00	20,657.04	9,360.00	237.81	236.72	90.032	-441.41	11,257.87	1,869.99	1,395.46	474.53	3.941	
20,900.00	9,360.00	20,735.87	9,360.00	239.43	238.35	90.032	-441.18	11,336.70	1,869.99	1,392.22	477.77	3.914	
20,921.17	9,360.00	20,757.04	9,360.00	239.86	238.79	90.032	-441.11	11,357.87	1,869.99	1,391.35	478.64	3.907	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
21,000.00	9,360.00	20,835.87	9,360.00	241.48	240.41	90.032	-440.88	11,436.70	1,869.99	1,388.10	481.89	3.881	
21,021.17	9,360.00	20,857.04	9,360.00	241.91	240.85	90.032	-440.82	11,457.87	1,869.99	1,387.23	482.76	3.874	
21,100.00	9,360.00	20,935.87	9,360.00	243.53	242.47	90.032	-440.59	11,536.70	1,869.99	1,383.99	486.00	3.848	
21,121.17	9,360.00	20,957.04	9,360.00	243.97	242.91	90.032	-440.53	11,557.87	1,869.99	1,383.11	486.88	3.841	
21,200.00	9,360.00	21,035.87	9,360.00	245.59	244.54	90.032	-440.30	11,636.70	1,869.99	1,379.87	490.12	3.815	
21,221.17	9,360.00	21,057.04	9,360.00	246.02	244.97	90.032	-440.24	11,657.87	1,869.99	1,379.00	490.99	3.809	
21,300.00	9,360.00	21,135.87	9,360.00	247.64	246.60	90.032	-440.01	11,736.70	1,869.99	1,375.75	494.24	3.784	
21,321.17	9,360.00	21,157.04	9,360.00	248.08	247.04	90.032	-439.94	11,757.87	1,869.99	1,374.88	495.11	3.777	
21,400.00	9,360.00	21,235.87	9,360.00	249.70	248.66	90.032	-439.71	11,836.70	1,869.99	1,371.63	498.36	3.752	
21,421.17	9,360.00	21,257.04	9,360.00	250.13	249.10	90.032	-439.65	11,857.87	1,869.99	1,370.76	499.23	3.746	
21,500.00	9,360.00	21,335.87	9,360.00	251.76	250.73	90.032	-439.42	11,936.70	1,869.99	1,367.51	502.48	3.722	
21,521.17	9,360.00	21,357.04	9,360.00	252.19	251.16	90.032	-439.36	11,957.87	1,869.99	1,366.64	503.35	3.715	
21,600.00	9,360.00	21,435.87	9,360.00	253.81	252.79	90.032	-439.13	12,036.70	1,869.99	1,363.39	506.60	3.691	
21,621.17	9,360.00	21,457.04	9,360.00	254.25	253.23	90.032	-439.07	12,057.87	1,869.99	1,362.52	507.47	3.685	
21,700.00	9,360.00	21,535.87	9,360.00	255.87	254.85	90.032	-438.83	12,136.70	1,869.99	1,359.27	510.71	3.662	
21,721.17	9,360.00	21,557.04	9,360.00	256.30	255.29	90.032	-438.77	12,157.87	1,869.99	1,358.40	511.59	3.655	
21,800.00	9,360.00	21,635.87	9,360.00	257.92	256.92	90.032	-438.54	12,236.70	1,869.99	1,355.15	514.83	3.632	
21,821.17	9,360.00	21,657.04	9,360.00	258.36	257.35	90.032	-438.48	12,257.87	1,869.99	1,354.28	515.71	3.626	
21,900.00	9,360.00	21,735.87	9,360.00	259.98	258.98	90.032	-438.25	12,336.70	1,869.99	1,351.03	518.95	3.603	
21,921.17	9,360.00	21,757.04	9,360.00	260.42	259.42	90.032	-438.19	12,357.87	1,869.99	1,350.16	519.83	3.597	
22,000.00	9,360.00	21,835.87	9,360.00	262.04	261.04	90.032	-437.96	12,436.70	1,869.99	1,346.91	523.07	3.575	
22,021.17	9,360.00	21,857.04	9,360.00	262.47	261.48	90.032	-437.90	12,457.87	1,869.99	1,346.04	523.95	3.569	
22,100.00	9,360.00	21,935.87	9,360.00	264.09	263.11	90.032	-437.66	12,536.70	1,869.99	1,342.79	527.20	3.547	
22,121.17	9,360.00	21,957.04	9,360.00	264.53	263.54	90.032	-437.60	12,557.87	1,869.99	1,341.92	528.07	3.541	
22,200.00	9,360.00	22,035.87	9,360.00	266.15	265.17	90.032	-437.37	12,636.70	1,869.99	1,338.67	531.32	3.520	
22,221.17	9,360.00	22,057.04	9,360.00	266.59	265.61	90.032	-437.31	12,657.87	1,869.99	1,337.80	532.19	3.514	
22,300.00	9,360.00	22,135.87	9,360.00	268.21	267.23	90.032	-437.08	12,736.70	1,869.99	1,334.55	535.44	3.492	
22,321.17	9,360.00	22,157.04	9,360.00	268.64	267.67	90.032	-437.02	12,757.87	1,869.99	1,333.68	536.31	3.487	
22,400.00	9,360.00	22,235.87	9,360.00	270.27	269.30	90.032	-436.79	12,836.70	1,869.99	1,330.43	539.56	3.466	
22,421.17	9,360.00	22,257.04	9,360.00	270.70	269.73	90.032	-436.72	12,857.87	1,869.99	1,329.56	540.43	3.460	
22,500.00	9,360.00	22,335.87	9,360.00	272.32	271.36	90.032	-436.49	12,936.70	1,869.99	1,326.31	543.68	3.439	
22,521.17	9,360.00	22,357.04	9,360.00	272.76	271.80	90.032	-436.43	12,957.87	1,869.99	1,325.44	544.55	3.434	
22,600.00	9,360.00	22,435.87	9,360.00	274.38	273.43	90.032	-436.20	13,036.69	1,869.99	1,322.19	547.80	3.414	
22,621.17	9,360.00	22,457.04	9,360.00	274.82	273.86	90.032	-436.14	13,057.87	1,869.99	1,321.31	548.68	3.408	
22,700.00	9,360.00	22,535.87	9,360.00	276.44	275.49	90.032	-435.91	13,136.69	1,869.99	1,318.06	551.93	3.388	
22,721.17	9,360.00	22,557.04	9,360.00	276.87	275.93	90.032	-435.85	13,157.86	1,869.99	1,317.19	552.80	3.383	
22,800.00	9,360.00	22,635.87	9,360.00	278.50	277.55	90.032	-435.62	13,236.69	1,869.99	1,313.94	556.05	3.363	
22,821.17	9,360.00	22,657.04	9,360.00	278.93	277.99	90.032	-435.55	13,257.86	1,869.99	1,313.07	556.92	3.358	
22,900.00	9,360.00	22,735.87	9,360.00	280.56	279.62	90.032	-435.32	13,336.69	1,869.99	1,309.82	560.17	3.338	
22,906.08	9,360.00	22,741.95	9,360.00	280.68	279.74	90.032	-435.31	13,342.77	1,869.99	1,309.57	560.42	3.337	
22,928.71	9,360.00	22,764.58	9,360.00	281.15	280.21	90.032	-435.24	13,365.40	1,869.99	1,308.63	561.35	3.331 SF	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	90.057	-0.02	20.00	20.06				
100.00	100.00	98.41	98.41	0.79	0.77	90.057	-0.02	20.00	20.00	18.44	1.56	12.830	
200.00	200.00	198.41	198.41	1.45	1.44	90.057	-0.02	20.00	20.00	17.12	2.88	6.940	
300.00	300.00	298.41	298.41	1.89	1.88	90.057	-0.02	20.00	20.00	16.22	3.78	5.296	
400.00	400.00	398.41	398.41	2.25	2.25	90.057	-0.02	20.00	20.00	15.50	4.50	4.443	
500.00	500.00	498.41	498.41	2.57	2.56	90.057	-0.02	20.00	20.00	14.87	5.13	3.898	
600.00	600.00	598.41	598.41	2.85	2.85	90.057	-0.02	20.00	20.00	14.31	5.69	3.512	
700.00	700.00	698.41	698.41	3.11	3.10	90.057	-0.02	20.00	20.00	13.79	6.21	3.219	
800.00	800.00	798.41	798.41	3.35	3.34	90.057	-0.02	20.00	20.00	13.31	6.69	2.988	
900.00	900.00	898.41	898.41	3.58	3.57	90.057	-0.02	20.00	20.00	12.85	7.15	2.799	
1,000.00	1,000.00	998.41	998.41	3.79	3.79	90.057	-0.02	20.00	20.00	12.42	7.58	2.640	
1,100.00	1,100.00	1,098.41	1,098.41	3.99	3.99	90.057	-0.02	20.00	20.00	12.01	7.99	2.504	
1,200.00	1,200.00	1,198.41	1,198.41	4.19	4.19	90.057	-0.02	20.00	20.00	11.62	8.38	2.387	
1,300.00	1,300.00	1,298.41	1,298.41	4.38	4.38	90.057	-0.02	20.00	20.00	11.24	8.76	2.284	
1,400.00	1,400.00	1,398.41	1,398.41	4.56	4.56	90.057	-0.02	20.00	20.00	10.88	9.12	2.192	
1,500.00	1,500.00	1,498.41	1,498.41	4.74	4.74	90.057	-0.02	20.00	20.00	10.52	9.48	2.111	
1,600.00	1,600.00	1,598.41	1,598.41	4.91	4.91	90.057	-0.02	20.00	20.00	10.18	9.82	2.037	
1,700.00	1,700.00	1,698.41	1,698.41	5.08	5.08	90.057	-0.02	20.00	20.00	9.84	10.16	1.969 Level 3	
1,800.00	1,800.00	1,798.41	1,798.41	5.24	5.24	90.057	-0.02	20.00	20.00	9.52	10.48	1.908 Level 3	
1,900.00	1,900.00	1,898.41	1,898.41	5.40	5.40	90.057	-0.02	20.00	20.00	9.20	10.80	1.851 Level 3	
2,000.00	2,000.00	1,998.41	1,998.41	5.56	5.56	90.057	-0.02	20.00	20.00	8.89	11.11	1.799 Level 3, CC, ES	
2,100.00	2,099.98	2,098.39	2,098.39	5.80	5.71	105.718	-0.02	20.00	20.40	8.98	11.43	1.785 Level 3, SF	
2,200.00	2,199.84	2,198.25	2,198.25	6.05	5.86	118.667	-0.02	20.00	22.39	10.63	11.76	1.904 Level 3	
2,300.00	2,299.45	2,297.86	2,297.86	6.31	6.01	134.608	-0.02	20.00	27.66	15.50	12.16	2.274	
2,400.00	2,398.70	2,397.11	2,397.11	6.59	6.15	147.941	-0.02	20.00	37.26	24.64	12.62	2.953	
2,500.00	2,497.47	2,495.88	2,495.88	6.89	6.29	157.143	-0.02	20.00	51.22	38.13	13.10	3.912	
2,600.00	2,595.62	2,596.29	2,596.27	7.21	6.51	163.540	1.26	19.01	67.68	54.03	13.65	4.958	
2,700.00	2,693.06	2,697.23	2,697.08	7.54	6.73	168.542	5.34	15.84	84.66	70.44	14.22	5.953	
2,800.00	2,789.64	2,798.46	2,797.92	7.90	6.95	172.795	12.26	10.49	102.18	87.39	14.78	6.912	
2,900.00	2,885.35	2,896.31	2,895.26	8.18	7.25	176.121	20.19	4.34	121.75	106.38	15.37	7.921	
3,000.00	2,980.88	2,994.04	2,992.47	8.51	7.44	178.549	28.11	-1.80	142.23	126.33	15.90	8.947	
3,100.00	3,076.41	3,091.77	3,089.68	8.85	7.65	-179.636	36.03	-7.94	162.89	146.45	16.44	9.906	
3,200.00	3,171.93	3,189.49	3,186.89	9.22	7.87	-178.229	43.95	-14.08	183.68	166.67	17.01	10.797	
3,300.00	3,267.46	3,287.22	3,284.11	9.59	8.11	-177.109	51.88	-20.22	204.55	186.95	17.60	11.621	
3,400.00	3,362.99	3,384.95	3,381.32	9.98	8.35	-176.196	59.80	-26.36	225.48	207.27	18.21	12.382	
3,500.00	3,458.52	3,482.68	3,478.53	10.38	8.61	-175.438	67.72	-32.50	246.45	227.62	18.83	13.085	
3,600.00	3,554.04	3,580.40	3,575.74	10.79	8.88	-174.799	75.64	-38.64	267.47	247.99	19.48	13.734	
3,700.00	3,649.57	3,678.13	3,672.95	11.20	9.15	-174.253	83.56	-44.78	288.50	268.37	20.13	14.332	
3,800.00	3,745.10	3,775.86	3,770.17	11.63	9.44	-173.781	91.49	-50.92	309.56	288.77	20.80	14.886	
3,900.00	3,840.62	3,873.59	3,867.38	12.06	9.73	-173.370	99.41	-57.05	330.64	309.17	21.47	15.397	
4,000.00	3,936.15	3,971.32	3,964.59	12.50	10.03	-173.007	107.33	-63.19	351.73	329.57	22.16	15.871	
4,100.00	4,031.68	4,069.04	4,061.80	12.94	10.34	-172.686	115.25	-69.33	372.84	349.98	22.86	16.309	
4,200.00	4,127.21	4,166.77	4,159.02	13.38	10.65	-172.399	123.17	-75.47	393.95	370.38	23.57	16.717	
4,300.00	4,222.73	4,264.50	4,256.23	13.84	10.97	-172.141	131.10	-81.61	415.07	390.79	24.28	17.095	
4,400.00	4,318.26	4,362.23	4,353.44	14.29	11.29	-171.909	139.02	-87.75	436.20	411.20	25.00	17.447	
4,500.00	4,413.79	4,459.95	4,450.65	14.75	11.61	-171.697	146.94	-93.89	457.34	431.61	25.73	17.775	
4,600.00	4,509.32	4,557.68	4,547.87	15.21	11.95	-171.505	154.86	-100.03	478.48	452.01	26.46	18.081	
4,700.00	4,604.84	4,655.41	4,645.08	15.68	12.28	-171.328	162.78	-106.17	499.62	472.42	27.20	18.368	
4,800.00	4,700.37	4,753.14	4,742.29	16.15	12.62	-171.166	170.71	-112.31	520.77	492.83	27.95	18.635	
4,900.00	4,795.90	4,850.86	4,839.50	16.62	12.96	-171.017	178.63	-118.45	541.93	513.23	28.69	18.886	
5,000.00	4,891.42	4,948.59	4,936.72	17.09	13.30	-170.879	186.55	-124.59	563.08	533.63	29.45	19.122	
5,100.00	4,986.95	5,046.32	5,033.93	17.57	13.65	-170.751	194.47	-130.73	584.24	554.04	30.20	19.343	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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	5,082.48	5,144.05	5,131.14	18.05	14.00	-170.632	202.40	-136.87	605.40	574.44	30.96	19.551	
5,300.00	5,178.01	5,241.78	5,228.35	18.53	14.35	-170.521	210.32	-143.01	626.57	594.84	31.73	19.747	
5,400.00	5,273.53	5,339.50	5,325.57	19.01	14.70	-170.417	218.24	-149.15	647.74	615.24	32.50	19.932	
5,500.00	5,369.06	5,437.23	5,422.78	19.49	15.06	-170.320	226.16	-155.29	668.90	635.64	33.27	20.107	
5,600.00	5,464.59	5,534.96	5,519.99	19.98	15.42	-170.228	234.08	-161.42	690.07	656.03	34.04	20.272	
5,700.00	5,560.11	5,632.69	5,617.20	20.46	15.78	-170.142	242.01	-167.56	711.25	676.43	34.82	20.429	
5,800.00	5,655.64	5,730.41	5,714.42	20.95	16.14	-170.061	249.93	-173.70	732.42	696.82	35.59	20.577	
5,900.00	5,751.17	5,828.14	5,811.63	21.44	16.50	-169.985	257.85	-179.84	753.59	717.22	36.38	20.717	
6,000.00	5,846.70	5,925.87	5,908.84	21.93	16.86	-169.913	265.77	-185.98	774.77	737.61	37.16	20.851	
6,100.00	5,942.22	6,023.60	6,006.05	22.42	17.23	-169.845	273.69	-192.12	795.95	758.00	37.94	20.978	
6,200.00	6,037.75	6,121.32	6,103.26	22.91	17.60	-169.780	281.62	-198.26	817.12	778.39	38.73	21.098	
6,300.00	6,133.28	6,219.05	6,200.48	23.40	17.96	-169.718	289.54	-204.40	838.30	798.79	39.52	21.213	
6,400.00	6,228.81	6,316.78	6,297.69	23.90	18.33	-169.660	297.46	-210.54	859.48	819.17	40.31	21.323	
6,500.00	6,324.33	6,414.51	6,394.90	24.39	18.70	-169.604	305.38	-216.68	880.66	839.56	41.10	21.428	
6,600.00	6,419.86	6,512.24	6,492.11	24.89	19.07	-169.551	313.30	-222.82	901.84	859.95	41.89	21.527	
6,700.00	6,515.60	6,610.11	6,589.48	25.37	19.45	-169.540	321.24	-228.97	922.31	879.63	42.67	21.613	
6,800.00	6,612.24	6,708.59	6,687.43	25.87	19.82	-169.510	329.22	-235.15	939.60	896.13	43.47	21.617	
6,900.00	6,709.71	6,807.59	6,785.91	26.36	20.20	-169.432	337.25	-241.37	953.50	909.26	44.24	21.553	
7,000.00	6,807.91	6,900.00	6,877.84	26.83	20.54	-169.322	344.67	-247.13	964.10	919.18	44.92	21.462	
7,100.00	6,906.70	6,979.47	6,957.04	27.29	20.85	-169.257	349.77	-251.08	972.91	927.41	45.50	21.384	
7,200.00	7,005.97	7,057.97	7,035.43	27.72	21.12	-169.238	353.10	-253.66	980.46	934.46	46.01	21.311	
7,300.00	7,105.61	7,136.44	7,113.87	28.11	21.32	-169.260	354.73	-254.93	986.76	940.35	46.41	21.262	
7,400.00	7,205.47	7,226.45	7,203.88	28.47	21.39	-169.318	354.91	-255.07	991.49	944.73	46.75	21.206	
7,500.00	7,305.46	7,326.43	7,303.87	28.62	21.45	-179.808	354.91	-255.07	993.02	946.05	46.97	21.139	
7,600.00	7,405.46	7,426.43	7,403.87	28.70	21.50	-179.808	354.91	-255.07	993.02	945.91	47.11	21.077	
7,700.00	7,505.46	7,526.43	7,503.87	28.74	21.55	-179.808	354.91	-255.07	993.02	945.80	47.22	21.030	
7,800.00	7,605.46	7,626.43	7,603.87	28.78	21.61	-179.808	354.91	-255.07	993.02	945.70	47.33	20.983	
7,900.00	7,705.46	7,726.43	7,703.87	28.82	21.66	-179.808	354.91	-255.07	993.02	945.59	47.43	20.936	
8,000.00	7,805.46	7,826.43	7,803.87	28.87	21.71	-179.808	354.91	-255.07	993.02	945.48	47.54	20.889	
8,100.00	7,905.46	7,926.43	7,903.87	28.91	21.77	-179.808	354.91	-255.07	993.02	945.38	47.64	20.842	
8,200.00	8,005.46	8,026.43	8,003.87	28.95	21.82	-179.808	354.91	-255.07	993.02	945.27	47.75	20.796	
8,300.00	8,105.46	8,126.43	8,103.87	29.00	21.88	-179.808	354.91	-255.07	993.02	945.16	47.86	20.749	
8,400.00	8,205.46	8,226.43	8,203.87	29.04	21.93	-179.808	354.91	-255.07	993.02	945.06	47.97	20.703	
8,500.00	8,305.46	8,326.43	8,303.87	29.08	21.99	-179.808	354.91	-255.07	993.02	944.95	48.07	20.656	
8,600.00	8,405.46	8,426.43	8,403.87	29.12	22.04	-179.808	354.91	-255.07	993.02	944.84	48.18	20.610	
8,700.00	8,505.46	8,526.43	8,503.87	29.17	22.10	-179.808	354.91	-255.07	993.02	944.73	48.29	20.564	
8,800.00	8,605.46	8,626.43	8,603.87	29.21	22.15	-179.808	354.91	-255.07	993.02	944.62	48.40	20.517	
8,900.00	8,705.46	8,726.43	8,703.87	29.26	22.21	-179.808	354.91	-255.07	993.02	944.51	48.51	20.471	
8,903.61	8,709.07	8,730.05	8,707.48	29.26	22.21	93.978	354.91	-255.07	993.02	944.51	48.51	20.470	
9,000.00	8,805.45	8,826.43	8,803.86	29.29	22.27	93.993	354.91	-255.07	993.04	944.44	48.61	20.430	
9,100.00	8,904.61	8,925.59	8,903.02	29.27	22.32	94.580	354.91	-255.07	993.94	945.36	48.58	20.459	
9,200.00	9,000.20	9,021.18	8,998.61	29.26	22.38	95.886	354.91	-255.07	996.72	948.33	48.39	20.599	
9,300.00	9,089.32	9,110.30	9,087.73	29.27	22.43	97.577	354.91	-255.07	1,002.70	954.67	48.03	20.876	
9,400.00	9,169.25	9,190.22	9,167.66	29.32	22.47	99.184	354.91	-255.07	1,013.69	966.17	47.52	21.330	
9,500.00	9,237.56	9,258.54	9,235.97	29.44	22.51	100.178	354.91	-255.07	1,031.60	984.71	46.89	22.001	
9,600.00	9,292.19	9,313.17	9,290.60	29.66	22.54	100.035	354.91	-255.07	1,057.98	1,011.82	46.16	22.920	
9,700.00	9,331.47	9,352.44	9,329.88	30.00	22.56	98.292	354.91	-255.07	1,093.61	1,048.22	45.38	24.096	
9,800.00	9,354.20	9,375.18	9,352.61	30.47	22.58	94.591	354.91	-255.07	1,138.22	1,093.62	44.60	25.519	
9,900.00	9,360.00	9,380.98	9,358.41	31.06	22.58	90.000	354.91	-255.07	1,190.45	1,146.61	43.84	27.155	
10,000.00	9,360.00	9,380.98	9,358.41	31.80	22.58	90.000	354.91	-255.07	1,246.78	1,203.60	43.17	28.878	
10,100.00	9,360.00	9,380.98	9,358.41	32.64	22.58	90.000	354.91	-255.07	1,305.65	1,263.05	42.60	30.647	
10,200.00	9,360.00	10,841.04	10,175.00	33.59	26.50	128.138	357.52	634.32	1,322.28	1,261.03	61.25	21.587	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2												Offset Site Error:	0.00 usft								
Survey Program:		0-MWD+IFR1		Reference		Offset	Semi Major Axis		Highside	Offset Wellbore Centre		Rule Assigned:		Distance	Between	Between	Minimum	Separation	Warning	Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor										
10,221.13	9,360.00	10,862.17	10,175.00	33.81	26.75	128.138	357.58	655.45	1,322.28	1,260.59	61.69	21.434									
10,300.00	9,360.00	10,941.04	10,175.00	34.63	27.74	128.138	357.81	734.32	1,322.28	1,258.92	63.36	20.870									
10,321.13	9,360.00	10,962.17	10,175.00	34.87	28.02	128.138	357.87	755.45	1,322.28	1,258.46	63.82	20.718									
10,400.00	9,360.00	11,041.04	10,175.00	35.76	29.09	128.138	358.10	834.32	1,322.28	1,256.70	65.57	20.165									
10,421.13	9,360.00	11,062.17	10,175.00	36.02	29.38	128.138	358.16	855.45	1,322.28	1,256.22	66.06	20.017									
10,500.00	9,360.00	11,141.04	10,175.00	36.98	30.52	128.138	358.39	934.32	1,322.28	1,254.39	67.89	19.477									
10,521.13	9,360.00	11,162.17	10,175.00	37.25	30.83	128.138	358.45	955.45	1,322.28	1,253.89	68.39	19.334									
10,600.00	9,360.00	11,241.04	10,175.00	38.27	32.03	128.138	358.69	1,034.32	1,322.28	1,251.99	70.29	18.812									
10,621.13	9,360.00	11,262.17	10,175.00	38.55	32.36	128.138	358.75	1,055.45	1,322.28	1,251.47	70.81	18.673									
10,700.00	9,360.00	11,341.04	10,175.00	39.62	33.60	128.138	358.98	1,134.32	1,322.28	1,249.50	72.77	18.170									
10,721.13	9,360.00	11,362.17	10,175.00	39.92	33.94	128.138	359.04	1,155.45	1,322.28	1,248.97	73.31	18.037									
10,800.00	9,360.00	11,441.04	10,175.00	41.03	35.23	128.138	359.27	1,234.32	1,322.28	1,246.95	75.33	17.553									
10,821.13	9,360.00	11,462.17	10,175.00	41.34	35.58	128.138	359.33	1,255.45	1,322.28	1,246.40	75.88	17.426									
10,900.00	9,360.00	11,541.04	10,175.00	42.50	36.91	128.138	359.56	1,334.32	1,322.28	1,244.33	77.95	16.963									
10,921.13	9,360.00	11,562.17	10,175.00	42.82	37.27	128.138	359.63	1,355.45	1,322.28	1,243.76	78.51	16.842									
11,000.00	9,360.00	11,641.04	10,175.00	44.01	38.63	128.138	359.86	1,434.32	1,322.28	1,241.65	80.63	16.400									
11,021.13	9,360.00	11,662.17	10,175.00	44.34	38.99	128.138	359.92	1,455.45	1,322.28	1,241.08	81.20	16.284									
11,100.00	9,360.00	11,741.04	10,175.00	45.57	40.38	128.138	360.15	1,534.32	1,322.28	1,238.92	83.36	15.862									
11,121.13	9,360.00	11,762.17	10,175.00	45.91	40.75	128.138	360.21	1,555.45	1,322.28	1,238.33	83.94	15.752									
11,200.00	9,360.00	11,841.04	10,175.00	47.17	42.16	128.138	360.44	1,634.31	1,322.28	1,236.14	86.14	15.351									
11,221.13	9,360.00	11,862.17	10,175.00	47.51	42.54	128.138	360.50	1,655.45	1,322.28	1,235.55	86.73	15.246									
11,300.00	9,360.00	11,941.04	10,175.00	48.80	43.97	128.138	360.73	1,734.31	1,322.28	1,233.32	88.96	14.864									
11,321.13	9,360.00	11,962.17	10,175.00	49.15	44.36	128.138	360.80	1,755.45	1,322.28	1,232.72	89.56	14.764									
11,400.00	9,360.00	12,041.04	10,175.00	50.47	45.80	128.138	361.03	1,834.31	1,322.28	1,230.46	91.82	14.401									
11,421.13	9,360.00	12,062.17	10,175.00	50.83	46.19	128.138	361.09	1,855.45	1,322.28	1,229.85	92.43	14.306									
11,500.00	9,360.00	12,141.04	10,175.00	52.16	47.66	128.138	361.32	1,934.31	1,322.28	1,227.56	94.72	13.960									
11,521.13	9,360.00	12,162.17	10,175.00	52.52	48.05	128.138	361.38	1,955.45	1,322.28	1,226.94	95.33	13.870									
11,600.00	9,360.00	12,241.04	10,175.00	53.88	49.53	128.138	361.61	2,034.31	1,322.28	1,224.63	97.65	13.542									
11,621.13	9,360.00	12,262.17	10,175.00	54.25	49.92	128.138	361.67	2,055.45	1,322.28	1,224.01	98.27	13.456									
11,700.00	9,360.00	12,341.04	10,175.00	55.63	51.41	128.138	361.90	2,134.31	1,322.28	1,221.67	100.60	13.143									
11,721.13	9,360.00	12,362.17	10,175.00	56.00	51.81	128.138	361.97	2,155.45	1,322.28	1,221.04	101.23	13.062									
11,800.00	9,360.00	12,441.04	10,175.00	57.39	53.31	128.138	362.20	2,234.31	1,322.28	1,218.69	103.59	12.765									
11,821.13	9,360.00	12,462.17	10,175.00	57.77	53.72	128.138	362.26	2,255.44	1,322.28	1,218.05	104.22	12.687									
11,900.00	9,360.00	12,541.04	10,175.00	59.18	55.23	128.138	362.49	2,334.31	1,322.28	1,215.68	106.60	12.404									
11,921.13	9,360.00	12,562.17	10,175.00	59.56	55.63	128.138	362.55	2,355.44	1,322.28	1,215.04	107.24	12.330									
12,000.00	9,360.00	12,641.04	10,175.00	60.98	57.15	128.138	362.78	2,434.31	1,322.28	1,212.64	109.63	12.061									
12,021.13	9,360.00	12,662.17	10,175.00	61.37	57.56	128.138	362.84	2,455.44	1,322.28	1,212.00	110.28	11.990									
12,100.00	9,360.00	12,741.04	10,175.00	62.80	59.09	128.138	363.07	2,534.31	1,322.28	1,209.59	112.69	11.734									
12,121.13	9,360.00	12,762.17	10,175.00	63.19	59.50	128.138	363.14	2,555.44	1,322.28	1,208.94	113.34	11.667									
12,200.00	9,360.00	12,841.04	10,175.00	64.64	61.03	128.138	363.37	2,634.31	1,322.28	1,206.52	115.76	11.422									
12,221.13	9,360.00	12,862.17	10,175.00	65.03	61.44	128.138	363.43	2,655.44	1,322.28	1,205.86	116.41	11.358									
12,300.00	9,360.00	12,941.04	10,175.00	66.48	62.98	128.138	363.66	2,734.31	1,322.28	1,203.42	118.85	11.125									
12,321.13	9,360.00	12,962.17	10,175.00	66.88	63.39	128.138	363.72	2,755.44	1,322.28	1,202.77	119.51	11.064									
12,400.00	9,360.00	13,041.04	10,175.00	68.35	64.94	128.138	363.95	2,834.31	1,322.28	1,200.32	121.96	10.842									
12,421.13	9,360.00	13,062.17	10,175.00	68.74	65.36	128.138	364.01	2,855.44	1,322.28	1,199.66	122.62	10.784									
12,500.00	9,360.00	13,141.04	10,175.00	70.22	66.91	128.138	364.24	2,934.31	1,322.28	1,197.19	125.08	10.571									
12,521.13	9,360.00	13,162.17	10,175.00	70.62	67.32	128.138	364.31	2,955.44	1,322.28	1,196.53	125.75	10.515									
12,600.00	9,360.00	13,241.04	10,175.00	72.10	68.88	128.138	364.54	3,034.31	1,322.28	1,194.06	128.22	10.312									
12,621.13	9,360.00	13,262.17	10,175.00	72.50	69.30	128.138	364.60	3,055.44	1,322.28	1,193.39	128.89	10.259									
12,700.00	9,360.00	13,341.04	10,175.00	74.00	70.86	128.138	364.83	3,134.31	1,322.28	1,190.91	131.37	10.065									
12,721.13	9,360.00	13,362.17	10,175.00	74.40	71.28	128.138	364.89	3,155.44	1,322.28	1,190.24	132.04	10.014									
12,800.00	9,360.00	13,441.04	10,175.00	75.90	72.84	128.138	365.12	3,234.31	1,322.28	1,187.74	134.53	9.829									

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,821.13	9,360.00	13,462.17	10,175.00	76.30	73.26	128.138	365.18	3,255.44	1,322.28	1,187.07	135.20	9.780	
12,900.00	9,360.00	13,541.04	10,175.00	77.81	74.83	128.138	365.41	3,334.31	1,322.28	1,184.57	137.71	9.602	
12,921.13	9,360.00	13,562.17	10,175.00	78.22	75.25	128.138	365.48	3,355.44	1,322.28	1,183.90	138.38	9.555	
13,000.00	9,360.00	13,641.04	10,175.00	79.73	76.82	128.138	365.71	3,434.31	1,322.28	1,181.38	140.89	9.385	
13,021.13	9,360.00	13,662.17	10,175.00	80.14	77.24	128.138	365.77	3,455.44	1,322.28	1,180.71	141.57	9.340	
13,100.00	9,360.00	13,741.04	10,175.00	81.66	78.82	128.138	366.00	3,534.31	1,322.28	1,178.19	144.09	9.177	
13,121.13	9,360.00	13,762.17	10,175.00	82.07	79.24	128.138	366.06	3,555.44	1,322.28	1,177.51	144.76	9.134	
13,200.00	9,360.00	13,841.04	10,175.00	83.59	80.82	128.138	366.29	3,634.31	1,322.28	1,174.99	147.29	8.977	
13,221.13	9,360.00	13,862.17	10,175.00	84.00	81.24	128.138	366.35	3,655.44	1,322.28	1,174.31	147.97	8.936	
13,300.00	9,360.00	13,941.04	10,175.00	85.53	82.82	128.138	366.58	3,734.31	1,322.28	1,171.77	150.50	8.786	
13,321.13	9,360.00	13,962.17	10,175.00	85.94	83.24	128.138	366.65	3,755.44	1,322.28	1,171.09	151.18	8.746	
13,400.00	9,360.00	14,041.04	10,175.00	87.48	84.83	128.138	366.88	3,834.31	1,322.28	1,168.55	153.72	8.602	
13,421.13	9,360.00	14,062.17	10,175.00	87.89	85.25	128.138	366.94	3,855.44	1,322.28	1,167.87	154.41	8.564	
13,500.00	9,360.00	14,141.04	10,175.00	89.43	86.84	128.138	367.17	3,934.30	1,322.28	1,165.32	156.95	8.425	
13,521.13	9,360.00	14,162.17	10,175.00	89.84	87.26	128.138	367.23	3,955.44	1,322.28	1,164.64	157.64	8.388	
13,600.00	9,360.00	14,241.04	10,175.00	91.38	88.85	128.138	367.46	4,034.30	1,322.28	1,162.09	160.19	8.254	
13,621.13	9,360.00	14,262.17	10,175.00	91.80	89.28	128.138	367.52	4,055.44	1,322.28	1,161.40	160.87	8.219	
13,700.00	9,360.00	14,341.04	10,175.00	93.35	90.87	128.138	367.75	4,134.30	1,322.28	1,158.85	163.43	8.091	
13,721.13	9,360.00	14,362.17	10,175.00	93.76	91.29	128.138	367.82	4,155.44	1,322.28	1,158.16	164.12	8.057	
13,800.00	9,360.00	14,441.04	10,175.00	95.31	92.88	128.138	368.05	4,234.30	1,322.28	1,155.60	166.68	7.933	
13,821.13	9,360.00	14,462.17	10,175.00	95.73	93.31	128.138	368.11	4,255.44	1,322.28	1,154.91	167.37	7.900	
13,900.00	9,360.00	14,541.04	10,175.00	97.28	94.90	128.138	368.34	4,334.30	1,322.28	1,152.34	169.94	7.781	
13,921.13	9,360.00	14,562.17	10,175.00	97.70	95.33	128.138	368.40	4,355.44	1,322.28	1,151.65	170.62	7.750	
14,000.00	9,360.00	14,641.04	10,175.00	99.26	96.92	128.138	368.63	4,434.30	1,322.28	1,149.08	173.20	7.635	
14,021.13	9,360.00	14,662.17	10,175.00	99.68	97.35	128.138	368.69	4,455.44	1,322.28	1,148.39	173.89	7.604	
14,100.00	9,360.00	14,741.04	10,175.00	101.24	98.95	128.138	368.92	4,534.30	1,322.28	1,145.82	176.46	7.493	
14,121.13	9,360.00	14,762.17	10,175.00	101.65	99.38	128.138	368.99	4,555.43	1,322.28	1,145.12	177.15	7.464	
14,200.00	9,360.00	14,841.04	10,175.00	103.22	100.97	128.138	369.22	4,634.30	1,322.28	1,142.54	179.73	7.357	
14,221.13	9,360.00	14,862.17	10,175.00	103.64	101.40	128.138	369.28	4,655.43	1,322.28	1,141.85	180.42	7.329	
14,300.00	9,360.00	14,941.04	10,175.00	105.20	103.00	128.138	369.51	4,734.30	1,322.28	1,139.27	183.01	7.225	
14,321.13	9,360.00	14,962.17	10,175.00	105.62	103.43	128.138	369.57	4,755.43	1,322.28	1,138.58	183.70	7.198	
14,400.00	9,360.00	15,041.04	10,175.00	107.19	105.03	128.138	369.80	4,834.30	1,322.28	1,135.99	186.29	7.098	
14,421.13	9,360.00	15,062.17	10,175.00	107.61	105.46	128.138	369.86	4,855.43	1,322.28	1,135.29	186.98	7.072	
14,500.00	9,360.00	15,141.04	10,175.00	109.18	107.06	128.138	370.09	4,934.30	1,322.28	1,132.70	189.57	6.975	
14,521.13	9,360.00	15,162.17	10,175.00	109.60	107.49	128.138	370.16	4,955.43	1,322.28	1,132.01	190.27	6.950	
14,600.00	9,360.00	15,241.04	10,175.00	111.18	109.10	128.138	370.39	5,034.30	1,322.28	1,129.41	192.86	6.856	
14,621.13	9,360.00	15,262.17	10,175.00	111.60	109.52	128.138	370.45	5,055.43	1,322.28	1,128.72	193.56	6.831	
14,700.00	9,360.00	15,341.04	10,175.00	113.17	111.13	128.138	370.68	5,134.30	1,322.28	1,126.12	196.15	6.741	
14,721.13	9,360.00	15,362.17	10,175.00	113.60	111.56	128.138	370.74	5,155.43	1,322.28	1,125.43	196.85	6.717	
14,800.00	9,360.00	15,441.04	10,175.00	115.17	113.16	128.138	370.97	5,234.30	1,322.28	1,122.83	199.45	6.630	
14,821.13	9,360.00	15,462.17	10,175.00	115.60	113.59	128.138	371.03	5,255.43	1,322.28	1,122.13	200.15	6.606	
14,900.00	9,360.00	15,541.04	10,175.00	117.18	115.20	128.138	371.26	5,334.30	1,322.28	1,119.53	202.75	6.522	
14,921.13	9,360.00	15,562.17	10,175.00	117.60	115.63	128.138	371.33	5,355.43	1,322.28	1,118.83	203.45	6.499	
15,000.00	9,360.00	15,641.04	10,175.00	119.18	117.24	128.138	371.56	5,434.30	1,322.28	1,116.22	206.05	6.417	
15,021.13	9,360.00	15,662.17	10,175.00	119.61	117.67	128.138	371.62	5,455.43	1,322.28	1,115.52	206.75	6.395	
15,100.00	9,360.00	15,741.04	10,175.00	121.19	119.28	128.138	371.85	5,534.30	1,322.28	1,112.92	209.36	6.316	
15,121.13	9,360.00	15,762.17	10,175.00	121.61	119.71	128.138	371.91	5,555.43	1,322.28	1,112.22	210.06	6.295	
15,200.00	9,360.00	15,841.04	10,175.00	123.20	121.32	128.138	372.14	5,634.30	1,322.28	1,109.61	212.67	6.218	
15,221.13	9,360.00	15,862.17	10,175.00	123.62	121.75	128.138	372.20	5,655.43	1,322.28	1,108.91	213.37	6.197	
15,300.00	9,360.00	15,941.04	10,175.00	125.21	123.36	128.138	372.43	5,734.30	1,322.28	1,106.29	215.98	6.122	
15,321.13	9,360.00	15,962.17	10,175.00	125.63	123.79	128.138	372.50	5,755.43	1,322.28	1,105.59	216.68	6.102	
15,400.00	9,360.00	16,041.04	10,175.00	127.22	125.40	128.138	372.73	5,834.30	1,322.28	1,102.98	219.30	6.030	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1						Rule Assigned:				Offset Well Error:	0.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
15,421.13	9,360.00	16,062.17	10,175.00	127.65	125.83	128.138	372.79	5,855.43	1,322.28	1,102.28	220.00	6.010		
15,500.00	9,360.00	16,141.04	10,175.00	129.23	127.44	128.138	373.02	5,934.30	1,322.28	1,099.66	222.62	5.940		
15,521.13	9,360.00	16,162.17	10,175.00	129.66	127.87	128.138	373.08	5,955.43	1,322.28	1,098.96	223.32	5.921		
15,600.00	9,360.00	16,241.04	10,175.00	131.25	129.49	128.138	373.31	6,034.30	1,322.28	1,096.34	225.94	5.852		
15,621.13	9,360.00	16,262.17	10,175.00	131.68	129.92	128.138	373.37	6,055.43	1,322.28	1,095.64	226.64	5.834		
15,700.00	9,360.00	16,341.04	10,175.00	133.27	131.53	128.138	373.60	6,134.30	1,322.28	1,093.02	229.26	5.768		
15,721.13	9,360.00	16,362.17	10,175.00	133.70	131.96	128.138	373.67	6,155.43	1,322.28	1,092.32	229.96	5.750		
15,800.00	9,360.00	16,441.04	10,175.00	135.29	133.57	128.138	373.90	6,234.30	1,322.28	1,089.69	232.58	5.685		
15,821.13	9,360.00	16,462.17	10,175.00	135.72	134.01	128.138	373.96	6,255.43	1,322.28	1,088.99	233.29	5.668		
15,900.00	9,360.00	16,541.04	10,175.00	137.31	135.62	128.138	374.19	6,334.29	1,322.28	1,086.37	235.91	5.605		
15,921.13	9,360.00	16,562.17	10,175.00	137.74	136.05	128.138	374.25	6,355.43	1,322.28	1,085.66	236.61	5.588		
16,000.00	9,360.00	16,641.04	10,175.00	139.33	137.67	128.138	374.48	6,434.29	1,322.28	1,083.04	239.24	5.527		
16,021.13	9,360.00	16,662.17	10,175.00	139.76	138.10	128.138	374.54	6,455.43	1,322.28	1,082.33	239.94	5.511		
16,100.00	9,360.00	16,741.04	10,175.00	141.35	139.71	128.138	374.77	6,534.29	1,322.28	1,079.70	242.57	5.451		
16,121.13	9,360.00	16,762.17	10,175.00	141.78	140.15	128.138	374.84	6,555.43	1,322.28	1,079.00	243.28	5.435		
16,200.00	9,360.00	16,841.04	10,175.00	143.38	141.76	128.138	375.07	6,634.29	1,322.28	1,076.37	245.91	5.377		
16,221.13	9,360.00	16,862.17	10,175.00	143.81	142.20	128.138	375.13	6,655.43	1,322.28	1,075.67	246.61	5.362		
16,300.00	9,360.00	16,941.04	10,175.00	145.41	143.81	128.138	375.36	6,734.29	1,322.28	1,073.03	249.24	5.305		
16,321.13	9,360.00	16,962.17	10,175.00	145.83	144.24	128.138	375.42	6,755.43	1,322.28	1,072.33	249.95	5.290		
16,400.00	9,360.00	17,041.04	10,175.00	147.43	145.86	128.138	375.65	6,834.29	1,322.28	1,069.70	252.58	5.235		
16,421.13	9,360.00	17,062.17	10,175.00	147.86	146.29	128.138	375.71	6,855.43	1,322.28	1,068.99	253.28	5.221		
16,500.00	9,360.00	17,141.04	10,175.00	149.46	147.91	128.138	375.94	6,934.29	1,322.28	1,066.36	255.92	5.167		
16,521.13	9,360.00	17,162.17	10,175.00	149.89	148.34	128.138	376.01	6,955.42	1,322.28	1,065.65	256.62	5.153		
16,600.00	9,360.00	17,241.04	10,175.00	151.49	149.96	128.138	376.24	7,034.29	1,322.28	1,063.02	259.26	5.100		
16,621.13	9,360.00	17,262.17	10,175.00	151.92	150.39	128.138	376.30	7,055.42	1,322.28	1,062.31	259.96	5.086		
16,700.00	9,360.00	17,341.04	10,175.00	153.52	152.01	128.138	376.53	7,134.29	1,322.28	1,059.68	262.60	5.035		
16,721.13	9,360.00	17,362.17	10,175.00	153.95	152.45	128.138	376.59	7,155.42	1,322.28	1,058.97	263.31	5.022		
16,800.00	9,360.00	17,441.04	10,175.00	155.56	154.06	128.138	376.82	7,234.29	1,322.28	1,056.33	265.94	4.972		
16,821.13	9,360.00	17,462.17	10,175.00	155.98	154.50	128.138	376.88	7,255.42	1,322.28	1,055.62	266.65	4.959		
16,900.00	9,360.00	17,541.04	10,175.00	157.59	156.11	128.138	377.11	7,334.29	1,322.28	1,052.99	269.29	4.910		
16,921.13	9,360.00	17,562.17	10,175.00	158.02	156.55	128.138	377.18	7,355.42	1,322.28	1,052.28	270.00	4.897		
17,000.00	9,360.00	17,641.04	10,175.00	159.62	158.17	128.138	377.41	7,434.29	1,322.28	1,049.64	272.64	4.850		
17,021.13	9,360.00	17,662.17	10,175.00	160.05	158.60	128.138	377.47	7,455.42	1,322.28	1,048.93	273.34	4.837		
17,100.00	9,360.00	17,741.04	10,175.00	161.66	160.22	128.138	377.70	7,534.29	1,322.28	1,046.29	275.99	4.791		
17,121.13	9,360.00	17,762.17	10,175.00	162.09	160.65	128.138	377.76	7,555.42	1,322.28	1,045.58	276.69	4.779		
17,200.00	9,360.00	17,841.04	10,175.00	163.69	162.27	128.138	377.99	7,634.29	1,322.28	1,042.94	279.33	4.734		
17,221.13	9,360.00	17,862.17	10,175.00	164.12	162.71	128.138	378.05	7,655.42	1,322.28	1,042.23	280.04	4.722		
17,300.00	9,360.00	17,941.04	10,175.00	165.73	164.33	128.138	378.28	7,734.29	1,322.28	1,039.59	282.69	4.678		
17,321.13	9,360.00	17,962.17	10,175.00	166.16	164.76	128.138	378.35	7,755.42	1,322.28	1,038.88	283.39	4.666		
17,400.00	9,360.00	18,041.04	10,175.00	167.77	166.38	128.138	378.58	7,834.29	1,322.28	1,036.24	286.04	4.623		
17,421.13	9,360.00	18,062.17	10,175.00	168.20	166.82	128.138	378.64	7,855.42	1,322.28	1,035.53	286.75	4.611		
17,500.00	9,360.00	18,141.04	10,175.00	169.80	168.44	128.138	378.87	7,934.29	1,322.28	1,032.89	289.39	4.569		
17,521.13	9,360.00	18,162.17	10,175.00	170.24	168.87	128.138	378.93	7,955.42	1,322.28	1,032.18	290.10	4.558		
17,600.00	9,360.00	18,241.04	10,175.00	171.84	170.49	128.138	379.16	8,034.29	1,322.28	1,029.53	292.75	4.517		
17,621.13	9,360.00	18,262.17	10,175.00	172.27	170.92	128.138	379.22	8,055.42	1,322.28	1,028.82	293.45	4.506		
17,700.00	9,360.00	18,341.04	10,175.00	173.88	172.55	128.138	379.45	8,134.29	1,322.28	1,026.18	296.10	4.466		
17,721.13	9,360.00	18,362.17	10,175.00	174.31	172.98	128.138	379.52	8,155.42	1,322.28	1,025.47	296.81	4.455		
17,800.00	9,360.00	18,441.04	10,175.00	175.92	174.60	128.138	379.75	8,234.29	1,322.28	1,022.82	299.46	4.416		
17,821.13	9,360.00	18,462.17	10,175.00	176.35	175.04	128.138	379.81	8,255.42	1,322.28	1,022.11	300.17	4.405		
17,900.00	9,360.00	18,541.04	10,175.00	177.96	176.66	128.138	380.04	8,334.29	1,322.28	1,019.46	302.82	4.367		
17,921.13	9,360.00	18,562.17	10,175.00	178.40	177.09	128.138	380.10	8,355.42	1,322.28	1,018.75	303.52	4.356		
18,000.00	9,360.00	18,641.04	10,175.00	180.01	178.71	128.138	380.33	8,434.29	1,322.28	1,016.10	306.17	4.319		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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	
18,021.13	9,360.00	18,662.17	10,175.00	180.44	179.15	128.138	380.39	8,455.42	1,322.28	1,015.39	306.88	4.309	
18,100.00	9,360.00	18,741.04	10,175.00	182.05	180.77	128.138	380.62	8,534.29	1,322.28	1,012.74	309.53	4.272	
18,121.13	9,360.00	18,762.17	10,175.00	182.48	181.20	128.138	380.69	8,555.42	1,322.28	1,012.03	310.24	4.262	
18,200.00	9,360.00	18,841.04	10,175.00	184.09	182.83	128.138	380.92	8,634.28	1,322.28	1,009.38	312.89	4.226	
18,221.13	9,360.00	18,862.17	10,175.00	184.52	183.26	128.138	380.98	8,655.42	1,322.28	1,008.67	313.60	4.216	
18,300.00	9,360.00	18,941.04	10,175.00	186.13	184.88	128.138	381.21	8,734.28	1,322.28	1,006.02	316.26	4.181	
18,321.13	9,360.00	18,962.17	10,175.00	186.57	185.32	128.138	381.27	8,755.42	1,322.28	1,005.31	316.97	4.172	
18,400.00	9,360.00	19,041.04	10,175.00	188.18	186.94	128.138	381.50	8,834.28	1,322.28	1,002.66	319.62	4.137	
18,421.13	9,360.00	19,062.17	10,175.00	188.61	187.38	128.138	381.56	8,855.42	1,322.28	1,001.95	320.33	4.128	
18,500.00	9,360.00	19,141.04	10,175.00	190.22	189.00	128.138	381.79	8,934.28	1,322.28	999.29	322.98	4.094	
18,521.13	9,360.00	19,162.17	10,175.00	190.66	189.43	128.138	381.86	8,955.42	1,322.28	998.58	323.69	4.085	
18,600.00	9,360.00	19,241.04	10,175.00	192.27	191.06	128.138	382.09	9,034.28	1,322.28	995.93	326.35	4.052	
18,621.13	9,360.00	19,262.17	10,175.00	192.70	191.49	128.138	382.15	9,055.42	1,322.28	995.22	327.06	4.043	
18,700.00	9,360.00	19,341.04	10,175.00	194.31	193.11	128.138	382.38	9,134.28	1,322.28	992.56	329.71	4.010	
18,721.13	9,360.00	19,362.17	10,175.00	194.75	193.55	128.138	382.44	9,155.42	1,322.28	991.85	330.42	4.002	
18,800.00	9,360.00	19,441.04	10,175.00	196.36	195.17	128.138	382.67	9,234.28	1,322.28	989.20	333.08	3.970	
18,821.13	9,360.00	19,462.17	10,175.00	196.79	195.61	128.138	382.73	9,255.41	1,322.28	988.49	333.79	3.961	
18,900.00	9,360.00	19,541.04	10,175.00	198.41	197.23	128.138	382.96	9,334.28	1,322.28	985.83	336.44	3.930	
18,921.13	9,360.00	19,562.17	10,175.00	198.84	197.67	128.138	383.03	9,355.41	1,322.28	985.12	337.15	3.922	
19,000.00	9,360.00	19,641.04	10,175.00	200.45	199.29	128.138	383.26	9,434.28	1,322.28	982.47	339.81	3.891	
19,021.13	9,360.00	19,662.17	10,175.00	200.89	199.73	128.138	383.32	9,455.41	1,322.28	981.75	340.52	3.883	
19,100.00	9,360.00	19,741.04	10,175.00	202.50	201.35	128.138	383.55	9,534.28	1,322.28	979.10	343.18	3.853	
19,121.13	9,360.00	19,762.17	10,175.00	202.93	201.79	128.138	383.61	9,555.41	1,322.28	978.39	343.89	3.845	
19,200.00	9,360.00	19,841.04	10,175.00	204.55	203.41	128.138	383.84	9,634.28	1,322.28	975.73	346.55	3.816	
19,221.13	9,360.00	19,862.17	10,175.00	204.98	203.84	128.138	383.90	9,655.41	1,322.28	975.02	347.26	3.808	
19,300.00	9,360.00	19,941.04	10,175.00	206.60	205.47	128.138	384.13	9,734.28	1,322.28	972.36	349.92	3.779	
19,321.13	9,360.00	19,962.17	10,175.00	207.03	205.90	128.138	384.20	9,755.41	1,322.28	971.65	350.63	3.771	
19,400.00	9,360.00	20,041.04	10,175.00	208.65	207.53	128.138	384.43	9,834.28	1,322.28	968.99	353.29	3.743	
19,421.13	9,360.00	20,062.17	10,175.00	209.08	207.96	128.138	384.49	9,855.41	1,322.28	968.28	354.00	3.735	
19,500.00	9,360.00	20,141.04	10,175.00	210.70	209.59	128.138	384.72	9,934.28	1,322.28	965.62	356.66	3.707	
19,521.13	9,360.00	20,162.17	10,175.00	211.13	210.02	128.138	384.78	9,955.41	1,322.28	964.91	357.37	3.700	
19,600.00	9,360.00	20,241.04	10,175.00	212.75	211.65	128.138	385.01	10,034.28	1,322.28	962.25	360.03	3.673	
19,621.13	9,360.00	20,262.17	10,175.00	213.18	212.08	128.138	385.07	10,055.41	1,322.28	961.53	360.74	3.665	
19,700.00	9,360.00	20,341.04	10,175.00	214.80	213.71	128.138	385.30	10,134.28	1,322.28	958.88	363.40	3.639	
19,721.13	9,360.00	20,362.17	10,175.00	215.23	214.14	128.138	385.37	10,155.41	1,322.28	958.16	364.11	3.631	
19,800.00	9,360.00	20,441.04	10,175.00	216.85	215.77	128.138	385.60	10,234.28	1,322.28	955.50	366.77	3.605	
19,821.13	9,360.00	20,462.17	10,175.00	217.28	216.21	128.138	385.66	10,255.41	1,322.28	954.79	367.49	3.598	
19,900.00	9,360.00	20,541.04	10,175.00	218.90	217.83	128.138	385.89	10,334.28	1,322.28	952.13	370.15	3.572	
19,921.13	9,360.00	20,562.17	10,175.00	219.33	218.27	128.138	385.95	10,355.41	1,322.28	951.42	370.86	3.565	
20,000.00	9,360.00	20,641.04	10,175.00	220.95	219.89	128.138	386.18	10,434.28	1,322.28	948.76	373.52	3.540	
20,021.13	9,360.00	20,662.17	10,175.00	221.38	220.33	128.138	386.24	10,455.41	1,322.28	948.04	374.23	3.533	
20,100.00	9,360.00	20,741.04	10,175.00	223.00	221.95	128.138	386.47	10,534.28	1,322.28	945.38	376.89	3.508	
20,121.13	9,360.00	20,762.17	10,175.00	223.43	222.39	128.138	386.54	10,555.41	1,322.28	944.67	377.61	3.502	
20,200.00	9,360.00	20,841.04	10,175.00	225.05	224.01	128.138	386.77	10,634.28	1,322.28	942.01	380.27	3.477	
20,221.13	9,360.00	20,862.17	10,175.00	225.49	224.45	128.138	386.83	10,655.41	1,322.28	941.29	380.98	3.471	
20,300.00	9,360.00	20,941.04	10,175.00	227.11	226.08	128.138	387.06	10,734.28	1,322.28	938.63	383.64	3.447	
20,321.13	9,360.00	20,962.17	10,175.00	227.54	226.51	128.138	387.12	10,755.41	1,322.28	937.92	384.36	3.440	
20,400.00	9,360.00	21,041.04	10,175.00	229.16	228.14	128.138	387.35	10,834.28	1,322.28	935.26	387.02	3.417	
20,421.13	9,360.00	21,062.17	10,175.00	229.59	228.57	128.138	387.41	10,855.41	1,322.28	934.54	387.73	3.410	
20,500.00	9,360.00	21,141.04	10,175.00	231.21	230.20	128.138	387.64	10,934.28	1,322.28	931.88	390.40	3.387	
20,521.13	9,360.00	21,162.17	10,175.00	231.64	230.63	128.138	387.71	10,955.41	1,322.28	931.17	391.11	3.381	
20,600.00	9,360.00	21,241.04	10,175.00	233.26	232.26	128.138	387.94	11,034.27	1,322.28	928.50	393.77	3.358	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
20,621.13	9,360.00	21,262.17	10,175.00	233.70	232.70	128.138	388.00	11,055.41	1,322.28	927.79	394.49	3.352	
20,700.00	9,360.00	21,341.04	10,175.00	235.32	234.32	128.138	388.23	11,134.27	1,322.28	925.13	397.15	3.329	
20,721.13	9,360.00	21,362.17	10,175.00	235.75	234.76	128.138	388.29	11,155.41	1,322.28	924.41	397.86	3.323	
20,800.00	9,360.00	21,441.04	10,175.00	237.37	236.38	128.138	388.52	11,234.27	1,322.28	921.75	400.53	3.301	
20,821.13	9,360.00	21,462.17	10,175.00	237.81	236.82	128.138	388.58	11,255.41	1,322.28	921.03	401.24	3.295	
20,900.00	9,360.00	21,541.04	10,175.00	239.43	238.45	128.138	388.81	11,334.27	1,322.28	918.37	403.90	3.274	
20,921.13	9,360.00	21,562.17	10,175.00	239.86	238.88	128.138	388.88	11,355.41	1,322.28	917.66	404.62	3.268	
21,000.00	9,360.00	21,641.04	10,175.00	241.48	240.51	128.138	389.11	11,434.27	1,322.28	914.99	407.28	3.247	
21,021.13	9,360.00	21,662.17	10,175.00	241.91	240.95	128.138	389.17	11,455.41	1,322.28	914.28	408.00	3.241	
21,100.00	9,360.00	21,741.04	10,175.00	243.53	242.57	128.138	389.40	11,534.27	1,322.28	911.61	410.66	3.220	
21,121.13	9,360.00	21,762.17	10,175.00	243.97	243.01	128.138	389.46	11,555.41	1,322.28	910.90	411.38	3.214	
21,200.00	9,360.00	21,841.04	10,175.00	245.59	244.63	128.138	389.69	11,634.27	1,322.28	908.23	414.04	3.194	
21,221.13	9,360.00	21,862.17	10,175.00	246.02	245.07	128.138	389.75	11,655.40	1,322.28	907.52	414.76	3.188	
21,300.00	9,360.00	21,941.04	10,175.00	247.64	246.70	128.138	389.98	11,734.27	1,322.28	904.85	417.42	3.168	
21,321.13	9,360.00	21,962.17	10,175.00	248.08	247.13	128.138	390.05	11,755.40	1,322.28	904.14	418.14	3.162	
21,400.00	9,360.00	22,041.04	10,175.00	249.70	248.76	128.138	390.28	11,834.27	1,322.28	901.47	420.80	3.142	
21,421.13	9,360.00	22,062.17	10,175.00	250.13	249.20	128.138	390.34	11,855.40	1,322.28	900.76	421.52	3.137	
21,500.00	9,360.00	22,141.04	10,175.00	251.76	250.82	128.138	390.57	11,934.27	1,322.28	898.09	424.18	3.117	
21,521.13	9,360.00	22,162.17	10,175.00	252.19	251.26	128.138	390.63	11,955.40	1,322.28	897.38	424.90	3.112	
21,600.00	9,360.00	22,241.04	10,175.00	253.81	252.89	128.138	390.86	12,034.27	1,322.28	894.71	427.56	3.093	
21,621.13	9,360.00	22,262.17	10,175.00	254.25	253.32	128.138	390.92	12,055.40	1,322.28	894.00	428.28	3.087	
21,700.00	9,360.00	22,341.04	10,175.00	255.87	254.95	128.138	391.15	12,134.27	1,322.27	891.33	430.94	3.068	
21,721.13	9,360.00	22,362.17	10,175.00	256.30	255.39	128.138	391.22	12,155.40	1,322.27	890.62	431.66	3.063	
21,800.00	9,360.00	22,441.04	10,175.00	257.92	257.01	128.138	391.45	12,234.27	1,322.27	887.95	434.33	3.044	
21,821.13	9,360.00	22,462.17	10,175.00	258.36	257.45	128.138	391.51	12,255.40	1,322.27	887.24	435.04	3.039	
21,900.00	9,360.00	22,541.04	10,175.00	259.98	259.08	128.138	391.74	12,334.27	1,322.27	884.57	437.71	3.021	
21,921.13	9,360.00	22,562.17	10,175.00	260.41	259.51	128.138	391.80	12,355.40	1,322.27	883.85	438.42	3.016	
22,000.00	9,360.00	22,641.04	10,175.00	262.04	261.14	128.138	392.03	12,434.27	1,322.27	881.19	441.09	2.998	
22,021.13	9,360.00	22,662.17	10,175.00	262.47	261.58	128.138	392.09	12,455.40	1,322.27	880.47	441.80	2.993	
22,100.00	9,360.00	22,741.04	10,175.00	264.09	263.20	128.138	392.32	12,534.27	1,322.27	877.80	444.47	2.975	
22,121.13	9,360.00	22,762.17	10,175.00	264.53	263.64	128.138	392.39	12,555.40	1,322.27	877.09	445.19	2.970	
22,200.00	9,360.00	22,841.04	10,175.00	266.15	265.27	128.138	392.62	12,634.27	1,322.27	874.42	447.85	2.952	
22,221.13	9,360.00	22,862.17	10,175.00	266.59	265.70	128.138	392.68	12,655.40	1,322.27	873.71	448.57	2.948	
22,300.00	9,360.00	22,941.04	10,175.00	268.21	267.33	128.138	392.91	12,734.27	1,322.27	871.04	451.24	2.930	
22,321.13	9,360.00	22,962.17	10,175.00	268.64	267.77	128.138	392.97	12,755.40	1,322.27	870.32	451.95	2.926	
22,400.00	9,360.00	23,041.04	10,175.00	270.27	269.40	128.138	393.20	12,834.27	1,322.27	867.65	454.62	2.909	
22,421.13	9,360.00	23,062.17	10,175.00	270.70	269.83	128.138	393.26	12,855.40	1,322.27	866.94	455.34	2.904	
22,500.00	9,360.00	23,141.04	10,175.00	272.32	271.46	128.138	393.49	12,934.27	1,322.27	864.27	458.01	2.887	
22,521.13	9,360.00	23,162.17	10,175.00	272.76	271.90	128.138	393.56	12,955.40	1,322.27	863.55	458.72	2.883	
22,600.00	9,360.00	23,241.04	10,175.00	274.38	273.52	128.138	393.79	13,034.27	1,322.27	860.89	461.39	2.866	
22,621.13	9,360.00	23,262.17	10,175.00	274.82	273.96	128.138	393.85	13,055.40	1,322.27	860.17	462.10	2.861	
22,700.00	9,360.00	23,341.04	10,175.00	276.44	275.59	128.138	394.08	13,134.27	1,322.27	857.50	464.77	2.845	
22,721.13	9,360.00	23,362.17	10,175.00	276.87	276.02	128.138	394.14	13,155.40	1,322.27	856.79	465.49	2.841	
22,800.00	9,360.00	23,441.04	10,175.00	278.50	277.65	128.138	394.37	13,234.27	1,322.27	854.12	468.16	2.824	
22,821.13	9,360.00	23,462.17	10,175.00	278.93	278.09	128.138	394.43	13,255.40	1,322.27	853.40	468.87	2.820	
22,900.00	9,360.00	23,541.04	10,175.00	280.56	279.72	128.138	394.66	13,334.26	1,322.27	850.73	471.54	2.804	
22,906.07	9,360.00	23,547.11	10,175.00	280.68	279.84	128.138	394.68	13,340.33	1,322.27	850.53	471.75	2.803	
22,928.71	9,360.00	23,569.75	10,175.00	281.15	280.31	128.138	394.75	13,362.97	1,322.27	849.76	472.51	2.798	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
0.00	0.00	0.00	0.00	0.00	0.00	-56.838	132.14	-202.22	241.58				
100.00	100.00	97.27	97.27	0.79	0.76	-56.838	132.14	-202.22	241.57	240.02	1.55	155.864	
200.00	200.00	197.27	197.27	1.45	1.43	-56.838	132.14	-202.22	241.57	238.69	2.87	84.047	
300.00	300.00	297.27	297.27	1.89	1.88	-56.838	132.14	-202.22	241.57	237.79	3.77	64.055	
400.00	400.00	397.27	397.27	2.25	2.24	-56.838	132.14	-202.22	241.57	237.07	4.50	53.711	
500.00	500.00	497.27	497.27	2.57	2.56	-56.838	132.14	-202.22	241.57	236.44	5.13	47.118	
600.00	600.00	597.27	597.27	2.85	2.84	-56.838	132.14	-202.22	241.57	235.87	5.69	42.443	
700.00	700.00	697.27	697.27	3.11	3.10	-56.838	132.14	-202.22	241.57	235.36	6.21	38.904	
800.00	800.00	797.27	797.27	3.35	3.34	-56.838	132.14	-202.22	241.57	234.87	6.69	36.103	
900.00	900.00	897.27	897.27	3.58	3.57	-56.838	132.14	-202.22	241.57	234.42	7.14	33.813	
1,000.00	1,000.00	997.27	997.27	3.79	3.78	-56.838	132.14	-202.22	241.57	233.99	7.57	31.896	
1,100.00	1,100.00	1,097.27	1,097.27	3.99	3.99	-56.838	132.14	-202.22	241.57	233.58	7.98	30.259	
1,200.00	1,200.00	1,197.27	1,197.27	4.19	4.19	-56.838	132.14	-202.22	241.57	233.19	8.38	28.839	
1,300.00	1,300.00	1,297.27	1,297.27	4.38	4.37	-56.838	132.14	-202.22	241.57	232.81	8.75	27.593	
1,400.00	1,400.00	1,397.27	1,397.27	4.56	4.56	-56.838	132.14	-202.22	241.57	232.45	9.12	26.487	
1,500.00	1,500.00	1,497.27	1,497.27	4.74	4.73	-56.838	132.14	-202.22	241.57	232.09	9.47	25.497	
1,600.00	1,600.00	1,597.27	1,597.27	4.91	4.91	-56.838	132.14	-202.22	241.57	231.75	9.82	24.603	
1,700.00	1,700.00	1,697.27	1,697.27	5.08	5.07	-56.838	132.14	-202.22	241.57	231.41	10.15	23.791	
1,800.00	1,800.00	1,797.27	1,797.27	5.24	5.24	-56.838	132.14	-202.22	241.57	231.08	10.48	23.049	
1,900.00	1,900.00	1,897.27	1,897.27	5.40	5.40	-56.838	132.14	-202.22	241.57	230.77	10.80	22.367	
2,000.00	2,000.00	1,997.27	1,997.27	5.56	5.55	-56.838	132.14	-202.22	241.57	230.45	11.11	21.737	
2,100.00	2,099.98	2,091.75	2,091.73	5.80	5.78	-46.024	133.57	-202.54	241.47	229.97	11.49	21.014	
2,200.00	2,199.84	2,186.07	2,185.94	6.05	6.01	-46.110	138.04	-203.52	241.29	229.42	11.87	20.331	
2,300.00	2,299.45	2,280.42	2,279.97	6.31	6.26	-46.244	145.53	-205.17	241.05	228.80	12.25	19.678	
2,400.00	2,398.70	2,374.78	2,373.71	6.59	6.52	-46.425	156.05	-207.49	240.73	228.09	12.64	19.046	
2,500.00	2,497.47	2,469.17	2,467.07	6.89	6.80	-46.654	169.57	-210.47	240.35	227.31	13.04	18.430	
2,600.00	2,595.62	2,563.58	2,559.96	7.21	7.08	-46.930	186.10	-214.12	239.90	226.46	13.44	17.844	
2,700.00	2,693.06	2,661.90	2,656.21	7.54	7.39	-47.416	205.66	-218.43	238.83	224.91	13.92	17.160	
2,800.00	2,789.64	2,761.74	2,753.93	7.90	7.69	-48.548	225.66	-222.84	235.54	221.16	14.38	16.375	
2,900.00	2,885.35	2,861.35	2,851.42	8.18	7.99	-50.312	245.61	-227.24	230.28	215.56	14.73	15.638	
3,000.00	2,980.88	2,960.91	2,948.87	8.51	8.30	-52.234	265.55	-231.63	224.85	209.74	15.11	14.880	
3,100.00	3,076.41	3,060.47	3,046.31	8.85	8.62	-54.248	285.49	-236.03	219.69	204.20	15.49	14.184	
3,200.00	3,171.93	3,160.03	3,143.75	9.22	8.96	-56.356	305.43	-240.43	214.81	198.96	15.85	13.551	
3,300.00	3,267.46	3,259.59	3,241.20	9.59	9.31	-58.558	325.37	-244.82	210.23	194.04	16.20	12.979	
3,400.00	3,362.99	3,359.15	3,338.64	9.98	9.67	-60.854	345.31	-249.22	205.99	189.46	16.52	12.466	
3,500.00	3,458.52	3,458.71	3,436.08	10.38	10.04	-63.242	365.25	-253.62	202.08	185.26	16.83	12.009	
3,600.00	3,554.04	3,558.27	3,533.53	10.79	10.42	-65.718	385.19	-258.01	198.55	181.44	17.11	11.605	
3,700.00	3,649.57	3,657.83	3,630.97	11.20	10.81	-68.279	405.13	-262.41	195.40	178.03	17.37	11.250	
3,800.00	3,745.10	3,757.39	3,728.41	11.63	11.20	-70.917	425.07	-266.81	192.66	175.04	17.61	10.939	
3,900.00	3,840.62	3,856.95	3,825.86	12.06	11.60	-73.625	445.01	-271.20	190.33	172.49	17.84	10.667	
4,000.00	3,936.15	3,956.51	3,923.30	12.50	12.00	-76.393	464.95	-275.60	188.45	170.38	18.07	10.428	
4,100.00	4,031.68	4,056.07	4,020.74	12.94	12.41	-79.210	484.89	-280.00	187.02	168.72	18.31	10.216	
4,200.00	4,127.21	4,155.63	4,118.18	13.38	12.82	-82.063	504.82	-284.39	186.05	167.49	18.56	10.025	
4,300.00	4,222.73	4,255.19	4,215.63	13.84	13.24	-84.938	524.76	-288.79	185.55	166.71	18.84	9.848	
4,355.47	4,275.73	4,310.42	4,269.68	14.09	13.47	-86.537	535.83	-291.23	185.48	166.46	19.02	9.754 CC	
4,400.00	4,318.26	4,354.75	4,313.07	14.29	13.66	-87.821	544.70	-293.19	185.53	166.36	19.17	9.679 ES	
4,500.00	4,413.79	4,454.31	4,410.51	14.75	14.08	-90.698	564.64	-297.58	185.98	166.43	19.55	9.514	
4,600.00	4,509.32	4,553.86	4,507.96	15.21	14.51	-93.553	584.58	-301.98	186.89	166.90	19.99	9.348	
4,700.00	4,604.84	4,653.42	4,605.40	15.68	14.93	-96.375	604.52	-306.38	188.27	167.76	20.51	9.179	
4,800.00	4,700.37	4,752.98	4,702.84	16.15	15.37	-99.149	624.46	-310.77	190.11	169.00	21.11	9.006	
4,900.00	4,795.90	4,852.54	4,800.29	16.62	15.80	-101.864	644.40	-315.17	192.38	170.60	21.78	8.832	
5,000.00	4,891.42	4,952.10	4,897.73	17.09	16.24	-104.510	664.34	-319.57	195.08	172.54	22.54	8.656	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	4,986.95	5,051.66	4,995.17	17.57	16.68	-107.080	684.28	-323.96	198.18	174.82	23.36	8.482	
5,200.00	5,082.48	5,151.22	5,092.61	18.05	17.12	-109.566	704.22	-328.36	201.68	177.42	24.26	8.313	
5,300.00	5,178.01	5,250.78	5,190.06	18.53	17.56	-111.963	724.16	-332.76	205.54	180.32	25.22	8.150	
5,400.00	5,273.53	5,350.34	5,287.50	19.01	18.00	-114.269	744.10	-337.15	209.75	183.52	26.23	7.996	
5,500.00	5,369.06	5,449.90	5,384.94	19.49	18.44	-116.482	764.04	-341.55	214.29	187.00	27.29	7.853	
5,600.00	5,464.59	5,549.46	5,482.39	19.98	18.89	-118.600	783.98	-345.94	219.14	190.75	28.38	7.720	
5,700.00	5,560.11	5,649.02	5,579.83	20.46	19.34	-120.624	803.92	-350.34	224.27	194.76	29.51	7.600	
5,800.00	5,655.64	5,748.58	5,677.27	20.95	19.79	-122.556	823.86	-354.74	229.67	199.01	30.66	7.490	
5,900.00	5,751.17	5,848.14	5,774.72	21.44	20.24	-124.398	843.80	-359.13	235.33	203.49	31.83	7.393	
6,000.00	5,846.70	5,947.70	5,872.16	21.93	20.69	-126.152	863.74	-363.53	241.21	208.19	33.02	7.306	
6,100.00	5,942.22	6,047.26	5,969.60	22.42	21.14	-127.822	883.68	-367.93	247.31	213.10	34.21	7.229	
6,200.00	6,037.75	6,146.82	6,067.05	22.91	21.59	-129.410	903.62	-372.32	253.61	218.20	35.41	7.162	
6,300.00	6,133.28	6,246.37	6,164.49	23.40	22.04	-130.921	923.56	-376.72	260.10	223.48	36.61	7.104	
6,400.00	6,228.81	6,345.93	6,261.93	23.90	22.50	-132.357	943.50	-381.12	266.75	228.93	37.82	7.054	
6,500.00	6,324.33	6,445.49	6,359.37	24.39	22.95	-133.723	963.44	-385.51	273.57	234.55	39.02	7.011	
6,600.00	6,419.86	6,545.05	6,456.82	24.89	23.41	-135.022	983.38	-389.91	280.53	240.31	40.22	6.974	
6,700.00	6,515.60	6,644.68	6,554.32	25.37	23.86	-136.213	1,003.33	-394.31	287.10	245.74	41.36	6.942	
6,800.00	6,612.24	6,738.32	6,646.23	25.87	24.28	-137.067	1,020.87	-398.18	292.34	249.99	42.35	6.903	
6,900.00	6,709.71	6,831.24	6,737.94	26.36	24.70	-137.865	1,035.38	-401.37	297.39	254.10	43.29	6.870	
7,000.00	6,807.91	6,923.97	6,829.92	26.83	25.11	-138.615	1,046.95	-403.93	302.25	258.10	44.14	6.847	
7,100.00	6,906.70	7,016.55	6,922.06	27.29	25.48	-139.321	1,055.60	-405.83	306.90	261.98	44.92	6.832	
7,200.00	7,005.97	7,108.96	7,014.28	27.72	25.83	-139.985	1,061.33	-407.10	311.35	265.74	45.60	6.827	
7,300.00	7,105.61	7,200.00	7,105.27	28.11	26.12	-140.604	1,064.13	-407.71	315.56	269.43	46.14	6.840	
7,400.00	7,205.47	7,297.47	7,202.74	28.47	26.19	-141.167	1,064.47	-407.79	319.21	272.61	46.60	6.850	
7,500.00	7,305.46	7,397.45	7,302.73	28.62	26.23	-152.209	1,064.47	-407.79	320.42	273.57	46.85	6.840	
7,600.00	7,405.46	7,497.45	7,402.73	28.70	26.28	-152.209	1,064.47	-407.79	320.42	273.43	46.99	6.819	
7,700.00	7,505.46	7,597.45	7,502.73	28.74	26.32	-152.209	1,064.47	-407.79	320.42	273.33	47.09	6.804	
7,800.00	7,605.46	7,697.45	7,602.73	28.78	26.37	-152.209	1,064.47	-407.79	320.42	273.23	47.19	6.790	
7,900.00	7,705.46	7,797.45	7,702.73	28.82	26.42	-152.209	1,064.47	-407.79	320.42	273.13	47.29	6.775	
8,000.00	7,805.46	7,897.45	7,802.73	28.87	26.46	-152.209	1,064.47	-407.79	320.42	273.03	47.40	6.760	
8,100.00	7,905.46	7,997.45	7,902.73	28.91	26.51	-152.209	1,064.47	-407.79	320.42	272.92	47.50	6.746	
8,200.00	8,005.46	8,097.45	8,002.73	28.95	26.55	-152.209	1,064.47	-407.79	320.42	272.82	47.60	6.731	
8,300.00	8,105.46	8,197.45	8,102.73	29.00	26.60	-152.209	1,064.47	-407.79	320.42	272.72	47.71	6.716	
8,400.00	8,205.46	8,297.45	8,202.73	29.04	26.65	-152.209	1,064.47	-407.79	320.42	272.61	47.81	6.702	
8,500.00	8,305.46	8,397.45	8,302.73	29.08	26.70	-152.209	1,064.47	-407.79	320.42	272.51	47.92	6.687	
8,600.00	8,405.46	8,497.45	8,402.73	29.12	26.74	-152.209	1,064.47	-407.79	320.42	272.40	48.02	6.673	
8,700.00	8,505.46	8,597.45	8,502.73	29.17	26.79	-152.209	1,064.47	-407.79	320.42	272.30	48.12	6.658	
8,800.00	8,605.46	8,697.45	8,602.73	29.21	26.84	-152.209	1,064.47	-407.79	320.42	272.19	48.23	6.644	
8,900.00	8,705.46	8,797.45	8,702.73	29.26	26.89	-152.209	1,064.47	-407.79	320.42	272.09	48.34	6.629	
8,903.60	8,709.05	8,801.05	8,706.32	29.26	26.89	121.961	1,064.47	-407.79	320.42	272.08	48.34	6.629	
9,000.00	8,805.45	8,897.45	8,802.72	29.29	26.93	121.992	1,064.47	-407.79	320.58	272.16	48.42	6.621	
9,100.00	8,904.61	8,996.61	8,901.88	29.27	26.98	123.206	1,064.47	-407.79	327.04	279.01	48.03	6.809	
9,200.00	9,000.20	9,092.20	8,997.47	29.26	27.03	125.737	1,064.47	-407.79	343.97	297.13	46.84	7.344	
9,300.00	9,089.32	9,181.32	9,086.59	29.27	27.07	128.641	1,064.47	-407.79	373.30	328.24	45.07	8.283	
9,400.00	9,169.25	9,261.24	9,166.52	29.32	27.11	130.867	1,064.47	-407.79	416.63	373.56	43.07	9.673	
9,500.00	9,237.56	9,329.56	9,234.83	29.44	27.14	131.448	1,064.47	-407.79	474.23	433.03	41.20	11.510	
9,600.00	9,292.19	9,384.19	9,289.46	29.66	27.17	129.341	1,064.47	-407.79	544.85	505.19	39.66	13.739	
9,700.00	9,331.47	9,423.46	9,328.74	30.00	27.19	122.886	1,064.47	-407.79	626.11	587.63	38.47	16.275	
9,800.00	9,354.20	9,446.20	9,351.47	30.47	27.20	109.045	1,064.47	-407.79	714.96	677.38	37.58	19.025	
9,900.00	9,360.00	9,452.00	9,357.27	31.06	27.20	90.000	1,064.47	-407.79	808.06	771.17	36.90	21.900	
10,000.00	9,360.00	10,863.86	10,175.00	31.80	31.16	158.101	1,066.92	432.25	881.37	827.21	54.16	16.273	
10,000.29	9,360.00	10,864.15	10,175.00	31.80	31.17	158.101	1,066.93	432.54	881.38	827.21	54.16	16.272	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1		Offset		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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,100.00	9,360.00	10,963.85	10,175.00	32.64	32.22	158.023	1,067.22	532.24	881.81	826.27	55.53	15.879		
10,121.13	9,360.00	10,984.98	10,175.00	32.84	32.45	158.023	1,067.28	553.38	881.81	825.98	55.83	15.796		
10,200.00	9,360.00	11,063.85	10,175.00	33.59	33.37	158.023	1,067.51	632.24	881.81	824.88	56.93	15.490		
10,221.13	9,360.00	11,084.98	10,175.00	33.81	33.62	158.023	1,067.57	653.37	881.81	824.58	57.23	15.409		
10,300.00	9,360.00	11,163.85	10,175.00	34.63	34.60	158.023	1,067.80	732.24	881.81	823.44	58.37	15.108		
10,321.13	9,360.00	11,184.98	10,175.00	34.87	34.87	158.023	1,067.86	753.37	881.81	823.13	58.68	15.029		
10,400.00	9,360.00	11,263.85	10,175.00	35.76	35.91	158.023	1,068.09	832.24	881.81	821.96	59.84	14.735		
10,421.13	9,360.00	11,284.98	10,175.00	36.02	36.20	158.023	1,068.16	853.37	881.81	821.64	60.16	14.657		
10,500.00	9,360.00	11,363.85	10,175.00	36.98	37.30	158.023	1,068.39	932.24	881.81	820.44	61.36	14.370		
10,521.13	9,360.00	11,384.98	10,175.00	37.25	37.59	158.023	1,068.45	953.37	881.81	820.12	61.69	14.295		
10,600.00	9,360.00	11,463.85	10,175.00	38.27	38.74	158.023	1,068.68	1,032.24	881.81	818.89	62.92	14.016		
10,621.13	9,360.00	11,484.98	10,175.00	38.55	39.05	158.023	1,068.74	1,053.37	881.81	818.56	63.25	13.942		
10,700.00	9,360.00	11,563.85	10,175.00	39.62	40.23	158.023	1,068.97	1,132.24	881.81	817.30	64.50	13.671		
10,721.13	9,360.00	11,584.98	10,175.00	39.92	40.56	158.023	1,069.03	1,153.37	881.81	816.96	64.84	13.599		
10,800.00	9,360.00	11,663.85	10,175.00	41.03	41.78	158.023	1,069.26	1,232.24	881.81	815.69	66.12	13.336		
10,821.13	9,360.00	11,684.98	10,175.00	41.34	42.11	158.023	1,069.33	1,253.37	881.81	815.34	66.47	13.267		
10,900.00	9,360.00	11,763.85	10,175.00	42.50	43.37	158.023	1,069.56	1,332.24	881.81	814.04	67.77	13.012		
10,921.13	9,360.00	11,784.98	10,175.00	42.82	43.71	158.023	1,069.62	1,353.37	881.81	813.69	68.12	12.945		
11,000.00	9,360.00	11,863.85	10,175.00	44.01	45.00	158.023	1,069.85	1,432.24	881.81	812.37	69.44	12.699		
11,021.13	9,360.00	11,884.98	10,175.00	44.34	45.35	158.023	1,069.91	1,453.37	881.81	812.01	69.80	12.634		
11,100.00	9,360.00	11,963.85	10,175.00	45.57	46.66	158.023	1,070.14	1,532.24	881.81	810.67	71.14	12.396		
11,121.13	9,360.00	11,984.98	10,175.00	45.91	47.02	158.023	1,070.20	1,553.37	881.81	810.31	71.50	12.333		
11,200.00	9,360.00	12,063.85	10,175.00	47.17	48.36	158.023	1,070.43	1,632.24	881.81	808.95	72.86	12.103		
11,221.13	9,360.00	12,084.98	10,175.00	47.51	48.72	158.023	1,070.50	1,653.37	881.81	808.58	73.22	12.043		
11,300.00	9,360.00	12,163.85	10,175.00	48.80	50.08	158.023	1,070.73	1,732.24	881.81	807.21	74.60	11.821		
11,321.13	9,360.00	12,184.98	10,175.00	49.15	50.45	158.023	1,070.79	1,753.37	881.81	806.84	74.97	11.762		
11,400.00	9,360.00	12,263.85	10,175.00	50.47	51.83	158.023	1,071.02	1,832.24	881.81	805.45	76.36	11.548		
11,421.13	9,360.00	12,284.98	10,175.00	50.83	52.20	158.023	1,071.08	1,853.37	881.81	805.07	76.73	11.492		
11,500.00	9,360.00	12,363.85	10,175.00	52.16	53.60	158.023	1,071.31	1,932.24	881.81	803.67	78.14	11.285		
11,521.13	9,360.00	12,384.98	10,175.00	52.52	53.98	158.023	1,071.37	1,953.37	881.81	803.29	78.52	11.231		
11,600.00	9,360.00	12,463.85	10,175.00	53.88	55.40	158.023	1,071.61	2,032.24	881.81	801.87	79.94	11.031		
11,621.13	9,360.00	12,484.98	10,175.00	54.25	55.78	158.023	1,071.67	2,053.37	881.81	801.49	80.32	10.979		
11,700.00	9,360.00	12,563.85	10,175.00	55.63	57.21	158.023	1,071.90	2,132.24	881.81	800.06	81.75	10.787		
11,721.13	9,360.00	12,584.98	10,175.00	56.00	57.59	158.023	1,071.96	2,153.37	881.81	799.67	82.13	10.736		
11,800.00	9,360.00	12,663.85	10,175.00	57.39	59.04	158.023	1,072.19	2,232.24	881.81	798.23	83.58	10.551		
11,821.13	9,360.00	12,684.98	10,175.00	57.77	59.42	158.023	1,072.25	2,253.37	881.81	797.84	83.97	10.502		
11,900.00	9,360.00	12,763.85	10,175.00	59.18	60.88	158.023	1,072.48	2,332.24	881.81	796.39	85.42	10.323		
11,921.13	9,360.00	12,784.98	10,175.00	59.56	61.27	158.023	1,072.54	2,353.37	881.81	796.00	85.81	10.276		
12,000.00	9,360.00	12,863.85	10,175.00	60.98	62.74	158.023	1,072.78	2,432.23	881.81	794.53	87.28	10.104		
12,021.13	9,360.00	12,884.98	10,175.00	61.37	63.13	158.023	1,072.84	2,453.37	881.81	794.14	87.67	10.058		
12,100.00	9,360.00	12,963.85	10,175.00	62.80	64.61	158.023	1,073.07	2,532.23	881.81	792.66	89.14	9.892		
12,121.13	9,360.00	12,984.98	10,175.00	63.19	65.00	158.023	1,073.13	2,553.37	881.81	792.27	89.54	9.848		
12,200.00	9,360.00	13,063.85	10,175.00	64.64	66.49	158.023	1,073.36	2,632.23	881.81	790.78	91.02	9.688		
12,221.13	9,360.00	13,084.98	10,175.00	65.03	66.89	158.023	1,073.42	2,653.37	881.81	790.38	91.42	9.645		
12,300.00	9,360.00	13,163.85	10,175.00	66.48	68.38	158.023	1,073.65	2,732.23	881.81	788.89	92.92	9.490		
12,321.13	9,360.00	13,184.98	10,175.00	66.88	68.78	158.023	1,073.71	2,753.37	881.81	788.49	93.32	9.450		
12,400.00	9,360.00	13,263.85	10,175.00	68.35	70.29	158.023	1,073.95	2,832.23	881.81	786.99	94.82	9.300		
12,421.13	9,360.00	13,284.98	10,175.00	68.74	70.69	158.023	1,074.01	2,853.37	881.81	786.59	95.22	9.261		
12,500.00	9,360.00	13,363.85	10,175.00	70.22	72.20	158.023	1,074.24	2,932.23	881.81	785.08	96.73	9.116		
12,521.13	9,360.00	13,384.98	10,175.00	70.62	72.60	158.023	1,074.30	2,953.36	881.81	784.67	97.13	9.078		
12,600.00	9,360.00	13,463.85	10,175.00	72.10	74.12	158.023	1,074.53	3,032.23	881.81	783.16	98.65	8.939		
12,621.13	9,360.00	13,484.98	10,175.00	72.50	74.53	158.023	1,074.59	3,053.36	881.81	782.75	99.05	8.902		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
12,700.00	9,360.00	13,563.85	10,175.00	74.00	76.05	158.023	1,074.82	3,132.23	881.81	781.23	100.58	8.768	
12,721.13	9,360.00	13,584.98	10,175.00	74.40	76.46	158.023	1,074.88	3,153.36	881.81	780.82	100.98	8.732	
12,800.00	9,360.00	13,663.85	10,175.00	75.90	77.99	158.023	1,075.12	3,232.23	881.81	779.29	102.51	8.602	
12,821.13	9,360.00	13,684.98	10,175.00	76.30	78.40	158.023	1,075.18	3,253.36	881.81	778.88	102.92	8.568	
12,900.00	9,360.00	13,763.85	10,175.00	77.81	79.93	158.023	1,075.41	3,332.23	881.81	777.35	104.46	8.442	
12,921.13	9,360.00	13,784.98	10,175.00	78.22	80.34	158.023	1,075.47	3,353.36	881.81	776.94	104.87	8.409	
13,000.00	9,360.00	13,863.85	10,175.00	79.73	81.88	158.023	1,075.70	3,432.23	881.81	775.40	106.41	8.287	
13,021.13	9,360.00	13,884.98	10,175.00	80.14	82.29	158.023	1,075.76	3,453.36	881.81	774.98	106.82	8.255	
13,100.00	9,360.00	13,963.85	10,175.00	81.66	83.83	158.023	1,075.99	3,532.23	881.81	773.44	108.37	8.137	
13,121.13	9,360.00	13,984.98	10,175.00	82.07	84.25	158.023	1,076.06	3,553.36	881.81	773.02	108.78	8.106	
13,200.00	9,360.00	14,063.85	10,175.00	83.59	85.79	158.023	1,076.29	3,632.23	881.81	771.47	110.33	7.992	
13,221.13	9,360.00	14,084.98	10,175.00	84.00	86.21	158.023	1,076.35	3,653.36	881.81	771.06	110.75	7.962	
13,300.00	9,360.00	14,163.85	10,175.00	85.53	87.76	158.023	1,076.58	3,732.23	881.81	769.50	112.30	7.852	
13,321.13	9,360.00	14,184.98	10,175.00	85.94	88.17	158.023	1,076.64	3,753.36	881.81	769.09	112.72	7.823	
13,400.00	9,360.00	14,263.85	10,175.00	87.48	89.73	158.023	1,076.87	3,832.23	881.81	767.53	114.28	7.716	
13,421.13	9,360.00	14,284.98	10,175.00	87.89	90.15	158.023	1,076.93	3,853.36	881.81	767.11	114.70	7.688	
13,500.00	9,360.00	14,363.85	10,175.00	89.43	91.70	158.023	1,077.16	3,932.23	881.81	765.54	116.26	7.585	
13,521.13	9,360.00	14,384.98	10,175.00	89.84	92.12	158.023	1,077.23	3,953.36	881.81	765.12	116.68	7.557	
13,600.00	9,360.00	14,463.85	10,175.00	91.38	93.68	158.023	1,077.46	4,032.23	881.81	763.56	118.25	7.457	
13,621.13	9,360.00	14,484.98	10,175.00	91.80	94.10	158.023	1,077.52	4,053.36	881.81	763.14	118.67	7.431	
13,700.00	9,360.00	14,563.85	10,175.00	93.35	95.66	158.023	1,077.75	4,132.23	881.81	761.56	120.24	7.334	
13,721.13	9,360.00	14,584.98	10,175.00	93.76	96.08	158.023	1,077.81	4,153.36	881.81	761.14	120.66	7.308	
13,800.00	9,360.00	14,663.85	10,175.00	95.31	97.65	158.023	1,078.04	4,232.23	881.81	759.57	122.24	7.214	
13,821.13	9,360.00	14,684.98	10,175.00	95.73	98.07	158.023	1,078.10	4,253.36	881.81	759.14	122.66	7.189	
13,900.00	9,360.00	14,763.85	10,175.00	97.28	99.64	158.023	1,078.33	4,332.23	881.81	757.56	124.24	7.097	
13,921.13	9,360.00	14,784.98	10,175.00	97.70	100.06	158.023	1,078.40	4,353.36	881.81	757.14	124.67	7.073	
14,000.00	9,360.00	14,863.85	10,175.00	99.26	101.63	158.023	1,078.63	4,432.23	881.81	755.56	126.25	6.985	
14,021.13	9,360.00	14,884.98	10,175.00	99.68	102.05	158.023	1,078.69	4,453.36	881.81	755.13	126.67	6.961	
14,100.00	9,360.00	14,963.85	10,175.00	101.24	103.63	158.023	1,078.92	4,532.23	881.81	753.55	128.26	6.875	
14,121.13	9,360.00	14,984.98	10,175.00	101.65	104.05	158.023	1,078.98	4,553.36	881.81	753.12	128.68	6.852	
14,200.00	9,360.00	15,063.85	10,175.00	103.22	105.63	158.023	1,079.21	4,632.23	881.81	751.53	130.27	6.769	
14,221.13	9,360.00	15,084.98	10,175.00	103.64	106.05	158.023	1,079.27	4,653.36	881.81	751.11	130.70	6.747	
14,300.00	9,360.00	15,163.85	10,175.00	105.20	107.63	158.023	1,079.50	4,732.22	881.81	749.52	132.29	6.666	
14,321.13	9,360.00	15,184.98	10,175.00	105.62	108.05	158.023	1,079.57	4,753.36	881.81	749.09	132.72	6.644	
14,400.00	9,360.00	15,263.85	10,175.00	107.19	109.63	158.023	1,079.80	4,832.22	881.81	747.49	134.31	6.565	
14,421.13	9,360.00	15,284.98	10,175.00	107.61	110.06	158.023	1,079.86	4,853.36	881.81	747.07	134.74	6.544	
14,500.00	9,360.00	15,363.85	10,175.00	109.18	111.64	158.023	1,080.09	4,932.22	881.81	745.47	136.34	6.468	
14,521.13	9,360.00	15,384.98	10,175.00	109.60	112.06	158.023	1,080.15	4,953.36	881.81	745.04	136.77	6.448	
14,600.00	9,360.00	15,463.85	10,175.00	111.18	113.65	158.023	1,080.38	5,032.22	881.81	743.44	138.37	6.373	
14,621.13	9,360.00	15,484.98	10,175.00	111.60	114.07	158.023	1,080.44	5,053.36	881.81	743.01	138.79	6.353	
14,700.00	9,360.00	15,563.85	10,175.00	113.17	115.66	158.023	1,080.67	5,132.22	881.81	741.41	140.40	6.281	
14,721.13	9,360.00	15,584.98	10,175.00	113.60	116.08	158.023	1,080.74	5,153.36	881.81	740.98	140.83	6.262	
14,800.00	9,360.00	15,663.85	10,175.00	115.17	117.67	158.023	1,080.97	5,232.22	881.81	739.38	142.43	6.191	
14,821.13	9,360.00	15,684.98	10,175.00	115.60	118.10	158.023	1,081.03	5,253.36	881.81	738.94	142.86	6.172	
14,900.00	9,360.00	15,763.85	10,175.00	117.18	119.69	158.023	1,081.26	5,332.22	881.81	737.34	144.47	6.104	
14,921.13	9,360.00	15,784.98	10,175.00	117.60	120.11	158.023	1,081.32	5,353.35	881.81	736.91	144.90	6.086	
15,000.00	9,360.00	15,863.85	10,175.00	119.18	121.70	158.023	1,081.55	5,432.22	881.81	735.30	146.51	6.019	
15,021.13	9,360.00	15,884.98	10,175.00	119.61	122.13	158.023	1,081.61	5,453.35	881.81	734.87	146.94	6.001	
15,100.00	9,360.00	15,963.85	10,175.00	121.19	123.72	158.023	1,081.84	5,532.22	881.81	733.26	148.55	5.936	
15,121.13	9,360.00	15,984.98	10,175.00	121.61	124.15	158.023	1,081.91	5,553.35	881.81	732.82	148.98	5.919	
15,200.00	9,360.00	16,063.85	10,175.00	123.20	125.74	158.023	1,082.14	5,632.22	881.81	731.21	150.60	5.855	
15,221.13	9,360.00	16,084.98	10,175.00	123.62	126.17	158.023	1,082.20	5,653.35	881.81	730.78	151.03	5.839	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface	Offset Wellbore Centre		Distance		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)		
15,300.00	9,360.00	16,163.85	10,175.00	125.21	127.76	158.023	1,082.43	5,732.22	881.81	729.16	152.64	5.777	
15,321.13	9,360.00	16,184.98	10,175.00	125.63	128.19	158.023	1,082.49	5,753.35	881.81	728.73	153.08	5.761	
15,400.00	9,360.00	16,263.85	10,175.00	127.22	129.78	158.023	1,082.72	5,832.22	881.81	727.11	154.69	5.700	
15,421.13	9,360.00	16,284.98	10,175.00	127.65	130.21	158.023	1,082.78	5,853.35	881.81	726.68	155.13	5.684	
15,500.00	9,360.00	16,363.85	10,175.00	129.23	131.81	158.023	1,083.01	5,932.22	881.81	725.06	156.74	5.626	
15,521.13	9,360.00	16,384.98	10,175.00	129.66	132.24	158.023	1,083.08	5,953.35	881.81	724.63	157.18	5.610	
15,600.00	9,360.00	16,463.85	10,175.00	131.25	133.84	158.023	1,083.31	6,032.22	881.81	723.01	158.80	5.553	
15,621.13	9,360.00	16,484.98	10,175.00	131.68	134.26	158.023	1,083.37	6,053.35	881.81	722.57	159.23	5.538	
15,700.00	9,360.00	16,563.85	10,175.00	133.27	135.86	158.023	1,083.60	6,132.22	881.81	720.95	160.86	5.482	
15,721.13	9,360.00	16,584.98	10,175.00	133.70	136.29	158.023	1,083.66	6,153.35	881.81	720.52	161.29	5.467	
15,800.00	9,360.00	16,663.85	10,175.00	135.29	137.89	158.023	1,083.89	6,232.22	881.81	718.89	162.91	5.413	
15,821.13	9,360.00	16,684.98	10,175.00	135.72	138.32	158.023	1,083.95	6,253.35	881.81	718.46	163.35	5.398	
15,900.00	9,360.00	16,763.85	10,175.00	137.31	139.92	158.023	1,084.18	6,332.22	881.81	716.83	164.97	5.345	
15,921.13	9,360.00	16,784.98	10,175.00	137.74	140.35	158.023	1,084.25	6,353.35	881.81	716.40	165.41	5.331	
16,000.00	9,360.00	16,863.85	10,175.00	139.33	141.95	158.023	1,084.48	6,432.22	881.81	714.77	167.04	5.279	
16,021.13	9,360.00	16,884.98	10,175.00	139.76	142.38	158.023	1,084.54	6,453.35	881.81	714.33	167.47	5.265	
16,100.00	9,360.00	16,963.85	10,175.00	141.35	143.98	158.023	1,084.77	6,532.22	881.81	712.71	169.10	5.215	
16,121.13	9,360.00	16,984.98	10,175.00	141.78	144.41	158.023	1,084.83	6,553.35	881.81	712.27	169.54	5.201	
16,200.00	9,360.00	17,063.85	10,175.00	143.38	146.02	158.023	1,085.06	6,632.22	881.81	710.64	171.16	5.152	
16,221.13	9,360.00	17,084.98	10,175.00	143.81	146.45	158.023	1,085.12	6,653.35	881.81	710.20	171.60	5.139	
16,300.00	9,360.00	17,163.85	10,175.00	145.41	148.05	158.023	1,085.35	6,732.22	881.81	708.57	173.23	5.090	
16,321.13	9,360.00	17,184.98	10,175.00	145.83	148.48	158.023	1,085.42	6,753.35	881.81	708.14	173.67	5.078	
16,400.00	9,360.00	17,263.85	10,175.00	147.43	150.09	158.023	1,085.65	6,832.22	881.81	706.51	175.30	5.030	
16,421.13	9,360.00	17,284.98	10,175.00	147.86	150.52	158.023	1,085.71	6,853.35	881.81	706.07	175.74	5.018	
16,500.00	9,360.00	17,363.85	10,175.00	149.46	152.12	158.023	1,085.94	6,932.22	881.81	704.44	177.37	4.972	
16,521.13	9,360.00	17,384.98	10,175.00	149.89	152.55	158.023	1,086.00	6,953.35	881.81	704.00	177.81	4.959	
16,600.00	9,360.00	17,463.85	10,175.00	151.49	154.16	158.023	1,086.23	7,032.22	881.81	702.36	179.44	4.914	
16,621.13	9,360.00	17,484.98	10,175.00	151.92	154.59	158.023	1,086.29	7,053.35	881.81	701.93	179.88	4.902	
16,700.00	9,360.00	17,563.85	10,175.00	153.52	156.20	158.023	1,086.52	7,132.21	881.81	700.29	181.51	4.858	
16,721.13	9,360.00	17,584.98	10,175.00	153.95	156.63	158.023	1,086.59	7,153.35	881.81	699.85	181.95	4.846	
16,800.00	9,360.00	17,663.85	10,175.00	155.56	158.24	158.023	1,086.82	7,232.21	881.81	698.22	183.59	4.803	
16,821.13	9,360.00	17,684.98	10,175.00	155.98	158.67	158.023	1,086.88	7,253.35	881.81	697.78	184.03	4.792	
16,900.00	9,360.00	17,763.85	10,175.00	157.59	160.28	158.023	1,087.11	7,332.21	881.81	696.14	185.67	4.749	
16,921.13	9,360.00	17,784.98	10,175.00	158.02	160.71	158.023	1,087.17	7,353.35	881.81	695.70	186.10	4.738	
17,000.00	9,360.00	17,863.85	10,175.00	159.62	162.32	158.023	1,087.40	7,432.21	881.81	694.06	187.74	4.697	
17,021.13	9,360.00	17,884.98	10,175.00	160.05	162.75	158.023	1,087.46	7,453.35	881.81	693.62	188.18	4.686	
17,100.00	9,360.00	17,963.85	10,175.00	161.66	164.36	158.023	1,087.69	7,532.21	881.81	691.99	189.82	4.645	
17,121.13	9,360.00	17,984.98	10,175.00	162.09	164.79	158.023	1,087.76	7,553.35	881.81	691.55	190.26	4.635	
17,200.00	9,360.00	18,063.85	10,175.00	163.69	166.40	158.023	1,087.99	7,632.21	881.81	689.91	191.90	4.595	
17,221.13	9,360.00	18,084.98	10,175.00	164.12	166.83	158.023	1,088.05	7,653.34	881.81	689.47	192.34	4.585	
17,300.00	9,360.00	18,163.85	10,175.00	165.73	168.44	158.023	1,088.28	7,732.21	881.81	687.83	193.98	4.546	
17,321.13	9,360.00	18,184.98	10,175.00	166.16	168.87	158.023	1,088.34	7,753.34	881.81	687.39	194.42	4.536	
17,400.00	9,360.00	18,263.85	10,175.00	167.77	170.48	158.023	1,088.57	7,832.21	881.81	685.74	196.06	4.498	
17,421.13	9,360.00	18,284.98	10,175.00	168.20	170.92	158.023	1,088.63	7,853.34	881.81	685.30	196.50	4.488	
17,500.00	9,360.00	18,363.85	10,175.00	169.80	172.53	158.023	1,088.87	7,932.21	881.81	683.66	198.15	4.450	
17,521.13	9,360.00	18,384.98	10,175.00	170.24	172.96	158.023	1,088.93	7,953.34	881.81	683.22	198.59	4.440	
17,600.00	9,360.00	18,463.85	10,175.00	171.84	174.57	158.023	1,089.16	8,032.21	881.81	681.58	200.23	4.404	
17,621.13	9,360.00	18,484.98	10,175.00	172.27	175.00	158.023	1,089.22	8,053.34	881.81	681.14	200.67	4.394	
17,700.00	9,360.00	18,563.85	10,175.00	173.88	176.62	158.023	1,089.45	8,132.21	881.81	679.49	202.31	4.359	
17,721.13	9,360.00	18,584.98	10,175.00	174.31	177.05	158.023	1,089.51	8,153.34	881.81	679.05	202.76	4.349	
17,800.00	9,360.00	18,663.85	10,175.00	175.92	178.66	158.023	1,089.74	8,232.21	881.81	677.41	204.40	4.314	
17,821.13	9,360.00	18,684.98	10,175.00	176.35	179.09	158.023	1,089.80	8,253.34	881.81	676.96	204.84	4.305	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1												Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1										Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		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)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
17,900.00	9,360.00	18,763.85	10,175.00	177.96	180.71	158.023	1,090.04	8,332.21	881.81	675.32	206.49	4.271	
17,921.13	9,360.00	18,784.98	10,175.00	178.40	181.14	158.023	1,090.10	8,353.34	881.81	674.88	206.93	4.261	
18,000.00	9,360.00	18,863.85	10,175.00	180.01	182.76	158.023	1,090.33	8,432.21	881.81	673.23	208.58	4.228	
18,021.13	9,360.00	18,884.98	10,175.00	180.44	183.19	158.023	1,090.39	8,453.34	881.81	672.79	209.02	4.219	
18,100.00	9,360.00	18,963.85	10,175.00	182.05	184.80	158.023	1,090.62	8,532.21	881.81	671.14	210.66	4.186	
18,121.13	9,360.00	18,984.98	10,175.00	182.48	185.23	158.023	1,090.68	8,553.34	881.81	670.70	211.11	4.177	
18,200.00	9,360.00	19,063.85	10,175.00	184.09	186.85	158.023	1,090.91	8,632.21	881.81	669.05	212.75	4.145	
18,221.13	9,360.00	19,084.98	10,175.00	184.52	187.28	158.023	1,090.97	8,653.34	881.81	668.61	213.20	4.136	
18,300.00	9,360.00	19,163.85	10,175.00	186.13	188.90	158.023	1,091.21	8,732.21	881.81	666.96	214.84	4.104	
18,321.13	9,360.00	19,184.98	10,175.00	186.57	189.33	158.023	1,091.27	8,753.34	881.81	666.52	215.29	4.096	
18,400.00	9,360.00	19,263.85	10,175.00	188.18	190.95	158.023	1,091.50	8,832.21	881.81	664.87	216.94	4.065	
18,421.13	9,360.00	19,284.98	10,175.00	188.61	191.38	158.023	1,091.56	8,853.34	881.81	664.43	217.38	4.057	
18,500.00	9,360.00	19,363.85	10,175.00	190.22	193.00	158.023	1,091.79	8,932.21	881.81	662.78	219.03	4.026	
18,521.13	9,360.00	19,384.98	10,175.00	190.66	193.43	158.023	1,091.85	8,953.34	881.81	662.34	219.47	4.018	
18,600.00	9,360.00	19,463.85	10,175.00	192.27	195.04	158.023	1,092.08	9,032.21	881.81	660.68	221.12	3.988	
18,621.13	9,360.00	19,484.98	10,175.00	192.70	195.48	158.023	1,092.14	9,053.34	881.81	660.24	221.56	3.980	
18,700.00	9,360.00	19,563.85	10,175.00	194.31	197.09	158.023	1,092.38	9,132.21	881.81	658.59	223.21	3.950	
18,721.13	9,360.00	19,584.98	10,175.00	194.75	197.53	158.023	1,092.44	9,153.34	881.81	658.15	223.66	3.943	
18,800.00	9,360.00	19,663.85	10,175.00	196.36	199.15	158.023	1,092.67	9,232.21	881.81	656.50	225.31	3.914	
18,821.13	9,360.00	19,684.98	10,175.00	196.79	199.58	158.023	1,092.73	9,253.34	881.81	656.05	225.75	3.906	
18,900.00	9,360.00	19,763.85	10,175.00	198.41	201.20	158.023	1,092.96	9,332.21	881.81	654.40	227.40	3.878	
18,921.13	9,360.00	19,784.98	10,175.00	198.84	201.63	158.023	1,093.02	9,353.34	881.81	653.96	227.85	3.870	
19,000.00	9,360.00	19,863.85	10,175.00	200.45	203.25	158.023	1,093.25	9,432.20	881.81	652.31	229.50	3.842	
19,021.13	9,360.00	19,884.98	10,175.00	200.89	203.68	158.023	1,093.32	9,453.34	881.81	651.86	229.94	3.835	
19,100.00	9,360.00	19,963.85	10,175.00	202.50	205.30	158.023	1,093.55	9,532.20	881.81	650.21	231.60	3.808	
19,121.13	9,360.00	19,984.98	10,175.00	202.93	205.73	158.023	1,093.61	9,553.34	881.81	649.77	232.04	3.800	
19,200.00	9,360.00	20,063.85	10,175.00	204.55	207.35	158.023	1,093.84	9,632.20	881.81	648.11	233.69	3.773	
19,221.13	9,360.00	20,084.98	10,175.00	204.98	207.78	158.023	1,093.90	9,653.34	881.81	647.67	234.14	3.766	
19,300.00	9,360.00	20,163.85	10,175.00	206.60	209.40	158.023	1,094.13	9,732.20	881.81	646.01	235.79	3.740	
19,321.13	9,360.00	20,184.98	10,175.00	207.03	209.84	158.023	1,094.19	9,753.34	881.81	645.57	236.23	3.733	
19,400.00	9,360.00	20,263.85	10,175.00	208.65	211.46	158.023	1,094.42	9,832.20	881.81	643.92	237.89	3.707	
19,421.13	9,360.00	20,284.98	10,175.00	209.08	211.89	158.023	1,094.49	9,853.34	881.81	643.47	238.33	3.700	
19,500.00	9,360.00	20,363.85	10,175.00	210.70	213.51	158.023	1,094.72	9,932.20	881.81	641.82	239.99	3.674	
19,521.13	9,360.00	20,384.98	10,175.00	211.13	213.94	158.023	1,094.78	9,953.34	881.81	641.37	240.43	3.668	
19,600.00	9,360.00	20,463.85	10,175.00	212.75	215.56	158.023	1,095.01	10,032.20	881.81	639.72	242.09	3.642	
19,621.13	9,360.00	20,484.98	10,175.00	213.18	216.00	158.023	1,095.07	10,053.33	881.81	639.27	242.53	3.636	
19,700.00	9,360.00	20,563.85	10,175.00	214.80	217.61	158.023	1,095.30	10,132.20	881.81	637.62	244.19	3.611	
19,721.13	9,360.00	20,584.98	10,175.00	215.23	218.05	158.023	1,095.36	10,153.33	881.81	637.17	244.63	3.605	
19,800.00	9,360.00	20,663.85	10,175.00	216.85	219.67	158.023	1,095.59	10,232.20	881.81	635.52	246.29	3.580	
19,821.13	9,360.00	20,684.98	10,175.00	217.28	220.10	158.023	1,095.66	10,253.33	881.81	635.07	246.73	3.574	
19,900.00	9,360.00	20,763.85	10,175.00	218.90	221.72	158.023	1,095.89	10,332.20	881.81	633.41	248.39	3.550	
19,921.13	9,360.00	20,784.98	10,175.00	219.33	222.16	158.023	1,095.95	10,353.33	881.81	632.97	248.84	3.544	
20,000.00	9,360.00	20,863.85	10,175.00	220.95	223.78	158.023	1,096.18	10,432.20	881.81	631.31	250.49	3.520	
20,021.13	9,360.00	20,884.98	10,175.00	221.38	224.21	158.023	1,096.24	10,453.33	881.81	630.87	250.94	3.514	
20,100.00	9,360.00	20,963.85	10,175.00	223.00	225.83	158.023	1,096.47	10,532.20	881.81	629.21	252.60	3.491	
20,121.13	9,360.00	20,984.98	10,175.00	223.43	226.27	158.023	1,096.53	10,553.33	881.81	628.77	253.04	3.485	
20,200.00	9,360.00	21,063.85	10,175.00	225.05	227.89	158.023	1,096.76	10,632.20	881.81	627.11	254.70	3.462	
20,221.13	9,360.00	21,084.98	10,175.00	225.49	228.32	158.023	1,096.83	10,653.33	881.81	626.66	255.14	3.456	
20,300.00	9,360.00	21,163.85	10,175.00	227.11	229.94	158.023	1,097.06	10,732.20	881.81	625.00	256.80	3.434	
20,321.13	9,360.00	21,184.98	10,175.00	227.54	230.38	158.023	1,097.12	10,753.33	881.81	624.56	257.25	3.428	
20,400.00	9,360.00	21,263.85	10,175.00	229.16	232.00	158.023	1,097.35	10,832.20	881.81	622.90	258.91	3.406	
20,421.13	9,360.00	21,284.98	10,175.00	229.59	232.43	158.023	1,097.41	10,853.33	881.81	622.45	259.35	3.400	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+IFR1										Rule Assigned:		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		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			
20,500.00	9,360.00	21,363.85	10,175.00	231.21	234.05	158.023	1,097.64	10,932.20	881.81	620.79	261.01	3.378			
20,521.13	9,360.00	21,384.98	10,175.00	231.64	234.49	158.023	1,097.70	10,953.33	881.81	620.35	261.46	3.373			
20,600.00	9,360.00	21,463.85	10,175.00	233.26	236.11	158.023	1,097.93	11,032.20	881.80	618.69	263.12	3.351			
20,621.13	9,360.00	21,484.98	10,175.00	233.70	236.54	158.023	1,098.00	11,053.33	881.80	618.24	263.56	3.346			
20,700.00	9,360.00	21,563.85	10,175.00	235.32	238.17	158.023	1,098.23	11,132.20	881.80	616.58	265.22	3.325			
20,721.13	9,360.00	21,584.98	10,175.00	235.75	238.60	158.023	1,098.29	11,153.33	881.80	616.14	265.67	3.319			
20,800.00	9,360.00	21,663.85	10,175.00	237.37	240.22	158.023	1,098.52	11,232.20	881.80	614.48	267.33	3.299			
20,821.13	9,360.00	21,684.98	10,175.00	237.81	240.66	158.023	1,098.58	11,253.33	881.80	614.03	267.77	3.293			
20,900.00	9,360.00	21,763.85	10,175.00	239.43	242.28	158.023	1,098.81	11,332.20	881.80	612.37	269.43	3.273			
20,921.13	9,360.00	21,784.98	10,175.00	239.86	242.71	158.023	1,098.87	11,353.33	881.80	611.93	269.88	3.267			
21,000.00	9,360.00	21,863.85	10,175.00	241.48	244.34	158.023	1,099.10	11,432.20	881.80	610.27	271.54	3.247			
21,021.13	9,360.00	21,884.98	10,175.00	241.91	244.77	158.023	1,099.17	11,453.33	881.80	609.82	271.98	3.242			
21,100.00	9,360.00	21,963.85	10,175.00	243.53	246.39	158.023	1,099.40	11,532.20	881.80	608.16	273.65	3.222			
21,121.13	9,360.00	21,984.98	10,175.00	243.97	246.83	158.023	1,099.46	11,553.33	881.80	607.71	274.09	3.217			
21,200.00	9,360.00	22,063.85	10,175.00	245.59	248.45	158.023	1,099.69	11,632.20	881.80	606.05	275.75	3.198			
21,221.13	9,360.00	22,084.98	10,175.00	246.02	248.89	158.023	1,099.75	11,653.33	881.80	605.61	276.20	3.193			
21,300.00	9,360.00	22,163.85	10,175.00	247.64	250.51	158.023	1,099.98	11,732.20	881.80	603.94	277.86	3.174			
21,321.13	9,360.00	22,184.98	10,175.00	248.08	250.94	158.023	1,100.04	11,753.33	881.80	603.50	278.31	3.168			
21,400.00	9,360.00	22,263.85	10,175.00	249.70	252.57	158.023	1,100.27	11,832.19	881.80	601.83	279.97	3.150			
21,421.13	9,360.00	22,284.98	10,175.00	250.13	253.00	158.023	1,100.34	11,853.33	881.80	601.39	280.42	3.145			
21,500.00	9,360.00	22,363.85	10,175.00	251.76	254.62	158.023	1,100.57	11,932.19	881.80	599.73	282.08	3.126			
21,521.13	9,360.00	22,384.98	10,175.00	252.19	255.06	158.023	1,100.63	11,953.33	881.80	599.28	282.52	3.121			
21,600.00	9,360.00	22,463.85	10,175.00	253.81	256.68	158.023	1,100.86	12,032.19	881.80	597.62	284.19	3.103			
21,621.13	9,360.00	22,484.98	10,175.00	254.25	257.12	158.023	1,100.92	12,053.33	881.80	597.17	284.63	3.098			
21,700.00	9,360.00	22,563.85	10,175.00	255.87	258.74	158.023	1,101.15	12,132.19	881.80	595.51	286.30	3.080			
21,721.13	9,360.00	22,584.98	10,175.00	256.30	259.18	158.023	1,101.21	12,153.33	881.80	595.06	286.74	3.075			
21,800.00	9,360.00	22,663.85	10,175.00	257.92	260.80	158.023	1,101.44	12,232.19	881.80	593.40	288.41	3.058			
21,821.13	9,360.00	22,684.98	10,175.00	258.36	261.23	158.023	1,101.51	12,253.33	881.80	592.95	288.85	3.053			
21,900.00	9,360.00	22,763.85	10,175.00	259.98	262.86	158.023	1,101.74	12,332.19	881.80	591.29	290.52	3.035			
21,921.13	9,360.00	22,784.98	10,175.00	260.41	263.29	158.023	1,101.80	12,353.32	881.80	590.84	290.96	3.031			
22,000.00	9,360.00	22,863.85	10,175.00	262.04	264.92	158.023	1,102.03	12,432.19	881.80	589.18	292.63	3.013			
22,021.13	9,360.00	22,884.98	10,175.00	262.47	265.35	158.023	1,102.09	12,453.32	881.80	588.73	293.07	3.009			
22,100.00	9,360.00	22,963.85	10,175.00	264.09	266.98	158.023	1,102.32	12,532.19	881.80	587.07	294.74	2.992			
22,121.13	9,360.00	22,984.98	10,175.00	264.53	267.41	158.023	1,102.38	12,553.32	881.80	586.62	295.18	2.987			
22,200.00	9,360.00	23,063.85	10,175.00	266.15	269.03	158.023	1,102.61	12,632.19	881.80	584.96	296.85	2.971			
22,221.13	9,360.00	23,084.98	10,175.00	266.59	269.47	158.023	1,102.68	12,653.32	881.80	584.51	297.30	2.966			
22,300.00	9,360.00	23,163.85	10,175.00	268.21	271.09	158.023	1,102.91	12,732.19	881.80	582.84	298.96	2.950			
22,321.13	9,360.00	23,184.98	10,175.00	268.64	271.53	158.023	1,102.97	12,753.32	881.80	582.40	299.41	2.945			
22,400.00	9,360.00	23,263.85	10,175.00	270.27	273.15	158.023	1,103.20	12,832.19	881.80	580.73	301.07	2.929			
22,421.13	9,360.00	23,284.98	10,175.00	270.70	273.59	158.023	1,103.26	12,853.32	881.80	580.29	301.52	2.925			
22,500.00	9,360.00	23,363.85	10,175.00	272.32	275.21	158.023	1,103.49	12,932.19	881.80	578.62	303.18	2.908			
22,521.13	9,360.00	23,384.98	10,175.00	272.76	275.65	158.023	1,103.55	12,953.32	881.80	578.17	303.63	2.904			
22,600.00	9,360.00	23,463.85	10,175.00	274.38	277.27	158.023	1,103.78	13,032.19	881.80	576.51	305.30	2.888			
22,621.13	9,360.00	23,484.98	10,175.00	274.82	277.71	158.023	1,103.85	13,053.32	881.80	576.06	305.74	2.884			
22,700.00	9,360.00	23,563.85	10,175.00	276.44	279.33	158.023	1,104.08	13,132.19	881.80	574.40	307.41	2.869			
22,721.13	9,360.00	23,584.98	10,175.00	276.87	279.77	158.023	1,104.14	13,153.32	881.80	573.95	307.86	2.864			
22,800.00	9,360.00	23,663.85	10,175.00	278.50	281.39	158.023	1,104.37	13,232.19	881.80	572.28	309.52	2.849			
22,821.13	9,360.00	23,684.98	10,175.00	278.93	281.83	158.023	1,104.43	13,253.32	881.80	571.84	309.97	2.845			
22,900.00	9,360.00	23,763.85	10,175.00	280.56	283.45	158.023	1,104.66	13,332.19	881.80	570.17	311.63	2.830			
22,906.07	9,360.00	23,769.92	10,175.00	280.68	283.58	158.023	1,104.68	13,338.25	881.80	570.04	311.76	2.828			
22,928.71	9,360.00	23,792.56	10,175.00	281.15	284.05	158.023	1,104.75	13,360.90	881.80	569.56	312.24	2.824 SF			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-61.379	112.14	-205.50	234.12				
100.00	100.00	97.27	97.27	0.79	0.76	-61.379	112.14	-205.50	234.11	232.56	1.55	151.051	
200.00	200.00	197.27	197.27	1.45	1.43	-61.379	112.14	-205.50	234.11	231.23	2.87	81.452	
300.00	300.00	297.27	297.27	1.89	1.88	-61.379	112.14	-205.50	234.11	230.33	3.77	62.077	
400.00	400.00	397.27	397.27	2.25	2.24	-61.379	112.14	-205.50	234.11	229.61	4.50	52.053	
500.00	500.00	497.27	497.27	2.57	2.56	-61.379	112.14	-205.50	234.11	228.98	5.13	45.663	
600.00	600.00	597.27	597.27	2.85	2.84	-61.379	112.14	-205.50	234.11	228.41	5.69	41.133	
700.00	700.00	697.27	697.27	3.11	3.10	-61.379	112.14	-205.50	234.11	227.90	6.21	37.703	
800.00	800.00	797.27	797.27	3.35	3.34	-61.379	112.14	-205.50	234.11	227.41	6.69	34.988	
900.00	900.00	897.27	897.27	3.58	3.57	-61.379	112.14	-205.50	234.11	226.96	7.14	32.769	
1,000.00	1,000.00	997.27	997.27	3.79	3.78	-61.379	112.14	-205.50	234.11	226.53	7.57	30.911	
1,100.00	1,100.00	1,097.27	1,097.27	3.99	3.99	-61.379	112.14	-205.50	234.11	226.12	7.98	29.324	
1,200.00	1,200.00	1,197.27	1,197.27	4.19	4.19	-61.379	112.14	-205.50	234.11	225.73	8.38	27.949	
1,300.00	1,300.00	1,297.27	1,297.27	4.38	4.37	-61.379	112.14	-205.50	234.11	225.35	8.75	26.741	
1,400.00	1,400.00	1,397.27	1,397.27	4.56	4.56	-61.379	112.14	-205.50	234.11	224.99	9.12	25.669	
1,500.00	1,500.00	1,497.27	1,497.27	4.74	4.73	-61.379	112.14	-205.50	234.11	224.63	9.47	24.709	
1,600.00	1,600.00	1,597.27	1,597.27	4.91	4.91	-61.379	112.14	-205.50	234.11	224.29	9.82	23.843	
1,700.00	1,700.00	1,697.27	1,697.27	5.08	5.07	-61.379	112.14	-205.50	234.11	223.95	10.15	23.056	
1,800.00	1,800.00	1,797.27	1,797.27	5.24	5.24	-61.379	112.14	-205.50	234.11	223.63	10.48	22.337	
1,900.00	1,900.00	1,897.27	1,897.27	5.40	5.40	-61.379	112.14	-205.50	234.11	223.31	10.80	21.676	
2,000.00	2,000.00	1,997.27	1,997.27	5.56	5.55	-61.379	112.14	-205.50	234.11	222.99	11.11	21.066	
2,100.00	2,099.98	2,093.26	2,093.24	5.80	5.78	-50.532	113.66	-205.58	233.83	222.36	11.47	20.387	
2,200.00	2,199.84	2,189.13	2,189.00	6.05	6.02	-50.509	118.37	-205.85	233.10	221.28	11.82	19.714	
2,300.00	2,299.45	2,285.02	2,284.55	6.31	6.27	-50.457	126.28	-206.29	231.91	219.73	12.18	19.039	
2,400.00	2,398.70	2,380.91	2,379.79	6.59	6.54	-50.375	137.39	-206.90	230.28	217.73	12.55	18.354	
2,500.00	2,497.47	2,476.81	2,474.61	6.89	6.82	-50.263	151.67	-207.70	228.19	215.26	12.92	17.656	
2,600.00	2,595.62	2,573.87	2,570.07	7.21	7.04	-50.147	169.20	-208.67	225.58	212.32	13.26	17.010	
2,700.00	2,693.06	2,673.76	2,668.16	7.54	7.29	-50.556	188.07	-209.72	221.20	207.55	13.65	16.204	
2,800.00	2,789.64	2,773.46	2,766.05	7.90	7.57	-51.736	206.90	-210.76	214.64	200.59	14.05	15.279	
2,900.00	2,885.35	2,872.87	2,863.67	8.18	7.87	-53.668	225.67	-211.81	206.25	191.90	14.35	14.377	
3,000.00	2,980.88	2,972.22	2,961.22	8.51	8.18	-55.827	244.44	-212.85	197.74	183.06	14.68	13.469	
3,100.00	3,076.41	3,071.56	3,058.77	8.85	8.51	-58.174	263.20	-213.89	189.53	174.53	15.00	12.636	
3,200.00	3,171.93	3,170.91	3,156.33	9.22	8.85	-60.728	281.97	-214.93	181.67	166.37	15.30	11.875	
3,300.00	3,267.46	3,270.26	3,253.88	9.59	9.20	-63.505	300.73	-215.97	174.20	158.63	15.57	11.186	
3,400.00	3,362.99	3,369.60	3,351.43	9.98	9.56	-66.521	319.50	-217.02	167.18	151.35	15.82	10.564	
3,500.00	3,458.52	3,468.95	3,448.99	10.38	9.93	-69.789	338.26	-218.06	160.66	144.60	16.06	10.006	
3,600.00	3,554.04	3,568.30	3,546.54	10.79	10.30	-73.319	357.03	-219.10	154.71	138.43	16.28	9.504	
3,700.00	3,649.57	3,667.64	3,644.09	11.20	10.69	-77.112	375.79	-220.14	149.40	132.89	16.51	9.051	
3,800.00	3,745.10	3,766.99	3,741.64	11.63	11.07	-81.162	394.56	-221.19	144.79	128.03	16.76	8.638	
3,900.00	3,840.62	3,866.34	3,839.20	12.06	11.47	-85.453	413.32	-222.23	140.96	123.88	17.08	8.253	
4,000.00	3,936.15	3,965.68	3,936.75	12.50	11.87	-89.953	432.09	-223.27	137.97	120.48	17.49	7.886	
4,100.00	4,031.68	4,065.03	4,034.30	12.94	12.27	-94.620	450.85	-224.31	135.88	117.84	18.04	7.532	
4,200.00	4,127.21	4,164.38	4,131.86	13.38	12.68	-99.399	469.62	-225.35	134.72	115.98	18.75	7.187	
4,270.21	4,194.28	4,234.13	4,200.35	13.70	12.97	-102.787	482.79	-226.09	134.48	115.14	19.35	6.952 CC	
4,300.00	4,222.73	4,263.72	4,229.41	13.84	13.09	-104.225	488.38	-226.40	134.53	114.90	19.62	6.855	
4,300.27	4,222.99	4,264.00	4,229.68	13.84	13.09	-104.238	488.43	-226.40	134.53	114.90	19.63	6.854	
4,400.00	4,318.26	4,363.07	4,326.96	14.29	13.50	-109.031	507.15	-227.44	135.30	114.62	20.67	6.545 ES	
4,500.00	4,413.79	4,462.42	4,424.51	14.75	13.92	-113.750	525.91	-228.48	137.02	115.15	21.87	6.265	
4,600.00	4,509.32	4,561.76	4,522.07	15.21	14.34	-118.324	544.68	-229.52	139.65	116.47	23.18	6.024	
4,700.00	4,604.84	4,661.11	4,619.62	15.68	14.77	-122.704	563.44	-230.56	143.15	118.57	24.58	5.824	
4,800.00	4,700.37	4,760.46	4,717.17	16.15	15.19	-126.854	582.21	-231.61	147.45	121.42	26.03	5.666	
4,900.00	4,795.90	4,859.80	4,814.73	16.62	15.62	-130.753	600.97	-232.65	152.48	124.99	27.49	5.547	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1							Rule Assigned:				Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	
5,000.00	4,891.42	4,959.15	4,912.28	17.09	16.05	-134.389	619.74	-233.69	158.18	129.23	28.95	5.464		
5,100.00	4,986.95	5,058.50	5,009.83	17.57	16.48	-137.762	638.50	-234.73	164.48	134.09	30.39	5.412		
5,200.00	5,082.48	5,157.84	5,107.38	18.05	16.91	-140.878	657.27	-235.78	171.30	139.50	31.80	5.387		
5,300.00	5,178.01	5,257.19	5,204.94	18.53	17.35	-143.750	676.03	-236.82	178.60	145.42	33.18	5.383		
5,400.00	5,273.53	5,356.54	5,302.49	19.01	17.78	-146.392	694.80	-237.86	186.31	151.79	34.52	5.397		
5,500.00	5,369.06	5,455.88	5,400.04	19.49	18.22	-148.821	713.56	-238.90	194.38	158.56	35.82	5.426		
5,600.00	5,464.59	5,555.23	5,497.60	19.98	18.66	-151.054	732.33	-239.94	202.77	165.68	37.09	5.467		
5,700.00	5,560.11	5,654.58	5,595.15	20.46	19.10	-153.107	751.09	-240.99	211.45	173.12	38.33	5.517		
5,800.00	5,655.64	5,753.92	5,692.70	20.95	19.54	-154.998	769.86	-242.03	220.37	180.84	39.53	5.574		
5,900.00	5,751.17	5,853.27	5,790.25	21.44	19.98	-156.740	788.62	-243.07	229.52	188.81	40.71	5.637		
6,000.00	5,846.70	5,952.62	5,887.81	21.93	20.42	-158.347	807.39	-244.11	238.86	196.99	41.87	5.705		
6,100.00	5,942.22	6,051.96	5,985.36	22.42	20.87	-159.833	826.15	-245.16	248.38	205.38	43.00	5.776		
6,200.00	6,037.75	6,151.31	6,082.91	22.91	21.31	-161.209	844.92	-246.20	258.05	213.93	44.12	5.849		
6,300.00	6,133.28	6,250.66	6,180.47	23.40	21.76	-162.486	863.68	-247.24	267.85	222.64	45.22	5.924		
6,400.00	6,228.81	6,350.00	6,278.02	23.90	22.20	-163.672	882.45	-248.28	277.78	231.48	46.30	6.000		
6,500.00	6,324.33	6,449.35	6,375.57	24.39	22.65	-164.776	901.21	-249.32	287.82	240.45	47.37	6.076		
6,600.00	6,419.86	6,548.70	6,473.12	24.89	23.10	-165.805	919.98	-250.37	297.96	249.53	48.43	6.153		
6,700.00	6,515.60	6,648.12	6,570.75	25.37	23.54	-166.763	938.76	-251.41	307.46	258.00	49.46	6.216		
6,800.00	6,612.24	6,747.83	6,668.66	25.87	23.99	-167.536	957.59	-252.46	313.84	263.35	50.49	6.216		
6,900.00	6,709.71	6,847.73	6,766.75	26.36	24.45	-168.137	976.46	-253.50	316.86	265.37	51.49	6.154		
7,000.00	6,807.91	6,947.69	6,864.91	26.83	24.90	-168.588	995.34	-254.55	316.49	264.03	52.46	6.033		
7,100.00	6,906.70	7,047.10	6,962.53	27.29	25.34	-168.904	1,014.11	-255.59	312.72	259.34	53.38	5.858		
7,200.00	7,005.97	7,137.21	7,051.29	27.72	25.74	-169.096	1,029.60	-256.45	307.25	253.10	54.15	5.674		
7,300.00	7,105.61	7,227.47	7,140.64	28.11	26.14	-169.214	1,042.31	-257.16	301.51	246.67	54.84	5.498		
7,400.00	7,205.47	7,317.88	7,230.50	28.47	26.52	-169.251	1,052.22	-257.71	295.49	240.07	55.41	5.332		
7,500.00	7,305.46	7,408.45	7,320.79	28.62	26.88	-179.943	1,059.30	-258.10	289.19	233.48	55.71	5.191		
7,600.00	7,405.46	7,500.00	7,412.24	28.70	27.20	-179.989	1,063.56	-258.34	284.53	228.65	55.87	5.092		
7,700.00	7,505.46	7,590.50	7,502.73	28.74	27.34	-179.995	1,064.90	-258.42	283.03	227.28	55.74	5.077		
7,800.00	7,605.46	7,690.50	7,602.73	28.78	27.39	-179.995	1,064.90	-258.42	283.03	227.19	55.84	5.069		
7,900.00	7,705.46	7,790.50	7,702.73	28.82	27.44	-179.995	1,064.90	-258.42	283.03	227.10	55.93	5.060		
8,000.00	7,805.46	7,890.50	7,802.73	28.87	27.48	-179.995	1,064.90	-258.42	283.03	227.01	56.02	5.052		
8,073.52	7,878.97	7,964.03	7,876.24	28.90	27.49	-179.832	1,064.91	-257.57	283.02	226.95	56.07	5.047		
8,100.00	7,905.46	7,990.39	7,902.52	28.91	27.49	-179.419	1,064.91	-255.53	283.03	226.92	56.11	5.044		
8,200.00	8,005.46	8,086.91	7,997.28	28.95	27.50	-175.841	1,064.96	-237.82	283.77	227.64	56.12	5.056		
8,300.00	8,105.46	8,175.29	8,080.34	29.00	27.51	-169.874	1,065.05	-207.87	288.23	232.90	55.33	5.210		
8,400.00	8,205.46	8,250.00	8,146.27	29.04	27.54	-163.167	1,065.15	-172.84	300.78	247.80	52.98	5.677		
8,500.00	8,305.46	8,319.42	8,202.97	29.08	27.59	-156.054	1,065.27	-132.86	324.97	275.56	49.41	6.576		
8,600.00	8,405.46	8,375.50	8,244.98	29.12	27.65	-150.073	1,065.38	-95.74	362.18	317.12	45.07	8.037		
8,700.00	8,505.46	8,422.62	8,277.33	29.17	27.72	-145.120	1,065.48	-61.50	411.52	370.56	40.96	10.046		
8,800.00	8,605.46	8,462.26	8,302.29	29.21	27.79	-141.120	1,065.57	-30.72	470.98	433.33	37.66	12.508		
8,900.00	8,705.46	8,500.00	8,324.02	29.26	27.87	-137.515	1,065.66	0.13	538.45	503.12	35.32	15.244		
9,000.00	8,805.45	8,524.41	8,336.98	29.29	27.94	-47.919	1,065.72	20.81	611.85	578.16	33.69	18.162		
9,100.00	8,904.61	8,550.00	8,349.60	29.27	28.01	-38.924	1,065.79	43.07	684.70	652.03	32.67	20.961		
9,200.00	9,000.20	8,585.40	8,365.40	29.26	28.12	-32.138	1,065.88	74.74	752.39	720.25	32.14	23.407		
9,300.00	9,089.32	8,619.00	8,378.57	29.27	28.25	-27.490	1,065.97	105.65	813.44	781.54	31.90	25.499		
9,400.00	9,169.25	8,650.00	8,389.08	29.32	28.37	-24.279	1,066.05	134.81	866.72	834.87	31.85	27.210		
9,500.00	9,237.56	8,700.00	8,402.67	29.44	28.61	-21.912	1,066.19	182.91	911.47	879.45	32.02	28.469		
9,600.00	9,292.19	8,726.83	8,408.23	29.66	28.75	-20.449	1,066.27	209.16	946.71	914.49	32.22	29.379		
9,700.00	9,331.47	8,750.00	8,412.02	30.00	28.87	-19.492	1,066.34	232.01	972.65	940.14	32.51	29.918		
9,800.00	9,354.20	8,800.00	8,417.06	30.47	29.17	-19.011	1,066.48	281.74	988.04	955.11	32.92	30.011		
9,822.25	9,357.01	8,810.19	8,417.55	30.60	29.24	-18.973	1,066.51	291.91	990.20	957.20	33.00	30.004		
9,900.00	9,360.00	8,850.64	8,418.00	31.06	29.51	-19.009	1,066.63	332.37	993.66	960.37	33.29	29.851		

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,923.27	9,360.00	8,873.87	8,418.00	31.24	29.68	19.093	1,066.70	355.60	994.11	960.73	33.38	29.777	
10,000.00	9,360.00	8,950.53	8,418.00	31.80	30.28	19.288	1,066.92	432.25	995.17	961.43	33.74	29.497	
10,023.44	9,360.00	8,973.96	8,418.00	32.00	30.48	19.323	1,066.99	455.68	995.36	961.50	33.86	29.396	
10,100.00	9,360.00	9,050.52	8,418.00	32.64	31.17	19.358	1,067.22	532.24	995.56	961.26	34.30	29.029	
10,200.00	9,360.00	9,150.52	8,418.00	33.59	32.16	19.358	1,067.51	632.24	995.56	960.59	34.97	28.471	
10,229.37	9,360.00	9,179.89	8,418.00	33.90	32.47	19.358	1,067.60	661.61	995.56	960.37	35.19	28.294	
10,300.00	9,360.00	9,250.52	8,418.00	34.63	33.25	19.358	1,067.80	732.24	995.56	959.82	35.74	27.855	
10,329.37	9,360.00	9,279.89	8,418.00	34.97	33.59	19.358	1,067.89	761.61	995.56	959.57	35.99	27.664	
10,400.00	9,360.00	9,350.52	8,418.00	35.76	34.44	19.358	1,068.09	832.24	995.56	958.95	36.61	27.195	
10,429.37	9,360.00	9,379.89	8,418.00	36.12	34.80	19.358	1,068.18	861.61	995.56	958.67	36.88	26.993	
10,500.00	9,360.00	9,450.52	8,418.00	36.98	35.70	19.358	1,068.39	932.24	995.56	957.99	37.56	26.503	
10,529.37	9,360.00	9,479.89	8,418.00	37.36	36.08	19.358	1,068.47	961.61	995.56	957.69	37.86	26.294	
10,600.00	9,360.00	9,550.52	8,418.00	38.27	37.04	19.358	1,068.68	1,032.24	995.56	956.95	38.60	25.790	
10,629.37	9,360.00	9,579.89	8,418.00	38.66	37.44	19.358	1,068.77	1,061.61	995.56	956.63	38.92	25.577	
10,700.00	9,360.00	9,650.52	8,418.00	39.62	38.44	19.358	1,068.97	1,132.24	995.56	955.84	39.72	25.067	
10,729.37	9,360.00	9,679.89	8,418.00	40.03	38.86	19.358	1,069.06	1,161.61	995.56	955.50	40.06	24.853	
10,800.00	9,360.00	9,750.52	8,418.00	41.03	39.91	19.358	1,069.26	1,232.24	995.56	954.66	40.90	24.342	
10,829.37	9,360.00	9,779.89	8,418.00	41.46	40.34	19.358	1,069.35	1,261.61	995.56	954.30	41.26	24.129	
10,900.00	9,360.00	9,850.52	8,418.00	42.50	41.42	19.358	1,069.56	1,332.24	995.56	953.41	42.14	23.623	
10,929.37	9,360.00	9,879.89	8,418.00	42.94	41.87	19.358	1,069.64	1,361.61	995.56	953.03	42.52	23.413	
11,000.00	9,360.00	9,950.52	8,418.00	44.01	42.98	19.358	1,069.85	1,432.24	995.56	952.11	43.45	22.914	
11,029.37	9,360.00	9,979.89	8,418.00	44.47	43.45	19.358	1,069.94	1,461.61	995.56	951.71	43.84	22.708	
11,100.00	9,360.00	10,050.52	8,418.00	45.57	44.58	19.358	1,070.14	1,532.24	995.55	950.75	44.80	22.221	
11,129.37	9,360.00	10,079.89	8,418.00	46.04	45.06	19.358	1,070.23	1,561.61	995.55	950.34	45.21	22.020	
11,200.00	9,360.00	10,150.52	8,418.00	47.17	46.22	19.358	1,070.43	1,632.24	995.55	949.35	46.21	21.546	
11,229.37	9,360.00	10,179.89	8,418.00	47.65	46.71	19.358	1,070.52	1,661.61	995.55	948.93	46.63	21.351	
11,300.00	9,360.00	10,250.52	8,418.00	48.80	47.90	19.358	1,070.73	1,732.24	995.55	947.90	47.65	20.891	
11,329.37	9,360.00	10,279.89	8,418.00	49.29	48.39	19.358	1,070.81	1,761.60	995.55	947.47	48.09	20.703	
11,400.00	9,360.00	10,350.52	8,418.00	50.47	49.60	19.358	1,071.02	1,832.24	995.55	946.41	49.14	20.259	
11,429.37	9,360.00	10,379.89	8,418.00	50.96	50.10	19.358	1,071.11	1,861.60	995.55	945.97	49.59	20.077	
11,500.00	9,360.00	10,450.52	8,418.00	52.16	51.33	19.358	1,071.31	1,932.24	995.55	944.89	50.66	19.650	
11,529.37	9,360.00	10,479.89	8,418.00	52.67	51.84	19.358	1,071.40	1,961.60	995.55	944.44	51.12	19.475	
11,600.00	9,360.00	10,550.52	8,418.00	53.88	53.08	19.358	1,071.61	2,032.24	995.55	943.33	52.22	19.064	
11,629.37	9,360.00	10,579.89	8,418.00	54.39	53.60	19.358	1,071.69	2,061.60	995.55	942.87	52.68	18.896	
11,700.00	9,360.00	10,650.52	8,418.00	55.63	54.86	19.358	1,071.90	2,132.24	995.55	941.75	53.81	18.502	
11,729.37	9,360.00	10,679.89	8,418.00	56.14	55.39	19.358	1,071.98	2,161.60	995.55	941.28	54.28	18.341	
11,800.00	9,360.00	10,750.52	8,418.00	57.39	56.66	19.358	1,072.19	2,232.24	995.55	940.13	55.42	17.963	
11,829.37	9,360.00	10,779.89	8,418.00	57.92	57.19	19.358	1,072.28	2,261.60	995.55	939.65	55.90	17.809	
11,900.00	9,360.00	10,850.52	8,418.00	59.18	58.47	19.358	1,072.48	2,332.24	995.55	938.49	57.06	17.447	
11,929.37	9,360.00	10,879.89	8,418.00	59.71	59.01	19.358	1,072.57	2,361.60	995.55	938.01	57.55	17.299	
12,000.00	9,360.00	10,950.52	8,418.00	60.98	60.30	19.358	1,072.78	2,432.23	995.55	936.83	58.72	16.953	
12,029.37	9,360.00	10,979.89	8,418.00	61.51	60.84	19.358	1,072.86	2,461.60	995.55	936.34	59.22	16.812	
12,100.00	9,360.00	11,050.52	8,418.00	62.80	62.15	19.358	1,073.07	2,532.23	995.55	935.15	60.41	16.480	
12,129.37	9,360.00	11,079.89	8,418.00	63.34	62.69	19.358	1,073.15	2,561.60	995.55	934.65	60.91	16.345	
12,200.00	9,360.00	11,150.52	8,418.00	64.64	64.01	19.358	1,073.36	2,632.23	995.55	933.44	62.11	16.028	
12,229.37	9,360.00	11,179.89	8,418.00	65.18	64.56	19.358	1,073.45	2,661.60	995.55	932.94	62.62	15.899	
12,300.00	9,360.00	11,250.52	8,418.00	66.48	65.88	19.358	1,073.65	2,732.23	995.55	931.72	63.83	15.596	
12,329.37	9,360.00	11,279.89	8,418.00	67.03	66.43	19.358	1,073.74	2,761.60	995.55	931.21	64.34	15.473	
12,400.00	9,360.00	11,350.52	8,418.00	68.35	67.77	19.358	1,073.95	2,832.23	995.55	929.98	65.57	15.183	
12,429.37	9,360.00	11,379.89	8,418.00	68.90	68.32	19.358	1,074.03	2,861.60	995.55	929.47	66.08	15.065	
12,500.00	9,360.00	11,450.52	8,418.00	70.22	69.66	19.358	1,074.24	2,932.23	995.55	928.23	67.32	14.788	
12,529.37	9,360.00	11,479.89	8,418.00	70.77	70.22	19.358	1,074.32	2,961.60	995.55	927.71	67.84	14.675	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
12,600.00	9,360.00	11,550.52	8,418.00	72.10	71.57	19.358	1,074.53	3,032.23	995.55	926.46	69.09	14.409		
12,629.37	9,360.00	11,579.89	8,418.00	72.66	72.13	19.358	1,074.62	3,061.60	995.55	925.94	69.61	14.301		
12,700.00	9,360.00	11,650.52	8,418.00	74.00	73.48	19.358	1,074.82	3,132.23	995.55	924.68	70.87	14.047		
12,729.37	9,360.00	11,679.89	8,418.00	74.56	74.04	19.358	1,074.91	3,161.60	995.55	924.16	71.40	13.944		
12,800.00	9,360.00	11,750.52	8,418.00	75.90	75.40	19.358	1,075.12	3,232.23	995.55	922.89	72.66	13.701		
12,829.37	9,360.00	11,779.89	8,418.00	76.46	75.97	19.358	1,075.20	3,261.60	995.55	922.36	73.19	13.602		
12,900.00	9,360.00	11,850.52	8,418.00	77.81	77.33	19.358	1,075.41	3,332.23	995.55	921.09	74.47	13.369		
12,929.37	9,360.00	11,879.89	8,418.00	78.37	77.90	19.358	1,075.49	3,361.60	995.55	920.56	75.00	13.274		
13,000.00	9,360.00	11,950.52	8,418.00	79.73	79.27	19.358	1,075.70	3,432.23	995.55	919.27	76.28	13.051		
13,029.37	9,360.00	11,979.89	8,418.00	80.30	79.84	19.358	1,075.79	3,461.60	995.55	918.74	76.82	12.960		
13,100.00	9,360.00	12,050.52	8,418.00	81.66	81.21	19.358	1,075.99	3,532.23	995.55	917.45	78.10	12.747		
13,129.37	9,360.00	12,079.89	8,418.00	82.22	81.78	19.358	1,076.08	3,561.60	995.55	916.91	78.64	12.659		
13,200.00	9,360.00	12,150.52	8,418.00	83.59	83.16	19.358	1,076.29	3,632.23	995.55	915.62	79.94	12.454		
13,229.37	9,360.00	12,179.89	8,418.00	84.16	83.73	19.358	1,076.37	3,661.60	995.55	915.08	80.48	12.371		
13,300.00	9,360.00	12,250.52	8,418.00	85.53	85.11	19.358	1,076.58	3,732.23	995.55	913.78	81.78	12.174		
13,329.37	9,360.00	12,279.89	8,418.00	86.10	85.69	19.358	1,076.66	3,761.60	995.55	913.23	82.32	12.094		
13,400.00	9,360.00	12,350.52	8,418.00	87.48	87.07	19.358	1,076.87	3,832.23	995.55	911.93	83.63	11.905		
13,429.37	9,360.00	12,379.89	8,418.00	88.05	87.65	19.358	1,076.96	3,861.60	995.55	911.38	84.17	11.828		
13,500.00	9,360.00	12,450.52	8,418.00	89.43	89.04	19.358	1,077.16	3,932.23	995.55	910.07	85.48	11.646		
13,529.37	9,360.00	12,479.89	8,418.00	90.00	89.61	19.358	1,077.25	3,961.60	995.55	909.53	86.03	11.572		
13,600.00	9,360.00	12,550.52	8,418.00	91.38	91.01	19.358	1,077.46	4,032.23	995.55	908.21	87.35	11.398		
13,629.37	9,360.00	12,579.89	8,418.00	91.96	91.59	19.358	1,077.54	4,061.60	995.55	907.66	87.89	11.327		
13,700.00	9,360.00	12,650.52	8,418.00	93.35	92.98	19.358	1,077.75	4,132.23	995.55	906.34	89.21	11.159		
13,729.37	9,360.00	12,679.89	8,418.00	93.92	93.56	19.358	1,077.83	4,161.59	995.55	905.79	89.77	11.091		
13,800.00	9,360.00	12,750.52	8,418.00	95.31	94.96	19.358	1,078.04	4,232.23	995.55	904.46	91.09	10.929		
13,829.37	9,360.00	12,779.89	8,418.00	95.89	95.54	19.358	1,078.13	4,261.59	995.55	903.91	91.64	10.863		
13,900.00	9,360.00	12,850.52	8,418.00	97.28	96.94	19.358	1,078.33	4,332.23	995.55	902.58	92.97	10.708		
13,929.37	9,360.00	12,879.89	8,418.00	97.86	97.52	19.358	1,078.42	4,361.59	995.55	902.03	93.52	10.645		
14,000.00	9,360.00	12,950.52	8,418.00	99.26	98.93	19.358	1,078.63	4,432.23	995.55	900.70	94.86	10.495		
14,029.37	9,360.00	12,979.89	8,418.00	99.84	99.51	19.358	1,078.71	4,461.59	995.55	900.14	95.41	10.434		
14,100.00	9,360.00	13,050.52	8,418.00	101.24	100.92	19.358	1,078.92	4,532.23	995.55	898.81	96.75	10.290		
14,129.37	9,360.00	13,079.89	8,418.00	101.82	101.50	19.358	1,079.00	4,561.59	995.55	898.25	97.31	10.231		
14,200.00	9,360.00	13,150.52	8,418.00	103.22	102.91	19.358	1,079.21	4,632.23	995.55	896.91	98.65	10.092		
14,229.37	9,360.00	13,179.89	8,418.00	103.80	103.49	19.358	1,079.30	4,661.59	995.55	896.35	99.20	10.035		
14,300.00	9,360.00	13,250.52	8,418.00	105.20	104.90	19.358	1,079.50	4,732.22	995.55	895.01	100.55	9.901		
14,329.37	9,360.00	13,279.89	8,418.00	105.79	105.49	19.358	1,079.59	4,761.59	995.55	894.45	101.11	9.847		
14,400.00	9,360.00	13,350.52	8,418.00	107.19	106.90	19.358	1,079.80	4,832.22	995.55	893.10	102.45	9.717		
14,429.37	9,360.00	13,379.89	8,418.00	107.78	107.49	19.358	1,079.88	4,861.59	995.55	892.54	103.01	9.664		
14,500.00	9,360.00	13,450.52	8,418.00	109.18	108.90	19.358	1,080.09	4,932.22	995.55	891.19	104.36	9.540		
14,529.37	9,360.00	13,479.89	8,418.00	109.77	109.49	19.358	1,080.17	4,961.59	995.55	890.63	104.92	9.489		
14,600.00	9,360.00	13,550.52	8,418.00	111.18	110.90	19.358	1,080.38	5,032.22	995.55	889.28	106.27	9.368		
14,629.37	9,360.00	13,579.89	8,418.00	111.76	111.49	19.358	1,080.47	5,061.59	995.55	888.72	106.84	9.319		
14,700.00	9,360.00	13,650.52	8,418.00	113.17	112.91	19.358	1,080.67	5,132.22	995.55	887.36	108.19	9.202		
14,729.37	9,360.00	13,679.89	8,418.00	113.76	113.50	19.358	1,080.76	5,161.59	995.55	886.80	108.75	9.154		
14,800.00	9,360.00	13,750.52	8,418.00	115.17	114.92	19.358	1,080.97	5,232.22	995.55	885.44	110.11	9.042		
14,829.37	9,360.00	13,779.89	8,418.00	115.76	115.51	19.358	1,081.05	5,261.59	995.55	884.88	110.67	8.995		
14,900.00	9,360.00	13,850.52	8,418.00	117.18	116.93	19.358	1,081.26	5,332.22	995.55	883.52	112.03	8.886		
14,929.37	9,360.00	13,879.89	8,418.00	117.77	117.52	19.358	1,081.34	5,361.59	995.55	882.96	112.60	8.842		
15,000.00	9,360.00	13,950.52	8,418.00	119.18	118.94	19.358	1,081.55	5,432.22	995.55	881.60	113.96	8.736		
15,029.37	9,360.00	13,979.89	8,418.00	119.77	119.53	19.358	1,081.64	5,461.59	995.55	881.03	114.52	8.693		
15,100.00	9,360.00	14,050.52	8,418.00	121.19	120.95	19.358	1,081.84	5,532.22	995.55	879.67	115.89	8.591		
15,129.37	9,360.00	14,079.89	8,418.00	121.78	121.55	19.358	1,081.93	5,561.59	995.55	879.10	116.45	8.549		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1											Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
15,200.00	9,360.00	14,150.52	8,418.00	123.20	122.97	19.358	1,082.14	5,632.22	995.55	877.74	117.82	8.450		
15,229.37	9,360.00	14,179.89	8,418.00	123.79	123.56	19.358	1,082.22	5,661.59	995.55	877.17	118.39	8.409		
15,300.00	9,360.00	14,250.52	8,418.00	125.21	124.99	19.358	1,082.43	5,732.22	995.55	875.80	119.75	8.313		
15,329.37	9,360.00	14,279.89	8,418.00	125.80	125.58	19.358	1,082.52	5,761.59	995.55	875.23	120.32	8.274		
15,400.00	9,360.00	14,350.52	8,418.00	127.22	127.01	19.358	1,082.72	5,832.22	995.55	873.86	121.69	8.181		
15,429.37	9,360.00	14,379.89	8,418.00	127.81	127.60	19.358	1,082.81	5,861.59	995.55	873.29	122.26	8.143		
15,500.00	9,360.00	14,450.52	8,418.00	129.23	129.03	19.358	1,083.01	5,932.22	995.55	871.92	123.63	8.053		
15,529.37	9,360.00	14,479.89	8,418.00	129.83	129.62	19.358	1,083.10	5,961.59	995.55	871.35	124.20	8.016		
15,600.00	9,360.00	14,550.52	8,418.00	131.25	131.05	19.358	1,083.31	6,032.22	995.55	869.98	125.57	7.928		
15,629.37	9,360.00	14,579.89	8,418.00	131.84	131.64	19.358	1,083.39	6,061.59	995.55	869.41	126.14	7.892		
15,700.00	9,360.00	14,650.52	8,418.00	133.27	133.07	19.358	1,083.60	6,132.22	995.55	868.04	127.51	7.807		
15,729.37	9,360.00	14,679.89	8,418.00	133.86	133.67	19.358	1,083.69	6,161.59	995.55	867.47	128.09	7.773		
15,800.00	9,360.00	14,750.52	8,418.00	135.29	135.10	19.358	1,083.89	6,232.22	995.55	866.09	129.46	7.690		
15,829.37	9,360.00	14,779.89	8,418.00	135.88	135.69	19.358	1,083.98	6,261.59	995.55	865.52	130.03	7.656		
15,900.00	9,360.00	14,850.52	8,418.00	137.31	137.13	19.358	1,084.18	6,332.22	995.55	864.15	131.41	7.576		
15,929.37	9,360.00	14,879.89	8,418.00	137.90	137.72	19.358	1,084.27	6,361.59	995.55	863.57	131.98	7.543		
16,000.00	9,360.00	14,950.52	8,418.00	139.33	139.15	19.358	1,084.48	6,432.22	995.55	862.20	133.36	7.465		
16,029.37	9,360.00	14,979.89	8,418.00	139.93	139.75	19.358	1,084.56	6,461.58	995.55	861.62	133.93	7.433		
16,100.00	9,360.00	15,050.52	8,418.00	141.35	141.18	19.358	1,084.77	6,532.22	995.55	860.24	135.31	7.358		
16,129.37	9,360.00	15,079.89	8,418.00	141.95	141.78	19.358	1,084.86	6,561.58	995.55	859.67	135.88	7.327		
16,200.00	9,360.00	15,150.52	8,418.00	143.38	143.21	19.358	1,085.06	6,632.22	995.55	858.29	137.26	7.253		
16,229.37	9,360.00	15,179.89	8,418.00	143.98	143.81	19.358	1,085.15	6,661.58	995.55	857.72	137.84	7.223		
16,300.00	9,360.00	15,250.52	8,418.00	145.41	145.24	19.358	1,085.35	6,732.22	995.55	856.34	139.22	7.151		
16,329.37	9,360.00	15,279.89	8,418.00	146.00	145.84	19.358	1,085.44	6,761.58	995.55	855.76	139.79	7.122		
16,400.00	9,360.00	15,350.52	8,418.00	147.43	147.28	19.358	1,085.65	6,832.22	995.55	854.38	141.17	7.052		
16,429.37	9,360.00	15,379.89	8,418.00	148.03	147.87	19.358	1,085.73	6,861.58	995.55	853.81	141.75	7.023		
16,500.00	9,360.00	15,450.52	8,418.00	149.46	149.31	19.358	1,085.94	6,932.22	995.55	852.42	143.13	6.956		
16,529.37	9,360.00	15,479.89	8,418.00	150.06	149.91	19.358	1,086.03	6,961.58	995.55	851.85	143.71	6.928		
16,600.00	9,360.00	15,550.52	8,418.00	151.49	151.34	19.358	1,086.23	7,032.22	995.55	850.46	145.09	6.862		
16,629.37	9,360.00	15,579.89	8,418.00	152.09	151.94	19.358	1,086.32	7,061.58	995.55	849.89	145.67	6.834		
16,700.00	9,360.00	15,650.52	8,418.00	153.52	153.38	19.358	1,086.52	7,132.21	995.55	848.50	147.05	6.770		
16,729.37	9,360.00	15,679.89	8,418.00	154.12	153.98	19.358	1,086.61	7,161.58	995.55	847.93	147.63	6.744		
16,800.00	9,360.00	15,750.52	8,418.00	155.56	155.42	19.358	1,086.82	7,232.21	995.55	846.54	149.01	6.681		
16,829.37	9,360.00	15,779.89	8,418.00	156.15	156.01	19.358	1,086.90	7,261.58	995.55	845.96	149.59	6.655		
16,900.00	9,360.00	15,850.52	8,418.00	157.59	157.45	19.358	1,087.11	7,332.21	995.55	844.58	150.98	6.594		
16,929.37	9,360.00	15,879.89	8,418.00	158.19	158.05	19.358	1,087.20	7,361.58	995.55	844.00	151.55	6.569		
17,000.00	9,360.00	15,950.52	8,418.00	159.62	159.49	19.358	1,087.40	7,432.21	995.55	842.61	152.94	6.509		
17,029.37	9,360.00	15,979.89	8,418.00	160.22	160.09	19.358	1,087.49	7,461.58	995.55	842.03	153.52	6.485		
17,100.00	9,360.00	16,050.52	8,418.00	161.66	161.53	19.358	1,087.69	7,532.21	995.55	840.65	154.91	6.427		
17,129.37	9,360.00	16,079.89	8,418.00	162.25	162.13	19.358	1,087.78	7,561.58	995.55	840.07	155.49	6.403		
17,200.00	9,360.00	16,150.52	8,418.00	163.69	163.57	19.358	1,087.99	7,632.21	995.55	838.68	156.88	6.346		
17,229.37	9,360.00	16,179.89	8,418.00	164.29	164.17	19.358	1,088.07	7,661.58	995.55	838.10	157.45	6.323		
17,300.00	9,360.00	16,250.52	8,418.00	165.73	165.61	19.358	1,088.28	7,732.21	995.55	836.71	158.84	6.267		
17,329.37	9,360.00	16,279.89	8,418.00	166.33	166.21	19.358	1,088.37	7,761.58	995.55	836.13	159.42	6.245		
17,400.00	9,360.00	16,350.52	8,418.00	167.77	167.65	19.358	1,088.57	7,832.21	995.55	834.74	160.81	6.191		
17,429.37	9,360.00	16,379.89	8,418.00	168.36	168.25	19.358	1,088.66	7,861.58	995.55	834.16	161.39	6.169		
17,500.00	9,360.00	16,450.52	8,418.00	169.80	169.69	19.358	1,088.87	7,932.21	995.55	832.77	162.78	6.116		
17,529.37	9,360.00	16,479.89	8,418.00	170.40	170.29	19.358	1,088.95	7,961.58	995.55	832.19	163.36	6.094		
17,600.00	9,360.00	16,550.52	8,418.00	171.84	171.74	19.358	1,089.16	8,032.21	995.55	830.80	164.76	6.043		
17,629.37	9,360.00	16,579.89	8,418.00	172.44	172.34	19.358	1,089.24	8,061.58	995.55	830.22	165.33	6.021		
17,700.00	9,360.00	16,650.52	8,418.00	173.88	173.78	19.358	1,089.45	8,132.21	995.55	828.83	166.73	5.971		
17,729.37	9,360.00	16,679.89	8,418.00	174.48	174.38	19.358	1,089.54	8,161.58	995.55	828.25	167.31	5.950		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1										Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,800.00	9,360.00	16,750.52	8,418.00	175.92	175.82	19.358	1,089.74	8,232.21	995.55	826.85	168.70	5.901		
17,829.37	9,360.00	16,779.89	8,418.00	176.52	176.42	19.358	1,089.83	8,261.58	995.55	826.27	169.28	5.881		
17,900.00	9,360.00	16,850.52	8,418.00	177.96	177.87	19.358	1,090.04	8,332.21	995.55	824.88	170.67	5.833		
17,929.37	9,360.00	16,879.89	8,418.00	178.56	178.47	19.358	1,090.12	8,361.58	995.55	824.30	171.25	5.813		
18,000.00	9,360.00	16,950.52	8,418.00	180.01	179.91	19.358	1,090.33	8,432.21	995.55	822.90	172.65	5.766		
18,029.37	9,360.00	16,979.89	8,418.00	180.61	180.51	19.358	1,090.41	8,461.58	995.55	822.32	173.23	5.747		
18,100.00	9,360.00	17,050.52	8,418.00	182.05	181.96	19.358	1,090.62	8,532.21	995.55	820.93	174.63	5.701		
18,129.37	9,360.00	17,079.89	8,418.00	182.65	182.56	19.358	1,090.71	8,561.58	995.55	820.35	175.21	5.682		
18,200.00	9,360.00	17,150.52	8,418.00	184.09	184.00	19.358	1,090.91	8,632.21	995.55	818.95	176.60	5.637		
18,229.37	9,360.00	17,179.89	8,418.00	184.69	184.61	19.358	1,091.00	8,661.58	995.55	818.37	177.18	5.619		
18,300.00	9,360.00	17,250.52	8,418.00	186.13	186.05	19.358	1,091.21	8,732.21	995.55	816.97	178.58	5.575		
18,329.37	9,360.00	17,279.89	8,418.00	186.73	186.65	19.358	1,091.29	8,761.58	995.55	816.39	179.16	5.557		
18,400.00	9,360.00	17,350.52	8,418.00	188.18	188.10	19.358	1,091.50	8,832.21	995.55	815.00	180.56	5.514		
18,429.37	9,360.00	17,379.89	8,418.00	188.78	188.70	19.358	1,091.58	8,861.57	995.55	814.41	181.14	5.496		
18,500.00	9,360.00	17,450.52	8,418.00	190.22	190.15	19.358	1,091.79	8,932.21	995.55	813.02	182.54	5.454		
18,529.37	9,360.00	17,479.89	8,418.00	190.82	190.75	19.358	1,091.88	8,961.57	995.55	812.44	183.12	5.437		
18,600.00	9,360.00	17,550.52	8,418.00	192.27	192.19	19.358	1,092.08	9,032.21	995.55	811.04	184.52	5.395		
18,629.37	9,360.00	17,579.89	8,418.00	192.87	192.80	19.358	1,092.17	9,061.57	995.55	810.46	185.10	5.379		
18,700.00	9,360.00	17,650.52	8,418.00	194.31	194.24	19.358	1,092.38	9,132.21	995.55	809.06	186.50	5.338		
18,729.37	9,360.00	17,679.89	8,418.00	194.92	194.84	19.358	1,092.46	9,161.57	995.55	808.47	187.08	5.322		
18,800.00	9,360.00	17,750.52	8,418.00	196.36	196.29	19.358	1,092.67	9,232.21	995.55	807.08	188.48	5.282		
18,829.37	9,360.00	17,779.89	8,418.00	196.96	196.89	19.358	1,092.75	9,261.57	995.55	806.49	189.06	5.266		
18,900.00	9,360.00	17,850.52	8,418.00	198.41	198.34	19.358	1,092.96	9,332.21	995.55	805.09	190.46	5.227		
18,929.37	9,360.00	17,879.89	8,418.00	199.01	198.94	19.358	1,093.05	9,361.57	995.55	804.51	191.04	5.211		
19,000.00	9,360.00	17,950.52	8,418.00	200.45	200.39	19.358	1,093.25	9,432.20	995.55	803.11	192.44	5.173		
19,029.37	9,360.00	17,979.89	8,418.00	201.06	200.99	19.358	1,093.34	9,461.57	995.55	802.53	193.02	5.158		
19,100.00	9,360.00	18,050.52	8,418.00	202.50	202.44	19.358	1,093.55	9,532.20	995.55	801.13	194.42	5.121		
19,129.37	9,360.00	18,079.89	8,418.00	203.10	203.04	19.358	1,093.63	9,561.57	995.55	800.55	195.01	5.105		
19,200.00	9,360.00	18,150.52	8,418.00	204.55	204.49	19.358	1,093.84	9,632.20	995.55	799.15	196.41	5.069		
19,229.37	9,360.00	18,179.89	8,418.00	205.15	205.09	19.358	1,093.92	9,661.57	995.55	798.56	196.99	5.054		
19,300.00	9,360.00	18,250.52	8,418.00	206.60	206.54	19.358	1,094.13	9,732.20	995.55	797.16	198.39	5.018		
19,329.37	9,360.00	18,279.89	8,418.00	207.20	207.15	19.358	1,094.22	9,761.57	995.55	796.58	198.97	5.003		
19,400.00	9,360.00	18,350.52	8,418.00	208.65	208.59	19.358	1,094.42	9,832.20	995.55	795.18	200.38	4.968		
19,429.37	9,360.00	18,379.89	8,418.00	209.25	209.20	19.358	1,094.51	9,861.57	995.55	794.59	200.96	4.954		
19,500.00	9,360.00	18,450.52	8,418.00	210.70	210.65	19.358	1,094.72	9,932.20	995.55	793.19	202.36	4.920		
19,529.37	9,360.00	18,479.89	8,418.00	211.30	211.25	19.358	1,094.80	9,961.57	995.55	792.61	202.94	4.906		
19,600.00	9,360.00	18,550.52	8,418.00	212.75	212.70	19.358	1,095.01	10,032.20	995.55	791.21	204.35	4.872		
19,629.37	9,360.00	18,579.89	8,418.00	213.35	213.30	19.358	1,095.09	10,061.57	995.55	790.62	204.93	4.858		
19,700.00	9,360.00	18,650.52	8,418.00	214.80	214.75	19.358	1,095.30	10,132.20	995.55	789.22	206.33	4.825		
19,729.37	9,360.00	18,679.89	8,418.00	215.40	215.35	19.358	1,095.39	10,161.57	995.55	788.64	206.92	4.811		
19,800.00	9,360.00	18,750.52	8,418.00	216.85	216.80	19.358	1,095.59	10,232.20	995.55	787.23	208.32	4.779		
19,829.37	9,360.00	18,779.89	8,418.00	217.45	217.41	19.358	1,095.68	10,261.57	995.55	786.65	208.90	4.766		
19,900.00	9,360.00	18,850.52	8,418.00	218.90	218.86	19.358	1,095.89	10,332.20	995.55	785.25	210.31	4.734		
19,929.37	9,360.00	18,879.89	8,418.00	219.50	219.46	19.358	1,095.97	10,361.57	995.55	784.66	210.89	4.721		
20,000.00	9,360.00	18,950.52	8,418.00	220.95	220.91	19.358	1,096.18	10,432.20	995.55	783.26	212.29	4.689		
20,029.37	9,360.00	18,979.89	8,418.00	221.55	221.51	19.358	1,096.26	10,461.57	995.55	782.67	212.88	4.677		
20,100.00	9,360.00	19,050.52	8,418.00	223.00	222.96	19.358	1,096.47	10,532.20	995.55	781.27	214.28	4.646		
20,129.37	9,360.00	19,079.89	8,418.00	223.60	223.57	19.358	1,096.56	10,561.57	995.55	780.69	214.87	4.633		
20,200.00	9,360.00	19,150.52	8,418.00	225.05	225.02	19.358	1,096.76	10,632.20	995.55	779.28	216.27	4.603		
20,229.37	9,360.00	19,179.89	8,418.00	225.66	225.62	19.358	1,096.85	10,661.57	995.55	778.70	216.86	4.591		
20,300.00	9,360.00	19,250.52	8,418.00	227.11	227.07	19.358	1,097.06	10,732.20	995.55	777.29	218.26	4.561		
20,329.37	9,360.00	19,279.89	8,418.00	227.71	227.68	19.358	1,097.14	10,761.57	995.55	776.71	218.84	4.549		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
20,400.00	9,360.00	19,350.52	8,418.00	229.16	229.13	19.358	1,097.35	10,832.20	995.55	775.30	220.25	4.520	
20,429.37	9,360.00	19,379.89	8,418.00	229.76	229.73	19.358	1,097.43	10,861.57	995.55	774.72	220.83	4.508	
20,500.00	9,360.00	19,450.52	8,418.00	231.21	231.18	19.358	1,097.64	10,932.20	995.55	773.31	222.24	4.480	
20,529.37	9,360.00	19,479.89	8,418.00	231.81	231.79	19.358	1,097.73	10,961.57	995.55	772.73	222.82	4.468	
20,600.00	9,360.00	19,550.52	8,418.00	233.26	233.24	19.358	1,097.93	11,032.20	995.55	771.32	224.23	4.440	
20,629.37	9,360.00	19,579.89	8,418.00	233.87	233.84	19.358	1,098.02	11,061.57	995.55	770.74	224.81	4.428	
20,700.00	9,360.00	19,650.52	8,418.00	235.32	235.29	19.358	1,098.23	11,132.20	995.55	769.33	226.22	4.401	
20,729.37	9,360.00	19,679.89	8,418.00	235.92	235.90	19.358	1,098.31	11,161.56	995.55	768.75	226.80	4.389	
20,800.00	9,360.00	19,750.52	8,418.00	237.37	237.35	19.358	1,098.52	11,232.20	995.55	767.34	228.21	4.362	
20,829.37	9,360.00	19,779.89	8,418.00	237.97	237.95	19.358	1,098.60	11,261.56	995.55	766.76	228.80	4.351	
20,900.00	9,360.00	19,850.52	8,418.00	239.43	239.40	19.358	1,098.81	11,332.20	995.55	765.35	230.20	4.325	
20,929.37	9,360.00	19,879.89	8,418.00	240.03	240.01	19.358	1,098.90	11,361.56	995.55	764.77	230.79	4.314	
21,000.00	9,360.00	19,950.52	8,418.00	241.48	241.46	19.358	1,099.10	11,432.20	995.55	763.36	232.19	4.288	
21,029.37	9,360.00	19,979.89	8,418.00	242.08	242.06	19.358	1,099.19	11,461.56	995.55	762.77	232.78	4.277	
21,100.00	9,360.00	20,050.52	8,418.00	243.53	243.52	19.358	1,099.40	11,532.20	995.55	761.37	234.19	4.251	
21,129.37	9,360.00	20,079.89	8,418.00	244.14	244.12	19.358	1,099.48	11,561.56	995.55	760.78	234.77	4.241	
21,200.00	9,360.00	20,150.52	8,418.00	245.59	245.57	19.358	1,099.69	11,632.20	995.55	759.38	236.18	4.215	
21,229.37	9,360.00	20,179.89	8,418.00	246.19	246.18	19.358	1,099.78	11,661.56	995.55	758.79	236.76	4.205	
21,300.00	9,360.00	20,250.52	8,418.00	247.64	247.63	19.358	1,099.98	11,732.20	995.55	757.38	238.17	4.180	
21,329.37	9,360.00	20,279.89	8,418.00	248.25	248.23	19.358	1,100.07	11,761.56	995.55	756.80	238.76	4.170	
21,400.00	9,360.00	20,350.52	8,418.00	249.70	249.69	19.358	1,100.27	11,832.19	995.55	755.39	240.16	4.145	
21,429.37	9,360.00	20,379.89	8,418.00	250.30	250.29	19.358	1,100.36	11,861.56	995.55	754.80	240.75	4.135	
21,500.00	9,360.00	20,450.52	8,418.00	251.76	251.74	19.358	1,100.57	11,932.19	995.55	753.40	242.16	4.111	
21,529.37	9,360.00	20,479.89	8,418.00	252.36	252.35	19.358	1,100.65	11,961.56	995.55	752.81	242.74	4.101	
21,600.00	9,360.00	20,550.52	8,418.00	253.81	253.80	19.358	1,100.86	12,032.19	995.55	751.40	244.15	4.078	
21,629.37	9,360.00	20,579.89	8,418.00	254.41	254.41	19.358	1,100.95	12,061.56	995.55	750.82	244.73	4.068	
21,700.00	9,360.00	20,650.52	8,418.00	255.87	255.86	19.358	1,101.15	12,132.19	995.55	749.41	246.14	4.045	
21,729.37	9,360.00	20,679.89	8,418.00	256.47	256.46	19.358	1,101.24	12,161.56	995.55	748.82	246.73	4.035	
21,800.00	9,360.00	20,750.52	8,418.00	257.92	257.92	19.358	1,101.44	12,232.19	995.55	747.42	248.14	4.012	
21,829.37	9,360.00	20,779.89	8,418.00	258.53	258.52	19.358	1,101.53	12,261.56	995.55	746.83	248.72	4.003	
21,900.00	9,360.00	20,850.52	8,418.00	259.98	259.98	19.358	1,101.74	12,332.19	995.55	745.42	250.13	3.980	
21,929.37	9,360.00	20,879.89	8,418.00	260.58	260.58	19.358	1,101.82	12,361.56	995.55	744.84	250.72	3.971	
22,000.00	9,360.00	20,950.52	8,418.00	262.04	262.03	19.358	1,102.03	12,432.19	995.55	743.43	252.13	3.949	
22,029.37	9,360.00	20,979.89	8,418.00	262.64	262.64	19.358	1,102.12	12,461.56	995.55	742.84	252.71	3.939	
22,100.00	9,360.00	21,050.52	8,418.00	264.09	264.09	19.358	1,102.32	12,532.19	995.55	741.43	254.12	3.918	
22,129.37	9,360.00	21,079.89	8,418.00	264.70	264.70	19.358	1,102.41	12,561.56	995.55	740.85	254.71	3.909	
22,200.00	9,360.00	21,150.52	8,418.00	266.15	266.15	19.358	1,102.61	12,632.19	995.55	739.44	256.12	3.887	
22,229.37	9,360.00	21,179.89	8,418.00	266.75	266.76	19.358	1,102.70	12,661.56	995.55	738.85	256.70	3.878	
22,300.00	9,360.00	21,250.52	8,418.00	268.21	268.21	19.358	1,102.91	12,732.19	995.55	737.44	258.11	3.857	
22,329.37	9,360.00	21,279.89	8,418.00	268.81	268.81	19.358	1,102.99	12,761.56	995.55	736.85	258.70	3.848	
22,400.00	9,360.00	21,350.52	8,418.00	270.27	270.27	19.358	1,103.20	12,832.19	995.55	735.45	260.11	3.827	
22,429.37	9,360.00	21,379.89	8,418.00	270.87	270.87	19.358	1,103.29	12,861.56	995.55	734.86	260.69	3.819	
22,500.00	9,360.00	21,450.52	8,418.00	272.32	272.33	19.358	1,103.49	12,932.19	995.55	733.45	262.10	3.798	
22,529.37	9,360.00	21,479.89	8,418.00	272.93	272.93	19.358	1,103.58	12,961.56	995.55	732.86	262.69	3.790	
22,600.00	9,360.00	21,550.52	8,418.00	274.38	274.39	19.358	1,103.78	13,032.19	995.55	731.45	264.10	3.770	
22,629.37	9,360.00	21,579.89	8,418.00	274.99	274.99	19.358	1,103.87	13,061.56	995.55	730.87	264.69	3.761	
22,700.00	9,360.00	21,650.52	8,418.00	276.44	276.45	19.358	1,104.08	13,132.19	995.55	729.46	266.10	3.741	
22,729.37	9,360.00	21,679.89	8,418.00	277.04	277.05	19.358	1,104.16	13,161.56	995.55	728.87	266.68	3.733	
22,800.00	9,360.00	21,750.52	8,418.00	278.50	278.51	19.358	1,104.37	13,232.19	995.55	727.46	268.09	3.713	
22,829.37	9,360.00	21,779.89	8,418.00	279.10	279.11	19.358	1,104.46	13,261.56	995.55	726.87	268.68	3.705	
22,900.00	9,360.00	21,850.52	8,418.00	280.56	280.57	19.358	1,104.66	13,332.19	995.55	725.46	270.09	3.686	
22,919.37	9,360.00	21,869.89	8,418.00	280.95	280.96	19.358	1,104.72	13,351.56	995.55	725.08	270.48	3.681	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (02) Bond 32-34 FED COM #101H - #101H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
22,922.64	9,360.00	21,873.16	8,418.00	281.02	281.03	19.358	1,104.73	13,354.83	995.55	725.01	270.54	3.680	
22,928.71	9,360.00	21,879.23	8,418.00	281.15	281.16	19.358	1,104.75	13,360.90	995.55	724.89	270.66	3.678 SF	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Reference		Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Tooface (")	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-66.186	92.15	-208.79	228.24	226.67	1.55	147.254	
100.00	100.00	97.27	97.27	0.79	0.76	-66.186	92.15	-208.79	228.22	225.35	2.87	79.404	
200.00	200.00	197.27	197.27	1.45	1.43	-66.186	92.15	-208.79	228.22	225.35	2.87	79.404	
300.00	300.00	297.27	297.27	1.89	1.88	-66.186	92.15	-208.79	228.22	224.45	3.77	60.517	
400.00	400.00	397.27	397.27	2.25	2.24	-66.186	92.15	-208.79	228.22	223.72	4.50	50.744	
500.00	500.00	497.27	497.27	2.57	2.56	-66.186	92.15	-208.79	228.22	223.09	5.13	44.515	
600.00	600.00	597.27	597.27	2.85	2.84	-66.186	92.15	-208.79	228.22	222.53	5.69	40.099	
700.00	700.00	697.27	697.27	3.11	3.10	-66.186	92.15	-208.79	228.22	222.01	6.21	36.755	
800.00	800.00	797.27	797.27	3.35	3.34	-66.186	92.15	-208.79	228.22	221.53	6.69	34.108	
900.00	900.00	897.27	897.27	3.58	3.57	-66.186	92.15	-208.79	228.22	221.08	7.14	31.945	
1,000.00	1,000.00	997.27	997.27	3.79	3.78	-66.186	92.15	-208.79	228.22	220.65	7.57	30.134	
1,100.00	1,100.00	1,097.27	1,097.27	3.99	3.99	-66.186	92.15	-208.79	228.22	220.24	7.98	28.587	
1,200.00	1,200.00	1,197.27	1,197.27	4.19	4.19	-66.186	92.15	-208.79	228.22	219.84	8.38	27.246	
1,300.00	1,300.00	1,297.27	1,297.27	4.38	4.37	-66.186	92.15	-208.79	228.22	219.47	8.75	26.069	
1,400.00	1,400.00	1,397.27	1,397.27	4.56	4.56	-66.186	92.15	-208.79	228.22	219.10	9.12	25.024	
1,500.00	1,500.00	1,497.27	1,497.27	4.74	4.73	-66.186	92.15	-208.79	228.22	218.75	9.47	24.088	
1,600.00	1,600.00	1,597.27	1,597.27	4.91	4.91	-66.186	92.15	-208.79	228.22	218.40	9.82	23.244	
1,700.00	1,700.00	1,697.27	1,697.27	5.08	5.07	-66.186	92.15	-208.79	228.22	218.07	10.15	22.477	
1,800.00	1,800.00	1,797.27	1,797.27	5.24	5.24	-66.186	92.15	-208.79	228.22	217.74	10.48	21.775	
1,900.00	1,900.00	1,897.27	1,897.27	5.40	5.40	-66.186	92.15	-208.79	228.22	217.42	10.80	21.131	
2,000.00	2,000.00	1,997.27	1,997.27	5.56	5.55	-66.186	92.15	-208.79	228.22	217.11	11.11	20.536	
2,100.00	2,099.98	2,099.73	2,099.71	5.80	5.78	-56.146	90.42	-208.94	226.70	215.27	11.43	19.826	
2,200.00	2,199.84	2,201.51	2,201.35	6.05	5.98	-58.670	85.09	-209.40	222.35	210.63	11.72	18.979	
2,300.00	2,299.45	2,301.38	2,300.84	6.31	6.10	-62.947	76.51	-210.13	216.04	204.13	11.91	18.134	
2,400.00	2,398.70	2,399.07	2,398.09	6.59	6.26	-68.443	67.26	-210.93	209.52	197.37	12.15	17.241	
2,500.00	2,497.47	2,495.95	2,494.53	6.89	6.44	-75.047	58.09	-211.71	204.10	191.73	12.37	16.497	
2,600.00	2,595.62	2,591.92	2,590.07	7.21	6.63	-82.699	49.00	-212.50	201.12	188.52	12.60	15.966	
2,630.18	2,625.11	2,620.69	2,618.70	7.31	6.69	-85.183	46.28	-212.73	200.92	188.25	12.67	15.854 CC, ES	
2,700.00	2,693.06	2,686.86	2,684.57	7.54	6.84	-91.160	40.01	-213.27	202.08	189.21	12.87	15.696	
2,800.00	2,789.64	2,780.64	2,777.93	7.90	7.06	-100.013	31.13	-214.03	208.43	195.17	13.27	15.711	
2,900.00	2,885.35	2,873.27	2,870.14	8.18	7.28	-108.803	22.36	-214.78	221.15	207.40	13.75	16.084	
3,000.00	2,980.88	2,965.66	2,962.11	8.51	7.52	-116.806	13.61	-215.53	239.47	225.07	14.40	16.627	
3,100.00	3,076.41	3,058.05	3,054.08	8.85	7.77	-123.677	4.86	-216.29	262.13	247.01	15.12	17.337	
3,200.00	3,171.93	3,150.44	3,146.05	9.22	8.03	-129.482	-3.89	-217.04	288.10	272.24	15.87	18.157	
3,300.00	3,267.46	3,242.82	3,238.02	9.59	8.29	-134.358	-12.64	-217.79	316.58	299.95	16.63	19.038	
3,400.00	3,362.99	3,335.21	3,329.99	9.98	8.56	-138.454	-21.39	-218.54	346.95	329.56	17.39	19.946	
3,500.00	3,458.52	3,427.60	3,421.96	10.38	8.84	-141.911	-30.13	-219.29	378.75	360.59	18.16	20.855	
3,600.00	3,554.04	3,519.99	3,513.94	10.79	9.13	-144.848	-38.88	-220.04	411.65	392.72	18.93	21.748	
3,700.00	3,649.57	3,612.38	3,605.91	11.20	9.42	-147.361	-47.63	-220.79	445.41	425.72	19.70	22.613	
3,800.00	3,745.10	3,704.77	3,697.88	11.63	9.72	-149.528	-56.38	-221.54	479.85	459.38	20.47	23.445	
3,900.00	3,840.62	3,797.16	3,789.85	12.06	10.02	-151.411	-65.13	-222.30	514.83	493.59	21.24	24.240	
4,000.00	3,936.15	3,889.55	3,881.82	12.50	10.32	-153.058	-73.88	-223.05	550.24	528.23	22.01	24.996	
4,100.00	4,031.68	3,981.94	3,973.79	12.94	10.63	-154.510	-82.63	-223.80	586.01	563.22	22.79	25.713	
4,200.00	4,127.21	4,074.33	4,065.77	13.38	10.94	-155.797	-91.38	-224.55	622.08	598.51	23.57	26.392	
4,300.00	4,222.73	4,166.72	4,157.74	13.84	11.26	-156.945	-100.12	-225.30	658.40	634.05	24.35	27.034	
4,400.00	4,318.26	4,259.11	4,249.71	14.29	11.58	-157.975	-108.87	-226.05	694.93	669.79	25.14	27.642	
4,500.00	4,413.79	4,351.50	4,341.68	14.75	11.90	-158.903	-117.62	-226.80	731.63	705.70	25.93	28.216	
4,600.00	4,509.32	4,443.89	4,433.65	15.21	12.22	-159.743	-126.37	-227.55	768.49	741.77	26.72	28.759	
4,700.00	4,604.84	4,536.28	4,525.62	15.68	12.55	-160.507	-135.12	-228.30	805.48	777.96	27.52	29.272	
4,800.00	4,700.37	4,628.67	4,617.60	16.15	12.88	-161.204	-143.87	-229.06	842.58	814.26	28.31	29.758	
4,900.00	4,795.90	4,721.06	4,709.57	16.62	13.21	-161.843	-152.62	-229.81	879.78	850.66	29.11	30.218	
5,000.00	4,891.42	4,813.45	4,801.54	17.09	13.54	-162.431	-161.37	-230.56	917.07	887.15	29.92	30.653	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
5,100.00	4,986.95	4,905.84	4,893.51	17.57	13.87	-162.973	-170.11	-231.31	954.43	923.71	30.72	31.066	
5,200.00	5,082.48	4,998.23	4,985.48	18.05	14.21	-163.474	-178.86	-232.06	991.87	960.34	31.53	31.458	
5,300.00	5,178.01	5,090.62	5,077.45	18.53	14.55	-163.939	-187.61	-232.81	1,029.36	997.02	32.34	31.829	
5,400.00	5,273.53	5,183.01	5,169.42	19.01	14.88	-164.372	-196.36	-233.56	1,066.91	1,033.76	33.15	32.182	
5,500.00	5,369.06	5,275.40	5,261.40	19.49	15.22	-164.775	-205.11	-234.31	1,104.51	1,070.54	33.97	32.518	
5,600.00	5,464.59	5,367.79	5,353.37	19.98	15.56	-165.152	-213.86	-235.07	1,142.15	1,107.37	34.78	32.838	
5,700.00	5,560.11	5,460.18	5,445.34	20.46	15.91	-165.505	-222.61	-235.82	1,179.84	1,144.24	35.60	33.142	
5,800.00	5,655.64	5,552.57	5,537.31	20.95	16.25	-165.837	-231.36	-236.57	1,217.56	1,181.14	36.42	33.432	
5,900.00	5,751.17	5,644.96	5,629.28	21.44	16.59	-166.148	-240.10	-237.32	1,255.31	1,218.07	37.24	33.709	
6,000.00	5,846.70	5,737.35	5,721.25	21.93	16.94	-166.441	-248.85	-238.07	1,293.09	1,255.03	38.06	33.973	
6,100.00	5,942.22	5,829.74	5,813.23	22.42	17.28	-166.718	-257.60	-238.82	1,330.90	1,292.01	38.89	34.226	
6,200.00	6,037.75	5,922.13	5,905.20	22.91	17.63	-166.980	-266.35	-239.57	1,368.73	1,329.02	39.71	34.467	
6,300.00	6,133.28	6,014.52	5,997.17	23.40	17.98	-167.227	-275.10	-240.32	1,406.59	1,366.05	40.54	34.698	
6,400.00	6,228.81	6,106.91	6,089.14	23.90	18.33	-167.462	-283.85	-241.08	1,444.47	1,403.11	41.37	34.919	
6,500.00	6,324.33	6,199.30	6,181.11	24.39	18.67	-167.684	-292.60	-241.83	1,482.37	1,440.18	42.20	35.131	
6,600.00	6,419.86	6,291.69	6,273.08	24.89	19.02	-167.896	-301.35	-242.58	1,520.29	1,477.26	43.03	35.334	
6,700.00	6,515.60	6,384.36	6,365.33	25.37	19.38	-168.198	-310.12	-243.33	1,557.54	1,513.70	43.85	35.523	
6,800.00	6,612.24	6,478.21	6,458.76	25.87	19.73	-168.506	-319.01	-244.09	1,591.81	1,547.12	44.69	35.620	
6,900.00	6,709.71	6,573.20	6,553.32	26.36	20.09	-168.763	-328.00	-244.87	1,622.85	1,577.33	45.52	35.648	
7,000.00	6,807.91	6,669.22	6,648.91	26.83	20.46	-168.974	-337.10	-245.65	1,650.63	1,604.28	46.35	35.613	
7,100.00	6,906.70	6,766.15	6,745.40	27.29	20.83	-169.142	-346.27	-246.44	1,675.10	1,627.94	47.16	35.519	
7,200.00	7,005.97	6,863.88	6,842.69	27.72	21.20	-169.271	-355.53	-247.23	1,696.24	1,648.28	47.95	35.373	
7,300.00	7,105.61	6,962.28	6,940.64	28.11	21.58	-169.362	-364.85	-248.03	1,714.01	1,665.29	48.72	35.182	
7,400.00	7,205.47	7,061.23	7,039.15	28.47	21.96	-169.418	-374.22	-248.84	1,728.40	1,678.96	49.44	34.958	
7,500.00	7,305.46	7,160.62	7,138.08	28.62	22.34	-170.110	-383.63	-249.64	1,739.39	1,689.41	49.98	34.804	
7,600.00	7,405.46	7,274.90	7,251.86	28.70	22.76	-170.743	-394.35	-250.56	1,748.82	1,698.27	50.55	34.596	
7,700.00	7,505.46	7,384.36	7,361.33	28.74	23.13	-171.376	-405.06	-251.48	1,753.02	1,701.13	51.89	33.783	
7,800.00	7,605.46	7,483.81	7,460.28	28.78	23.56	-171.974	-405.08	-251.49	1,753.02	1,701.04	51.98	33.727	
7,900.00	7,705.46	7,583.26	7,559.73	28.82	23.98	-172.572	-405.08	-251.49	1,753.02	1,700.98	52.04	33.685	
8,000.00	7,805.46	7,682.71	7,659.18	28.87	24.40	-173.170	-405.08	-251.49	1,753.02	1,700.91	52.11	33.640	
8,004.50	7,809.95	7,687.20	7,663.67	28.87	24.40	-173.170	-405.08	-251.49	1,753.02	1,700.90	52.12	33.637	
8,100.00	7,905.46	7,782.16	7,758.63	28.91	24.82	-173.768	-405.07	-251.48	1,753.02	1,700.85	52.18	33.597	
8,200.00	8,005.46	7,881.61	7,858.08	28.95	25.24	-174.366	-405.02	-251.47	1,753.02	1,700.93	52.24	33.563	
8,300.00	8,105.46	7,981.06	7,957.53	29.00	25.66	-174.964	-404.93	-251.34	1,753.94	1,701.66	52.28	33.550	
8,400.00	8,205.46	8,080.51	8,057.00	29.04	26.08	-175.562	-404.82	-251.23	1,756.10	1,703.81	52.29	33.582	
8,500.00	8,305.46	8,180.00	8,156.47	29.08	26.50	-176.160	-404.72	-251.12	1,760.47	1,708.22	52.25	33.693	
8,600.00	8,405.46	8,279.45	8,255.92	29.12	26.92	-176.758	-404.60	-251.01	1,767.77	1,715.58	52.18	33.875	
8,700.00	8,505.46	8,378.90	8,355.37	29.17	27.34	-177.356	-404.52	-250.90	1,778.60	1,726.60	52.01	34.200	
8,800.00	8,605.46	8,478.35	8,454.82	29.21	27.76	-177.954	-404.40	-250.79	1,793.32	1,741.47	51.85	34.586	
8,900.00	8,705.46	8,577.80	8,554.27	29.26	28.18	-178.552	-404.33	-250.68	1,812.24	1,760.68	51.56	35.149	
9,000.00	8,805.45	8,677.25	8,653.72	29.29	28.60	-179.150	-404.28	-250.57	1,835.49	1,784.34	51.15	35.886	
9,100.00	8,904.61	8,776.70	8,753.17	29.27	29.02	-179.748	-404.16	-250.46	1,861.74	1,810.88	50.87	36.599	
9,200.00	9,004.20	8,876.15	8,852.62	29.26	29.44	-180.346	-404.10	-250.35	1,889.19	1,838.81	50.38	37.501	
9,300.00	9,099.32	8,975.60	8,952.07	29.27	29.86	-180.944	-404.02	-250.24	1,916.73	1,866.75	49.98	38.353	
9,400.00	9,199.25	9,075.05	9,051.52	29.32	30.28	-181.542	-403.89	-250.13	1,943.13	1,893.33	49.80	39.020	
9,500.00	9,297.56	9,174.50	9,150.97	29.44	30.70	-182.140	-403.82	-250.02	1,967.12	1,917.58	49.54	39.711	
9,600.00	9,392.19	9,273.95	9,250.42	29.66	31.12	-182.738	-403.74	-250.91	1,988.10	1,938.68	49.42	40.228	
9,700.00	9,487.17	9,373.40	9,349.87	30.00	31.54	-183.336	-403.60	-250.80	2,005.00	1,955.27	49.72	40.324	
9,800.00	9,582.20	9,472.85	9,449.32	30.47	31.96	-183.934	-403.45	-250.69	2,017.63	1,967.37	50.26	40.147	
9,900.00	9,677.23	9,572.30	9,548.77	31.06	32.38	-184.532	-403.36	-250.58	2,025.22	1,974.37	50.85	39.827	
9,921.43	9,660.00	9,555.07	9,531.54	31.22	32.80	-185.130	-403.29	-250.47	2,026.35	1,975.20	51.15	39.612	
10,000.00	9,760.00	9,655.07	9,631.54	31.80	33.22	-185.728	-403.06	-250.36	2,029.29	1,976.98	52.31	38.794	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1												Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1						Rule Assigned:				Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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)
10,023.20	9,360.00	8,906.68	8,418.00	32.00	26.75	62.430	-403.00	459.74	2,029.81	1,977.13	52.68	38.530	
10,100.00	9,360.00	8,983.47	8,418.00	32.64	27.53	62.444	-402.77	536.54	2,030.32	1,976.37	53.95	37.630	
10,123.32	9,360.00	9,006.79	8,418.00	32.86	27.77	62.444	-402.70	559.86	2,030.32	1,975.95	54.37	37.340	
10,200.00	9,360.00	9,083.47	8,418.00	33.59	28.64	62.444	-402.48	636.54	2,030.32	1,974.53	55.79	36.389	
10,223.32	9,360.00	9,106.79	8,418.00	33.83	28.91	62.444	-402.41	659.86	2,030.32	1,974.07	56.26	36.090	
10,300.00	9,360.00	9,183.47	8,418.00	34.63	29.86	62.444	-402.19	736.54	2,030.32	1,972.51	57.82	35.117	
10,323.32	9,360.00	9,206.79	8,418.00	34.90	30.15	62.444	-402.12	759.86	2,030.32	1,972.01	58.32	34.815	
10,400.00	9,360.00	9,283.47	8,418.00	35.76	31.16	62.444	-401.89	836.54	2,030.32	1,970.32	60.00	33.838	
10,423.32	9,360.00	9,306.79	8,418.00	36.05	31.48	62.444	-401.83	859.86	2,030.32	1,969.79	60.54	33.538	
10,500.00	9,360.00	9,383.47	8,418.00	36.98	32.55	62.444	-401.60	936.54	2,030.32	1,967.99	62.33	32.572	
10,523.32	9,360.00	9,406.79	8,418.00	37.28	32.88	62.444	-401.53	959.86	2,030.32	1,967.42	62.90	32.278	
10,600.00	9,360.00	9,483.47	8,418.00	38.27	34.01	62.444	-401.31	1,036.54	2,030.32	1,965.53	64.80	31.333	
10,623.32	9,360.00	9,506.79	8,418.00	38.58	34.35	62.444	-401.24	1,059.86	2,030.32	1,964.93	65.39	31.047	
10,700.00	9,360.00	9,583.47	8,418.00	39.62	35.52	62.444	-401.02	1,136.54	2,030.32	1,962.95	67.38	30.133	
10,723.32	9,360.00	9,606.79	8,418.00	39.95	35.88	62.444	-400.95	1,159.86	2,030.32	1,962.32	68.00	29.857	
10,800.00	9,360.00	9,683.47	8,418.00	41.03	37.09	62.444	-400.72	1,236.54	2,030.32	1,960.26	70.07	28.977	
10,823.32	9,360.00	9,706.79	8,418.00	41.37	37.47	62.444	-400.66	1,259.86	2,030.32	1,959.61	70.71	28.713	
10,900.00	9,360.00	9,783.47	8,418.00	42.50	38.71	62.444	-400.43	1,336.54	2,030.32	1,957.48	72.85	27.872	
10,923.32	9,360.00	9,806.79	8,418.00	42.85	39.09	62.444	-400.36	1,359.86	2,030.32	1,956.81	73.51	27.620	
11,000.00	9,360.00	9,883.47	8,418.00	44.01	40.37	62.444	-400.14	1,436.54	2,030.32	1,954.62	75.71	26.818	
11,023.32	9,360.00	9,906.79	8,418.00	44.38	40.76	62.444	-400.07	1,459.86	2,030.32	1,953.93	76.39	26.578	
11,100.00	9,360.00	9,983.47	8,418.00	45.57	42.07	62.444	-399.85	1,536.54	2,030.32	1,951.68	78.65	25.816	
11,123.32	9,360.00	10,006.79	8,418.00	45.94	42.47	62.444	-399.78	1,559.86	2,030.32	1,950.98	79.34	25.589	
11,200.00	9,360.00	10,083.47	8,418.00	47.17	43.80	62.444	-399.55	1,636.54	2,030.32	1,948.68	81.65	24.867	
11,223.32	9,360.00	10,106.79	8,418.00	47.55	44.20	62.444	-399.49	1,659.85	2,030.32	1,947.97	82.36	24.652	
11,300.00	9,360.00	10,183.47	8,418.00	48.80	45.55	62.444	-399.26	1,736.54	2,030.32	1,945.62	84.71	23.968	
11,323.32	9,360.00	10,206.79	8,418.00	49.19	45.96	62.444	-399.19	1,759.85	2,030.32	1,944.89	85.43	23.765	
11,400.00	9,360.00	10,283.47	8,418.00	50.47	47.33	62.444	-398.97	1,836.54	2,030.32	1,942.50	87.82	23.118	
11,423.32	9,360.00	10,306.79	8,418.00	50.86	47.75	62.444	-398.90	1,859.85	2,030.32	1,941.77	88.56	22.926	
11,500.00	9,360.00	10,383.47	8,418.00	52.16	49.14	62.444	-398.68	1,936.54	2,030.32	1,939.34	90.99	22.315	
11,523.32	9,360.00	10,406.79	8,418.00	52.56	49.56	62.444	-398.61	1,959.85	2,030.32	1,938.59	91.73	22.133	
11,600.00	9,360.00	10,483.47	8,418.00	53.88	50.96	62.444	-398.38	2,036.54	2,030.32	1,936.13	94.19	21.556	
11,623.32	9,360.00	10,506.79	8,418.00	54.29	51.39	62.444	-398.32	2,059.85	2,030.32	1,935.38	94.94	21.384	
11,700.00	9,360.00	10,583.47	8,418.00	55.63	52.81	62.444	-398.09	2,136.54	2,030.32	1,932.89	97.43	20.838	
11,723.32	9,360.00	10,606.79	8,418.00	56.04	53.24	62.444	-398.02	2,159.85	2,030.32	1,932.13	98.20	20.676	
11,800.00	9,360.00	10,683.47	8,418.00	57.39	54.67	62.444	-397.80	2,236.53	2,030.32	1,929.62	100.71	20.160	
11,823.32	9,360.00	10,706.79	8,418.00	57.81	55.10	62.444	-397.73	2,259.85	2,030.32	1,928.84	101.48	20.007	
11,900.00	9,360.00	10,783.47	8,418.00	59.18	56.54	62.444	-397.51	2,336.53	2,030.32	1,926.31	104.02	19.519	
11,923.32	9,360.00	10,806.79	8,418.00	59.60	56.98	62.444	-397.44	2,359.85	2,030.32	1,925.53	104.79	19.374	
12,000.00	9,360.00	10,883.47	8,418.00	60.98	58.43	62.444	-397.21	2,436.53	2,030.32	1,922.97	107.35	18.912	
12,023.32	9,360.00	10,906.79	8,418.00	61.40	58.87	62.444	-397.15	2,459.85	2,030.32	1,922.19	108.14	18.775	
12,100.00	9,360.00	10,983.47	8,418.00	62.80	60.33	62.444	-396.92	2,536.53	2,030.32	1,919.61	110.72	18.338	
12,123.32	9,360.00	11,006.79	8,418.00	63.23	60.77	62.444	-396.85	2,559.85	2,030.32	1,918.82	111.51	18.208	
12,200.00	9,360.00	11,083.47	8,418.00	64.64	62.24	62.444	-396.63	2,636.53	2,030.32	1,916.22	114.10	17.794	
12,223.32	9,360.00	11,106.79	8,418.00	65.07	62.68	62.444	-396.56	2,659.85	2,030.32	1,915.43	114.90	17.671	
12,300.00	9,360.00	11,183.47	8,418.00	66.48	64.16	62.444	-396.34	2,736.53	2,030.32	1,912.81	117.51	17.278	
12,323.32	9,360.00	11,206.79	8,418.00	66.92	64.60	62.444	-396.27	2,759.85	2,030.32	1,912.02	118.31	17.161	
12,400.00	9,360.00	11,283.47	8,418.00	68.35	66.08	62.444	-396.04	2,836.53	2,030.32	1,909.39	120.94	16.788	
12,423.32	9,360.00	11,306.79	8,418.00	68.78	66.54	62.444	-395.98	2,859.85	2,030.32	1,908.58	121.74	16.677	
12,500.00	9,360.00	11,383.47	8,418.00	70.22	68.02	62.444	-395.75	2,936.53	2,030.32	1,905.94	124.38	16.323	
12,523.32	9,360.00	11,406.79	8,418.00	70.66	68.47	62.444	-395.68	2,959.85	2,030.32	1,905.14	125.19	16.218	
12,600.00	9,360.00	11,483.47	8,418.00	72.10	69.97	62.444	-395.46	3,036.53	2,030.32	1,902.48	127.84	15.881	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1				Rule Assigned:									Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor	
12,623.32	9,360.00	11,506.79	8,418.00	72.54	70.42	62.444	-395.39	3,059.85	2,030.32	1,901.67	128.65	15.781		
12,700.00	9,360.00	11,583.47	8,418.00	74.00	71.92	62.444	-395.17	3,136.53	2,030.32	1,899.00	131.32	15.461		
12,723.32	9,360.00	11,606.79	8,418.00	74.44	72.37	62.444	-395.10	3,159.85	2,030.32	1,898.19	132.13	15.366		
12,800.00	9,360.00	11,683.47	8,418.00	75.90	73.88	62.444	-394.87	3,236.53	2,030.32	1,895.51	134.81	15.060		
12,823.32	9,360.00	11,706.79	8,418.00	76.34	74.33	62.444	-394.81	3,259.85	2,030.32	1,894.70	135.63	14.970		
12,900.00	9,360.00	11,783.47	8,418.00	77.81	75.84	62.444	-394.58	3,336.53	2,030.32	1,892.01	138.32	14.679		
12,923.32	9,360.00	11,806.79	8,418.00	78.26	76.30	62.444	-394.51	3,359.85	2,030.32	1,891.19	139.14	14.592		
13,000.00	9,360.00	11,883.47	8,418.00	79.73	77.81	62.444	-394.29	3,436.53	2,030.32	1,888.49	141.83	14.315		
13,023.32	9,360.00	11,906.79	8,418.00	80.18	78.27	62.444	-394.22	3,459.85	2,030.32	1,887.67	142.65	14.233		
13,100.00	9,360.00	11,983.47	8,418.00	81.66	79.79	62.444	-394.00	3,536.53	2,030.32	1,884.97	145.36	13.968		
13,123.32	9,360.00	12,006.79	8,418.00	82.11	80.25	62.444	-393.93	3,559.85	2,030.32	1,884.14	146.18	13.889		
13,200.00	9,360.00	12,083.47	8,418.00	83.59	81.77	62.444	-393.70	3,636.53	2,030.32	1,881.43	148.90	13.636		
13,223.32	9,360.00	12,106.79	8,418.00	84.04	82.23	62.444	-393.64	3,659.85	2,030.32	1,880.60	149.72	13.561		
13,300.00	9,360.00	12,183.47	8,418.00	85.53	83.75	62.444	-393.41	3,736.53	2,030.32	1,877.88	152.44	13.319		
13,323.32	9,360.00	12,206.79	8,418.00	85.98	84.21	62.444	-393.34	3,759.85	2,030.32	1,877.05	153.27	13.247		
13,400.00	9,360.00	12,283.47	8,418.00	87.48	85.74	62.444	-393.12	3,836.53	2,030.32	1,874.33	156.00	13.015		
13,423.32	9,360.00	12,306.79	8,418.00	87.93	86.20	62.444	-393.05	3,859.85	2,030.32	1,873.50	156.83	12.946		
13,500.00	9,360.00	12,383.47	8,418.00	89.43	87.73	62.444	-392.83	3,936.53	2,030.32	1,870.76	159.56	12.724		
13,523.32	9,360.00	12,406.79	8,418.00	89.88	88.19	62.444	-392.76	3,959.84	2,030.32	1,869.93	160.39	12.658		
13,600.00	9,360.00	12,483.47	8,418.00	91.38	89.72	62.444	-392.53	4,036.53	2,030.32	1,867.19	163.13	12.446		
13,623.32	9,360.00	12,506.79	8,418.00	91.84	90.19	62.444	-392.47	4,059.84	2,030.32	1,866.36	163.97	12.382		
13,700.00	9,360.00	12,583.47	8,418.00	93.35	91.72	62.444	-392.24	4,136.53	2,030.32	1,863.61	166.71	12.179		
13,723.32	9,360.00	12,606.79	8,418.00	93.80	92.19	62.444	-392.17	4,159.84	2,030.32	1,862.78	167.55	12.118		
13,800.00	9,360.00	12,683.47	8,418.00	95.31	93.72	62.444	-391.95	4,236.53	2,030.32	1,860.03	170.30	11.922		
13,823.32	9,360.00	12,706.79	8,418.00	95.77	94.19	62.444	-391.88	4,259.84	2,030.32	1,859.19	171.14	11.864		
13,900.00	9,360.00	12,783.47	8,418.00	97.28	95.73	62.444	-391.66	4,336.53	2,030.32	1,856.43	173.89	11.676		
13,923.32	9,360.00	12,806.79	8,418.00	97.74	96.20	62.444	-391.59	4,359.84	2,030.32	1,855.60	174.73	11.620		
14,000.00	9,360.00	12,883.47	8,418.00	99.26	97.74	62.444	-391.36	4,436.53	2,030.32	1,852.84	177.49	11.439		
14,023.32	9,360.00	12,906.79	8,418.00	99.72	98.20	62.444	-391.30	4,459.84	2,030.32	1,852.00	178.33	11.385		
14,100.00	9,360.00	12,983.47	8,418.00	101.24	99.75	62.444	-391.07	4,536.52	2,030.32	1,849.23	181.09	11.212		
14,123.32	9,360.00	13,006.79	8,418.00	101.70	100.21	62.444	-391.00	4,559.84	2,030.32	1,848.39	181.93	11.160		
14,200.00	9,360.00	13,083.47	8,418.00	103.22	101.76	62.444	-390.78	4,636.52	2,030.32	1,845.62	184.70	10.992		
14,223.32	9,360.00	13,106.79	8,418.00	103.68	102.23	62.444	-390.71	4,659.84	2,030.32	1,844.78	185.54	10.943		
14,300.00	9,360.00	13,183.47	8,418.00	105.20	103.77	62.444	-390.49	4,736.52	2,030.32	1,842.01	188.31	10.782		
14,323.32	9,360.00	13,206.79	8,418.00	105.67	104.24	62.444	-390.42	4,759.84	2,030.32	1,841.17	189.16	10.733		
14,400.00	9,360.00	13,283.47	8,418.00	107.19	105.79	62.444	-390.19	4,836.52	2,030.32	1,838.39	191.93	10.578		
14,423.32	9,360.00	13,306.79	8,418.00	107.66	106.26	62.444	-390.13	4,859.84	2,030.32	1,837.55	192.78	10.532		
14,500.00	9,360.00	13,383.47	8,418.00	109.18	107.81	62.444	-389.90	4,936.52	2,030.32	1,834.77	195.56	10.382		
14,523.32	9,360.00	13,406.79	8,418.00	109.65	108.28	62.444	-389.83	4,959.84	2,030.32	1,833.92	196.40	10.338		
14,600.00	9,360.00	13,483.47	8,418.00	111.18	109.83	62.444	-389.61	5,036.52	2,030.32	1,831.14	199.18	10.193		
14,623.32	9,360.00	13,506.79	8,418.00	111.64	110.30	62.444	-389.54	5,059.84	2,030.32	1,830.29	200.03	10.150		
14,700.00	9,360.00	13,583.47	8,418.00	113.17	111.85	62.444	-389.32	5,136.52	2,030.32	1,827.51	202.82	10.011		
14,723.32	9,360.00	13,606.79	8,418.00	113.64	112.32	62.444	-389.25	5,159.84	2,030.32	1,826.66	203.66	9.969		
14,800.00	9,360.00	13,683.47	8,418.00	115.17	113.88	62.444	-389.02	5,236.52	2,030.32	1,823.87	206.45	9.834		
14,823.32	9,360.00	13,706.79	8,418.00	115.64	114.35	62.444	-388.96	5,259.84	2,030.32	1,823.03	207.30	9.794		
14,900.00	9,360.00	13,783.47	8,418.00	117.18	115.90	62.444	-388.73	5,336.52	2,030.32	1,820.24	210.09	9.664		
14,923.32	9,360.00	13,806.79	8,418.00	117.64	116.37	62.444	-388.66	5,359.84	2,030.32	1,819.39	210.94	9.625		
15,000.00	9,360.00	13,883.47	8,418.00	119.18	117.93	62.444	-388.44	5,436.52	2,030.32	1,816.59	213.73	9.499		
15,023.32	9,360.00	13,906.79	8,418.00	119.65	118.40	62.444	-388.37	5,459.84	2,030.32	1,815.74	214.58	9.462		
15,100.00	9,360.00	13,983.47	8,418.00	121.19	119.96	62.444	-388.15	5,536.52	2,030.32	1,812.95	217.38	9.340		
15,123.32	9,360.00	14,006.79	8,418.00	121.66	120.43	62.444	-388.08	5,559.84	2,030.32	1,812.10	218.23	9.304		
15,200.00	9,360.00	14,083.47	8,418.00	123.20	121.99	62.444	-387.85	5,636.52	2,030.32	1,809.30	221.03	9.186		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1								Rule Assigned:			Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	
15,223.32	9,360.00	14,106.79	8,418.00	123.67	122.46	62.444	-387.79	5,659.84	2,030.32	1,808.45	221.88	9.151		
15,300.00	9,360.00	14,183.47	8,418.00	125.21	124.02	62.444	-387.56	5,736.52	2,030.32	1,805.65	224.68	9.037		
15,323.32	9,360.00	14,206.79	8,418.00	125.68	124.49	62.444	-387.49	5,759.84	2,030.32	1,804.80	225.53	9.003		
15,400.00	9,360.00	14,283.47	8,418.00	127.22	126.05	62.444	-387.27	5,836.52	2,030.32	1,801.99	228.33	8.892		
15,423.32	9,360.00	14,306.79	8,418.00	127.69	126.52	62.444	-387.20	5,859.84	2,030.32	1,801.14	229.18	8.859		
15,500.00	9,360.00	14,383.47	8,418.00	129.23	128.08	62.444	-386.98	5,936.52	2,030.32	1,798.34	231.99	8.752		
15,523.32	9,360.00	14,406.79	8,418.00	129.70	128.56	62.444	-386.91	5,959.84	2,030.32	1,797.48	232.84	8.720		
15,600.00	9,360.00	14,483.47	8,418.00	131.25	130.12	62.444	-386.68	6,036.52	2,030.32	1,794.68	235.65	8.616		
15,623.32	9,360.00	14,506.79	8,418.00	131.72	130.59	62.444	-386.62	6,059.84	2,030.32	1,793.82	236.50	8.585		
15,700.00	9,360.00	14,583.47	8,418.00	133.27	132.16	62.444	-386.39	6,136.52	2,030.32	1,791.02	239.31	8.484		
15,723.32	9,360.00	14,606.79	8,418.00	133.74	132.63	62.444	-386.32	6,159.84	2,030.32	1,790.16	240.16	8.454		
15,800.00	9,360.00	14,683.47	8,418.00	135.29	134.19	62.444	-386.10	6,236.52	2,030.32	1,787.35	242.97	8.356		
15,823.32	9,360.00	14,706.79	8,418.00	135.76	134.67	62.444	-386.03	6,259.84	2,030.32	1,786.50	243.83	8.327		
15,900.00	9,360.00	14,783.47	8,418.00	137.31	136.23	62.444	-385.81	6,336.52	2,030.32	1,783.69	246.64	8.232		
15,923.32	9,360.00	14,806.79	8,418.00	137.78	136.71	62.444	-385.74	6,359.83	2,030.32	1,782.83	247.49	8.204		
16,000.00	9,360.00	14,883.47	8,418.00	139.33	138.27	62.444	-385.51	6,436.52	2,030.32	1,780.02	250.31	8.111		
16,023.32	9,360.00	14,906.79	8,418.00	139.80	138.75	62.444	-385.45	6,459.83	2,030.32	1,779.16	251.16	8.084		
16,100.00	9,360.00	14,983.47	8,418.00	141.35	140.31	62.444	-385.22	6,536.52	2,030.32	1,776.35	253.98	7.994		
16,123.32	9,360.00	15,006.79	8,418.00	141.83	140.79	62.444	-385.15	6,559.83	2,030.32	1,775.49	254.83	7.967		
16,200.00	9,360.00	15,083.47	8,418.00	143.38	142.35	62.444	-384.93	6,636.52	2,030.32	1,772.68	257.65	7.880		
16,223.32	9,360.00	15,106.79	8,418.00	143.85	142.83	62.444	-384.86	6,659.83	2,030.32	1,771.82	258.50	7.854		
16,300.00	9,360.00	15,183.47	8,418.00	145.41	144.39	62.444	-384.64	6,736.52	2,030.32	1,769.00	261.32	7.769		
16,323.32	9,360.00	15,206.79	8,418.00	145.88	144.87	62.444	-384.57	6,759.83	2,030.32	1,768.15	262.18	7.744		
16,400.00	9,360.00	15,283.47	8,418.00	147.43	146.43	62.444	-384.34	6,836.52	2,030.32	1,765.33	265.00	7.662		
16,423.32	9,360.00	15,306.79	8,418.00	147.91	146.91	62.444	-384.28	6,859.83	2,030.32	1,764.47	265.86	7.637		
16,500.00	9,360.00	15,383.47	8,418.00	149.46	148.48	62.444	-384.05	6,936.51	2,030.32	1,761.65	268.67	7.557		
16,523.32	9,360.00	15,406.79	8,418.00	149.94	148.95	62.444	-383.98	6,959.83	2,030.32	1,760.79	269.53	7.533		
16,600.00	9,360.00	15,483.47	8,418.00	151.49	150.52	62.444	-383.76	7,036.51	2,030.32	1,757.97	272.35	7.455		
16,623.32	9,360.00	15,506.79	8,418.00	151.97	151.00	62.444	-383.69	7,059.83	2,030.32	1,757.11	273.21	7.431		
16,700.00	9,360.00	15,583.47	8,418.00	153.52	152.57	62.444	-383.47	7,136.51	2,030.32	1,754.29	276.03	7.355		
16,723.32	9,360.00	15,606.79	8,418.00	154.00	153.04	62.444	-383.40	7,159.83	2,030.32	1,753.43	276.89	7.333		
16,800.00	9,360.00	15,683.47	8,418.00	155.56	154.61	62.444	-383.17	7,236.51	2,030.32	1,750.61	279.72	7.259		
16,823.32	9,360.00	15,706.79	8,418.00	156.03	155.09	62.444	-383.11	7,259.83	2,030.32	1,749.75	280.58	7.236		
16,900.00	9,360.00	15,783.47	8,418.00	157.59	156.66	62.444	-382.88	7,336.51	2,030.32	1,746.92	283.40	7.164		
16,923.32	9,360.00	15,806.79	8,418.00	158.06	157.14	62.444	-382.81	7,359.83	2,030.32	1,746.07	284.26	7.143		
17,000.00	9,360.00	15,883.47	8,418.00	159.62	158.70	62.444	-382.59	7,436.51	2,030.32	1,743.24	287.08	7.072		
17,023.32	9,360.00	15,906.79	8,418.00	160.10	159.18	62.444	-382.52	7,459.83	2,030.32	1,742.38	287.94	7.051		
17,100.00	9,360.00	15,983.47	8,418.00	161.66	160.75	62.444	-382.30	7,536.51	2,030.32	1,739.55	290.77	6.983		
17,123.32	9,360.00	16,006.79	8,418.00	162.13	161.23	62.444	-382.23	7,559.83	2,030.32	1,738.69	291.63	6.962		
17,200.00	9,360.00	16,083.47	8,418.00	163.69	162.80	62.444	-382.00	7,636.51	2,030.32	1,735.87	294.46	6.895		
17,223.32	9,360.00	16,106.79	8,418.00	164.17	163.28	62.444	-381.94	7,659.83	2,030.32	1,735.01	295.32	6.875		
17,300.00	9,360.00	16,183.47	8,418.00	165.73	164.85	62.444	-381.71	7,736.51	2,030.32	1,732.18	298.15	6.810		
17,323.32	9,360.00	16,206.79	8,418.00	166.20	165.33	62.444	-381.64	7,759.83	2,030.32	1,731.32	299.01	6.790		
17,400.00	9,360.00	16,283.47	8,418.00	167.77	166.90	62.444	-381.42	7,836.51	2,030.32	1,728.49	301.84	6.727		
17,423.32	9,360.00	16,306.79	8,418.00	168.24	167.37	62.444	-381.35	7,859.83	2,030.32	1,727.63	302.70	6.707		
17,500.00	9,360.00	16,383.47	8,418.00	169.80	168.95	62.444	-381.13	7,936.51	2,030.32	1,724.80	305.53	6.645		
17,523.32	9,360.00	16,406.79	8,418.00	170.28	169.42	62.444	-381.06	7,959.83	2,030.32	1,723.94	306.39	6.627		
17,600.00	9,360.00	16,483.47	8,418.00	171.84	171.00	62.444	-380.83	8,036.51	2,030.32	1,721.11	309.22	6.566		
17,623.32	9,360.00	16,506.79	8,418.00	172.32	171.47	62.444	-380.77	8,059.83	2,030.32	1,720.24	310.08	6.548		
17,700.00	9,360.00	16,583.47	8,418.00	173.88	173.05	62.444	-380.54	8,136.51	2,030.32	1,717.41	312.91	6.488		
17,723.32	9,360.00	16,606.79	8,418.00	174.36	173.52	62.444	-380.47	8,159.83	2,030.32	1,716.55	313.77	6.471		
17,800.00	9,360.00	16,683.47	8,418.00	175.92	175.10	62.444	-380.25	8,236.51	2,030.32	1,713.72	316.61	6.413		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
17,823.32	9,360.00	16,706.79	8,418.00	176.40	175.58	62.444	-380.18	8,259.83	2,030.32	1,712.86	317.47	6.395	
17,900.00	9,360.00	16,783.47	8,418.00	177.96	177.15	62.444	-379.96	8,336.51	2,030.32	1,710.02	320.30	6.339	
17,923.32	9,360.00	16,806.79	8,418.00	178.44	177.63	62.444	-379.89	8,359.83	2,030.32	1,709.16	321.16	6.322	
18,000.00	9,360.00	16,883.47	8,418.00	180.01	179.20	62.444	-379.66	8,436.51	2,030.32	1,706.33	324.00	6.266	
18,023.32	9,360.00	16,906.79	8,418.00	180.48	179.68	62.444	-379.60	8,459.83	2,030.32	1,705.47	324.86	6.250	
18,100.00	9,360.00	16,983.47	8,418.00	182.05	181.25	62.444	-379.37	8,536.51	2,030.32	1,702.63	327.69	6.196	
18,123.32	9,360.00	17,006.79	8,418.00	182.52	181.73	62.444	-379.30	8,559.83	2,030.32	1,701.77	328.56	6.180	
18,200.00	9,360.00	17,083.47	8,418.00	184.09	183.30	62.444	-379.08	8,636.51	2,030.32	1,698.93	331.39	6.127	
18,223.32	9,360.00	17,106.79	8,418.00	184.57	183.78	62.444	-379.01	8,659.82	2,030.32	1,698.07	332.25	6.111	
18,300.00	9,360.00	17,183.47	8,418.00	186.13	185.36	62.444	-378.79	8,736.51	2,030.32	1,695.23	335.09	6.059	
18,323.32	9,360.00	17,206.79	8,418.00	186.61	185.84	62.444	-378.72	8,759.82	2,030.32	1,694.37	335.95	6.043	
18,400.00	9,360.00	17,283.47	8,418.00	188.18	187.41	62.444	-378.50	8,836.51	2,030.32	1,691.53	338.79	5.993	
18,423.32	9,360.00	17,306.79	8,418.00	188.66	187.89	62.444	-378.43	8,859.82	2,030.32	1,690.67	339.65	5.978	
18,500.00	9,360.00	17,383.47	8,418.00	190.22	189.46	62.444	-378.20	8,936.51	2,030.32	1,687.83	342.49	5.928	
18,523.32	9,360.00	17,406.79	8,418.00	190.70	189.94	62.444	-378.13	8,959.82	2,030.32	1,686.97	343.35	5.913	
18,600.00	9,360.00	17,483.47	8,418.00	192.27	191.52	62.444	-377.91	9,036.51	2,030.32	1,684.13	346.19	5.865	
18,623.32	9,360.00	17,506.79	8,418.00	192.75	192.00	62.444	-377.84	9,059.82	2,030.32	1,683.27	347.05	5.850	
18,700.00	9,360.00	17,583.47	8,418.00	194.31	193.57	62.444	-377.62	9,136.51	2,030.32	1,680.43	349.89	5.803	
18,723.32	9,360.00	17,606.79	8,418.00	194.79	194.05	62.444	-377.55	9,159.82	2,030.32	1,679.57	350.76	5.788	
18,800.00	9,360.00	17,683.47	8,418.00	196.36	195.63	62.444	-377.33	9,236.50	2,030.32	1,676.73	353.60	5.742	
18,823.32	9,360.00	17,706.79	8,418.00	196.84	196.11	62.444	-377.26	9,259.82	2,030.32	1,675.87	354.46	5.728	
18,900.00	9,360.00	17,783.47	8,418.00	198.41	197.68	62.444	-377.03	9,336.50	2,030.32	1,673.03	357.30	5.682	
18,923.32	9,360.00	17,806.79	8,418.00	198.88	198.16	62.444	-376.96	9,359.82	2,030.32	1,672.16	358.16	5.669	
19,000.00	9,360.00	17,883.47	8,418.00	200.45	199.74	62.444	-376.74	9,436.50	2,030.32	1,669.32	361.00	5.624	
19,023.32	9,360.00	17,906.79	8,418.00	200.93	200.22	62.444	-376.67	9,459.82	2,030.32	1,668.46	361.87	5.611	
19,100.00	9,360.00	17,983.47	8,418.00	202.50	201.79	62.444	-376.45	9,536.50	2,030.32	1,665.62	364.71	5.567	
19,123.32	9,360.00	18,006.79	8,418.00	202.98	202.27	62.444	-376.38	9,559.82	2,030.32	1,664.75	365.57	5.554	
19,200.00	9,360.00	18,083.47	8,418.00	204.55	203.85	62.444	-376.16	9,636.50	2,030.32	1,661.91	368.41	5.511	
19,223.32	9,360.00	18,106.79	8,418.00	205.03	204.33	62.444	-376.09	9,659.82	2,030.32	1,661.05	369.28	5.498	
19,300.00	9,360.00	18,183.47	8,418.00	206.60	205.90	62.444	-375.86	9,736.50	2,030.32	1,658.21	372.12	5.456	
19,323.32	9,360.00	18,206.79	8,418.00	207.08	206.38	62.444	-375.79	9,759.82	2,030.32	1,657.34	372.98	5.443	
19,400.00	9,360.00	18,283.47	8,418.00	208.65	207.96	62.444	-375.57	9,836.50	2,030.32	1,654.50	375.82	5.402	
19,423.32	9,360.00	18,306.79	8,418.00	209.13	208.44	62.444	-375.50	9,859.82	2,030.32	1,653.64	376.69	5.390	
19,500.00	9,360.00	18,383.47	8,418.00	210.70	210.02	62.444	-375.28	9,936.50	2,030.32	1,650.79	379.53	5.350	
19,523.32	9,360.00	18,406.79	8,418.00	211.17	210.50	62.444	-375.21	9,959.82	2,030.32	1,649.93	380.40	5.337	
19,600.00	9,360.00	18,483.47	8,418.00	212.75	212.07	62.444	-374.99	10,036.50	2,030.32	1,647.09	383.24	5.298	
19,623.32	9,360.00	18,506.79	8,418.00	213.22	212.55	62.444	-374.92	10,059.82	2,030.32	1,646.22	384.10	5.286	
19,700.00	9,360.00	18,583.47	8,418.00	214.80	214.13	62.444	-374.69	10,136.50	2,030.32	1,643.38	386.95	5.247	
19,723.32	9,360.00	18,606.79	8,418.00	215.27	214.61	62.444	-374.62	10,159.82	2,030.32	1,642.51	387.81	5.235	
19,800.00	9,360.00	18,683.47	8,418.00	216.85	216.19	62.444	-374.40	10,236.50	2,030.32	1,639.67	390.66	5.197	
19,823.32	9,360.00	18,706.79	8,418.00	217.33	216.67	62.444	-374.33	10,259.82	2,030.32	1,638.80	391.52	5.186	
19,900.00	9,360.00	18,783.47	8,418.00	218.90	218.25	62.444	-374.11	10,336.50	2,030.32	1,635.96	394.37	5.148	
19,923.32	9,360.00	18,806.79	8,418.00	219.38	218.73	62.444	-374.04	10,359.82	2,030.32	1,635.09	395.23	5.137	
20,000.00	9,360.00	18,883.47	8,418.00	220.95	220.30	62.444	-373.82	10,436.50	2,030.32	1,632.25	398.08	5.100	
20,023.32	9,360.00	18,906.79	8,418.00	221.43	220.78	62.444	-373.75	10,459.82	2,030.32	1,631.38	398.94	5.089	
20,100.00	9,360.00	18,983.47	8,418.00	223.00	222.36	62.444	-373.52	10,536.50	2,030.32	1,628.54	401.79	5.053	
20,123.32	9,360.00	19,006.79	8,418.00	223.48	222.84	62.444	-373.45	10,559.82	2,030.32	1,627.67	402.65	5.042	
20,200.00	9,360.00	19,083.47	8,418.00	225.05	224.42	62.444	-373.23	10,636.50	2,030.32	1,624.83	405.50	5.007	
20,223.32	9,360.00	19,106.79	8,418.00	225.53	224.90	62.444	-373.16	10,659.82	2,030.32	1,623.96	406.36	4.996	
20,300.00	9,360.00	19,183.47	8,418.00	227.11	226.48	62.444	-372.94	10,736.50	2,030.32	1,621.12	409.21	4.962	
20,323.32	9,360.00	19,206.79	8,418.00	227.58	226.96	62.444	-372.87	10,759.82	2,030.32	1,620.25	410.07	4.951	
20,400.00	9,360.00	19,283.47	8,418.00	229.16	228.54	62.444	-372.65	10,836.50	2,030.32	1,617.41	412.92	4.917	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1				Rule Assigned:							Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			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)			
20,423.32	9,360.00	19,306.79	8,418.00	229.64	229.02	62.444	-372.58	10,859.82	2,030.32	1,616.54	413.78	4.907		
20,500.00	9,360.00	19,383.47	8,418.00	231.21	230.60	62.444	-372.35	10,936.50	2,030.32	1,613.69	416.63	4.873		
20,523.32	9,360.00	19,406.79	8,418.00	231.69	231.08	62.444	-372.28	10,959.82	2,030.32	1,612.83	417.50	4.863		
20,600.00	9,360.00	19,483.47	8,418.00	233.26	232.66	62.444	-372.06	11,036.50	2,030.32	1,609.98	420.34	4.830		
20,623.32	9,360.00	19,506.79	8,418.00	233.74	233.14	62.444	-371.99	11,059.81	2,030.32	1,609.12	421.21	4.820		
20,700.00	9,360.00	19,583.47	8,418.00	235.32	234.72	62.444	-371.77	11,136.50	2,030.32	1,606.27	424.06	4.788		
20,723.32	9,360.00	19,606.79	8,418.00	235.80	235.20	62.444	-371.70	11,159.81	2,030.32	1,605.40	424.92	4.778		
20,800.00	9,360.00	19,683.47	8,418.00	237.37	236.78	62.444	-371.48	11,236.50	2,030.32	1,602.55	427.77	4.746		
20,823.32	9,360.00	19,706.79	8,418.00	237.85	237.26	62.444	-371.41	11,259.81	2,030.32	1,601.69	428.64	4.737		
20,900.00	9,360.00	19,783.47	8,418.00	239.43	238.84	62.444	-371.18	11,336.50	2,030.32	1,598.84	431.48	4.705		
20,923.32	9,360.00	19,806.79	8,418.00	239.90	239.32	62.444	-371.11	11,359.81	2,030.32	1,597.98	432.35	4.696		
21,000.00	9,360.00	19,883.47	8,418.00	241.48	240.90	62.444	-370.89	11,436.50	2,030.32	1,595.13	435.20	4.665		
21,023.32	9,360.00	19,906.79	8,418.00	241.96	241.38	62.444	-370.82	11,459.81	2,030.32	1,594.26	436.06	4.656		
21,100.00	9,360.00	19,983.47	8,418.00	243.53	242.96	62.444	-370.60	11,536.50	2,030.32	1,591.41	438.91	4.626		
21,123.32	9,360.00	20,006.79	8,418.00	244.01	243.44	62.444	-370.53	11,559.81	2,030.32	1,590.55	439.78	4.617		
21,200.00	9,360.00	20,083.47	8,418.00	245.59	245.02	62.444	-370.31	11,636.49	2,030.32	1,587.70	442.63	4.587		
21,223.32	9,360.00	20,106.79	8,418.00	246.07	245.50	62.444	-370.24	11,659.81	2,030.32	1,586.83	443.49	4.578		
21,300.00	9,360.00	20,183.47	8,418.00	247.64	247.08	62.444	-370.01	11,736.49	2,030.32	1,583.98	446.34	4.549		
21,323.32	9,360.00	20,206.79	8,418.00	248.12	247.56	62.444	-369.94	11,759.81	2,030.32	1,583.12	447.21	4.540		
21,400.00	9,360.00	20,283.47	8,418.00	249.70	249.14	62.444	-369.72	11,836.49	2,030.32	1,580.27	450.06	4.511		
21,423.32	9,360.00	20,306.79	8,418.00	250.18	249.62	62.444	-369.65	11,859.81	2,030.32	1,579.40	450.92	4.503		
21,500.00	9,360.00	20,383.47	8,418.00	251.76	251.20	62.444	-369.43	11,936.49	2,030.32	1,576.55	453.77	4.474		
21,523.32	9,360.00	20,406.79	8,418.00	252.23	251.68	62.444	-369.36	11,959.81	2,030.32	1,575.68	454.64	4.466		
21,600.00	9,360.00	20,483.47	8,418.00	253.81	253.26	62.444	-369.14	12,036.49	2,030.32	1,572.83	457.49	4.438		
21,623.32	9,360.00	20,506.79	8,418.00	254.29	253.74	62.444	-369.07	12,059.81	2,030.32	1,571.97	458.36	4.430		
21,700.00	9,360.00	20,583.47	8,418.00	255.87	255.32	62.444	-368.84	12,136.49	2,030.32	1,569.12	461.21	4.402		
21,723.32	9,360.00	20,606.79	8,418.00	256.35	255.80	62.444	-368.77	12,159.81	2,030.32	1,568.25	462.07	4.394		
21,800.00	9,360.00	20,683.47	8,418.00	257.92	257.38	62.444	-368.55	12,236.49	2,030.32	1,565.40	464.92	4.367		
21,823.32	9,360.00	20,706.79	8,418.00	258.40	257.86	62.444	-368.48	12,259.81	2,030.32	1,564.53	465.79	4.359		
21,900.00	9,360.00	20,783.47	8,418.00	259.98	259.44	62.444	-368.26	12,336.49	2,030.32	1,561.68	468.64	4.332		
21,923.32	9,360.00	20,806.79	8,418.00	260.46	259.92	62.444	-368.19	12,359.81	2,030.32	1,560.82	469.51	4.324		
22,000.00	9,360.00	20,883.47	8,418.00	262.04	261.50	62.444	-367.97	12,436.49	2,030.32	1,557.97	472.36	4.298		
22,023.32	9,360.00	20,906.79	8,418.00	262.52	261.98	62.444	-367.90	12,459.81	2,030.32	1,557.10	473.22	4.290		
22,100.00	9,360.00	20,983.47	8,418.00	264.09	263.56	62.444	-367.67	12,536.49	2,030.32	1,554.25	476.08	4.265		
22,123.32	9,360.00	21,006.79	8,418.00	264.57	264.04	62.444	-367.61	12,559.81	2,030.32	1,553.38	476.94	4.257		
22,200.00	9,360.00	21,083.47	8,418.00	266.15	265.63	62.444	-367.38	12,636.49	2,030.32	1,550.53	479.79	4.232		
22,223.32	9,360.00	21,106.79	8,418.00	266.63	266.11	62.444	-367.31	12,659.81	2,030.32	1,549.66	480.66	4.224		
22,300.00	9,360.00	21,183.47	8,418.00	268.21	267.69	62.444	-367.09	12,736.49	2,030.32	1,546.81	483.51	4.199		
22,323.32	9,360.00	21,206.79	8,418.00	268.69	268.17	62.444	-367.02	12,759.81	2,030.32	1,545.95	484.38	4.192		
22,400.00	9,360.00	21,283.47	8,418.00	270.27	269.75	62.444	-366.80	12,836.49	2,030.32	1,543.09	487.23	4.167		
22,423.32	9,360.00	21,306.79	8,418.00	270.75	270.23	62.444	-366.73	12,859.81	2,030.32	1,542.23	488.10	4.160		
22,500.00	9,360.00	21,383.47	8,418.00	272.32	271.81	62.444	-366.50	12,936.49	2,030.32	1,539.37	490.95	4.136		
22,523.32	9,360.00	21,406.79	8,418.00	272.80	272.29	62.444	-366.44	12,959.81	2,030.32	1,538.51	491.82	4.128		
22,600.00	9,360.00	21,483.47	8,418.00	274.38	273.87	62.444	-366.21	13,036.49	2,030.32	1,535.66	494.67	4.104		
22,623.32	9,360.00	21,506.79	8,418.00	274.86	274.35	62.444	-366.14	13,059.81	2,030.32	1,534.79	495.54	4.097		
22,700.00	9,360.00	21,583.47	8,418.00	276.44	275.94	62.444	-365.92	13,136.49	2,030.32	1,531.94	498.39	4.074		
22,723.32	9,360.00	21,606.79	8,418.00	276.92	276.42	62.444	-365.85	13,159.81	2,030.32	1,531.07	499.26	4.067		
22,800.00	9,360.00	21,683.47	8,418.00	278.50	278.00	62.444	-365.63	13,236.49	2,030.32	1,528.22	502.11	4.044		
22,823.32	9,360.00	21,706.79	8,418.00	278.98	278.48	62.444	-365.56	13,259.81	2,030.32	1,527.35	502.98	4.037		
22,900.00	9,360.00	21,783.47	8,418.00	280.56	280.06	62.444	-365.33	13,336.49	2,030.32	1,524.50	505.83	4.014		
22,906.71	9,360.00	21,790.18	8,418.00	280.69	280.20	62.444	-365.31	13,343.20	2,030.32	1,524.25	506.08	4.012		
22,928.71	9,360.00	21,812.18	8,418.00	281.15	280.65	62.444	-365.25	13,365.19	2,030.32	1,523.43	506.90	4.005 SF		

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



Dixon Directional
Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error: 0.00 usft	
Survey Program: 0-GYRO-NS		Offset		Semi Major Axis		Highside Toolface (°)	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)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	-7.285	1,394.05	-178.21	1,405.55					
100.00	100.00	77.40	77.40	0.79	0.94	-7.296	1,394.05	-178.49	1,405.43	1,403.70	1.73	813.584		
200.00	200.00	175.64	175.63	1.45	2.14	-7.345	1,394.06	-179.69	1,405.59	1,402.01	3.58	392.279		
300.00	300.00	272.50	272.48	1.89	2.85	-7.417	1,394.14	-181.49	1,405.92	1,401.18	4.74	296.807		
400.00	400.00	368.92	368.88	2.25	3.39	-7.486	1,394.47	-183.23	1,406.49	1,400.84	5.65	249.106		
500.00	500.00	470.59	470.53	2.57	3.91	-7.556	1,394.95	-185.03	1,407.19	1,400.72	6.48	217.286		
600.00	600.00	574.75	574.67	2.85	4.41	-7.636	1,395.15	-187.04	1,407.63	1,400.37	7.26	193.906		
700.00	700.00	674.57	674.48	3.11	4.86	-7.714	1,395.15	-188.97	1,407.89	1,399.93	7.97	176.698		
800.00	800.00	773.02	772.91	3.35	5.29	-7.774	1,395.30	-190.49	1,408.25	1,399.61	8.64	162.956		
900.00	900.00	871.98	871.86	3.58	5.71	-7.820	1,395.59	-191.68	1,408.71	1,399.43	9.29	151.691		
1,000.00	1,000.00	971.12	971.00	3.79	6.12	-7.860	1,395.97	-192.71	1,409.23	1,399.32	9.91	142.145		
1,100.00	1,100.00	1,069.15	1,069.02	3.99	6.52	-7.897	1,396.44	-193.70	1,409.84	1,399.33	10.52	134.054		
1,200.00	1,200.00	1,166.71	1,166.57	4.19	6.92	-7.944	1,397.03	-194.96	1,410.62	1,399.52	11.11	127.020		
1,300.00	1,300.00	1,266.09	1,265.94	4.38	7.31	-7.997	1,397.74	-196.37	1,411.53	1,399.84	11.69	120.774		
1,400.00	1,400.00	1,366.43	1,366.27	4.56	7.70	-8.036	1,398.50	-197.44	1,412.43	1,400.16	12.26	115.175		
1,500.00	1,500.00	1,470.29	1,470.12	4.74	8.10	-8.063	1,399.22	-198.21	1,413.22	1,400.37	12.84	110.045		
1,600.00	1,600.00	1,575.93	1,575.76	4.91	8.51	-8.092	1,399.55	-198.98	1,413.63	1,400.21	13.42	105.338		
1,700.00	1,700.00	1,674.54	1,674.37	5.08	8.88	-8.116	1,399.67	-199.61	1,413.84	1,399.87	13.96	101.261		
1,800.00	1,800.00	1,771.09	1,770.92	5.24	9.25	-8.127	1,400.04	-199.94	1,414.27	1,399.78	14.49	97.594		
1,900.00	1,900.00	1,871.48	1,871.31	5.40	9.63	-8.125	1,400.63	-199.95	1,414.85	1,399.82	15.03	94.146		
2,000.00	2,000.00	1,973.52	1,973.34	5.56	10.01	-8.109	1,401.14	-199.64	1,415.31	1,399.74	15.57	90.918		
2,100.00	2,099.98	2,078.02	2,077.84	5.80	10.40	2.772	1,401.48	-199.09	1,413.81	1,397.61	16.20	87.291		
2,200.00	2,199.84	2,183.23	2,183.06	6.05	10.79	2.808	1,401.42	-198.57	1,408.46	1,391.62	16.83	83.664		
2,300.00	2,299.45	2,280.26	2,280.08	6.31	11.14	2.854	1,401.23	-198.05	1,399.48	1,382.03	17.45	80.177		
2,400.00	2,398.70	2,375.47	2,375.29	6.59	11.49	2.921	1,401.34	-197.34	1,387.33	1,369.24	18.09	76.710		
2,500.00	2,497.47	2,472.76	2,472.57	6.89	11.85	3.013	1,401.71	-196.36	1,371.94	1,353.19	18.74	73.206		
2,600.00	2,595.62	2,570.33	2,570.13	7.21	12.21	3.135	1,402.18	-195.03	1,353.17	1,333.75	19.42	69.694		
2,700.00	2,693.06	2,662.47	2,662.26	7.54	12.54	3.273	1,402.79	-193.68	1,331.16	1,311.07	20.09	66.262		
2,800.00	2,789.64	2,752.02	2,751.80	7.90	12.87	3.398	1,403.78	-193.03	1,306.28	1,285.51	20.77	62.890		
2,900.00	2,885.35	2,842.77	2,842.54	8.18	13.20	3.498	1,405.16	-193.07	1,278.81	1,257.43	21.38	59.808		
3,000.00	2,980.88	2,935.53	2,935.29	8.51	13.54	3.568	1,406.81	-193.49	1,251.03	1,228.98	22.05	56.734		
3,100.00	3,076.41	3,028.52	3,028.25	8.85	13.88	3.627	1,408.65	-194.25	1,223.51	1,200.77	22.74	53.807		
3,200.00	3,171.93	3,121.80	3,121.50	9.22	14.21	3.676	1,410.70	-195.28	1,196.21	1,172.77	23.44	51.028		
3,300.00	3,267.46	3,215.74	3,215.41	9.59	14.55	3.716	1,412.96	-196.57	1,169.15	1,144.99	24.16	48.388		
3,400.00	3,362.99	3,312.47	3,312.10	9.98	14.90	3.756	1,415.33	-197.97	1,142.15	1,117.24	24.90	45.865		
3,500.00	3,458.52	3,409.16	3,408.75	10.38	15.25	3.800	1,417.67	-199.32	1,115.10	1,089.45	25.65	43.469		
3,600.00	3,554.04	3,505.58	3,505.13	10.79	15.60	3.849	1,419.99	-200.62	1,088.04	1,061.63	26.41	41.196		
3,700.00	3,649.57	3,602.03	3,601.55	11.20	15.95	3.903	1,422.30	-201.87	1,060.96	1,033.78	27.18	39.038		
3,800.00	3,745.10	3,700.43	3,699.92	11.63	16.30	3.965	1,424.55	-203.05	1,033.77	1,005.82	27.96	36.979		
3,900.00	3,840.62	3,798.72	3,798.17	12.06	16.65	4.036	1,426.61	-204.14	1,006.39	977.65	28.74	35.018		
4,000.00	3,936.15	3,895.51	3,894.95	12.50	17.00	4.110	1,428.51	-205.17	978.87	949.35	29.52	33.155		
4,100.00	4,031.68	3,992.26	3,991.67	12.94	17.35	4.186	1,430.34	-206.23	951.30	920.98	30.31	31.382		
4,200.00	4,127.21	4,086.98	4,086.37	13.38	17.69	4.264	1,432.15	-207.30	923.75	892.65	31.10	29.698		
4,300.00	4,222.73	4,181.62	4,180.98	13.84	18.02	4.347	1,434.13	-208.37	896.37	864.47	31.90	28.099		
4,400.00	4,318.26	4,277.35	4,276.68	14.29	18.37	4.437	1,436.25	-209.45	869.11	836.41	32.70	26.577		
4,500.00	4,413.79	4,373.35	4,372.65	14.75	18.71	4.533	1,438.40	-210.54	841.88	808.37	33.51	25.126		
4,600.00	4,509.32	4,470.15	4,469.42	15.21	19.06	4.637	1,440.55	-211.63	814.64	780.32	34.32	23.740		
4,700.00	4,604.84	4,567.20	4,566.44	15.68	19.40	4.752	1,442.62	-212.68	787.30	752.17	35.13	22.414		
4,800.00	4,700.37	4,663.36	4,662.58	16.15	19.74	4.877	1,444.61	-213.66	759.89	723.96	35.94	21.144		
4,900.00	4,795.90	4,759.12	4,758.31	16.62	20.09	5.011	1,446.63	-214.64	732.54	695.78	36.75	19.931		
5,000.00	4,891.42	4,854.82	4,853.99	17.09	20.43	5.155	1,448.70	-215.63	705.24	667.67	37.57	18.771		
5,100.00	4,986.95	4,950.51	4,949.64	17.57	20.77	5.309	1,450.84	-216.65	678.02	639.63	38.39	17.662		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error:	0.00 usft
Survey Program: 0-GYRO-NS													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,200.00	5,082.48	5,047.23	5,046.33	18.05	21.32	5.472	1,453.04	-217.74	650.84	611.43	39.41	16.513		
5,300.00	5,178.01	5,144.92	5,143.99	18.53	22.09	5.639	1,455.05	-218.95	623.48	582.82	40.66	15.335		
5,400.00	5,273.53	5,242.48	5,241.53	19.01	22.86	5.808	1,456.82	-220.27	595.89	553.99	41.90	14.221		
5,500.00	5,369.06	5,339.91	5,338.94	19.49	23.63	5.978	1,458.34	-221.71	568.08	524.93	43.14	13.167		
5,600.00	5,464.59	5,436.50	5,435.51	19.98	24.23	6.151	1,459.63	-223.24	540.06	495.85	44.22	12.214		
5,700.00	5,560.11	5,531.94	5,530.92	20.46	24.54	6.349	1,460.94	-224.69	512.09	467.07	45.02	11.375		
5,800.00	5,655.64	5,627.28	5,626.25	20.95	24.86	6.580	1,462.37	-226.05	484.24	438.41	45.82	10.568		
5,900.00	5,751.17	5,722.37	5,721.31	21.44	25.17	6.816	1,463.96	-227.60	456.56	409.93	46.63	9.791		
6,000.00	5,846.70	5,817.97	5,816.88	21.93	25.49	7.045	1,465.73	-229.44	429.09	381.66	47.44	9.046		
6,100.00	5,942.22	5,915.28	5,914.16	22.42	25.82	7.324	1,467.41	-231.23	401.51	353.28	48.23	8.325		
6,200.00	6,037.75	6,012.33	6,011.19	22.91	26.14	7.685	1,468.83	-232.72	373.66	324.64	49.02	7.623		
6,300.00	6,133.28	6,108.74	6,107.57	23.40	26.46	8.114	1,470.06	-234.13	345.65	295.83	49.81	6.939		
6,400.00	6,228.81	6,205.00	6,203.82	23.90	26.78	8.607	1,471.17	-235.58	317.54	266.93	50.60	6.275		
6,500.00	6,324.33	6,300.11	6,299.90	24.39	27.10	9.143	1,472.36	-237.25	289.55	238.14	51.41	5.632		
6,600.00	6,419.86	6,395.39	6,394.15	24.89	27.42	9.708	1,473.80	-239.30	261.86	209.65	52.21	5.015		
6,700.00	6,515.60	6,491.83	6,490.55	25.37	27.74	10.281	1,475.37	-241.51	235.02	182.04	52.98	4.436		
6,800.00	6,612.24	6,589.10	6,587.79	25.87	28.07	10.864	1,476.88	-243.57	211.26	157.49	53.77	3.929		
6,900.00	6,709.71	6,687.08	6,685.74	26.36	28.39	11.452	1,478.34	-245.50	190.80	136.26	54.54	3.498		
7,000.00	6,807.91	6,785.69	6,784.32	26.83	28.73	11.997	1,479.74	-247.35	173.67	118.37	55.30	3.140		
7,100.00	6,906.70	6,884.71	6,883.32	27.29	29.06	12.466	1,481.11	-249.04	159.89	103.85	56.05	2.853		
7,200.00	7,005.97	6,984.13	6,982.72	27.72	29.39	12.840	1,482.50	-250.48	149.53	92.75	56.77	2.634		
7,300.00	7,105.61	7,083.90	7,082.47	28.11	29.73	13.024	1,483.89	-251.79	142.56	85.08	57.48	2.480		
7,400.00	7,205.47	7,183.86	7,182.41	28.47	30.07	12.888	1,485.27	-253.17	138.97	80.80	58.17	2.389		
7,459.79	7,265.25	7,243.69	7,242.23	28.56	30.27	12.637	1,486.08	-254.05	138.40	79.93	58.48	2.367 CC, ES		
7,500.00	7,305.46	7,283.92	7,282.45	28.62	30.40	1.527	1,486.62	-254.70	138.75	80.06	58.69	2.364		
7,600.00	7,405.46	7,383.97	7,382.48	28.70	30.74	0.765	1,487.92	-256.52	140.01	80.86	59.15	2.367		
7,700.00	7,505.46	7,484.03	7,482.50	28.74	31.08	-0.071	1,489.17	-258.57	141.25	81.66	59.58	2.371		
7,800.00	7,605.46	7,584.08	7,582.53	28.78	31.42	-0.916	1,490.35	-260.67	142.45	82.44	60.01	2.374		
7,900.00	7,705.46	7,684.09	7,682.51	28.82	31.76	-1.736	1,491.49	-262.74	143.64	83.21	60.43	2.377		
8,000.00	7,805.46	7,784.10	7,782.50	28.87	32.10	-2.472	1,492.62	-264.64	144.83	83.98	60.85	2.380		
8,100.00	7,905.46	7,884.26	7,882.64	28.91	32.44	-3.145	1,493.68	-266.40	145.98	84.72	61.25	2.383		
8,200.00	8,005.46	7,984.46	7,982.81	28.95	32.78	-3.790	1,494.61	-268.11	147.00	85.35	61.65	2.384		
8,300.00	8,105.46	8,084.73	8,083.07	29.00	33.12	-4.416	1,495.37	-269.78	147.88	85.83	62.05	2.383		
8,400.00	8,205.46	8,185.02	8,183.34	29.04	33.46	-5.031	1,495.92	-271.42	148.57	86.13	62.44	2.379		
8,500.00	8,305.46	8,285.20	8,283.51	29.08	33.80	-5.669	1,496.30	-273.12	149.10	86.27	62.84	2.373		
8,600.00	8,405.46	8,385.35	8,383.64	29.12	34.14	-6.386	1,496.54	-275.03	149.54	86.31	63.23	2.365		
8,700.00	8,505.46	8,485.93	8,484.20	29.17	34.48	-7.214	1,496.50	-277.20	149.76	86.15	63.61	2.354		
8,800.00	8,605.46	8,586.56	8,584.79	29.21	34.82	-8.196	1,495.98	-279.72	149.58	85.60	63.98	2.338		
8,900.00	8,705.46	8,686.66	8,684.85	29.26	35.16	-9.278	1,495.13	-282.44	149.16	84.78	64.38	2.317		
9,000.00	8,805.45	8,786.67	8,784.82	29.29	35.50	-96.322	1,494.24	-285.18	148.78	84.02	64.75	2.298		
9,002.20	8,807.65	8,788.86	8,787.01	29.29	35.51	-96.375	1,494.22	-285.24	148.78	84.02	64.76	2.297 SF		
9,100.00	8,904.61	8,885.60	8,883.71	29.27	35.84	-101.730	1,493.26	-287.99	150.36	85.40	64.95	2.315		
9,200.00	9,000.20	8,980.34	8,978.40	29.26	36.17	-111.747	1,492.15	-290.90	159.23	94.82	64.40	2.472		
9,300.00	9,089.32	9,068.15	9,066.16	29.27	36.46	-122.698	1,491.04	-293.66	182.85	120.19	62.66	2.918		
9,400.00	9,169.25	9,146.63	9,144.60	29.32	36.73	-131.255	1,490.08	-295.91	225.58	165.15	60.43	3.733		
9,500.00	9,237.56	9,213.43	9,211.37	29.44	36.96	-136.052	1,489.29	-297.65	286.59	227.95	58.65	4.887		
9,600.00	9,292.19	9,266.33	9,264.25	29.66	37.14	-136.540	1,488.58	-298.97	362.38	304.85	57.53	6.299		
9,700.00	9,331.47	9,303.62	9,301.53	30.00	37.27	-131.063	1,488.02	-299.87	448.96	392.05	56.92	7.888		
9,800.00	9,354.20	9,324.12	9,322.02	30.47	37.34	-114.003	1,487.69	-300.36	542.49	485.90	56.59	9.586		
9,900.00	9,360.00	9,327.47	9,325.37	31.06	37.35	-84.469	1,487.63	-300.44	639.37	582.97	56.40	11.336		
10,000.00	9,360.00	9,324.98	9,322.88	31.80	37.34	-82.123	1,487.68	-300.39	737.60	681.30	56.30	13.101		
10,100.00	9,360.00	9,322.54	9,320.44	32.64	37.33	-78.841	1,487.72	-300.33	836.71	780.46	56.25	14.874		

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error: 0.00 usft
Survey Program: 0-GYRO-NS													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.00	9,360.00	9,320.12	9,318.01	33.59	37.32	-77.415	1,487.76	-300.27	936.14	879.91	56.22	16.650	
10,300.00	9,360.00	9,317.69	9,315.58	34.63	37.32	-76.002	1,487.80	-300.21	1,035.67	979.46	56.21	18.425	
10,400.00	9,360.00	9,315.25	9,313.15	35.76	37.31	-74.604	1,487.84	-300.15	1,135.27	1,079.07	56.20	20.200	
10,500.00	9,360.00	9,312.80	9,310.70	36.98	37.30	-73.221	1,487.88	-300.09	1,234.94	1,178.74	56.20	21.974	
10,600.00	9,360.00	9,310.35	9,308.25	38.27	37.29	-71.857	1,487.91	-300.04	1,334.65	1,278.44	56.20	23.746	
10,700.00	9,360.00	9,307.90	9,305.80	39.62	37.28	-70.511	1,487.95	-299.98	1,434.39	1,378.18	56.21	25.517	
10,800.00	9,360.00	9,305.43	9,303.34	41.03	37.27	-69.185	1,487.99	-299.92	1,534.17	1,477.94	56.23	27.286	
10,900.00	9,360.00	9,302.96	9,300.87	42.50	37.27	-67.879	1,488.03	-299.86	1,633.97	1,577.73	56.24	29.053	
11,000.00	9,360.00	9,300.49	9,298.39	44.01	37.26	-66.595	1,488.07	-299.80	1,733.79	1,677.53	56.26	30.818	
11,100.00	9,360.00	9,298.01	9,295.91	45.57	37.25	-65.334	1,488.11	-299.74	1,833.62	1,777.34	56.28	32.580	
11,200.00	9,360.00	9,295.52	9,293.43	47.17	37.24	-64.095	1,488.15	-299.68	1,933.47	1,877.17	56.30	34.340	
11,300.00	9,360.00	9,293.03	9,290.93	48.80	37.23	-62.879	1,488.19	-299.62	2,033.34	1,977.01	56.33	36.097	



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W05) GULF FEDERAL 002 - 26310 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 200-INC-ONLY												Offset Well Error:	0.00 usft
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
15,900.00	9,360.00	9,336.38	9,329.81	137.31	270.97	89.451	-247.23	7,480.95	2,020.48	1,634.87	385.61	5.240	
16,000.00	9,360.00	9,336.38	9,329.81	139.33	270.97	89.451	-247.23	7,480.95	1,965.55	1,575.22	390.33	5.036	
16,100.00	9,360.00	9,336.38	9,329.81	141.35	270.97	89.451	-247.23	7,480.95	1,914.27	1,519.18	395.09	4.845	
16,200.00	9,360.00	9,336.37	9,329.81	143.38	270.97	89.451	-247.23	7,480.95	1,866.94	1,467.09	399.85	4.669	
16,300.00	9,360.00	9,336.37	9,329.80	145.41	270.97	89.451	-247.23	7,480.95	1,823.87	1,419.30	404.56	4.508	
16,400.00	9,360.00	9,336.37	9,329.80	147.43	270.97	89.451	-247.23	7,480.95	1,785.36	1,376.20	409.16	4.363	
16,500.00	9,360.00	9,336.37	9,329.80	149.46	270.97	89.450	-247.23	7,480.95	1,751.73	1,338.15	413.58	4.236	
16,600.00	9,360.00	9,336.37	9,329.80	151.49	270.97	89.450	-247.23	7,480.95	1,723.25	1,305.51	417.74	4.125	
16,700.00	9,360.00	9,336.37	9,329.80	153.52	270.97	89.450	-247.23	7,480.95	1,700.18	1,278.60	421.58	4.033	
16,800.00	9,360.00	9,336.37	9,329.80	155.56	270.97	89.450	-247.23	7,480.95	1,682.75	1,257.74	425.01	3.959	
16,900.00	9,360.00	9,336.37	9,329.80	157.59	270.97	89.450	-247.23	7,480.95	1,671.13	1,243.15	427.99	3.905	
17,000.00	9,360.00	9,336.37	9,329.80	159.62	270.97	89.450	-247.23	7,480.95	1,665.45	1,235.00	430.45	3.869	
17,044.83	9,360.00	9,336.37	9,329.80	160.53	270.97	89.450	-247.23	7,480.95	1,664.85	1,233.48	431.37	3.859 CC	
17,100.00	9,360.00	9,336.36	9,329.80	161.66	270.97	89.450	-247.23	7,480.95	1,665.76	1,233.41	432.35	3.853 ES, SF	
17,200.00	9,360.00	9,336.36	9,329.80	163.69	270.97	89.450	-247.23	7,480.95	1,672.06	1,238.38	433.68	3.855	
17,300.00	9,360.00	9,336.36	9,329.79	165.73	270.97	89.450	-247.23	7,480.95	1,684.29	1,249.85	434.44	3.877	
17,400.00	9,360.00	9,336.36	9,329.79	167.77	270.97	89.450	-247.23	7,480.95	1,702.31	1,267.67	434.64	3.917	
17,500.00	9,360.00	9,336.36	9,329.79	169.80	270.97	89.450	-247.23	7,480.95	1,725.95	1,291.63	434.31	3.974	
17,600.00	9,360.00	9,336.36	9,329.79	171.84	270.97	89.450	-247.23	7,480.95	1,754.97	1,321.46	433.51	4.048	
17,700.00	9,360.00	9,336.36	9,329.79	173.88	270.97	89.450	-247.23	7,480.95	1,789.12	1,356.85	432.28	4.139	
17,800.00	9,360.00	9,336.36	9,329.79	175.92	270.97	89.450	-247.23	7,480.95	1,828.11	1,397.43	430.68	4.245	
17,900.00	9,360.00	9,336.36	9,329.79	177.96	270.97	89.450	-247.23	7,480.95	1,871.64	1,442.86	428.77	4.365	
18,000.00	9,360.00	9,336.36	9,329.79	180.01	270.97	89.450	-247.23	7,480.95	1,919.39	1,492.77	426.62	4.499	
18,100.00	9,360.00	9,336.35	9,329.79	182.05	270.97	89.450	-247.23	7,480.95	1,971.06	1,546.78	424.28	4.646	
18,200.00	9,360.00	9,336.35	9,329.79	184.09	270.97	89.450	-247.23	7,480.95	2,026.36	1,604.56	421.80	4.804	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 239-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-63.072	732.35	-1,441.79	1,617.20				
100.00	100.00	84.77	84.77	0.79	1.73	-63.072	732.35	-1,441.79	1,617.13	1,614.61	2.52	642.814	
200.00	200.00	184.77	184.77	1.45	3.77	-63.072	732.35	-1,441.79	1,617.13	1,611.91	5.22	309.971	
300.00	300.00	284.77	284.77	1.89	5.78	-63.072	732.35	-1,441.79	1,617.13	1,609.46	7.67	210.895	
400.00	400.00	384.77	384.77	2.25	7.74	-63.072	732.35	-1,441.79	1,617.13	1,607.13	9.99	161.826	
500.00	500.00	484.77	484.77	2.57	9.70	-63.072	732.35	-1,441.79	1,617.13	1,604.86	12.27	131.794	
600.00	600.00	584.77	584.77	2.85	11.50	-63.072	732.35	-1,441.79	1,617.13	1,602.78	14.35	112.679	
700.00	700.00	685.54	685.54	3.11	13.24	-63.069	732.44	-1,441.79	1,617.17	1,600.82	16.35	98.896	
800.00	800.00	784.77	784.77	3.35	15.25	-63.072	732.35	-1,441.79	1,617.13	1,598.53	18.60	86.955	
900.00	900.00	884.77	884.77	3.58	17.70	-63.072	732.35	-1,441.79	1,617.13	1,595.85	21.28	75.997	
1,000.00	1,000.00	984.79	984.79	3.79	20.16	-63.064	732.60	-1,441.79	1,617.24	1,593.29	23.95	67.528	
1,100.00	1,100.00	1,085.47	1,085.47	3.99	22.63	-63.066	732.55	-1,441.79	1,617.22	1,590.60	26.63	60.738	
1,200.00	1,200.00	1,186.15	1,186.15	4.19	25.10	-63.070	732.41	-1,441.79	1,617.16	1,587.86	29.29	55.203	
1,300.00	1,300.00	1,284.78	1,284.77	4.38	27.57	-63.072	732.35	-1,441.79	1,617.13	1,585.18	31.95	50.619	
1,400.00	1,400.00	1,384.78	1,384.77	4.56	30.09	-63.072	732.35	-1,441.79	1,617.13	1,582.48	34.65	46.673	
1,500.00	1,500.00	1,484.78	1,484.77	4.74	32.60	-63.072	732.35	-1,441.79	1,617.13	1,579.78	37.34	43.303	
1,600.00	1,600.00	1,585.22	1,585.21	4.91	35.13	-63.063	732.63	-1,441.79	1,617.26	1,577.21	40.05	40.385	
1,700.00	1,700.00	1,685.78	1,685.77	5.08	37.67	-63.066	732.54	-1,441.79	1,617.21	1,574.47	42.75	37.833	
1,800.00	1,800.00	1,786.34	1,786.33	5.24	40.20	-63.072	732.36	-1,441.79	1,617.13	1,571.69	45.44	35.586	
1,839.19	1,839.19	1,824.00	1,823.96	5.31	41.07	-63.072	732.35	-1,441.79	1,617.13	1,570.75	46.38	34.869	
1,900.00	1,900.00	1,884.82	1,884.77	5.40	42.45	-63.072	732.35	-1,441.79	1,617.13	1,569.27	47.86	33.792	
2,000.00	2,000.00	1,984.82	1,984.77	5.56	44.73	-63.072	732.35	-1,441.79	1,617.13	1,566.84	50.28	32.160	
2,100.00	2,099.98	2,085.79	2,085.74	5.80	47.02	-52.253	733.42	-1,441.79	1,616.55	1,563.78	52.76	30.637	
2,200.00	2,199.84	2,188.23	2,188.16	6.05	49.35	-52.467	733.11	-1,441.79	1,613.21	1,557.93	55.28	29.185	
2,300.00	2,299.45	2,290.35	2,290.28	6.31	51.67	-52.830	732.43	-1,441.79	1,607.61	1,549.82	57.78	27.821	
2,400.00	2,398.70	2,383.67	2,383.47	6.59	53.70	-53.278	732.35	-1,441.79	1,600.20	1,540.19	60.00	26.668	
2,500.00	2,497.47	2,483.09	2,482.87	6.89	55.85	-53.839	733.66	-1,441.79	1,591.40	1,529.05	62.35	25.523	
2,600.00	2,595.62	2,587.50	2,587.27	7.21	58.11	-54.634	733.08	-1,441.79	1,579.88	1,515.07	64.81	24.378	
2,700.00	2,693.06	2,678.16	2,677.83	7.54	60.04	-55.492	732.35	-1,441.79	1,566.44	1,499.50	66.94	23.399	
2,800.00	2,789.64	2,774.79	2,774.41	7.90	62.04	-56.511	732.35	-1,441.79	1,551.62	1,482.46	69.16	22.435	
2,900.00	2,885.35	2,870.50	2,870.12	8.18	64.08	-57.550	732.35	-1,441.79	1,535.38	1,464.04	71.34	21.523	
3,000.00	2,980.88	2,969.02	2,968.63	8.51	66.18	-58.462	733.13	-1,441.79	1,519.49	1,445.86	73.63	20.636	
3,100.00	3,076.41	3,061.64	3,061.18	8.85	68.14	-59.390	732.35	-1,441.79	1,503.42	1,427.62	75.79	19.836	
3,200.00	3,171.93	3,157.16	3,156.70	9.22	70.02	-60.337	732.35	-1,441.79	1,488.06	1,410.17	77.88	19.107	
3,300.00	3,267.46	3,254.76	3,254.28	9.59	71.94	-61.299	733.01	-1,441.79	1,473.35	1,393.34	80.01	18.414	
3,400.00	3,362.99	3,348.26	3,347.76	9.98	73.76	-62.286	732.35	-1,441.79	1,458.65	1,376.61	82.04	17.779	
3,500.00	3,458.52	3,443.79	3,443.29	10.38	75.34	-63.287	732.35	-1,441.79	1,444.64	1,360.80	83.83	17.233	
3,600.00	3,554.04	3,540.30	3,539.79	10.79	76.93	-64.302	732.75	-1,441.79	1,431.20	1,345.57	85.63	16.713	
3,700.00	3,649.57	3,634.85	3,634.34	11.20	78.52	-65.344	732.35	-1,441.79	1,418.04	1,330.60	87.43	16.219	
3,800.00	3,745.10	3,730.38	3,729.87	11.63	80.63	-66.398	732.35	-1,441.79	1,405.48	1,315.73	89.75	15.661	
3,900.00	3,840.62	3,825.91	3,825.39	12.06	82.73	-67.470	732.35	-1,441.79	1,393.44	1,301.38	92.06	15.137	
4,000.00	3,936.15	3,921.43	3,920.92	12.50	84.84	-68.559	732.35	-1,441.79	1,381.93	1,287.56	94.36	14.645	
4,100.00	4,031.68	4,016.96	4,016.45	12.94	86.94	-69.665	732.35	-1,441.79	1,370.95	1,274.29	96.67	14.182	
4,200.00	4,127.21	4,112.49	4,111.98	13.38	89.05	-70.786	732.35	-1,441.79	1,360.54	1,261.57	98.97	13.747	
4,300.00	4,222.73	4,208.03	4,207.50	13.84	91.14	-71.923	732.35	-1,441.79	1,350.69	1,249.43	101.26	13.339	
4,400.00	4,318.26	4,303.56	4,303.03	14.29	93.07	-73.075	732.35	-1,441.79	1,341.42	1,238.03	103.38	12.975	
4,500.00	4,413.79	4,399.09	4,398.56	14.75	95.00	-74.241	732.35	-1,441.79	1,332.74	1,227.23	105.51	12.632	
4,600.00	4,509.32	4,494.63	4,494.09	15.21	96.93	-75.382	733.28	-1,441.79	1,324.74	1,217.11	107.63	12.309	
4,700.00	4,604.84	4,590.32	4,589.78	15.68	98.86	-76.581	733.16	-1,441.79	1,317.25	1,207.50	109.75	12.002	
4,800.00	4,700.37	4,685.89	4,685.35	16.15	100.79	-77.799	732.84	-1,441.79	1,310.39	1,198.52	111.87	11.714	
4,900.00	4,795.90	4,781.22	4,780.67	16.62	102.70	-79.032	732.35	-1,441.79	1,304.17	1,190.20	113.97	11.443	
5,000.00	4,891.42	4,876.75	4,876.19	17.09	104.36	-80.258	732.35	-1,441.79	1,298.61	1,182.79	115.82	11.212	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 239-INC-ONLY													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,986.95	4,972.27	4,971.72	17.57	106.02	-81.492	732.35	-1,441.79	1,293.71	1,176.03	117.68	10.994	
5,200.00	5,082.48	5,067.77	5,067.21	18.05	107.68	-82.724	732.59	-1,441.79	1,289.45	1,169.92	119.53	10.787	
5,300.00	5,178.01	5,163.19	5,162.64	18.53	109.33	-83.976	732.50	-1,441.79	1,285.87	1,164.48	121.40	10.592	
5,400.00	5,273.53	5,258.86	5,258.30	19.01	111.01	-85.239	732.35	-1,441.79	1,282.98	1,159.70	123.29	10.407	
5,500.00	5,369.06	5,354.39	5,353.83	19.49	112.89	-86.499	732.35	-1,441.79	1,280.75	1,155.36	125.39	10.214	
5,600.00	5,464.59	5,449.91	5,449.36	19.98	114.78	-87.762	732.35	-1,441.79	1,279.20	1,151.70	127.51	10.032	
5,700.00	5,560.11	5,545.43	5,544.87	20.46	116.67	-89.014	732.66	-1,441.79	1,278.28	1,148.65	129.63	9.861	
5,776.15	5,632.86	5,618.04	5,617.49	20.83	118.10	-89.978	732.63	-1,441.79	1,278.08	1,146.82	131.26	9.737 CC	
5,800.00	5,655.64	5,640.78	5,640.22	20.95	118.55	-90.280	732.62	-1,441.79	1,278.10	1,146.33	131.77	9.700	
5,900.00	5,751.17	5,736.08	5,735.52	21.44	120.43	-91.548	732.51	-1,441.79	1,278.62	1,144.71	133.91	9.548	
6,000.00	5,846.70	5,832.05	5,831.47	21.93	122.33	-92.824	732.35	-1,441.79	1,279.84	1,143.75	136.09	9.405	
6,100.00	5,942.22	5,927.57	5,926.99	22.42	124.30	-94.086	732.35	-1,441.79	1,281.70	1,143.36	138.35	9.264	
6,200.00	6,037.75	6,023.10	6,022.52	22.91	126.28	-95.344	732.35	-1,441.79	1,284.25	1,143.62	140.62	9.133	
6,300.00	6,133.28	6,118.51	6,117.92	23.40	128.24	-96.558	733.26	-1,441.79	1,287.19	1,144.28	142.91	9.007	
6,400.00	6,228.81	6,213.11	6,212.52	23.90	130.20	-97.798	733.13	-1,441.79	1,291.10	1,145.90	145.19	8.892	
6,500.00	6,324.33	6,307.59	6,307.00	24.39	132.15	-99.037	732.79	-1,441.79	1,295.75	1,148.26	147.49	8.785	
6,600.00	6,419.86	6,405.26	6,404.63	24.89	134.16	-100.312	732.35	-1,441.79	1,301.11	1,151.24	149.87	8.682	
6,700.00	6,515.60	6,501.00	6,500.37	25.37	136.10	-101.580	732.35	-1,441.79	1,306.82	1,154.65	152.16	8.588	
6,800.00	6,612.24	6,597.64	6,597.01	25.87	138.06	-102.753	732.35	-1,441.79	1,312.41	1,157.93	154.48	8.496	
6,900.00	6,709.71	6,694.65	6,694.02	26.36	140.03	-103.741	733.22	-1,441.79	1,317.29	1,160.51	156.78	8.402	
7,000.00	6,807.91	6,791.51	6,790.88	26.83	142.00	-104.612	733.03	-1,441.79	1,322.08	1,163.03	159.05	8.312	
7,100.00	6,906.70	6,888.90	6,888.26	27.29	143.97	-105.340	732.61	-1,441.79	1,326.31	1,165.01	161.30	8.223	
7,200.00	7,005.97	6,991.42	6,990.74	27.72	146.09	-105.926	732.35	-1,441.79	1,329.68	1,166.02	163.67	8.124	
7,300.00	7,105.61	7,091.05	7,090.38	28.11	148.18	-106.323	732.35	-1,441.79	1,332.06	1,166.11	165.95	8.027	
7,400.00	7,205.47	7,190.73	7,190.05	28.47	150.27	-106.527	733.15	-1,441.79	1,333.12	1,164.92	168.19	7.926	
7,500.00	7,305.46	7,289.11	7,288.43	28.62	152.33	-117.458	732.99	-1,441.79	1,333.64	1,163.29	170.35	7.829	
7,600.00	7,405.46	7,387.51	7,386.83	28.70	154.39	-117.474	732.57	-1,441.79	1,333.83	1,161.31	172.53	7.731	
7,700.00	7,505.46	7,490.98	7,490.23	28.74	156.66	-117.483	732.35	-1,441.79	1,333.93	1,159.07	174.87	7.628	
7,800.00	7,605.46	7,590.98	7,590.23	28.78	158.90	-117.483	732.35	-1,441.79	1,333.93	1,156.76	177.17	7.529	
7,888.85	7,694.31	7,679.82	7,679.06	28.82	160.89	-117.430	733.73	-1,441.79	1,333.29	1,154.08	179.21	7.440	
7,900.00	7,705.46	7,690.68	7,689.92	28.82	161.14	-117.430	733.73	-1,441.79	1,333.30	1,153.84	179.46	7.429	
8,000.00	7,805.46	7,788.14	7,787.37	28.87	163.33	-117.439	733.48	-1,441.79	1,333.41	1,151.71	181.70	7.338	
8,100.00	7,905.46	7,885.61	7,884.83	28.91	165.51	-117.464	732.82	-1,441.79	1,333.73	1,149.78	183.95	7.250	
8,200.00	8,005.46	7,991.10	7,990.23	28.95	167.99	-117.483	732.35	-1,441.79	1,333.93	1,147.43	186.50	7.152	
8,300.00	8,105.46	8,091.10	8,090.23	29.00	170.43	-117.483	732.35	-1,441.79	1,333.93	1,144.93	189.00	7.058	
8,383.48	8,188.94	8,174.56	8,173.67	29.03	172.46	-117.433	733.65	-1,441.79	1,333.33	1,142.25	191.08	6.978	
8,400.00	8,205.46	8,190.63	8,189.75	29.04	172.86	-117.433	733.65	-1,441.79	1,333.33	1,141.85	191.48	6.963	
8,500.00	8,305.46	8,287.94	8,287.05	29.08	175.23	-117.444	733.36	-1,441.79	1,333.47	1,139.56	193.91	6.877	
8,600.00	8,405.46	8,385.27	8,384.36	29.12	177.60	-117.471	732.64	-1,441.79	1,333.81	1,137.47	196.35	6.793	
8,700.00	8,505.46	8,491.30	8,490.23	29.17	180.34	-117.483	732.35	-1,441.79	1,333.93	1,134.77	199.16	6.698	
8,800.00	8,605.46	8,591.30	8,590.23	29.21	182.97	-117.483	732.35	-1,441.79	1,333.93	1,132.08	201.86	6.608	
8,838.43	8,643.89	8,628.88	8,627.77	29.23	183.96	-117.417	734.07	-1,441.79	1,333.14	1,130.28	202.86	6.572	
8,900.00	8,705.46	8,687.33	8,686.22	29.26	185.50	-117.426	733.84	-1,441.79	1,333.25	1,128.82	204.44	6.522	
8,900.05	8,705.51	8,687.38	8,686.27	29.26	185.50	-117.426	733.84	-1,441.79	1,333.25	1,128.82	204.44	6.522	
9,000.00	8,805.45	8,782.31	8,781.17	29.29	188.01	156.695	732.82	-1,441.79	1,334.02	1,127.05	206.97	6.446 ES	
9,100.00	8,904.61	8,890.70	8,889.38	29.27	190.72	156.445	732.35	-1,441.79	1,345.14	1,135.21	209.93	6.408 SF	
9,200.00	9,000.20	8,986.29	8,984.97	29.26	193.07	155.812	732.35	-1,441.79	1,371.80	1,159.31	212.49	6.456	
9,300.00	9,089.32	9,075.40	9,074.09	29.27	195.26	154.643	732.35	-1,441.79	1,413.53	1,198.67	214.86	6.579	
9,400.00	9,169.25	9,152.52	9,151.16	29.32	197.16	152.721	734.54	-1,441.79	1,468.32	1,251.44	216.88	6.770	
9,500.00	9,237.56	9,218.19	9,216.82	29.44	198.77	149.345	734.10	-1,441.79	1,536.75	1,318.15	218.60	7.030	
9,600.00	9,292.19	9,270.66	9,269.27	29.66	200.06	143.588	733.55	-1,441.79	1,615.79	1,395.84	219.95	7.346	
9,700.00	9,331.47	9,308.34	9,306.93	30.00	200.99	133.244	733.04	-1,441.79	1,703.06	1,482.16	220.90	7.710	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 239-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,800.00	9,354.20	9,330.08	9,328.67	30.47	201.52	113.868	732.71	-1,441.79	1,795.91	1,574.50	221.41	8.111	
9,900.00	9,360.00	9,335.54	9,334.13	31.06	201.66	88.869	732.62	-1,441.79	1,891.48	1,669.99	221.48	8.540	
10,000.00	9,360.00	9,335.47	9,334.05	31.80	201.65	88.983	732.62	-1,441.79	1,987.04	1,765.62	221.42	8.974	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 252-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	-98.353	-258.89	-1,763.12	1,782.07					
100.00	100.00	87.77	87.77	0.79	1.85	-98.353	-258.89	-1,763.12	1,782.02	1,779.38	2.64	674.910		
200.00	200.00	187.77	187.77	1.45	3.97	-98.353	-258.89	-1,763.12	1,782.02	1,776.61	5.41	329.150		
300.00	300.00	287.77	287.77	1.89	6.03	-98.353	-258.89	-1,763.12	1,782.02	1,774.10	7.93	224.850		
392.10	392.10	379.86	379.85	2.23	7.89	-98.349	-258.76	-1,763.12	1,782.00	1,771.89	10.11	176.175		
400.00	400.00	387.72	387.72	2.25	8.05	-98.349	-258.76	-1,763.12	1,782.00	1,771.70	10.30	172.975		
500.00	500.00	487.26	487.26	2.57	10.05	-98.353	-258.87	-1,763.12	1,782.02	1,769.40	12.62	141.176		
589.31	589.31	577.07	577.03	2.82	11.90	-98.337	-258.39	-1,763.12	1,781.95	1,767.23	14.72	121.026		
600.00	600.00	587.31	587.27	2.85	12.12	-98.338	-258.40	-1,763.12	1,781.95	1,766.99	14.97	119.071		
700.00	700.00	686.50	686.43	3.11	14.13	-98.352	-258.83	-1,763.12	1,782.02	1,764.78	17.24	103.375		
766.27	766.27	753.97	753.89	3.27	15.65	-98.346	-258.65	-1,763.12	1,781.99	1,763.07	18.92	94.193		
800.00	800.00	786.39	786.31	3.35	16.40	-98.349	-258.75	-1,763.12	1,782.00	1,762.26	19.74	90.256		
900.00	900.00	887.89	887.77	3.58	19.02	-98.353	-258.89	-1,763.12	1,782.02	1,759.43	22.59	78.883		
1,000.00	1,000.00	987.98	987.77	3.79	21.62	-98.353	-258.89	-1,763.12	1,782.02	1,756.62	25.41	70.136		
1,100.00	1,100.00	1,088.01	1,087.77	3.99	23.95	-98.353	-258.89	-1,763.12	1,782.02	1,754.08	27.94	63.779		
1,200.00	1,200.00	1,188.01	1,187.77	4.19	26.05	-98.353	-258.89	-1,763.12	1,782.02	1,751.79	30.24	58.937		
1,235.48	1,235.48	1,223.49	1,223.25	4.26	26.79	-98.335	-258.33	-1,763.12	1,781.94	1,750.89	31.05	57.392		
1,300.00	1,300.00	1,286.92	1,286.67	4.38	28.12	-98.340	-258.46	-1,763.12	1,781.96	1,749.46	32.50	54.824		
1,400.00	1,400.00	1,388.04	1,387.77	4.56	30.17	-98.353	-258.89	-1,763.12	1,782.02	1,747.29	34.73	51.306		
1,478.55	1,478.55	1,466.53	1,466.26	4.70	31.65	-98.342	-258.53	-1,763.12	1,781.97	1,745.62	36.35	49.026		
1,500.00	1,500.00	1,487.66	1,487.39	4.74	32.04	-98.343	-258.55	-1,763.12	1,781.97	1,745.19	36.78	48.446		
1,600.00	1,600.00	1,588.05	1,587.77	4.91	33.95	-98.353	-258.89	-1,763.12	1,782.02	1,743.17	38.86	45.861		
1,700.00	1,700.00	1,688.05	1,687.77	5.08	35.92	-98.353	-258.89	-1,763.12	1,782.02	1,741.02	41.00	43.462		
1,741.45	1,741.45	1,729.51	1,729.22	5.15	36.74	-98.343	-258.55	-1,763.12	1,781.97	1,740.09	41.89	42.540		
1,800.00	1,800.00	1,787.64	1,787.35	5.24	37.89	-98.344	-258.60	-1,763.12	1,781.98	1,738.85	43.13	41.312		
1,900.00	1,900.00	1,888.07	1,887.77	5.40	39.88	-98.353	-258.89	-1,763.12	1,782.02	1,736.74	45.28	39.354		
2,000.00	2,000.00	1,988.07	1,987.77	5.56	41.96	-98.353	-258.89	-1,763.12	1,782.02	1,734.50	47.52	37.500		
2,100.00	2,099.98	2,087.33	2,087.02	5.80	44.03	-87.546	-258.51	-1,763.12	1,781.89	1,732.15	49.74	35.824		
2,200.00	2,199.84	2,187.94	2,187.61	6.05	46.17	-87.731	-258.89	-1,763.12	1,781.73	1,729.71	52.02	34.248		
2,300.00	2,299.45	2,287.56	2,287.22	6.31	48.44	-88.017	-258.89	-1,763.12	1,781.41	1,726.96	54.45	32.718		
2,400.00	2,398.70	2,386.81	2,386.47	6.59	50.71	-88.413	-258.89	-1,763.12	1,781.03	1,724.17	56.86	31.324		
2,500.00	2,497.47	2,484.77	2,484.42	6.89	52.95	-88.883	-257.94	-1,763.12	1,780.50	1,721.26	59.24	30.056		
2,600.00	2,595.62	2,581.78	2,581.43	7.21	55.17	-89.496	-258.37	-1,763.12	1,780.30	1,718.70	61.60	28.901		
2,624.11	2,619.18	2,605.05	2,604.69	7.29	55.70	-89.660	-258.52	-1,763.12	1,780.29	1,718.12	62.17	28.637 CC		
2,700.00	2,693.06	2,681.20	2,680.83	7.54	57.43	-90.232	-258.89	-1,763.12	1,780.35	1,716.34	64.01	27.814		
2,800.00	2,789.64	2,777.79	2,777.41	7.90	59.60	-91.030	-258.89	-1,763.12	1,780.64	1,714.31	66.33	26.844		
2,900.00	2,885.35	2,873.50	2,873.12	8.18	61.76	-91.914	-258.89	-1,763.12	1,781.42	1,712.83	68.59	25.973		
3,000.00	2,980.88	2,968.42	2,968.03	8.51	63.89	-92.802	-258.43	-1,763.12	1,782.59	1,711.70	70.89	25.145		
3,100.00	3,076.41	3,063.12	3,062.73	8.85	66.02	-93.707	-258.65	-1,763.12	1,784.40	1,711.20	73.20	24.377		
3,200.00	3,171.93	3,160.14	3,159.70	9.22	68.20	-94.632	-258.89	-1,763.12	1,786.72	1,711.16	75.57	23.645 ES		
3,300.00	3,267.46	3,255.67	3,255.23	9.59	70.33	-95.534	-258.89	-1,763.12	1,789.46	1,711.57	77.90	22.973		
3,400.00	3,362.99	3,351.20	3,350.76	9.98	72.46	-96.433	-258.89	-1,763.12	1,792.69	1,712.45	80.23	22.343		
3,500.00	3,458.52	3,445.03	3,444.58	10.38	74.56	-97.277	-257.63	-1,763.12	1,796.00	1,713.46	82.54	21.759		
3,600.00	3,554.04	3,538.07	3,537.61	10.79	76.64	-98.160	-258.10	-1,763.12	1,800.32	1,715.48	84.84	21.220		
3,700.00	3,649.57	3,637.84	3,637.34	11.20	78.85	-99.110	-258.89	-1,763.12	1,805.24	1,717.96	87.28	20.683		
3,800.00	3,745.10	3,733.37	3,732.87	11.63	80.83	-99.994	-258.89	-1,763.12	1,810.37	1,720.86	89.50	20.226		
3,900.00	3,840.62	3,828.89	3,828.39	12.06	82.82	-100.874	-258.89	-1,763.12	1,815.97	1,724.23	91.74	19.795		
4,000.00	3,936.15	3,923.63	3,923.12	12.50	84.79	-101.727	-258.41	-1,763.12	1,821.84	1,727.88	93.96	19.389		
4,100.00	4,031.68	4,017.83	4,017.33	12.94	86.75	-102.589	-258.60	-1,763.12	1,828.43	1,732.24	96.18	19.010		
4,200.00	4,127.21	4,115.52	4,114.98	13.38	88.79	-103.479	-258.89	-1,763.12	1,835.52	1,737.02	98.49	18.636		
4,300.00	4,222.73	4,211.05	4,210.50	13.84	90.81	-104.336	-258.89	-1,763.12	1,842.94	1,742.14	100.80	18.284		
4,400.00	4,318.26	4,306.57	4,306.03	14.29	92.83	-105.186	-258.89	-1,763.12	1,850.80	1,747.70	103.11	17.950		

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 252-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,500.00	4,413.79	4,399.83	4,399.28	14.75	94.80	-105.985	-257.98	-1,763.12	1,858.68	1,753.31	105.38	17.638	
4,600.00	4,509.32	4,492.19	4,491.63	15.21	96.75	-106.805	-258.39	-1,763.12	1,867.60	1,759.97	107.64	17.351	
4,700.00	4,604.84	4,590.15	4,589.56	15.68	98.75	-107.667	-258.84	-1,763.12	1,876.97	1,767.02	109.95	17.071	
4,800.00	4,700.37	4,688.74	4,688.14	16.15	100.66	-108.516	-258.89	-1,763.12	1,886.57	1,774.37	112.20	16.815	
4,900.00	4,795.90	4,784.27	4,783.67	16.62	102.53	-109.329	-258.89	-1,763.12	1,896.56	1,782.16	114.40	16.579	
5,000.00	4,891.42	4,878.39	4,877.79	17.09	104.37	-110.105	-258.17	-1,763.12	1,906.58	1,790.00	116.58	16.355	
5,100.00	4,986.95	4,971.16	4,970.55	17.57	106.18	-110.886	-258.43	-1,763.12	1,917.50	1,798.76	118.74	16.149	
5,200.00	5,082.48	5,070.88	5,070.25	18.05	108.14	-111.721	-258.89	-1,763.12	1,928.94	1,807.87	121.06	15.933	
5,300.00	5,178.01	5,166.40	5,165.78	18.53	110.11	-112.501	-258.89	-1,763.12	1,940.51	1,817.11	123.40	15.725	
5,400.00	5,273.53	5,261.93	5,261.30	19.01	112.08	-113.273	-258.89	-1,763.12	1,952.47	1,826.72	125.75	15.527	
5,500.00	5,369.06	5,356.49	5,355.86	19.49	114.03	-114.016	-258.37	-1,763.12	1,964.48	1,836.41	128.08	15.339	
5,600.00	5,464.59	5,450.07	5,449.44	19.98	115.96	-114.758	-258.52	-1,763.12	1,977.27	1,846.87	130.39	15.164	
5,700.00	5,560.11	5,543.55	5,542.92	20.46	117.89	-115.495	-258.83	-1,763.12	1,990.50	1,857.79	132.71	14.998	
5,800.00	5,655.64	5,644.08	5,643.41	20.95	120.09	-116.270	-258.89	-1,763.12	2,003.93	1,868.60	135.34	14.807	
5,900.00	5,751.17	5,739.61	5,738.94	21.44	122.21	-116.996	-258.89	-1,763.12	2,017.68	1,879.81	137.87	14.635	
6,000.00	5,846.70	5,832.65	5,831.97	21.93	124.28	-117.675	-257.96	-1,763.12	2,031.17	1,890.82	140.35	14.473	
6,100.00	5,942.22	5,923.47	5,922.78	22.42	126.30	-118.356	-258.29	-1,763.12	2,045.80	1,903.02	142.78	14.328	
6,200.00	6,037.75	6,026.28	6,025.52	22.91	128.57	-119.120	-258.89	-1,763.12	2,060.92	1,915.42	145.50	14.165 SF	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	0.00	0.00	0.00	39.408	1,065.11	875.14	1,378.53				
100.00	100.00	94.77	94.77	0.79	3.35	39.408	1,065.11	875.14	1,378.52	1,374.39	4.13	333.502	
200.00	200.00	194.77	194.77	1.45	6.88	39.408	1,065.11	875.14	1,378.52	1,370.20	8.33	165.558	
300.00	300.00	294.77	294.77	1.89	10.41	39.408	1,065.11	875.14	1,378.52	1,366.22	12.30	112.032	
400.00	400.00	394.77	394.77	2.25	13.95	39.408	1,065.11	875.14	1,378.52	1,362.32	16.20	85.098	
500.00	500.00	494.77	494.77	2.57	17.48	39.408	1,065.11	875.14	1,378.52	1,358.48	20.05	68.768	
600.00	600.00	594.78	594.77	2.85	19.75	39.408	1,065.11	875.14	1,378.52	1,355.92	22.60	60.997	
700.00	700.00	695.40	695.39	3.11	20.99	39.400	1,065.40	875.14	1,378.75	1,354.65	24.10	57.216	
800.00	800.00	798.92	798.91	3.35	22.26	39.406	1,065.17	875.14	1,378.58	1,352.96	25.61	53.824	
852.19	852.19	846.97	846.96	3.47	24.21	39.408	1,065.11	875.14	1,378.52	1,350.85	27.67	49.815	
900.00	900.00	894.78	894.77	3.58	26.75	39.408	1,065.11	875.14	1,378.52	1,348.19	30.33	45.453	
1,000.00	1,000.00	994.78	994.77	3.79	32.08	39.408	1,065.11	875.14	1,378.52	1,342.65	35.87	38.431	
1,100.00	1,100.00	1,094.78	1,094.77	3.99	37.41	39.408	1,065.11	875.14	1,378.52	1,337.12	41.40	33.295	
1,200.00	1,200.00	1,194.78	1,194.77	4.19	42.74	39.408	1,065.11	875.14	1,378.52	1,331.60	46.93	29.376	
1,300.00	1,300.00	1,294.78	1,294.77	4.38	48.06	39.408	1,065.11	875.14	1,378.52	1,326.08	52.44	26.286	
1,400.00	1,400.00	1,394.97	1,394.95	4.56	53.40	39.392	1,065.69	875.14	1,378.97	1,321.01	57.96	23.790	
1,500.00	1,500.00	1,495.40	1,495.39	4.74	58.75	39.393	1,065.66	875.14	1,378.94	1,315.45	63.49	21.719	
1,600.00	1,600.00	1,595.84	1,595.82	4.91	64.10	39.396	1,065.58	875.14	1,378.88	1,309.87	69.01	19.980	
1,700.00	1,700.00	1,696.27	1,696.26	5.08	69.45	39.399	1,065.46	875.14	1,378.79	1,304.26	74.53	18.499	
1,800.00	1,800.00	1,796.71	1,796.69	5.24	74.80	39.403	1,065.30	875.14	1,378.67	1,298.62	80.05	17.223	
1,900.00	1,900.00	1,894.85	1,894.77	5.40	79.84	39.408	1,065.11	875.14	1,378.52	1,293.28	85.24	16.172	
2,000.00	2,000.00	1,994.85	1,994.77	5.56	81.13	39.408	1,065.11	875.14	1,378.52	1,291.83	86.69	15.902	
2,100.00	2,099.98	2,094.83	2,094.75	5.80	82.43	50.333	1,065.11	875.14	1,377.41	1,289.23	88.18	15.621	
2,200.00	2,199.84	2,196.62	2,196.52	6.05	83.75	50.528	1,066.17	875.14	1,374.89	1,285.21	89.68	15.330	
2,300.00	2,299.45	2,299.97	2,299.87	6.31	85.09	50.920	1,065.80	875.14	1,369.08	1,277.87	91.22	15.009	
2,400.00	2,398.70	2,402.85	2,402.74	6.59	86.42	51.479	1,065.07	875.14	1,360.87	1,268.12	92.74	14.673	
2,500.00	2,497.47	2,492.40	2,492.24	6.89	87.72	52.105	1,065.11	875.14	1,351.11	1,256.86	94.25	14.335	
2,600.00	2,595.62	2,590.56	2,590.39	7.21	89.15	52.930	1,065.11	875.14	1,339.37	1,243.48	95.88	13.969	
2,700.00	2,693.06	2,689.27	2,689.10	7.54	90.58	53.895	1,066.19	875.14	1,326.54	1,229.01	97.53	13.602	
2,800.00	2,789.64	2,789.14	2,788.96	7.90	92.02	55.086	1,065.89	875.14	1,310.93	1,211.75	99.19	13.217	
2,900.00	2,885.35	2,887.89	2,887.71	8.18	93.46	56.333	1,065.25	875.14	1,293.66	1,192.90	100.76	12.839	
3,000.00	2,980.88	2,975.89	2,975.65	8.51	94.66	57.322	1,065.11	875.14	1,276.82	1,174.64	102.17	12.497	
3,100.00	3,076.41	3,072.73	3,072.49	8.85	95.97	58.412	1,065.72	875.14	1,260.99	1,157.30	103.69	12.162	
3,200.00	3,171.93	3,173.41	3,173.16	9.22	97.33	59.610	1,065.25	875.14	1,244.93	1,139.68	105.25	11.828	
3,300.00	3,267.46	3,262.51	3,262.23	9.59	98.58	60.686	1,065.11	875.14	1,229.57	1,122.85	106.72	11.522	
3,400.00	3,362.99	3,359.56	3,359.27	9.98	99.96	61.859	1,065.68	875.14	1,215.22	1,106.92	108.30	11.221	
3,500.00	3,458.52	3,459.84	3,459.54	10.38	101.39	63.138	1,065.17	875.14	1,200.73	1,090.80	109.93	10.923	
3,600.00	3,554.04	3,549.14	3,548.81	10.79	102.73	64.287	1,065.11	875.14	1,187.08	1,075.60	111.48	10.648	
3,700.00	3,649.57	3,645.41	3,645.08	11.20	104.18	65.523	1,065.79	875.14	1,174.47	1,061.33	113.14	10.381	
3,800.00	3,745.10	3,744.56	3,744.22	11.63	105.68	66.864	1,065.42	875.14	1,161.84	1,047.01	114.83	10.118	
3,900.00	3,840.62	3,835.77	3,835.39	12.06	107.15	68.120	1,065.11	875.14	1,149.88	1,033.37	116.50	9.870	
4,000.00	3,936.15	3,931.29	3,930.92	12.50	108.78	69.447	1,065.11	875.14	1,138.74	1,020.42	118.32	9.624	
4,100.00	4,031.68	4,028.82	4,028.44	12.94	110.45	70.798	1,065.76	875.14	1,128.60	1,008.43	120.17	9.391	
4,200.00	4,127.21	4,126.97	4,126.58	13.38	112.12	72.234	1,065.18	875.14	1,118.53	996.50	122.03	9.166	
4,300.00	4,222.73	4,217.96	4,217.50	13.84	113.70	73.564	1,065.11	875.14	1,109.40	985.61	123.79	8.962	
4,400.00	4,318.26	4,315.21	4,314.74	14.29	115.39	74.966	1,065.98	875.14	1,101.43	975.76	125.67	8.765	
4,500.00	4,413.79	4,414.94	4,414.45	14.75	117.13	76.499	1,065.18	875.14	1,093.46	965.88	127.57	8.571	
4,600.00	4,509.32	4,504.61	4,504.09	15.21	118.64	77.864	1,065.11	875.14	1,086.54	957.27	129.26	8.406	
4,700.00	4,604.84	4,600.98	4,600.44	15.68	120.25	79.315	1,065.71	875.14	1,080.66	949.60	131.06	8.246	
4,800.00	4,700.37	4,698.66	4,698.12	16.15	121.89	80.853	1,065.23	875.14	1,075.15	942.27	132.87	8.091	
4,900.00	4,795.90	4,791.24	4,790.67	16.62	123.47	82.307	1,065.11	875.14	1,070.56	935.92	134.64	7.951	
5,000.00	4,891.42	4,887.37	4,886.79	17.09	125.11	83.791	1,065.71	875.14	1,067.00	930.52	136.48	7.818	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-INC-ONLY													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,986.95	4,984.57	4,983.99	17.57	126.78	85.354	1,065.24	875.14	1,063.93	925.58	138.35	7.690	
5,200.00	5,082.48	5,077.86	5,077.25	18.05	128.40	86.844	1,065.11	875.14	1,061.78	921.60	140.18	7.575	
5,300.00	5,178.01	5,173.94	5,173.32	18.53	130.08	88.349	1,065.66	875.14	1,060.61	918.53	142.07	7.465	
5,400.00	5,273.53	5,270.67	5,270.04	19.01	131.76	89.921	1,065.14	875.14	1,060.02	916.03	143.99	7.362	
5,405.27	5,278.57	5,275.76	5,275.13	19.03	131.85	90.005	1,065.10	875.14	1,060.01	915.92	144.09	7.357	
5,500.00	5,369.06	5,364.49	5,363.83	19.49	133.44	91.421	1,065.11	875.14	1,060.37	914.46	145.91	7.267	
5,600.00	5,464.59	5,460.24	5,459.57	19.98	135.15	92.915	1,065.78	875.14	1,061.64	913.75	147.89	7.179	
5,700.00	5,560.11	5,556.35	5,555.68	20.46	136.87	94.466	1,065.38	875.14	1,063.58	913.69	149.89	7.096	
5,800.00	5,655.64	5,651.12	5,650.41	20.95	138.58	95.981	1,065.11	875.14	1,066.37	914.48	151.89	7.021	
5,900.00	5,751.17	5,746.69	5,745.98	21.44	140.31	97.456	1,065.73	875.14	1,070.03	916.09	153.94	6.951	
6,000.00	5,846.70	5,842.38	5,841.66	21.93	142.04	98.972	1,065.38	875.14	1,074.43	918.43	156.00	6.887	
6,100.00	5,942.22	5,937.74	5,936.99	22.42	143.77	100.466	1,065.11	875.14	1,079.65	921.55	158.10	6.829	
6,200.00	6,037.75	6,033.25	6,032.49	22.91	145.52	101.903	1,065.73	875.14	1,085.63	925.42	160.22	6.776	
6,300.00	6,133.28	6,128.43	6,127.67	23.40	147.27	103.369	1,065.38	875.14	1,092.41	930.05	162.36	6.728	
6,400.00	6,228.81	6,224.37	6,223.58	23.90	149.04	104.825	1,065.11	875.14	1,099.95	935.40	164.55	6.685	
6,500.00	6,324.33	6,319.83	6,319.03	24.39	150.81	106.209	1,065.75	875.14	1,108.14	941.39	166.75	6.646	
6,600.00	6,419.86	6,414.54	6,413.74	24.89	152.57	107.610	1,065.43	875.14	1,117.15	948.19	168.96	6.612	
6,700.00	6,515.60	6,511.21	6,510.37	25.37	154.37	109.102	1,065.11	875.14	1,126.64	955.44	171.20	6.581	
6,800.00	6,612.24	6,607.76	6,606.92	25.87	156.18	110.429	1,065.73	875.14	1,135.49	962.04	173.45	6.547	
6,900.00	6,709.71	6,703.94	6,703.09	26.36	157.98	111.609	1,065.40	875.14	1,143.74	968.08	175.66	6.511	
7,000.00	6,807.91	6,803.56	6,802.68	26.83	159.86	112.631	1,065.11	875.14	1,151.03	973.11	177.91	6.470	
7,100.00	6,906.70	6,901.70	6,900.81	27.29	161.70	113.415	1,065.60	875.14	1,157.03	976.94	180.09	6.425	
7,200.00	7,005.97	7,001.66	7,000.74	27.72	163.59	114.071	1,065.11	875.14	1,162.00	979.72	182.28	6.375	
7,300.00	7,105.61	7,101.29	7,100.38	28.11	165.49	114.517	1,065.11	875.14	1,165.52	981.08	184.44	6.319	
7,400.00	7,205.47	7,200.32	7,199.39	28.47	167.39	114.750	1,065.71	875.14	1,167.48	980.95	186.53	6.259	
7,500.00	7,305.46	7,298.78	7,297.85	28.62	169.27	104.008	1,065.15	875.14	1,168.27	979.75	188.53	6.197	
7,600.00	7,405.46	7,401.19	7,400.23	28.70	171.25	104.009	1,065.11	875.14	1,168.28	977.67	190.61	6.129	
7,650.30	7,455.76	7,451.49	7,450.52	28.72	172.21	103.979	1,065.76	875.14	1,168.12	976.52	191.60	6.097	
7,700.00	7,505.46	7,500.39	7,499.41	28.74	173.15	103.982	1,065.69	875.14	1,168.14	975.57	192.57	6.066	
7,800.00	7,605.46	7,601.24	7,600.23	28.78	175.10	104.009	1,065.11	875.14	1,168.28	973.70	194.57	6.004	
7,900.00	7,705.46	7,701.24	7,700.23	28.82	177.24	104.009	1,065.11	875.14	1,168.28	971.51	196.77	5.937	
7,917.89	7,723.34	7,718.83	7,717.81	28.83	177.62	103.988	1,065.57	875.14	1,168.17	971.02	197.15	5.925	
8,000.00	7,805.46	7,799.09	7,798.07	28.87	179.34	104.004	1,065.22	875.14	1,168.26	969.34	198.91	5.873	
8,100.00	7,905.46	7,901.30	7,900.23	28.91	181.55	104.009	1,065.11	875.14	1,168.28	967.09	201.19	5.807	
8,145.12	7,950.58	7,946.35	7,945.26	28.93	182.52	103.962	1,066.12	875.14	1,168.04	965.85	202.18	5.777	
8,200.00	8,005.46	7,999.52	7,998.42	28.95	183.67	103.970	1,065.94	875.14	1,168.08	964.72	203.36	5.744	
8,300.00	8,105.46	8,101.38	8,100.23	29.00	185.83	104.009	1,065.11	875.14	1,168.28	962.70	205.58	5.683	
8,400.00	8,205.46	8,201.38	8,200.23	29.04	187.78	104.009	1,065.11	875.14	1,168.28	960.68	207.59	5.628	
8,430.27	8,235.72	8,231.34	8,230.18	29.05	188.37	103.981	1,065.70	875.14	1,168.14	959.94	208.19	5.611	
8,500.00	8,305.46	8,299.86	8,298.70	29.08	189.71	103.992	1,065.48	875.14	1,168.19	958.62	209.57	5.574	
8,600.00	8,405.46	8,401.42	8,400.23	29.12	191.63	104.009	1,065.11	875.14	1,168.28	956.73	211.55	5.522	
8,698.11	8,503.57	8,499.53	8,498.33	29.17	193.41	103.979	1,065.75	875.14	1,168.12	954.74	213.38	5.474	
8,700.00	8,505.46	8,501.39	8,500.19	29.17	193.44	103.979	1,065.75	875.14	1,168.12	954.70	213.42	5.473	
8,800.00	8,605.46	8,599.76	8,598.56	29.21	195.23	103.993	1,065.46	875.14	1,168.20	952.94	215.26	5.427	
8,900.00	8,705.46	8,701.45	8,700.23	29.26	197.00	104.009	1,065.11	875.14	1,168.28	951.19	217.09	5.381	
9,000.00	8,805.45	8,801.28	8,800.06	29.29	198.66	18.179	1,065.40	875.14	1,167.93	949.15	218.77	5.339	
9,100.00	8,904.61	8,899.56	8,898.34	29.27	200.30	18.732	1,065.19	875.14	1,156.68	936.32	220.36	5.249	
9,200.00	9,000.20	8,996.20	8,994.97	29.26	202.03	20.173	1,065.11	875.14	1,129.28	907.22	222.05	5.086	
9,300.00	9,089.32	9,084.75	9,083.52	29.27	203.64	22.721	1,065.31	875.14	1,086.64	862.99	223.65	4.859	
9,400.00	9,169.25	9,165.27	9,164.02	29.32	205.11	26.913	1,065.11	875.14	1,030.47	805.30	225.17	4.576	
9,500.00	9,237.56	9,233.59	9,232.33	29.44	206.33	33.509	1,065.11	875.14	962.67	736.14	226.53	4.250	
9,600.00	9,292.19	9,288.21	9,286.96	29.66	207.25	43.730	1,065.11	875.14	885.86	658.12	227.73	3.890	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 540-INC-ONLY												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,700.00	9,331.47	9,327.49	9,326.24	30.00	207.91	58.541	1,065.11	875.14	803.05	574.17	228.88	3.509	
9,800.00	9,354.20	9,350.23	9,348.97	30.47	208.30	76.464	1,065.11	875.14	717.76	487.69	230.06	3.120	
9,900.00	9,360.00	9,356.03	9,354.77	31.06	208.39	90.000	1,065.11	875.14	633.84	402.44	231.39	2.739	
10,000.00	9,360.00	9,356.03	9,354.77	31.80	208.39	90.000	1,065.11	875.14	553.47	320.36	233.11	2.374	
10,100.00	9,360.00	9,356.03	9,354.77	32.64	208.39	90.000	1,065.11	875.14	478.05	242.70	235.36	2.031	
10,200.00	9,360.00	9,356.03	9,354.77	33.59	208.39	90.000	1,065.11	875.14	412.26	174.02	238.24	1.730	Level 3
10,300.00	9,360.00	9,356.03	9,354.77	34.63	208.39	90.000	1,065.11	875.14	362.46	120.98	241.49	1.501	Level 3
10,400.00	9,360.00	9,356.03	9,354.77	35.76	208.39	90.000	1,065.11	875.14	335.86	91.78	244.08	1.376	Level 3
10,442.88	9,360.00	9,356.03	9,354.77	36.29	208.39	90.000	1,065.11	875.14	333.11	88.46	244.65	1.362	Level 3, CC, ES, SF
10,500.00	9,360.00	9,356.03	9,354.77	36.98	208.39	90.000	1,065.11	875.14	337.97	93.26	244.71	1.381	Level 3
10,600.00	9,360.00	9,356.03	9,354.77	38.27	208.39	90.000	1,065.11	875.14	368.30	125.03	243.28	1.514	Level 3
10,700.00	9,360.00	9,356.03	9,354.77	39.62	208.39	90.000	1,065.11	875.14	420.80	179.92	240.88	1.747	Level 3
10,800.00	9,360.00	9,356.03	9,354.77	41.03	208.39	90.000	1,065.11	875.14	488.36	249.86	238.50	2.048	
10,900.00	9,360.00	9,356.03	9,354.77	42.50	208.39	90.000	1,065.11	875.14	565.61	329.10	236.51	2.392	
11,000.00	9,360.00	9,356.03	9,354.77	44.01	208.39	90.000	1,065.11	875.14	649.11	414.15	234.95	2.763	
11,100.00	9,360.00	9,356.03	9,354.77	45.57	208.39	90.000	1,065.11	875.14	736.72	502.97	233.76	3.152	
11,200.00	9,360.00	9,356.03	9,354.77	47.17	208.39	90.000	1,065.11	875.14	827.15	594.31	232.84	3.552	
11,300.00	9,360.00	9,356.03	9,354.77	48.80	208.39	90.000	1,065.11	875.14	919.57	687.44	232.13	3.961	
11,400.00	9,360.00	9,356.03	9,354.77	50.47	208.39	90.000	1,065.11	875.14	1,013.43	781.84	231.58	4.376	
11,500.00	9,360.00	9,356.03	9,354.77	52.16	208.39	90.000	1,065.11	875.14	1,108.36	877.21	231.14	4.795	
11,600.00	9,360.00	9,356.03	9,354.77	53.88	208.39	90.000	1,065.11	875.14	1,204.11	973.31	230.80	5.217	
11,700.00	9,360.00	9,356.03	9,354.77	55.63	208.39	90.000	1,065.11	875.14	1,300.50	1,069.98	230.52	5.642	
11,800.00	9,360.00	9,356.03	9,354.77	57.39	208.39	90.000	1,065.11	875.14	1,397.40	1,167.10	230.29	6.068	
11,900.00	9,360.00	9,356.03	9,354.77	59.18	208.39	90.000	1,065.11	875.14	1,494.71	1,264.59	230.11	6.496	
12,000.00	9,360.00	9,356.03	9,354.77	60.98	208.39	90.000	1,065.11	875.14	1,592.35	1,362.38	229.96	6.924	
12,100.00	9,360.00	9,356.03	9,354.77	62.80	208.39	90.000	1,065.11	875.14	1,690.26	1,460.42	229.85	7.354	
12,200.00	9,360.00	9,356.03	9,354.77	64.64	208.39	90.000	1,065.11	875.14	1,788.41	1,558.66	229.75	7.784	
12,300.00	9,360.00	9,356.03	9,354.77	66.48	208.39	90.000	1,065.11	875.14	1,886.75	1,657.08	229.67	8.215	
12,400.00	9,360.00	9,356.03	9,354.77	68.35	208.39	90.000	1,065.11	875.14	1,985.26	1,755.65	229.61	8.646	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W11) HULKSTER 004 - 39571 - (Inc Only)												Offset Site Error: 0.00 usft		
Survey Program: 275-INC-ONLY		Offset		Semi Major Axis		Highside Toolface (°)	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)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,800.00	9,354.20	9,360.85	9,357.97	30.47	223.37	59.068	1,067.57	2,193.77	1,987.12	1,744.78	242.34	8.200		
9,900.00	9,360.00	9,366.65	9,363.77	31.06	223.49	90.000	1,067.57	2,193.77	1,890.21	1,647.59	242.62	7.791		
10,000.00	9,360.00	9,366.65	9,363.77	31.80	223.49	90.000	1,067.57	2,193.77	1,792.77	1,549.96	242.81	7.383		
10,100.00	9,360.00	9,366.65	9,363.77	32.64	223.49	90.000	1,067.57	2,193.77	1,694.86	1,451.85	243.01	6.974		
10,200.00	9,360.00	9,366.65	9,363.77	33.59	223.49	90.000	1,067.57	2,193.77	1,596.95	1,353.71	243.24	6.565		
10,300.00	9,360.00	9,366.65	9,363.77	34.63	223.49	90.000	1,067.57	2,193.77	1,499.31	1,255.79	243.52	6.157		
10,400.00	9,360.00	9,366.65	9,363.77	35.76	223.49	90.000	1,067.57	2,193.77	1,402.01	1,158.14	243.87	5.749		
10,500.00	9,360.00	9,366.65	9,363.77	36.98	223.49	90.000	1,067.57	2,193.77	1,305.12	1,060.82	244.30	5.342		
10,600.00	9,360.00	9,366.65	9,363.77	38.27	223.49	90.000	1,067.57	2,193.77	1,208.73	963.89	244.84	4.937		
10,700.00	9,360.00	9,366.65	9,363.77	39.62	223.49	90.000	1,067.57	2,193.77	1,112.98	867.45	245.53	4.533		
10,800.00	9,360.00	9,366.65	9,363.77	41.03	223.49	90.000	1,067.57	2,193.77	1,018.04	771.64	246.40	4.132		
10,900.00	9,360.00	9,366.65	9,363.77	42.50	223.49	90.000	1,067.57	2,193.77	924.18	676.64	247.54	3.733		
11,000.00	9,360.00	9,366.65	9,363.77	44.01	223.49	90.000	1,067.57	2,193.77	831.75	582.73	249.02	3.340		
11,100.00	9,360.00	9,366.65	9,363.77	45.57	223.49	90.000	1,067.57	2,193.77	741.28	490.32	250.96	2.954		
11,200.00	9,360.00	9,366.65	9,363.77	47.17	223.49	90.000	1,067.57	2,193.77	653.60	400.06	253.54	2.578		
11,300.00	9,360.00	9,366.65	9,363.77	48.80	223.49	90.000	1,067.57	2,193.77	569.99	313.02	256.97	2.218		
11,400.00	9,360.00	9,366.65	9,363.77	50.47	223.49	90.000	1,067.57	2,193.77	492.53	231.07	261.46	1.884	Level 3	
11,500.00	9,360.00	9,366.65	9,363.77	52.16	223.49	90.000	1,067.57	2,193.77	424.60	157.51	267.09	1.590	Level 3	
11,600.00	9,360.00	9,366.65	9,363.77	53.88	223.49	90.000	1,067.57	2,193.77	371.46	98.10	273.36	1.359	Level 3	
11,700.00	9,360.00	9,366.65	9,363.77	55.63	223.49	90.000	1,067.57	2,193.77	340.12	61.54	278.57	1.221	Level 3	
11,761.52	9,360.00	9,366.65	9,363.77	56.71	223.49	90.000	1,067.57	2,193.77	334.50	54.33	280.18	1.194	Level 3, CC, ES, SF	
11,800.00	9,360.00	9,366.65	9,363.77	57.39	223.49	90.000	1,067.57	2,193.77	336.71	56.37	280.34	1.201	Level 3	
11,900.00	9,360.00	9,366.65	9,363.77	59.18	223.49	90.000	1,067.57	2,193.77	362.04	84.04	278.00	1.302	Level 3	
12,000.00	9,360.00	9,366.65	9,363.77	60.98	223.49	90.000	1,067.57	2,193.77	410.81	137.42	273.39	1.503	Level 3	
12,100.00	9,360.00	9,366.65	9,363.77	62.80	223.49	90.000	1,067.57	2,193.77	475.88	207.37	268.51	1.772	Level 3	
12,200.00	9,360.00	9,366.65	9,363.77	64.64	223.49	90.000	1,067.57	2,193.77	551.51	287.25	264.26	2.087		
12,300.00	9,360.00	9,366.65	9,363.77	66.48	223.49	90.000	1,067.57	2,193.77	633.92	373.09	260.83	2.430		
12,400.00	9,360.00	9,366.65	9,363.77	68.35	223.49	90.000	1,067.57	2,193.77	720.80	462.67	258.13	2.792		
12,500.00	9,360.00	9,366.65	9,363.77	70.22	223.49	90.000	1,067.57	2,193.77	810.71	554.71	256.00	3.167		
12,600.00	9,360.00	9,366.65	9,363.77	72.10	223.49	90.000	1,067.57	2,193.77	902.74	648.42	254.32	3.550		
12,700.00	9,360.00	9,366.65	9,363.77	74.00	223.49	90.000	1,067.57	2,193.77	996.31	743.33	252.98	3.938		
12,800.00	9,360.00	9,366.65	9,363.77	75.90	223.49	90.000	1,067.57	2,193.77	1,091.02	839.13	251.90	4.331		
12,900.00	9,360.00	9,366.65	9,363.77	77.81	223.49	90.000	1,067.57	2,193.77	1,186.60	935.58	251.02	4.727		
13,000.00	9,360.00	9,366.65	9,363.77	79.73	223.49	90.000	1,067.57	2,193.77	1,282.86	1,032.56	250.30	5.125		
13,100.00	9,360.00	9,366.65	9,363.77	81.66	223.49	90.000	1,067.57	2,193.77	1,379.65	1,129.94	249.70	5.525		
13,200.00	9,360.00	9,366.65	9,363.77	83.59	223.49	90.000	1,067.57	2,193.77	1,476.86	1,227.65	249.21	5.926		
13,300.00	9,360.00	9,366.65	9,363.77	85.53	223.49	90.000	1,067.57	2,193.77	1,574.43	1,325.63	248.79	6.328		
13,400.00	9,360.00	9,366.65	9,363.77	87.48	223.49	90.000	1,067.57	2,193.77	1,672.28	1,423.83	248.44	6.731		
13,500.00	9,360.00	9,366.65	9,363.77	89.43	223.49	90.000	1,067.57	2,193.77	1,770.37	1,522.22	248.15	7.134		
13,600.00	9,360.00	9,366.65	9,363.77	91.38	223.49	90.000	1,067.57	2,193.77	1,868.66	1,620.76	247.90	7.538		
13,700.00	9,360.00	9,366.65	9,363.77	93.35	223.49	90.000	1,067.57	2,193.77	1,967.13	1,719.44	247.69	7.942		

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W12) HULKSTER 005 - 39572 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 235-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
10,600.00	9,360.00	9,354.15	9,352.77	38.27	203.08	90.000	-252.34	2,203.09	2,024.60	1,787.76	236.84	8.548	
10,700.00	9,360.00	9,354.15	9,352.77	39.62	203.08	90.000	-252.34	2,203.09	1,968.66	1,730.10	238.56	8.252	
10,800.00	9,360.00	9,354.15	9,352.77	41.03	203.08	90.000	-252.34	2,203.09	1,916.30	1,675.91	240.40	7.971	
10,900.00	9,360.00	9,354.15	9,352.77	42.50	203.08	90.000	-252.34	2,203.09	1,867.84	1,625.50	242.34	7.708	
11,000.00	9,360.00	9,354.15	9,352.77	44.01	203.08	90.000	-252.34	2,203.09	1,823.58	1,579.21	244.36	7.463	
11,100.00	9,360.00	9,354.15	9,352.77	45.57	203.08	90.000	-252.34	2,203.09	1,783.83	1,537.37	246.45	7.238	
11,200.00	9,360.00	9,354.15	9,352.77	47.17	203.08	90.000	-252.34	2,203.09	1,748.90	1,500.32	248.58	7.036	
11,300.00	9,360.00	9,354.15	9,352.77	48.80	203.08	90.000	-252.34	2,203.09	1,719.08	1,468.37	250.72	6.857	
11,400.00	9,360.00	9,354.15	9,352.77	50.47	203.08	90.000	-252.34	2,203.09	1,694.65	1,441.82	252.83	6.703	
11,500.00	9,360.00	9,354.15	9,352.77	52.16	203.08	90.000	-252.34	2,203.09	1,675.84	1,420.95	254.89	6.575	
11,600.00	9,360.00	9,354.15	9,352.77	53.88	203.08	90.000	-252.34	2,203.09	1,662.84	1,405.99	256.86	6.474	
11,700.00	9,360.00	9,354.15	9,352.77	55.63	203.08	90.000	-252.34	2,203.09	1,655.79	1,397.09	258.71	6.400	
11,766.98	9,360.00	9,354.15	9,352.77	56.81	203.08	90.000	-252.34	2,203.09	1,654.44	1,394.57	259.86	6.367 CC	
11,800.00	9,360.00	9,354.15	9,352.77	57.39	203.08	90.000	-252.34	2,203.09	1,654.77	1,394.36	260.40	6.355 ES	
11,900.00	9,360.00	9,354.15	9,352.77	59.18	203.08	90.000	-252.34	2,203.09	1,659.78	1,397.85	261.93	6.337 SF	
12,000.00	9,360.00	9,354.15	9,352.77	60.98	203.08	90.000	-252.34	2,203.09	1,670.77	1,407.50	263.27	6.346	
12,100.00	9,360.00	9,354.15	9,352.77	62.80	203.08	90.000	-252.34	2,203.09	1,687.62	1,423.21	264.41	6.383	
12,200.00	9,360.00	9,354.15	9,352.77	64.64	203.08	90.000	-252.34	2,203.09	1,710.17	1,444.81	265.35	6.445	
12,300.00	9,360.00	9,354.15	9,352.77	66.48	203.08	90.000	-252.34	2,203.09	1,738.18	1,472.08	266.10	6.532	
12,400.00	9,360.00	9,354.15	9,352.77	68.35	203.08	90.000	-252.34	2,203.09	1,771.41	1,504.74	266.67	6.643	
12,500.00	9,360.00	9,354.15	9,352.77	70.22	203.08	90.000	-252.34	2,203.09	1,809.55	1,542.50	267.06	6.776	
12,600.00	9,360.00	9,354.15	9,352.77	72.10	203.08	90.000	-252.34	2,203.09	1,852.32	1,585.02	267.29	6.930	
12,700.00	9,360.00	9,354.15	9,352.77	74.00	203.08	90.000	-252.34	2,203.09	1,899.39	1,632.00	267.39	7.103	
12,800.00	9,360.00	9,354.15	9,352.77	75.90	203.08	90.000	-252.34	2,203.09	1,950.46	1,683.08	267.37	7.295	
12,900.00	9,360.00	9,354.15	9,352.77	77.81	203.08	90.000	-252.34	2,203.09	2,005.22	1,737.96	267.26	7.503	
13,000.00	9,360.00	9,354.15	9,352.77	79.73	203.08	90.000	-252.34	2,203.09	2,063.37	1,796.32	267.05	7.726	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W14) KEELA FEDERAL 003 - 33340 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 218-INC-ONLY												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		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)			
14,700.00	9,360.00	9,350.93	9,348.77	113.17	214.39	90.000	-442.21	5,949.50	2,025.51	1,706.46	319.05	6.349	
14,800.00	9,360.00	9,350.93	9,348.77	115.17	214.39	90.000	-442.21	5,949.50	1,987.49	1,664.73	322.75	6.158	
14,900.00	9,360.00	9,350.93	9,348.77	117.18	214.39	90.000	-442.21	5,949.50	1,953.86	1,627.49	326.37	5.987	
15,000.00	9,360.00	9,350.93	9,348.77	119.18	214.39	90.000	-442.21	5,949.50	1,924.83	1,595.00	329.84	5.836	
15,100.00	9,360.00	9,350.93	9,348.77	121.19	214.39	90.000	-442.21	5,949.50	1,900.64	1,567.51	333.13	5.705	
15,200.00	9,360.00	9,350.93	9,348.77	123.20	214.39	90.000	-442.21	5,949.50	1,881.45	1,545.26	336.19	5.596	
15,300.00	9,360.00	9,350.93	9,348.77	125.21	214.39	90.000	-442.21	5,949.50	1,867.43	1,528.44	338.99	5.509	
15,400.00	9,360.00	9,350.93	9,348.77	127.22	214.39	90.000	-442.21	5,949.50	1,858.69	1,517.22	341.48	5.443	
15,500.00	9,360.00	9,350.93	9,348.77	129.23	214.39	90.000	-442.21	5,949.50	1,855.31	1,511.68	343.62	5.399	
15,512.82	9,360.00	9,350.93	9,348.77	129.49	214.39	90.000	-442.21	5,949.50	1,855.27	1,511.39	343.87	5.395 CC, ES	
15,600.00	9,360.00	9,350.93	9,348.77	131.25	214.39	90.000	-442.21	5,949.50	1,857.31	1,511.90	345.41	5.377	
15,700.00	9,360.00	9,350.93	9,348.77	133.27	214.39	90.000	-442.21	5,949.50	1,864.68	1,517.86	346.83	5.376 SF	
15,800.00	9,360.00	9,350.93	9,348.77	135.29	214.39	90.000	-442.21	5,949.50	1,877.36	1,529.50	347.86	5.397	
15,900.00	9,360.00	9,350.93	9,348.77	137.31	214.39	90.000	-442.21	5,949.50	1,895.24	1,546.71	348.52	5.438	
16,000.00	9,360.00	9,350.93	9,348.77	139.33	214.39	90.000	-442.21	5,949.50	1,918.17	1,569.33	348.83	5.499	
16,100.00	9,360.00	9,350.93	9,348.77	141.35	214.39	90.000	-442.21	5,949.50	1,945.97	1,597.16	348.80	5.579	
16,200.00	9,360.00	9,350.93	9,348.77	143.38	214.39	90.000	-442.21	5,949.50	1,978.44	1,629.97	348.47	5.677	
16,300.00	9,360.00	9,350.93	9,348.77	145.41	214.39	90.000	-442.21	5,949.50	2,015.36	1,667.50	347.86	5.794	
16,400.00	9,360.00	9,350.93	9,348.77	147.43	214.39	90.000	-442.21	5,949.50	2,056.48	1,709.47	347.01	5.926	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 229-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	150.538	-1,573.28	888.75	1,806.99				
100.00	100.00	88.77	88.77	0.79	1.84	150.538	-1,573.28	888.75	1,806.95	1,804.33	2.62	689.491	
200.00	200.00	188.77	188.77	1.45	3.90	150.538	-1,573.28	888.75	1,806.95	1,801.61	5.35	337.851	
300.00	300.00	288.78	288.77	1.89	5.88	150.538	-1,573.28	888.75	1,806.95	1,799.18	7.77	232.560	
340.87	340.87	329.63	329.62	2.04	6.66	150.533	-1,572.95	888.75	1,806.67	1,797.97	8.70	207.668	
400.00	400.00	383.27	383.26	2.25	7.69	150.534	-1,573.05	888.75	1,806.76	1,796.82	9.94	181.754	
500.00	500.00	488.79	488.77	2.57	10.20	150.538	-1,573.28	888.75	1,806.95	1,794.18	12.77	141.503	
600.00	600.00	588.79	588.77	2.85	12.96	150.538	-1,573.28	888.75	1,806.95	1,791.15	15.81	114.305	
683.48	683.48	672.23	672.21	3.07	15.26	150.530	-1,572.76	888.75	1,806.50	1,788.17	18.32	98.585 CC	
700.00	700.00	688.30	688.28	3.11	15.70	150.530	-1,572.76	888.75	1,806.50	1,787.69	18.81	96.040	
800.00	800.00	785.53	785.51	3.35	18.38	150.532	-1,572.87	888.75	1,806.60	1,784.87	21.73	83.136	
900.00	900.00	882.77	882.75	3.58	21.06	150.536	-1,573.16	888.75	1,806.86	1,782.22	24.64	73.338	
1,000.00	1,000.00	988.80	988.77	3.79	23.52	150.538	-1,573.28	888.75	1,806.95	1,779.64	27.31	66.155	
1,100.00	1,100.00	1,088.80	1,088.77	3.99	25.68	150.538	-1,573.28	888.75	1,806.95	1,777.28	29.68	60.891	
1,172.99	1,172.99	1,161.77	1,161.74	4.14	27.25	150.534	-1,573.01	888.75	1,806.72	1,775.33	31.39	57.554	
1,200.00	1,200.00	1,188.41	1,188.38	4.19	27.83	150.534	-1,573.01	888.75	1,806.72	1,774.70	32.02	56.426	
1,300.00	1,300.00	1,287.05	1,287.02	4.38	29.96	150.535	-1,573.08	888.75	1,806.78	1,772.45	34.34	52.622	
1,400.00	1,400.00	1,385.69	1,385.66	4.56	32.08	150.537	-1,573.23	888.75	1,806.92	1,770.27	36.64	49.309	
1,500.00	1,500.00	1,488.80	1,488.77	4.74	34.22	150.538	-1,573.28	888.75	1,806.95	1,768.00	38.96	46.381	
1,600.00	1,600.00	1,588.80	1,588.77	4.91	36.27	150.538	-1,573.28	888.75	1,806.95	1,765.78	41.18	43.880	
1,672.84	1,672.84	1,661.58	1,661.55	5.03	37.76	150.534	-1,573.01	888.75	1,806.72	1,763.93	42.79	42.221	
1,700.00	1,700.00	1,688.38	1,688.34	5.08	38.31	150.534	-1,573.01	888.75	1,806.72	1,763.34	43.39	41.643	
1,800.00	1,800.00	1,787.02	1,786.98	5.24	40.33	150.535	-1,573.08	888.75	1,806.78	1,761.21	45.57	39.648	
1,900.00	1,900.00	1,885.66	1,885.62	5.40	42.35	150.537	-1,573.24	888.75	1,806.92	1,759.17	47.75	37.841	
2,000.00	2,000.00	1,988.82	1,988.77	5.56	44.53	150.538	-1,573.28	888.75	1,806.95	1,756.86	50.09	36.074	
2,100.00	2,099.98	2,088.80	2,088.75	5.80	46.66	161.397	-1,573.28	888.75	1,808.61	1,756.15	52.46	34.479 ES	
2,200.00	2,199.84	2,187.94	2,187.88	6.05	48.78	161.404	-1,572.42	888.75	1,812.82	1,758.01	54.81	33.075	
2,300.00	2,299.45	2,283.78	2,283.72	6.31	50.82	161.437	-1,572.58	888.75	1,821.23	1,764.12	57.11	31.892	
2,400.00	2,398.70	2,379.22	2,379.15	6.59	52.86	161.483	-1,572.97	888.75	1,833.14	1,773.73	59.41	30.857	
2,500.00	2,497.47	2,486.34	2,486.24	6.89	55.07	161.559	-1,573.28	888.75	1,848.25	1,786.35	61.91	29.856	
2,600.00	2,595.62	2,584.49	2,584.39	7.21	57.03	161.628	-1,573.28	888.75	1,866.39	1,802.22	64.17	29.085	
2,700.00	2,693.06	2,681.19	2,681.09	7.54	58.97	161.692	-1,572.52	888.75	1,887.13	1,820.71	66.42	28.411	
2,800.00	2,789.64	2,773.41	2,773.31	7.90	60.81	161.767	-1,572.68	888.75	1,911.94	1,843.34	68.60	27.870	
2,900.00	2,885.35	2,864.66	2,864.55	8.18	62.63	161.921	-1,573.08	888.75	1,939.94	1,869.25	70.69	27.443	
3,000.00	2,980.88	2,969.80	2,969.65	8.51	64.83	162.216	-1,573.28	888.75	1,968.35	1,895.15	73.21	26.887	
3,100.00	3,076.41	3,065.33	3,065.18	8.85	66.86	162.474	-1,573.28	888.75	1,996.65	1,921.07	75.58	26.418	
3,200.00	3,171.93	3,160.19	3,160.03	9.22	68.88	162.709	-1,572.19	888.75	2,024.01	1,946.06	77.95	25.966	
3,300.00	3,267.46	3,250.03	3,249.86	9.59	70.79	162.941	-1,572.36	888.75	2,052.53	1,972.31	80.22	25.585 SF	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	103.209	-253.78	1,081.27	1,110.82					
100.00	100.00	80.77	80.77	0.79	2.31	103.209	-253.78	1,081.27	1,110.65	1,107.55	3.10	358.471		
200.00	200.00	180.77	180.77	1.45	5.18	103.209	-253.78	1,081.27	1,110.65	1,104.03	6.62	167.721		
300.00	300.00	280.77	280.77	1.89	8.04	103.209	-253.78	1,081.27	1,110.65	1,100.72	9.93	111.838		
400.00	400.00	380.77	380.77	2.25	10.90	103.209	-253.78	1,081.27	1,110.65	1,097.50	13.16	84.421		
500.00	500.00	480.78	480.77	2.57	13.63	103.209	-253.78	1,081.27	1,110.65	1,094.46	16.19	68.587		
600.00	600.00	580.78	580.77	2.85	16.30	103.209	-253.78	1,081.27	1,110.65	1,091.50	19.15	57.987		
694.07	694.07	674.84	674.83	3.09	18.82	103.179	-253.20	1,081.27	1,110.52	1,088.60	21.92	50.672		
700.00	700.00	680.74	680.74	3.11	18.98	103.179	-253.20	1,081.27	1,110.52	1,088.43	22.09	50.274		
800.00	800.00	780.34	780.33	3.35	21.65	103.184	-253.29	1,081.27	1,110.54	1,085.54	25.00	44.426		
900.00	900.00	879.93	879.92	3.58	24.32	103.197	-253.55	1,081.27	1,110.60	1,082.71	27.89	39.819		
1,000.00	1,000.00	980.80	980.77	3.79	26.77	103.209	-253.78	1,081.27	1,110.65	1,080.09	30.56	36.343		
1,100.00	1,100.00	1,080.80	1,080.77	3.99	28.83	103.209	-253.78	1,081.27	1,110.65	1,077.83	32.82	33.838		
1,200.00	1,200.00	1,180.80	1,180.77	4.19	30.89	103.209	-253.78	1,081.27	1,110.65	1,075.57	35.08	31.664		
1,239.71	1,239.71	1,220.37	1,220.34	4.27	31.70	103.182	-253.25	1,081.27	1,110.53	1,074.56	35.97	30.877		
1,300.00	1,300.00	1,280.40	1,280.37	4.38	32.94	103.185	-253.31	1,081.27	1,110.54	1,073.23	37.32	29.761		
1,400.00	1,400.00	1,379.97	1,379.94	4.56	34.98	103.197	-253.55	1,081.27	1,110.60	1,071.05	39.55	28.083		
1,500.00	1,500.00	1,480.83	1,480.77	4.74	37.07	103.209	-253.78	1,081.27	1,110.65	1,068.84	41.81	26.562		
1,600.00	1,600.00	1,580.83	1,580.77	4.91	39.17	103.209	-253.78	1,081.27	1,110.65	1,066.57	44.08	25.197		
1,700.00	1,700.00	1,680.83	1,680.77	5.08	41.26	103.209	-253.78	1,081.27	1,110.65	1,064.31	46.34	23.968		
1,739.80	1,739.80	1,720.43	1,720.37	5.14	42.09	103.168	-252.97	1,081.27	1,110.47	1,063.23	47.23	23.511 CC		
1,800.00	1,800.00	1,780.24	1,780.18	5.24	43.34	103.173	-253.07	1,081.27	1,110.49	1,061.91	48.58	22.858		
1,900.00	1,900.00	1,879.60	1,879.54	5.40	45.42	103.191	-253.43	1,081.27	1,110.57	1,059.75	50.82	21.852		
2,000.00	2,000.00	1,980.88	1,980.77	5.56	47.62	103.209	-253.78	1,081.27	1,110.65	1,057.47	53.18	20.885		
2,100.00	2,099.98	2,080.86	2,080.75	5.80	49.93	114.130	-253.78	1,081.27	1,111.36	1,055.71	55.65	19.969		
2,200.00	2,199.84	2,180.72	2,180.61	6.05	52.23	114.336	-253.78	1,081.27	1,113.51	1,055.39	58.12	19.158 ES		
2,300.00	2,299.45	2,279.55	2,279.42	6.31	54.51	114.624	-252.82	1,081.27	1,116.91	1,056.34	60.57	18.441		
2,400.00	2,398.70	2,377.83	2,377.70	6.59	56.78	115.108	-253.28	1,081.27	1,122.18	1,059.18	63.00	17.811		
2,500.00	2,497.47	2,478.50	2,478.24	6.89	59.20	115.733	-253.78	1,081.27	1,129.10	1,063.49	65.60	17.212		
2,600.00	2,595.62	2,576.66	2,576.39	7.21	61.74	116.433	-253.78	1,081.27	1,137.61	1,069.27	68.34	16.647		
2,700.00	2,693.06	2,674.09	2,673.83	7.54	64.28	117.233	-253.78	1,081.27	1,147.98	1,076.91	71.07	16.153		
2,800.00	2,789.64	2,770.07	2,769.77	7.90	66.77	118.010	-251.58	1,081.27	1,159.64	1,085.86	73.78	15.718		
2,900.00	2,885.35	2,863.88	2,863.57	8.18	69.21	119.062	-251.97	1,081.27	1,174.08	1,097.69	76.39	15.370		
3,000.00	2,980.88	2,957.25	2,956.91	8.51	71.63	120.277	-252.81	1,081.27	1,189.54	1,110.49	79.05	15.047		
3,100.00	3,076.41	3,057.64	3,057.18	8.85	74.17	121.552	-253.78	1,081.27	1,205.61	1,123.75	81.86	14.728		
3,200.00	3,171.93	3,153.17	3,152.70	9.22	76.42	122.697	-253.78	1,081.27	1,221.85	1,137.47	84.38	14.480		
3,300.00	3,267.46	3,248.70	3,248.23	9.59	78.68	123.813	-253.78	1,081.27	1,238.59	1,151.66	86.92	14.249		
3,400.00	3,362.99	3,342.17	3,341.69	9.98	80.88	124.833	-252.69	1,081.27	1,255.33	1,165.90	89.43	14.037		
3,500.00	3,458.52	3,435.14	3,434.64	10.38	83.07	125.888	-253.25	1,081.27	1,273.24	1,181.29	91.94	13.848		
3,600.00	3,554.04	3,535.44	3,534.81	10.79	85.43	126.992	-253.78	1,081.27	1,291.56	1,196.93	94.64	13.648		
3,700.00	3,649.57	3,630.96	3,630.34	11.20	87.67	127.997	-253.78	1,081.27	1,310.08	1,212.86	97.22	13.475		
3,800.00	3,745.10	3,726.49	3,725.87	11.63	89.91	128.975	-253.78	1,081.27	1,329.00	1,229.18	99.82	13.314		
3,900.00	3,840.62	3,818.31	3,817.65	12.06	92.06	129.831	-252.19	1,081.27	1,347.50	1,245.17	102.33	13.168		
4,000.00	3,936.15	3,909.63	3,908.95	12.50	94.20	130.746	-252.96	1,081.27	1,367.56	1,262.72	104.84	13.044		
4,100.00	4,031.68	4,013.22	4,012.45	12.94	96.49	131.753	-253.78	1,081.27	1,387.99	1,280.45	107.54	12.907		
4,200.00	4,127.21	4,108.74	4,107.98	13.38	98.41	132.629	-253.78	1,081.27	1,408.35	1,298.49	109.86	12.820		
4,300.00	4,222.73	4,202.67	4,201.90	13.84	100.29	133.441	-253.01	1,081.27	1,428.59	1,316.44	112.15	12.738		
4,400.00	4,318.26	4,294.63	4,293.85	14.29	102.14	134.252	-253.39	1,081.27	1,449.80	1,335.39	114.41	12.672		
4,500.00	4,413.79	4,395.38	4,394.56	14.75	104.27	135.115	-253.78	1,081.27	1,471.29	1,354.32	116.97	12.578		
4,600.00	4,509.32	4,490.91	4,490.09	15.21	106.39	135.899	-253.78	1,081.27	1,492.86	1,373.33	119.52	12.490		
4,700.00	4,604.84	4,586.44	4,585.61	15.68	108.51	136.662	-253.78	1,081.27	1,514.69	1,392.61	122.08	12.407		
4,800.00	4,700.37	4,679.16	4,678.33	16.15	110.57	137.353	-252.83	1,081.27	1,536.20	1,411.63	124.58	12.331		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 405-INC-ONLY												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,900.00	4,795.90	4,771.46	4,770.62	16.62	112.62	138.064	-253.26	1,081.27	1,558.81	1,431.74	127.07	12.267	
5,000.00	4,891.42	4,873.11	4,872.19	17.09	114.96	138.826	-253.78	1,081.27	1,581.70	1,451.83	129.88	12.179	
5,100.00	4,986.95	4,968.64	4,967.72	17.57	117.33	139.508	-253.78	1,081.27	1,604.51	1,471.81	132.71	12.091	
5,200.00	5,082.48	5,064.17	5,063.25	18.05	119.70	140.172	-253.78	1,081.27	1,627.53	1,492.00	135.54	12.008	
5,300.00	5,178.01	5,159.70	5,158.78	18.53	122.07	140.818	-253.78	1,081.27	1,650.77	1,512.39	138.38	11.930	
5,400.00	5,273.53	5,252.62	5,251.68	19.01	124.37	141.384	-252.03	1,081.27	1,673.03	1,531.89	141.14	11.853	
5,500.00	5,369.06	5,344.71	5,343.76	19.49	126.66	141.984	-252.38	1,081.27	1,696.89	1,552.99	143.90	11.793	
5,600.00	5,464.59	5,436.63	5,435.67	19.98	128.94	142.574	-253.00	1,081.27	1,721.13	1,574.48	146.65	11.737	
5,700.00	5,560.11	5,541.94	5,540.88	20.46	131.45	143.232	-253.78	1,081.27	1,745.62	1,595.94	149.67	11.663	
5,800.00	5,655.64	5,637.46	5,636.41	20.95	133.45	143.797	-253.78	1,081.27	1,769.77	1,617.62	152.15	11.632	
5,900.00	5,751.17	5,732.99	5,731.94	21.44	135.44	144.346	-253.78	1,081.27	1,794.08	1,639.45	154.63	11.602	
6,000.00	5,846.70	5,825.07	5,824.01	21.93	137.36	144.841	-252.86	1,081.27	1,817.90	1,660.87	157.03	11.577	
6,100.00	5,942.22	5,916.08	5,915.01	22.42	139.26	145.348	-253.25	1,081.27	1,842.81	1,683.41	159.41	11.560	
6,200.00	6,037.75	6,019.64	6,018.52	22.91	141.43	145.911	-253.78	1,081.27	1,867.94	1,705.84	162.10	11.524	
6,300.00	6,133.28	6,115.17	6,114.05	23.40	143.46	146.406	-253.78	1,081.27	1,892.84	1,728.23	164.62	11.498	
6,400.00	6,228.81	6,210.70	6,209.58	23.90	145.48	146.888	-253.78	1,081.27	1,917.88	1,750.74	167.14	11.475	
6,500.00	6,324.33	6,303.04	6,301.90	24.39	147.44	147.322	-252.76	1,081.27	1,942.29	1,772.70	169.58	11.453	
6,600.00	6,419.86	6,393.89	6,392.75	24.89	149.36	147.766	-253.11	1,081.27	1,967.84	1,795.84	172.00	11.441	
6,700.00	6,515.60	6,497.57	6,496.37	25.37	151.57	148.427	-253.78	1,081.27	1,993.11	1,818.40	174.72	11.408	
6,800.00	6,612.24	6,594.21	6,593.01	25.87	153.78	149.041	-253.78	1,081.27	2,015.28	1,837.85	177.43	11.358	
6,900.00	6,709.71	6,691.68	6,690.48	26.36	156.01	149.562	-253.78	1,081.27	2,034.59	1,854.45	180.13	11.295	
7,000.00	6,807.91	6,787.34	6,786.13	26.83	158.20	149.970	-252.73	1,081.27	2,050.19	1,867.42	182.77	11.218	
7,100.00	6,906.70	6,880.99	6,879.77	27.29	160.34	150.315	-253.04	1,081.27	2,063.88	1,878.56	185.32	11.137	
9,200.00	9,000.20	8,983.01	8,980.97	29.26	213.11	57.161	-253.78	1,081.27	2,064.35	1,824.51	239.84	8.607	
9,300.00	9,089.32	9,072.12	9,070.09	29.27	215.49	60.399	-253.78	1,081.27	2,038.94	1,796.74	242.20	8.418	
9,400.00	9,169.25	9,151.61	9,149.55	29.32	217.62	64.706	-252.17	1,081.27	2,004.98	1,760.58	244.40	8.204	
9,500.00	9,237.56	9,214.54	9,212.48	29.44	219.30	69.803	-252.30	1,081.27	1,967.04	1,720.77	246.27	7.987	
9,600.00	9,292.19	9,264.83	9,262.76	29.66	220.64	75.380	-252.54	1,081.27	1,926.07	1,678.11	247.96	7.768	
9,700.00	9,331.47	9,300.96	9,298.89	30.00	221.61	80.947	-252.81	1,081.27	1,884.32	1,634.85	249.48	7.553	
9,800.00	9,354.20	9,321.84	9,319.76	30.47	222.17	86.003	-252.99	1,081.27	1,843.98	1,593.19	250.78	7.353	
9,900.00	9,360.00	9,327.11	9,325.04	31.06	222.31	89.467	-253.04	1,081.27	1,806.92	1,555.07	251.86	7.174	
10,000.00	9,360.00	9,327.07	9,324.99	31.80	222.31	89.458	-253.04	1,081.27	1,772.36	1,519.44	252.92	7.008	
10,100.00	9,360.00	9,327.06	9,324.98	32.64	222.31	89.452	-253.04	1,081.27	1,739.57	1,485.51	254.05	6.847	
10,200.00	9,360.00	9,327.06	9,324.98	33.59	222.31	89.452	-253.04	1,081.27	1,710.86	1,455.60	255.26	6.702	
10,300.00	9,360.00	9,327.05	9,324.97	34.63	222.31	89.452	-253.04	1,081.27	1,687.61	1,431.08	256.53	6.579	
10,400.00	9,360.00	9,327.05	9,324.97	35.76	222.31	89.452	-253.04	1,081.27	1,670.03	1,412.19	257.83	6.477	
10,500.00	9,360.00	9,327.05	9,324.97	36.98	222.31	89.452	-253.04	1,081.27	1,658.30	1,399.15	259.15	6.399	
10,600.00	9,360.00	9,327.05	9,324.97	38.27	222.31	89.452	-253.04	1,081.27	1,652.55	1,392.10	260.45	6.345	
10,645.16	9,360.00	9,327.04	9,324.97	38.88	222.31	89.452	-253.04	1,081.27	1,651.93	1,390.90	261.03	6.328	
10,700.00	9,360.00	9,327.04	9,324.96	39.62	222.31	89.452	-253.04	1,081.27	1,652.84	1,391.13	261.71	6.316	
10,800.00	9,360.00	9,327.04	9,324.96	41.03	222.31	89.452	-253.04	1,081.27	1,659.17	1,396.26	262.91	6.311 SF	
10,900.00	9,360.00	9,327.04	9,324.96	42.50	222.31	89.452	-253.04	1,081.27	1,671.48	1,407.45	264.03	6.331	
11,000.00	9,360.00	9,327.03	9,324.96	44.01	222.31	89.451	-253.04	1,081.27	1,689.61	1,424.56	265.05	6.375	
11,100.00	9,360.00	9,327.03	9,324.95	45.57	222.31	89.451	-253.04	1,081.27	1,713.41	1,447.44	265.97	6.442	
11,200.00	9,360.00	9,327.03	9,324.95	47.17	222.31	89.451	-253.04	1,081.27	1,742.62	1,475.84	266.78	6.532	
11,300.00	9,360.00	9,327.03	9,324.95	48.80	222.31	89.451	-253.04	1,081.27	1,776.99	1,509.51	267.48	6.643	
11,400.00	9,360.00	9,327.02	9,324.95	50.47	222.31	89.451	-253.04	1,081.27	1,816.22	1,548.14	268.08	6.775	
11,500.00	9,360.00	9,327.02	9,324.94	52.16	222.31	89.451	-253.04	1,081.27	1,860.01	1,591.43	268.58	6.925	
11,600.00	9,360.00	9,327.02	9,324.94	53.88	222.31	89.451	-253.04	1,081.27	1,908.04	1,639.06	268.98	7.094	
11,700.00	9,360.00	9,327.02	9,324.94	55.63	222.31	89.451	-253.04	1,081.27	1,959.99	1,690.69	269.30	7.278	
11,800.00	9,360.00	9,327.01	9,324.94	57.39	222.31	89.451	-253.04	1,081.27	2,015.57	1,746.03	269.54	7.478	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 452-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		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)			
18,500.00	9,360.00	9,360.32	9,358.77	190.22	223.50	90.000	-239.31	10,121.08	2,043.28	1,663.19	380.08	5.376	
18,600.00	9,360.00	9,360.32	9,358.77	192.27	223.50	90.000	-239.31	10,121.08	1,986.95	1,600.91	386.04	5.147	
18,700.00	9,360.00	9,360.32	9,358.77	194.31	223.50	90.000	-239.31	10,121.08	1,934.16	1,542.11	392.05	4.933	
18,800.00	9,360.00	9,360.32	9,358.77	196.36	223.50	90.000	-239.31	10,121.08	1,885.20	1,487.15	398.05	4.736	
18,900.00	9,360.00	9,360.32	9,358.77	198.41	223.50	90.000	-239.31	10,121.08	1,840.38	1,436.40	403.98	4.556	
19,000.00	9,360.00	9,360.32	9,358.77	200.45	223.50	90.000	-239.31	10,121.08	1,800.00	1,390.25	409.75	4.393	
19,100.00	9,360.00	9,360.32	9,358.77	202.50	223.50	90.000	-239.31	10,121.08	1,764.37	1,349.09	415.28	4.249	
19,200.00	9,360.00	9,360.32	9,358.77	204.55	223.50	90.000	-239.31	10,121.08	1,733.79	1,313.31	420.47	4.123	
19,300.00	9,360.00	9,360.32	9,358.77	206.60	223.50	90.000	-239.31	10,121.08	1,708.51	1,283.28	425.24	4.018	
19,400.00	9,360.00	9,360.32	9,358.77	208.65	223.50	90.000	-239.31	10,121.08	1,688.79	1,259.32	429.47	3.932	
19,500.00	9,360.00	9,360.32	9,358.77	210.70	223.50	90.000	-239.31	10,121.08	1,674.82	1,241.72	433.10	3.867	
19,600.00	9,360.00	9,360.32	9,358.77	212.75	223.50	90.000	-239.31	10,121.08	1,666.74	1,230.69	436.05	3.822	
19,684.98	9,360.00	9,360.32	9,358.77	214.49	223.50	90.000	-239.31	10,121.08	1,664.57	1,226.60	437.98	3.801 CC	
19,700.00	9,360.00	9,360.32	9,358.77	214.80	223.50	90.000	-239.31	10,121.08	1,664.64	1,226.38	438.26	3.798 ES	
19,800.00	9,360.00	9,360.32	9,358.77	216.85	223.50	90.000	-239.31	10,121.08	1,668.54	1,228.83	439.71	3.795 SF	
19,900.00	9,360.00	9,360.32	9,358.77	218.90	223.50	90.000	-239.31	10,121.08	1,678.40	1,238.01	440.40	3.811	
20,000.00	9,360.00	9,360.32	9,358.77	220.95	223.50	90.000	-239.31	10,121.08	1,694.12	1,253.79	440.33	3.847	
20,100.00	9,360.00	9,360.32	9,358.77	223.00	223.50	90.000	-239.31	10,121.08	1,715.53	1,275.97	439.56	3.903	
20,200.00	9,360.00	9,360.32	9,358.77	225.05	223.50	90.000	-239.31	10,121.08	1,742.43	1,304.29	438.14	3.977	
20,300.00	9,360.00	9,360.32	9,358.77	227.11	223.50	90.000	-239.31	10,121.08	1,774.56	1,338.41	436.15	4.069	
20,400.00	9,360.00	9,360.32	9,358.77	229.16	223.50	90.000	-239.31	10,121.08	1,811.65	1,377.99	433.66	4.178	
20,500.00	9,360.00	9,360.32	9,358.77	231.21	223.50	90.000	-239.31	10,121.08	1,853.39	1,422.64	430.76	4.303	
20,600.00	9,360.00	9,360.32	9,358.77	233.26	223.50	90.000	-239.31	10,121.08	1,899.49	1,471.96	427.53	4.443	
20,700.00	9,360.00	9,360.32	9,358.77	235.32	223.50	90.000	-239.31	10,121.08	1,949.63	1,525.59	424.04	4.598	
20,800.00	9,360.00	9,360.32	9,358.77	237.37	223.50	90.000	-239.31	10,121.08	2,003.52	1,583.14	420.38	4.766	
20,900.00	9,360.00	9,360.32	9,358.77	239.43	223.50	90.000	-239.31	10,121.08	2,060.85	1,644.26	416.59	4.947	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	-108.401	-257.86	-775.10	816.87					
100.00	100.00	97.77	97.77	0.79	1.87	-108.401	-257.86	-775.10	816.87	814.21	2.66	307.462		
200.00	200.00	197.77	197.77	1.45	3.78	-108.401	-257.86	-775.10	816.87	811.64	5.23	156.156		
300.00	300.00	297.77	297.77	1.89	5.74	-108.401	-257.86	-775.10	816.87	809.23	7.63	106.995		
347.74	347.74	345.51	345.51	2.06	6.68	-108.392	-257.72	-775.10	816.82	808.08	8.75	93.379		
400.00	400.00	397.54	397.54	2.25	7.71	-108.393	-257.74	-775.10	816.83	806.87	9.96	82.002		
500.00	500.00	497.77	497.77	2.57	9.84	-108.401	-257.86	-775.10	816.87	804.46	12.41	65.819		
600.00	600.00	597.77	597.77	2.85	12.47	-108.401	-257.86	-775.10	816.87	801.55	15.32	53.335		
700.00	700.00	697.77	697.77	3.11	15.09	-108.401	-257.86	-775.10	816.87	798.67	18.20	44.889		
738.85	738.85	736.55	736.55	3.20	16.11	-108.385	-257.61	-775.10	816.79	797.48	19.31	42.303		
800.00	800.00	797.55	797.55	3.35	17.71	-108.387	-257.65	-775.10	816.80	795.75	21.06	38.793		
900.00	900.00	897.31	897.31	3.58	20.32	-108.396	-257.78	-775.10	816.84	792.94	23.90	34.180		
1,000.00	1,000.00	997.78	997.77	3.79	22.76	-108.401	-257.86	-775.10	816.87	790.32	26.55	30.765		
1,100.00	1,100.00	1,097.78	1,097.77	3.99	25.06	-108.401	-257.86	-775.10	816.87	787.82	29.05	28.118		
1,193.91	1,193.91	1,191.68	1,191.66	4.18	27.21	-108.365	-257.32	-775.10	816.70	785.31	31.39	26.018 CC		
1,200.00	1,200.00	1,197.74	1,197.72	4.19	27.35	-108.365	-257.32	-775.10	816.70	785.16	31.54	25.893		
1,300.00	1,300.00	1,297.30	1,297.28	4.38	29.63	-108.372	-257.42	-775.10	816.73	782.72	34.01	24.012		
1,400.00	1,400.00	1,396.86	1,396.84	4.56	31.92	-108.390	-257.70	-775.10	816.82	780.34	36.48	22.390		
1,500.00	1,500.00	1,497.81	1,497.77	4.74	33.84	-108.401	-257.86	-775.10	816.87	778.28	38.58	21.172		
1,562.68	1,562.68	1,560.49	1,560.45	4.85	34.87	-108.375	-257.46	-775.10	816.74	777.02	39.72	20.563		
1,600.00	1,600.00	1,597.31	1,597.26	4.91	35.48	-108.377	-257.50	-775.10	816.75	776.36	40.39	20.223		
1,700.00	1,700.00	1,697.83	1,697.77	5.08	37.15	-108.401	-257.86	-775.10	816.87	774.64	42.23	19.344		
1,800.00	1,800.00	1,797.83	1,797.77	5.24	38.94	-108.401	-257.86	-775.10	816.87	772.68	44.19	18.487		
1,833.15	1,833.15	1,830.90	1,830.83	5.30	39.54	-108.371	-257.40	-775.10	816.72	771.89	44.83	18.218		
1,900.00	1,900.00	1,896.96	1,896.89	5.40	40.72	-108.379	-257.53	-775.10	816.76	770.64	46.12	17.708		
2,000.00	2,000.00	1,997.87	1,997.77	5.56	42.88	-108.401	-257.86	-775.10	816.87	768.43	48.44	16.865		
2,100.00	2,099.98	2,097.85	2,097.75	5.80	45.69	-97.666	-257.86	-775.10	817.10	765.69	51.41	15.895		
2,200.00	2,199.84	2,197.71	2,197.61	6.05	48.50	-98.015	-257.86	-775.10	817.81	763.45	54.37	15.042		
2,300.00	2,299.45	2,297.01	2,296.90	6.31	51.30	-98.506	-256.60	-775.10	818.66	761.35	57.31	14.284		
2,400.00	2,398.70	2,395.44	2,395.32	6.59	54.07	-99.312	-256.86	-775.10	820.65	760.42	60.23	13.625		
2,500.00	2,497.47	2,493.30	2,493.17	6.89	56.83	-100.341	-257.40	-775.10	823.55	760.41	63.14	13.043 ES		
2,600.00	2,595.62	2,593.74	2,593.39	7.21	59.50	-101.599	-257.86	-775.10	827.42	761.46	65.96	12.543		
2,700.00	2,693.06	2,691.24	2,690.83	7.54	61.86	-102.983	-257.86	-775.10	832.33	763.84	68.50	12.151		
2,800.00	2,789.64	2,783.30	2,782.86	7.90	64.11	-104.424	-257.52	-775.10	838.56	767.64	70.92	11.824		
2,900.00	2,885.35	2,879.73	2,879.21	8.18	66.38	-106.170	-257.58	-775.10	846.58	773.24	73.34	11.543		
3,000.00	2,980.88	2,977.69	2,977.13	8.51	68.64	-108.037	-257.49	-775.10	855.62	779.81	75.81	11.286		
3,100.00	3,076.41	3,074.78	3,074.18	8.85	70.92	-109.873	-257.86	-775.10	865.82	787.49	78.33	11.053		
3,200.00	3,171.93	3,170.36	3,169.70	9.22	73.20	-111.621	-257.86	-775.10	876.72	795.85	80.87	10.841		
3,300.00	3,267.46	3,265.93	3,265.23	9.59	75.47	-113.328	-257.86	-775.10	888.48	805.07	83.41	10.652		
3,400.00	3,362.99	3,358.86	3,358.15	9.98	77.76	-114.924	-257.40	-775.10	900.78	814.79	85.98	10.476		
3,500.00	3,458.52	3,452.64	3,451.86	10.38	80.07	-116.527	-257.66	-775.10	914.28	825.68	88.60	10.319		
3,600.00	3,554.04	3,550.69	3,549.87	10.79	82.23	-118.137	-257.46	-775.10	928.25	837.16	91.09	10.190		
3,700.00	3,649.57	3,648.18	3,647.34	11.20	84.22	-119.717	-257.86	-775.10	943.33	849.91	93.42	10.098		
3,800.00	3,745.10	3,738.84	3,738.00	11.63	85.95	-121.123	-257.77	-775.10	958.78	863.28	95.50	10.039		
3,900.00	3,840.62	3,839.25	3,838.39	12.06	87.89	-122.642	-257.86	-775.10	974.99	877.17	97.82	9.967		
4,000.00	3,936.15	3,934.77	3,933.92	12.50	89.73	-124.037	-257.86	-775.10	991.76	891.71	100.05	9.913		
4,100.00	4,031.68	4,029.16	4,028.30	12.94	91.56	-125.345	-257.16	-775.10	1,008.61	906.34	102.27	9.863		
4,200.00	4,127.21	4,122.57	4,121.70	13.38	93.36	-126.634	-257.43	-775.10	1,026.73	922.25	104.48	9.827		
4,300.00	4,222.73	4,221.38	4,220.50	13.84	95.24	-127.958	-257.86	-775.10	1,045.49	938.71	106.78	9.791		
4,400.00	4,318.26	4,316.91	4,316.03	14.29	96.92	-129.179	-257.86	-775.10	1,064.45	955.55	108.90	9.775		
4,500.00	4,413.79	4,412.44	4,411.56	14.75	98.61	-130.360	-257.86	-775.10	1,083.87	972.85	111.02	9.763		
4,600.00	4,509.32	4,506.57	4,505.69	15.21	100.27	-131.471	-257.44	-775.10	1,103.41	990.28	113.13	9.754		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,700.00	4,604.84	4,600.38	4,599.50	15.68	101.92	-132.562	-257.67	-775.10	1,123.90	1,008.67	115.23	9.753		
4,800.00	4,700.37	4,699.03	4,698.14	16.15	103.61	-133.667	-257.86	-775.10	1,144.76	1,027.38	117.39	9.752		
4,900.00	4,795.90	4,794.48	4,793.59	16.62	105.19	-134.690	-257.71	-775.10	1,165.73	1,046.29	119.44	9.760		
5,000.00	4,891.42	4,888.53	4,887.64	17.09	106.74	-135.670	-257.79	-775.10	1,187.24	1,065.78	121.46	9.774		
5,100.00	4,986.95	4,985.62	4,984.72	17.57	108.52	-136.646	-257.86	-775.10	1,209.10	1,085.38	123.72	9.773		
5,200.00	5,082.48	5,081.14	5,080.25	18.05	110.39	-137.572	-257.86	-775.10	1,231.22	1,105.14	126.08	9.766		
5,300.00	5,178.01	5,175.39	5,174.49	18.53	112.23	-138.446	-257.47	-775.10	1,253.31	1,124.90	128.41	9.760		
5,400.00	5,273.53	5,268.54	5,267.64	19.01	114.05	-139.293	-257.68	-775.10	1,276.21	1,145.50	130.71	9.763		
5,500.00	5,369.06	5,367.76	5,366.83	19.49	116.10	-140.164	-257.86	-775.10	1,299.36	1,166.09	133.27	9.750		
5,600.00	5,464.59	5,463.29	5,462.36	19.98	118.17	-140.971	-257.86	-775.10	1,322.62	1,186.78	135.84	9.737		
5,700.00	5,560.11	5,558.25	5,557.31	20.46	120.23	-141.727	-256.87	-775.10	1,345.23	1,206.83	138.40	9.720		
5,800.00	5,655.64	5,649.48	5,648.54	20.95	122.20	-142.451	-257.07	-775.10	1,369.15	1,228.29	140.86	9.720		
5,900.00	5,751.17	5,740.53	5,739.58	21.44	124.18	-143.156	-257.58	-775.10	1,393.60	1,250.27	143.33	9.723		
6,000.00	5,846.70	5,845.47	5,844.47	21.93	126.47	-143.936	-257.86	-775.10	1,418.00	1,271.84	146.16	9.702		
6,100.00	5,942.22	5,940.99	5,939.99	22.42	128.56	-144.617	-257.86	-775.10	1,442.37	1,293.61	148.76	9.696		
6,200.00	6,037.75	6,035.76	6,034.75	22.91	130.63	-145.255	-256.80	-775.10	1,465.96	1,314.61	151.35	9.686		
6,300.00	6,133.28	6,126.81	6,125.79	23.40	132.63	-145.867	-257.00	-775.10	1,490.89	1,337.06	153.84	9.691		
6,400.00	6,228.81	6,217.68	6,216.66	23.90	134.62	-146.464	-257.49	-775.10	1,516.29	1,359.97	156.32	9.700		
6,500.00	6,324.33	6,323.18	6,322.10	24.39	137.00	-147.131	-257.86	-775.10	1,541.69	1,382.43	159.26	9.680		
6,600.00	6,419.86	6,418.71	6,417.63	24.89	139.22	-147.710	-257.86	-775.10	1,566.93	1,404.94	162.00	9.673		
6,700.00	6,515.60	6,513.60	6,512.52	25.37	141.42	-148.415	-256.85	-775.10	1,590.75	1,426.06	164.70	9.659		
6,800.00	6,612.24	6,605.04	6,603.95	25.87	143.54	-149.103	-257.06	-775.10	1,613.13	1,445.82	167.31	9.642		
6,900.00	6,709.71	6,697.13	6,696.04	26.36	145.68	-149.692	-257.58	-775.10	1,632.99	1,463.08	169.91	9.611		
7,000.00	6,807.91	6,806.87	6,805.68	26.83	148.16	-150.233	-257.86	-775.10	1,649.65	1,476.75	172.90	9.541		
7,100.00	6,906.70	6,903.14	6,901.93	27.29	150.31	-150.614	-256.88	-775.10	1,662.20	1,486.72	175.48	9.472		
7,200.00	7,005.97	6,990.51	6,989.29	27.72	152.26	-150.904	-257.35	-775.10	1,673.19	1,495.41	177.79	9.411		
7,300.00	7,105.61	7,104.64	7,103.38	28.11	154.77	-151.147	-257.86	-775.10	1,681.09	1,500.36	180.73	9.302		
7,400.00	7,205.47	7,204.50	7,203.24	28.47	156.95	-151.273	-257.86	-775.10	1,685.51	1,502.28	183.23	9.199		
7,500.00	7,305.46	7,303.36	7,302.09	28.62	159.10	-162.152	-256.79	-775.10	1,685.86	1,500.34	185.52	9.087		
7,600.00	7,405.46	7,398.00	7,396.72	28.70	161.16	-162.154	-257.02	-775.10	1,686.09	1,498.44	187.64	8.986		
7,700.00	7,505.46	7,492.65	7,491.36	28.74	163.23	-162.160	-257.56	-775.10	1,686.63	1,496.90	189.73	8.890		
7,800.00	7,605.46	7,604.56	7,603.23	28.78	165.84	-162.163	-257.86	-775.10	1,686.88	1,494.44	192.44	8.766		
7,900.00	7,705.46	7,704.56	7,703.23	28.82	168.26	-162.163	-257.86	-775.10	1,686.88	1,491.97	194.90	8.655		
7,972.94	7,778.39	7,777.36	7,776.01	28.86	170.02	-162.152	-256.79	-775.10	1,685.86	1,489.17	196.69	8.571		
8,000.00	7,805.46	7,802.96	7,801.62	28.87	170.64	-162.152	-256.81	-775.10	1,685.87	1,488.55	197.32	8.544		
8,100.00	7,905.46	7,897.57	7,896.22	28.91	172.93	-162.155	-257.06	-775.10	1,686.13	1,486.50	199.63	8.446		
8,200.00	8,005.46	7,992.19	7,990.83	28.95	175.21	-162.161	-257.63	-775.10	1,686.71	1,484.76	201.94	8.352		
8,300.00	8,105.46	8,104.71	8,103.23	29.00	178.30	-162.163	-257.86	-775.10	1,686.88	1,481.75	205.13	8.224		
8,400.00	8,205.46	8,204.71	8,203.23	29.04	181.15	-162.163	-257.86	-775.10	1,686.88	1,478.85	208.02	8.109		
8,465.15	8,270.60	8,269.85	8,268.34	29.07	183.01	-162.143	-255.95	-775.10	1,685.06	1,475.15	209.91	8.028		
8,500.00	8,305.46	8,301.61	8,300.09	29.08	183.91	-162.143	-255.99	-775.10	1,685.09	1,474.27	210.82	7.993		
8,600.00	8,405.46	8,392.73	8,391.20	29.12	186.51	-162.148	-256.42	-775.10	1,685.54	1,472.11	213.43	7.897		
8,700.00	8,505.46	8,483.87	8,482.32	29.17	189.11	-162.158	-257.35	-775.10	1,686.52	1,470.49	216.04	7.807		
8,800.00	8,605.46	8,605.01	8,603.23	29.21	192.57	-162.163	-257.86	-775.10	1,686.88	1,467.25	219.63	7.681		
8,900.00	8,705.46	8,705.01	8,703.23	29.26	195.42	-162.163	-257.86	-775.10	1,686.88	1,464.35	222.53	7.581		
8,950.08	8,755.54	8,755.07	8,753.23	29.27	196.85	112.041	-255.56	-775.10	1,684.83	1,460.87	223.97	7.523		
9,000.00	8,805.45	8,799.11	8,797.27	29.29	198.10	112.023	-255.64	-775.10	1,684.88	1,459.66	225.23	7.481		
9,100.00	8,904.61	8,886.63	8,884.76	29.27	200.60	111.862	-256.28	-775.10	1,690.07	1,462.31	227.77	7.420		
9,200.00	9,000.20	9,000.05	8,997.97	29.26	203.81	111.780	-257.86	-775.10	1,702.72	1,471.61	231.10	7.368 SF		
9,300.00	9,089.32	9,076.68	9,074.59	29.27	205.80	111.108	-257.54	-775.10	1,720.78	1,487.73	233.06	7.384		
9,400.00	9,169.25	9,169.14	9,167.02	29.32	208.20	110.340	-257.86	-775.10	1,746.89	1,511.39	235.50	7.418		
9,500.00	9,237.56	9,237.46	9,235.33	29.44	209.98	108.583	-257.86	-775.10	1,780.54	1,543.29	237.25	7.505		

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,600.00	9,292.19	9,292.09	9,289.96	29.66	211.40	105.750	-257.86	-775.10	1,821.98	1,583.33	238.65	7.634	
9,700.00	9,331.47	9,331.36	9,329.24	30.00	212.42	101.560	-257.86	-775.10	1,870.75	1,631.09	239.66	7.806	
9,800.00	9,354.20	9,352.74	9,350.58	30.47	212.97	95.778	-256.07	-775.10	1,924.31	1,684.10	240.21	8.011	
9,900.00	9,360.00	9,357.97	9,355.81	31.06	213.11	89.929	-256.08	-775.10	1,984.15	1,743.82	240.33	8.256	
10,000.00	9,360.00	9,357.97	9,355.81	31.80	213.11	89.930	-256.08	-775.10	2,045.47	1,805.11	240.37	8.510	



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3726.23usft

Offset Depths are relative to Offset Datum

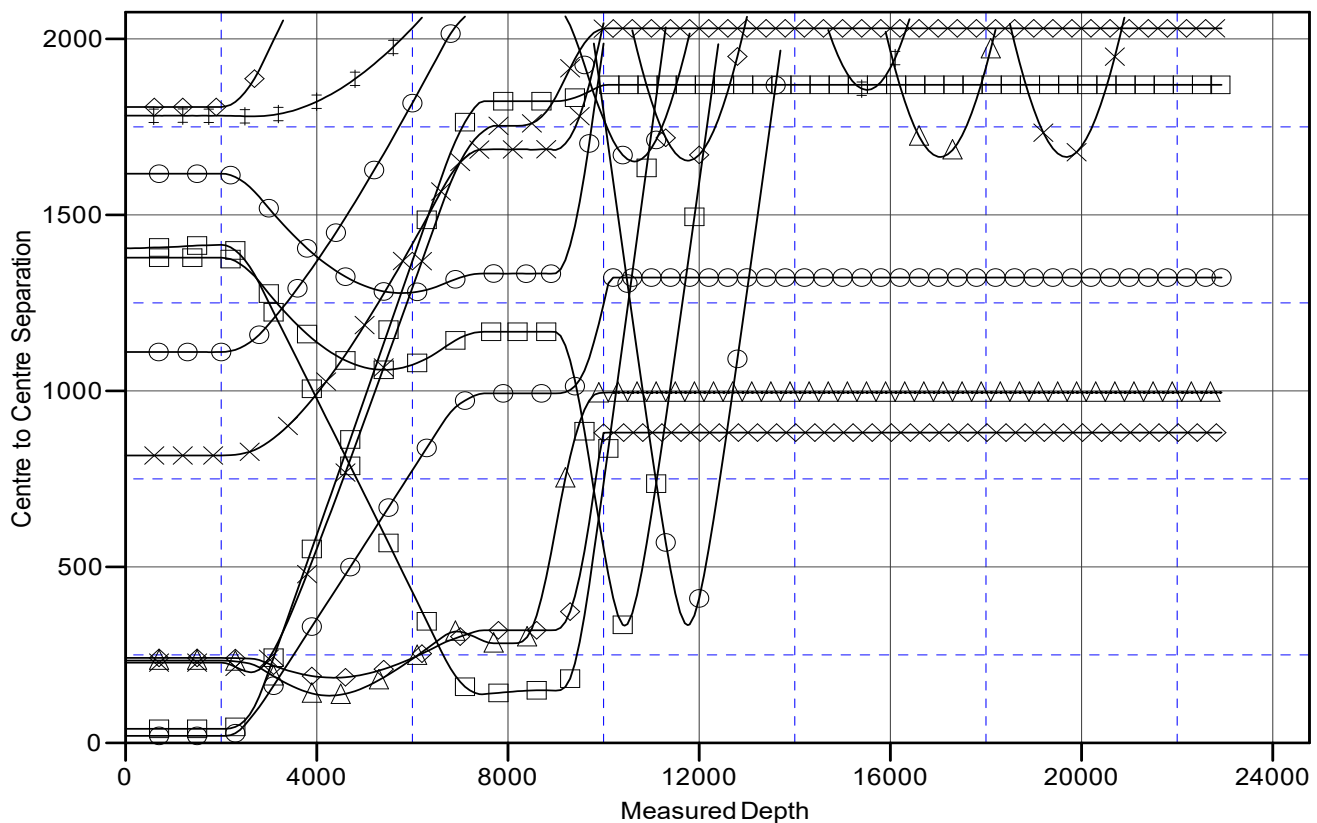
Central Meridian is -104.33333334

Coordinates are relative to: (03) Bond 32-34 FED COM 201H

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

Grid Convergence at Surface is: 0.294°

Ladder Plot



LEGEND

(01) Bond 32-34 FED COM 209H, 205H, Plan 2 V0	(W14) KEELA FEDERAL 003, 33340, (Inc Only) V0	(W01) INLUSK 32 STATE 001, 35747, (Geo) V0
(02) Bond 32-34 FED COM 301H, 301H, Plan 2 V0	(W17) MAX STATE 001, 29754, (Inc Only) V0	(W11) HULKSTER 004, 39571, (Inc Only) V0
(03) Bond 32-34 FED COM #103H, #103H, Plan 1 V0	(W16) LEAR STATE SVD 003, 26703, (Inc Only) V0	(W18) MCKAY WEST FEDERAL 001, 24931, (Inc Only) V0
(01) Bond 32-34 FED COM #303H, #303H, Plan 1 V0	(W12) HULKSTER 005, 39572, (Inc Only) V0	(W05) GULF FEDERAL 002, 26310, (Inc Only) V0
(02) Bond 32-34 FED COM #101H, #101H, Plan 1 V0	(W10) HULKSTER 003, 39570, (Inc Only) V0	(W09) HULKSTER 002, 39844, (Inc Only) V0
(W22) WATKINS 32 STATE 001, 31735, (Inc Only) V0	(W08) HULKSTER 001, 38446, (Inc Only) V0	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3726.23usft
Reference Site:	Bond North Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3726.23usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	201H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3726.23usft

Offset Depths are relative to Offset Datum

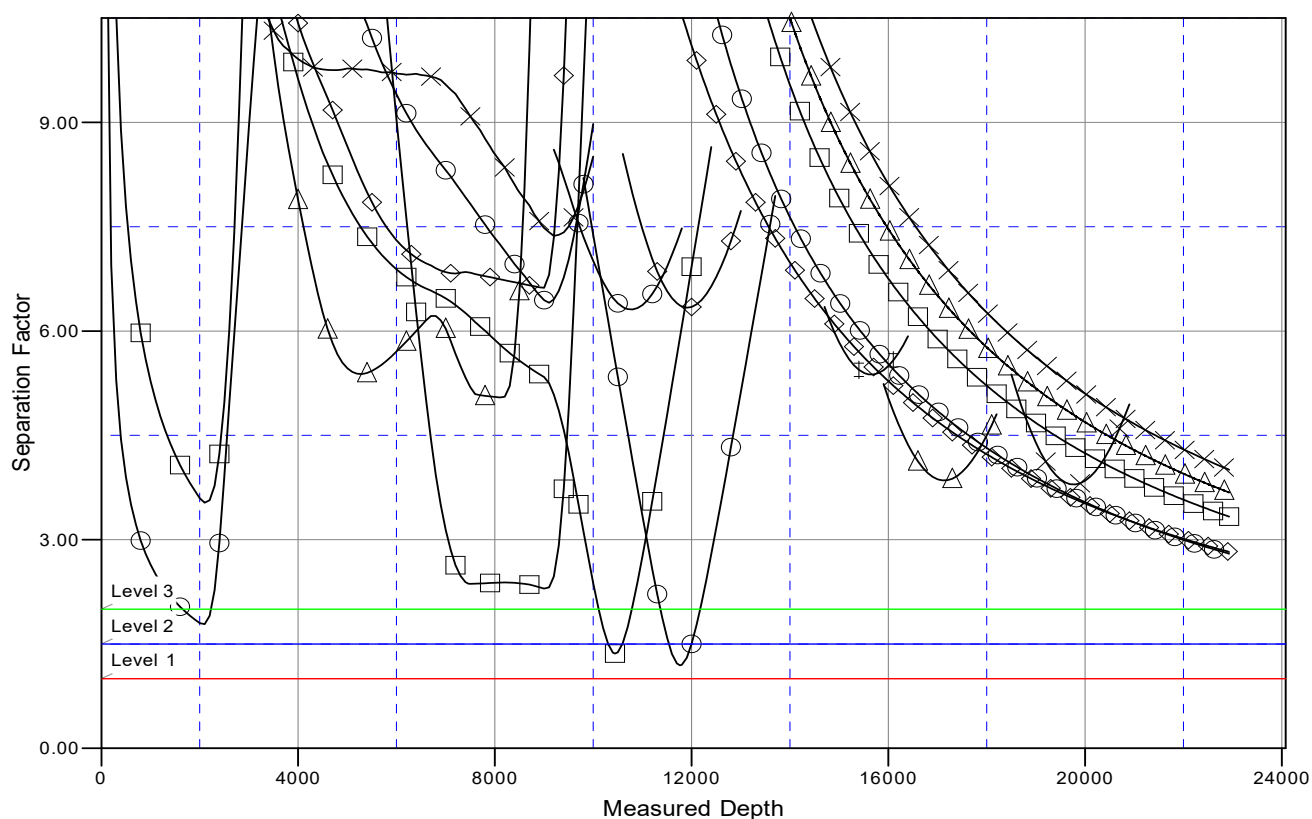
Central Meridian is -104.33333334

Coordinates are relative to: (03) Bond 32-34 FED COM 201H

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

Grid Convergence at Surface is: 0.294°

Separation Factor Plot



LEGEND

(01) Bond 32-34 FED COM 201H, 205H, Plan 2 V0	(W14) KEEL A FEDERAL 003, 3330, (Inc Only) V0	(W01) N LUSK 32 STATE 001, 35747, (Oro) V0
(02) Bond 32-34 FED COM 301H, 301H, Plan 2 V0	(W17) MAX STATE 001, 26754, (Inc Only) V0	(W11) HULKSTER 004, 39571, (Inc Only) V0
(03) Bond 32-34 FED COM #109H, #103H, Plan 1 V0	(W16) LEAR STATE SVD 003, 26703, (Inc Only) V0	(W18) MCKAY WEST FEDERAL 001, 24931, (Inc Only) V0
(01) Bond 32-34 FED COM #303H, #303H, Plan 1 V0	(W12) HULKSTER 005, 39572, (Inc Only) V0	(W05) GULF FEDERAL 002, 26310, (Inc Only) V0
(02) Bond 32-34 FED COM #101H, #101H, Plan 1 V0	(W10) HULKSTER 003, 39570, (Inc Only) V0	(W09) HULKSTER 002, 38844, (Inc Only) V0
(W22) WATKINS 32 STATE 001, 31735, (Inc Only) V0	(W08) HULKSTER 001, 38446, (Inc Only) V0	

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



PBEX

**Lea County, NM (N83 - NME)
Bond North Pad - Phase 1
(03) Bond 32-34 FED COM 201H
TBD
201H**

Plan: Plan 2

Standard Planning Report

03 December, 2025

DIXON



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3726.23usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3726.23usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	201H		
Design:	Plan 2		

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

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

Well	(03) Bond 32-34 FED COM 201H					
Well Position	+N/-S	0.00 usft	Northing:	621,199.65 usft	Latitude:	32.70653884
	+E/-W	0.00 usft	Easting:	708,711.47 usft	Longitude:	-103.78918590
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,695.73 usft
Grid Convergence:	0.294 °					

Wellbore	201H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/3/2025	6.351	60.144	47,228.17725935

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

Plan Survey Tool Program	Date	12/3/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	22,928.71 Plan 2 (201H)	MWD+IFR1		
			OWSG MWD + IFR1		



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Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	201H		
Design:	Plan 2		

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	
2,860.06	17.20	349.15	2,847.20	125.84	-24.12	2.00	2.00	0.00	349.148	
6,634.49	17.20	349.15	6,452.80	1,222.09	-234.27	0.00	0.00	0.00	0.000	
7,494.54	0.00	85.83	7,300.00	1,347.93	-258.39	2.00	-2.00	0.00	180.000	
8,981.59	0.00	85.83	8,787.04	1,347.93	-258.39	0.00	0.00	0.00	0.000	
9,881.59	90.00	85.83	9,360.00	1,389.59	313.05	10.00	10.00	0.00	0.000	
10,081.71	90.00	89.83	9,360.00	1,397.16	512.98	2.00	0.00	0.00	90.000	
22,928.71	90.00	89.83	9,360.00	1,434.74	13,359.93	0.00	0.00	0.00	0.000	PBHL - v1 - (03) Bonc

Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3726.23usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3726.23usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	201H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,100.00	2.00	349.15	2,099.98	1.71	-0.33	-0.32	2.00	2.00	0.00
2,200.00	4.00	349.15	2,199.84	6.85	-1.31	-1.29	2.00	2.00	0.00
2,300.00	6.00	349.15	2,299.45	15.41	-2.95	-2.91	2.00	2.00	0.00
2,400.00	8.00	349.15	2,398.70	27.38	-5.25	-5.17	2.00	2.00	0.00
2,500.00	10.00	349.15	2,497.47	42.74	-8.19	-8.07	2.00	2.00	0.00
2,600.00	12.00	349.15	2,595.62	61.48	-11.79	-11.60	2.00	2.00	0.00
2,700.00	14.00	349.15	2,693.06	83.57	-16.02	-15.77	2.00	2.00	0.00
2,800.00	16.00	349.15	2,789.64	108.99	-20.89	-20.57	2.00	2.00	0.00
2,860.06	17.20	349.15	2,847.20	125.84	-24.12	-23.75	2.00	2.00	0.00
Start 3774.43 hold at 2860.06 MD									
2,900.00	17.20	349.15	2,885.35	137.44	-26.35	-25.94	0.00	0.00	0.00
3,000.00	17.20	349.15	2,980.88	166.49	-31.92	-31.42	0.00	0.00	0.00
3,100.00	17.20	349.15	3,076.41	195.53	-37.48	-36.90	0.00	0.00	0.00
3,200.00	17.20	349.15	3,171.93	224.58	-43.05	-42.38	0.00	0.00	0.00
3,300.00	17.20	349.15	3,267.46	253.62	-48.62	-47.87	0.00	0.00	0.00
3,400.00	17.20	349.15	3,362.99	282.66	-54.19	-53.35	0.00	0.00	0.00
3,500.00	17.20	349.15	3,458.52	311.71	-59.75	-58.83	0.00	0.00	0.00
3,600.00	17.20	349.15	3,554.04	340.75	-65.32	-64.31	0.00	0.00	0.00
3,700.00	17.20	349.15	3,649.57	369.80	-70.89	-69.79	0.00	0.00	0.00
3,800.00	17.20	349.15	3,745.10	398.84	-76.46	-75.27	0.00	0.00	0.00
3,900.00	17.20	349.15	3,840.62	427.88	-82.02	-80.75	0.00	0.00	0.00
4,000.00	17.20	349.15	3,936.15	456.93	-87.59	-86.24	0.00	0.00	0.00
4,100.00	17.20	349.15	4,031.68	485.97	-93.16	-91.72	0.00	0.00	0.00
4,200.00	17.20	349.15	4,127.21	515.02	-98.73	-97.20	0.00	0.00	0.00
4,300.00	17.20	349.15	4,222.73	544.06	-104.29	-102.68	0.00	0.00	0.00
4,400.00	17.20	349.15	4,318.26	573.10	-109.86	-108.16	0.00	0.00	0.00
4,500.00	17.20	349.15	4,413.79	602.15	-115.43	-113.64	0.00	0.00	0.00
4,600.00	17.20	349.15	4,509.32	631.19	-121.00	-119.12	0.00	0.00	0.00
4,700.00	17.20	349.15	4,604.84	660.24	-126.56	-124.61	0.00	0.00	0.00
4,800.00	17.20	349.15	4,700.37	689.28	-132.13	-130.09	0.00	0.00	0.00
4,900.00	17.20	349.15	4,795.90	718.32	-137.70	-135.57	0.00	0.00	0.00
5,000.00	17.20	349.15	4,891.42	747.37	-143.27	-141.05	0.00	0.00	0.00

Dixon Directional
Planning Report



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Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3726.23usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	201H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.00	17.20	349.15	4,986.95	776.41	-148.84	-146.53	0.00	0.00	0.00
5,200.00	17.20	349.15	5,082.48	805.45	-154.40	-152.01	0.00	0.00	0.00
5,300.00	17.20	349.15	5,178.01	834.50	-159.97	-157.49	0.00	0.00	0.00
5,400.00	17.20	349.15	5,273.53	863.54	-165.54	-162.97	0.00	0.00	0.00
5,500.00	17.20	349.15	5,369.06	892.59	-171.11	-168.46	0.00	0.00	0.00
5,600.00	17.20	349.15	5,464.59	921.63	-176.67	-173.94	0.00	0.00	0.00
5,700.00	17.20	349.15	5,560.11	950.67	-182.24	-179.42	0.00	0.00	0.00
5,800.00	17.20	349.15	5,655.64	979.72	-187.81	-184.90	0.00	0.00	0.00
5,900.00	17.20	349.15	5,751.17	1,008.76	-193.38	-190.38	0.00	0.00	0.00
6,000.00	17.20	349.15	5,846.70	1,037.81	-198.94	-195.86	0.00	0.00	0.00
6,100.00	17.20	349.15	5,942.22	1,066.85	-204.51	-201.34	0.00	0.00	0.00
6,200.00	17.20	349.15	6,037.75	1,095.89	-210.08	-206.83	0.00	0.00	0.00
6,300.00	17.20	349.15	6,133.28	1,124.94	-215.65	-212.31	0.00	0.00	0.00
6,400.00	17.20	349.15	6,228.81	1,153.98	-221.21	-217.79	0.00	0.00	0.00
6,500.00	17.20	349.15	6,324.33	1,183.03	-226.78	-223.27	0.00	0.00	0.00
6,600.00	17.20	349.15	6,419.86	1,212.07	-232.35	-228.75	0.00	0.00	0.00
6,634.49	17.20	349.15	6,452.80	1,222.09	-234.27	-230.64	0.00	0.00	0.00
Start Drop -2.00									
6,700.00	15.89	349.15	6,515.60	1,240.41	-237.78	-234.10	2.00	-2.00	0.00
6,800.00	13.89	349.15	6,612.24	1,265.65	-242.62	-238.86	2.00	-2.00	0.00
6,900.00	11.89	349.15	6,709.71	1,287.56	-246.82	-243.00	2.00	-2.00	0.00
7,000.00	9.89	349.15	6,807.91	1,306.11	-250.38	-246.50	2.00	-2.00	0.00
7,100.00	7.89	349.15	6,906.70	1,321.29	-253.29	-249.36	2.00	-2.00	0.00
7,200.00	5.89	349.15	7,005.97	1,333.07	-255.54	-251.59	2.00	-2.00	0.00
7,300.00	3.89	349.15	7,105.61	1,341.45	-257.15	-253.17	2.00	-2.00	0.00
7,400.00	1.89	349.15	7,205.47	1,346.40	-258.10	-254.10	2.00	-2.00	0.00
7,494.54	0.00	85.83	7,300.00	1,347.93	-258.39	-254.39	2.00	-2.00	0.00
Start 1487.04 hold at 7494.54 MD									
7,500.00	0.00	0.00	7,305.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
7,600.00	0.00	0.00	7,405.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
7,700.00	0.00	0.00	7,505.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
7,800.00	0.00	0.00	7,605.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
7,900.00	0.00	0.00	7,705.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,000.00	0.00	0.00	7,805.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,100.00	0.00	0.00	7,905.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,200.00	0.00	0.00	8,005.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,300.00	0.00	0.00	8,105.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,400.00	0.00	0.00	8,205.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,500.00	0.00	0.00	8,305.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,600.00	0.00	0.00	8,405.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,700.00	0.00	0.00	8,505.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,800.00	0.00	0.00	8,605.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,900.00	0.00	0.00	8,705.46	1,347.93	-258.39	-254.39	0.00	0.00	0.00
8,981.59	0.00	0.00	8,787.04	1,347.93	-258.39	-254.39	0.00	0.00	0.00
Start Build 10.00									
9,000.00	1.84	85.83	8,805.45	1,347.95	-258.10	-254.10	10.00	10.00	0.00
9,050.00	6.84	85.83	8,855.29	1,348.23	-254.32	-250.32	10.00	10.00	0.00
9,100.00	11.84	85.83	8,904.61	1,348.82	-246.23	-242.23	10.00	10.00	0.00
9,150.00	16.84	85.83	8,953.04	1,349.72	-233.88	-229.88	10.00	10.00	0.00
9,200.00	21.84	85.83	9,000.20	1,350.92	-217.37	-213.36	10.00	10.00	0.00
9,250.00	26.84	85.83	9,045.75	1,352.42	-196.83	-192.81	10.00	10.00	0.00
9,300.00	31.84	85.83	9,089.32	1,354.20	-172.40	-168.38	10.00	10.00	0.00
9,350.00	36.84	85.83	9,130.59	1,356.25	-144.28	-140.25	10.00	10.00	0.00

Dixon Directional Planning Report



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Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3726.23usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	201H		
Design:	Plan 2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,400.00	41.84	85.83	9,169.25	1,358.55	-112.67	-108.64	10.00	10.00	0.00	
9,450.00	46.84	85.83	9,204.99	1,361.09	-77.83	-73.79	10.00	10.00	0.00	
9,500.00	51.84	85.83	9,237.56	1,363.85	-40.01	-35.97	10.00	10.00	0.00	
9,550.00	56.84	85.83	9,266.70	1,366.81	0.49	4.55	10.00	10.00	0.00	
9,600.00	61.84	85.83	9,292.19	1,369.93	43.38	47.44	10.00	10.00	0.00	
9,650.00	66.84	85.83	9,313.83	1,373.21	88.31	92.39	10.00	10.00	0.00	
9,700.00	71.84	85.83	9,331.47	1,376.61	134.96	139.04	10.00	10.00	0.00	
9,750.00	76.84	85.83	9,344.96	1,380.11	182.96	187.05	10.00	10.00	0.00	
9,800.00	81.84	85.83	9,354.20	1,383.68	231.95	236.06	10.00	10.00	0.00	
9,850.00	86.84	85.83	9,359.13	1,387.30	281.56	285.68	10.00	10.00	0.00	
9,881.59	90.00	85.83	9,360.00	1,389.59	313.05	317.17	10.00	10.00	0.00	
Start Turn 0.00										
9,900.00	90.00	86.20	9,360.00	1,390.87	331.42	335.54	2.00	0.00	2.00	
10,000.00	90.00	88.20	9,360.00	1,395.76	431.29	435.43	2.00	0.00	2.00	
10,081.71	90.00	89.83	9,360.00	1,397.16	512.98	517.13	2.00	0.00	2.00	
Start 12847.00 hold at 10081.71 MD										
10,100.00	90.00	89.83	9,360.00	1,397.22	531.28	535.42	0.00	0.00	0.00	
10,200.00	90.00	89.83	9,360.00	1,397.51	631.28	635.42	0.00	0.00	0.00	
10,300.00	90.00	89.83	9,360.00	1,397.80	731.28	735.42	0.00	0.00	0.00	
10,400.00	90.00	89.83	9,360.00	1,398.10	831.28	835.42	0.00	0.00	0.00	
10,500.00	90.00	89.83	9,360.00	1,398.39	931.28	935.42	0.00	0.00	0.00	
10,600.00	90.00	89.83	9,360.00	1,398.68	1,031.28	1,035.42	0.00	0.00	0.00	
10,700.00	90.00	89.83	9,360.00	1,398.97	1,131.27	1,135.42	0.00	0.00	0.00	
10,800.00	90.00	89.83	9,360.00	1,399.27	1,231.27	1,235.42	0.00	0.00	0.00	
10,900.00	90.00	89.83	9,360.00	1,399.56	1,331.27	1,335.42	0.00	0.00	0.00	
11,000.00	90.00	89.83	9,360.00	1,399.85	1,431.27	1,435.42	0.00	0.00	0.00	
11,100.00	90.00	89.83	9,360.00	1,400.14	1,531.27	1,535.42	0.00	0.00	0.00	
11,200.00	90.00	89.83	9,360.00	1,400.44	1,631.27	1,635.42	0.00	0.00	0.00	
11,300.00	90.00	89.83	9,360.00	1,400.73	1,731.27	1,735.42	0.00	0.00	0.00	
11,400.00	90.00	89.83	9,360.00	1,401.02	1,831.27	1,835.42	0.00	0.00	0.00	
11,500.00	90.00	89.83	9,360.00	1,401.31	1,931.27	1,935.42	0.00	0.00	0.00	
11,600.00	90.00	89.83	9,360.00	1,401.61	2,031.27	2,035.42	0.00	0.00	0.00	
11,700.00	90.00	89.83	9,360.00	1,401.90	2,131.27	2,135.42	0.00	0.00	0.00	
11,800.00	90.00	89.83	9,360.00	1,402.19	2,231.27	2,235.42	0.00	0.00	0.00	
11,900.00	90.00	89.83	9,360.00	1,402.48	2,331.27	2,335.42	0.00	0.00	0.00	
12,000.00	90.00	89.83	9,360.00	1,402.78	2,431.27	2,435.42	0.00	0.00	0.00	
12,100.00	90.00	89.83	9,360.00	1,403.07	2,531.27	2,535.42	0.00	0.00	0.00	
12,200.00	90.00	89.83	9,360.00	1,403.36	2,631.27	2,635.42	0.00	0.00	0.00	
12,300.00	90.00	89.83	9,360.00	1,403.65	2,731.27	2,735.42	0.00	0.00	0.00	
12,400.00	90.00	89.83	9,360.00	1,403.95	2,831.27	2,835.42	0.00	0.00	0.00	
12,500.00	90.00	89.83	9,360.00	1,404.24	2,931.27	2,935.42	0.00	0.00	0.00	
12,600.00	90.00	89.83	9,360.00	1,404.53	3,031.27	3,035.42	0.00	0.00	0.00	
12,700.00	90.00	89.83	9,360.00	1,404.82	3,131.27	3,135.42	0.00	0.00	0.00	
12,800.00	90.00	89.83	9,360.00	1,405.12	3,231.27	3,235.42	0.00	0.00	0.00	
12,900.00	90.00	89.83	9,360.00	1,405.41	3,331.27	3,335.42	0.00	0.00	0.00	
13,000.00	90.00	89.83	9,360.00	1,405.70	3,431.26	3,435.42	0.00	0.00	0.00	
13,100.00	90.00	89.83	9,360.00	1,405.99	3,531.26	3,535.42	0.00	0.00	0.00	
13,200.00	90.00	89.83	9,360.00	1,406.29	3,631.26	3,635.42	0.00	0.00	0.00	
13,300.00	90.00	89.83	9,360.00	1,406.58	3,731.26	3,735.42	0.00	0.00	0.00	
13,400.00	90.00	89.83	9,360.00	1,406.87	3,831.26	3,835.42	0.00	0.00	0.00	
13,500.00	90.00	89.83	9,360.00	1,407.16	3,931.26	3,935.42	0.00	0.00	0.00	
13,600.00	90.00	89.83	9,360.00	1,407.46	4,031.26	4,035.42	0.00	0.00	0.00	
13,700.00	90.00	89.83	9,360.00	1,407.75	4,131.26	4,135.42	0.00	0.00	0.00	
13,800.00	90.00	89.83	9,360.00	1,408.04	4,231.26	4,235.42	0.00	0.00	0.00	

Dixon Directional
Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3726.23usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3726.23usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	201H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,900.00	90.00	89.83	9,360.00	1,408.33	4,331.26	4,335.42	0.00	0.00	0.00
14,000.00	90.00	89.83	9,360.00	1,408.63	4,431.26	4,435.42	0.00	0.00	0.00
14,100.00	90.00	89.83	9,360.00	1,408.92	4,531.26	4,535.42	0.00	0.00	0.00
14,200.00	90.00	89.83	9,360.00	1,409.21	4,631.26	4,635.42	0.00	0.00	0.00
14,300.00	90.00	89.83	9,360.00	1,409.50	4,731.26	4,735.42	0.00	0.00	0.00
14,400.00	90.00	89.83	9,360.00	1,409.80	4,831.26	4,835.42	0.00	0.00	0.00
14,500.00	90.00	89.83	9,360.00	1,410.09	4,931.26	4,935.42	0.00	0.00	0.00
14,600.00	90.00	89.83	9,360.00	1,410.38	5,031.26	5,035.42	0.00	0.00	0.00
14,700.00	90.00	89.83	9,360.00	1,410.67	5,131.26	5,135.42	0.00	0.00	0.00
14,800.00	90.00	89.83	9,360.00	1,410.97	5,231.26	5,235.42	0.00	0.00	0.00
14,900.00	90.00	89.83	9,360.00	1,411.26	5,331.26	5,335.42	0.00	0.00	0.00
15,000.00	90.00	89.83	9,360.00	1,411.55	5,431.26	5,435.42	0.00	0.00	0.00
15,100.00	90.00	89.83	9,360.00	1,411.84	5,531.26	5,535.42	0.00	0.00	0.00
15,200.00	90.00	89.83	9,360.00	1,412.14	5,631.26	5,635.42	0.00	0.00	0.00
15,300.00	90.00	89.83	9,360.00	1,412.43	5,731.26	5,735.42	0.00	0.00	0.00
15,400.00	90.00	89.83	9,360.00	1,412.72	5,831.25	5,835.42	0.00	0.00	0.00
15,500.00	90.00	89.83	9,360.00	1,413.01	5,931.25	5,935.42	0.00	0.00	0.00
15,600.00	90.00	89.83	9,360.00	1,413.30	6,031.25	6,035.42	0.00	0.00	0.00
15,700.00	90.00	89.83	9,360.00	1,413.60	6,131.25	6,135.42	0.00	0.00	0.00
15,800.00	90.00	89.83	9,360.00	1,413.89	6,231.25	6,235.42	0.00	0.00	0.00
15,900.00	90.00	89.83	9,360.00	1,414.18	6,331.25	6,335.42	0.00	0.00	0.00
16,000.00	90.00	89.83	9,360.00	1,414.47	6,431.25	6,435.42	0.00	0.00	0.00
16,100.00	90.00	89.83	9,360.00	1,414.77	6,531.25	6,535.42	0.00	0.00	0.00
16,200.00	90.00	89.83	9,360.00	1,415.06	6,631.25	6,635.42	0.00	0.00	0.00
16,300.00	90.00	89.83	9,360.00	1,415.35	6,731.25	6,735.42	0.00	0.00	0.00
16,400.00	90.00	89.83	9,360.00	1,415.64	6,831.25	6,835.42	0.00	0.00	0.00
16,500.00	90.00	89.83	9,360.00	1,415.94	6,931.25	6,935.42	0.00	0.00	0.00
16,600.00	90.00	89.83	9,360.00	1,416.23	7,031.25	7,035.42	0.00	0.00	0.00
16,700.00	90.00	89.83	9,360.00	1,416.52	7,131.25	7,135.42	0.00	0.00	0.00
16,800.00	90.00	89.83	9,360.00	1,416.81	7,231.25	7,235.42	0.00	0.00	0.00
16,900.00	90.00	89.83	9,360.00	1,417.11	7,331.25	7,335.42	0.00	0.00	0.00
17,000.00	90.00	89.83	9,360.00	1,417.40	7,431.25	7,435.42	0.00	0.00	0.00
17,100.00	90.00	89.83	9,360.00	1,417.69	7,531.25	7,535.42	0.00	0.00	0.00
17,200.00	90.00	89.83	9,360.00	1,417.98	7,631.25	7,635.42	0.00	0.00	0.00
17,300.00	90.00	89.83	9,360.00	1,418.28	7,731.25	7,735.42	0.00	0.00	0.00
17,400.00	90.00	89.83	9,360.00	1,418.57	7,831.25	7,835.42	0.00	0.00	0.00
17,500.00	90.00	89.83	9,360.00	1,418.86	7,931.25	7,935.42	0.00	0.00	0.00
17,600.00	90.00	89.83	9,360.00	1,419.15	8,031.25	8,035.42	0.00	0.00	0.00
17,700.00	90.00	89.83	9,360.00	1,419.45	8,131.24	8,135.42	0.00	0.00	0.00
17,800.00	90.00	89.83	9,360.00	1,419.74	8,231.24	8,235.42	0.00	0.00	0.00
17,900.00	90.00	89.83	9,360.00	1,420.03	8,331.24	8,335.42	0.00	0.00	0.00
18,000.00	90.00	89.83	9,360.00	1,420.32	8,431.24	8,435.42	0.00	0.00	0.00
18,100.00	90.00	89.83	9,360.00	1,420.62	8,531.24	8,535.42	0.00	0.00	0.00
18,200.00	90.00	89.83	9,360.00	1,420.91	8,631.24	8,635.42	0.00	0.00	0.00
18,300.00	90.00	89.83	9,360.00	1,421.20	8,731.24	8,735.42	0.00	0.00	0.00
18,400.00	90.00	89.83	9,360.00	1,421.49	8,831.24	8,835.42	0.00	0.00	0.00
18,500.00	90.00	89.83	9,360.00	1,421.79	8,931.24	8,935.42	0.00	0.00	0.00
18,600.00	90.00	89.83	9,360.00	1,422.08	9,031.24	9,035.42	0.00	0.00	0.00
18,700.00	90.00	89.83	9,360.00	1,422.37	9,131.24	9,135.42	0.00	0.00	0.00
18,800.00	90.00	89.83	9,360.00	1,422.66	9,231.24	9,235.42	0.00	0.00	0.00
18,900.00	90.00	89.83	9,360.00	1,422.96	9,331.24	9,335.42	0.00	0.00	0.00
19,000.00	90.00	89.83	9,360.00	1,423.25	9,431.24	9,435.42	0.00	0.00	0.00
19,100.00	90.00	89.83	9,360.00	1,423.54	9,531.24	9,535.42	0.00	0.00	0.00
19,200.00	90.00	89.83	9,360.00	1,423.83	9,631.24	9,635.42	0.00	0.00	0.00



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3726.23usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3726.23usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	201H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,300.00	90.00	89.83	9,360.00	1,424.13	9,731.24	9,735.42	0.00	0.00	0.00
19,400.00	90.00	89.83	9,360.00	1,424.42	9,831.24	9,835.42	0.00	0.00	0.00
19,500.00	90.00	89.83	9,360.00	1,424.71	9,931.24	9,935.42	0.00	0.00	0.00
19,600.00	90.00	89.83	9,360.00	1,425.00	10,031.24	10,035.42	0.00	0.00	0.00
19,700.00	90.00	89.83	9,360.00	1,425.30	10,131.24	10,135.42	0.00	0.00	0.00
19,800.00	90.00	89.83	9,360.00	1,425.59	10,231.24	10,235.42	0.00	0.00	0.00
19,900.00	90.00	89.83	9,360.00	1,425.88	10,331.24	10,335.42	0.00	0.00	0.00
20,000.00	90.00	89.83	9,360.00	1,426.17	10,431.24	10,435.42	0.00	0.00	0.00
20,100.00	90.00	89.83	9,360.00	1,426.47	10,531.23	10,535.42	0.00	0.00	0.00
20,200.00	90.00	89.83	9,360.00	1,426.76	10,631.23	10,635.42	0.00	0.00	0.00
20,300.00	90.00	89.83	9,360.00	1,427.05	10,731.23	10,735.42	0.00	0.00	0.00
20,400.00	90.00	89.83	9,360.00	1,427.34	10,831.23	10,835.42	0.00	0.00	0.00
20,500.00	90.00	89.83	9,360.00	1,427.64	10,931.23	10,935.42	0.00	0.00	0.00
20,600.00	90.00	89.83	9,360.00	1,427.93	11,031.23	11,035.42	0.00	0.00	0.00
20,700.00	90.00	89.83	9,360.00	1,428.22	11,131.23	11,135.42	0.00	0.00	0.00
20,800.00	90.00	89.83	9,360.00	1,428.51	11,231.23	11,235.42	0.00	0.00	0.00
20,900.00	90.00	89.83	9,360.00	1,428.81	11,331.23	11,335.42	0.00	0.00	0.00
21,000.00	90.00	89.83	9,360.00	1,429.10	11,431.23	11,435.42	0.00	0.00	0.00
21,100.00	90.00	89.83	9,360.00	1,429.39	11,531.23	11,535.42	0.00	0.00	0.00
21,200.00	90.00	89.83	9,360.00	1,429.68	11,631.23	11,635.42	0.00	0.00	0.00
21,300.00	90.00	89.83	9,360.00	1,429.98	11,731.23	11,735.42	0.00	0.00	0.00
21,400.00	90.00	89.83	9,360.00	1,430.27	11,831.23	11,835.42	0.00	0.00	0.00
21,500.00	90.00	89.83	9,360.00	1,430.56	11,931.23	11,935.42	0.00	0.00	0.00
21,600.00	90.00	89.83	9,360.00	1,430.85	12,031.23	12,035.42	0.00	0.00	0.00
21,700.00	90.00	89.83	9,360.00	1,431.15	12,131.23	12,135.42	0.00	0.00	0.00
21,800.00	90.00	89.83	9,360.00	1,431.44	12,231.23	12,235.42	0.00	0.00	0.00
21,900.00	90.00	89.83	9,360.00	1,431.73	12,331.23	12,335.42	0.00	0.00	0.00
22,000.00	90.00	89.83	9,360.00	1,432.02	12,431.23	12,435.42	0.00	0.00	0.00
22,100.00	90.00	89.83	9,360.00	1,432.32	12,531.23	12,535.42	0.00	0.00	0.00
22,200.00	90.00	89.83	9,360.00	1,432.61	12,631.23	12,635.42	0.00	0.00	0.00
22,300.00	90.00	89.83	9,360.00	1,432.90	12,731.23	12,735.42	0.00	0.00	0.00
22,400.00	90.00	89.83	9,360.00	1,433.19	12,831.22	12,835.42	0.00	0.00	0.00
22,500.00	90.00	89.83	9,360.00	1,433.49	12,931.22	12,935.42	0.00	0.00	0.00
22,600.00	90.00	89.83	9,360.00	1,433.78	13,031.22	13,035.42	0.00	0.00	0.00
22,700.00	90.00	89.83	9,360.00	1,434.07	13,131.22	13,135.42	0.00	0.00	0.00
22,800.00	90.00	89.83	9,360.00	1,434.36	13,231.22	13,235.42	0.00	0.00	0.00
22,900.00	90.00	89.83	9,360.00	1,434.66	13,331.22	13,335.42	0.00	0.00	0.00
22,928.71	90.00	89.83	9,360.00	1,434.74	13,359.93	13,364.13	0.00	0.00	0.00
TD at 22928.71									



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (03) Bond 32-34 FED COM 201H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3726.23usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3726.23usft
Site:	Bond North Pad - Phase 1	North Reference:	Grid
Well:	(03) Bond 32-34 FED COM 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	201H		
Design:	Plan 2		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
PBHL - v1 - (03) Bond 3: - plan hits target center - Point	0.00	0.00	9,360.00	1,434.74	13,359.93	622,634.39	722,071.40	32.71028633	-103.74572764
FTP/PP - v1 - (03) Bond - plan misses target center by 6.97usft at 9882.01usft MD (9360.00 TVD, 1389.62 N, 313.47 E) - Point	0.00	0.00	9,360.00	1,396.58	312.99	622,596.23	709,024.46	32.71037302	-103.78814503
LTP - v1 - (03) Bond 32- - plan misses target center by 0.02usft at 22878.71usft MD (9360.00 TVD, 1434.59 N, 13309.93 E) - Point	0.00	0.00	9,360.00	1,434.57	13,309.93	622,634.22	722,021.40	32.71028663	-103.74589020

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.00	2,000.00	0.00	0.00	Start Build 2.00
2,860.06	2,847.20	125.84	-24.12	Start 3774.43 hold at 2860.06 MD
6,634.49	6,452.80	1,222.09	-234.27	Start Drop -2.00
7,494.54	7,300.00	1,347.93	-258.39	Start 1487.04 hold at 7494.54 MD
8,981.59	8,787.04	1,347.93	-258.39	Start Build 10.00
9,881.59	9,360.00	1,389.59	313.05	Start Turn 0.00
10,081.71	9,360.00	1,397.16	512.98	Start 12847.00 hold at 10081.71 MD
22,928.71	9,360.00	1,434.74	13,359.93	TD at 22928.71

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 536447

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 536447
	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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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 536447

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 536447
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

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