

Form 3160-3
(October 2024)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
		8. Lease Name and Well No.
		101H
2. Name of Operator		9. API Well No.
		30-025-55822
3a. Address	3b. Phone No. (include area code)	10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *)		11. Sec., T. R. M. or Blk. and Survey or Area
At surface _____		
At proposed prod. zone _____		
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be requested by the BLM. |

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

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

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



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 / 2405 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.706539 / LONG: -103.789251 (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: 10150 feet, MD: 10609 feet)
PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103553 / LONG: -103.7798872 (TVD: 10150 feet, MD: 13149 feet)
PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7103218 / LONG: -103.7627423 (TVD: 10150 feet, MD: 18422 feet)
PPP: NWNE / 330 FNL / 2637 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103389 / LONG: -103.7713143 (TVD: 10150 feet, MD: 15785 feet)
BHL: NENE / 330 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.710286 / LONG: -103.745598 (TVD: 10150 feet, MD: 22686 feet)

BLM Point of Contact

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

CONFIDENTIAL

**PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL**

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

WELL NAME & NO.:	Bond 32-34 Fed Com 301H
ATS/API ID:	ATS-25-1231
APD ID:	10400103832
Sundry ID:	N/a

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

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

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

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

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

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

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

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

C. PRESSURE CONTROL

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

Option 1:

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

Option 2:

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

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

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

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

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

GENERAL REQUIREMENTS

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

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

☒ Lea County

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

Long Vo (LVO) 4/14/2025



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

Operator Certification Data Report

11/30/2025

Operator

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

NAME: MIKAH THOMAS

Signed on: 02/27/2025

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: 10400103832

Submission Date: 03/16/2025

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 301H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400103832

Tie to previous NOS? N

Submission Date: 03/16/2025

BLM Office: Carlsbad

User: MIKAH THOMAS

Title: Regulatory Manager

Federal/Indian APD: FED

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

Lease number: 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: 301H

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:** 301H**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_301H_C102_20250403064409.pdf

24_041778_BOND_FED_COM_301H_C102_Add_Pool_20250403064413.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	2405	FWL	18S	32E	32	Aliquot SENW	32.706539	-103.789251	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	3693			Y
KOP Leg #1	1726	FNL	2405	FWL	18S	32E	32	Aliquot SENW	32.706539	-103.789251	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	-5884	9709	9577	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 301H

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	- 6457	10609	10150	Y
PPP Leg #1-2	330	FNL	0	FWL	18S	32E	33	Aliquot NWNW	32.7103553	- 103.7798872	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18232	- 6457	13149	10150	Y
PPP Leg #1-3	330	FNL	2637	FEL	18S	32E	33	Aliquot NWNE	32.7103389	- 103.7713143	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 0556094	- 6457	15785	10150	Y
PPP Leg #1-4	330	FNL	0	FWL	18S	32E	34	Aliquot NWNW	32.7103218	- 103.7627423	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 6457	18422	10150	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	- 6457	23606	10150	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	- 6457	22686	10150	Y

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

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

WELL LOCATION INFORMATION

API Number	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code	Property Name BOND 32-34 FED COM	Well Number 301H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,693.00'
Surface Owner: ☒ State ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Ft. from N/S 1,726' FNL	Ft. from E/W 2,405' FEL	Latitude 32.706539°	Longitude -103.789251°	County LEA
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Bottom Hole Location

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S	Ft. from E/W	Latitude 32.710286°	Longitude -103.745598°	County LEA
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Dedicated Acres 480	Infill or Defining Well	Defining Well API	Mapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers: R-23685				

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,726' FNL	Ft. from E/W 2,405' FEL	Latitude 32.706539°	Longitude -103.789251°	County LEA
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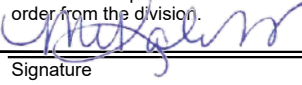
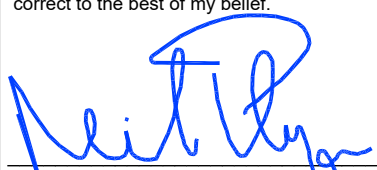
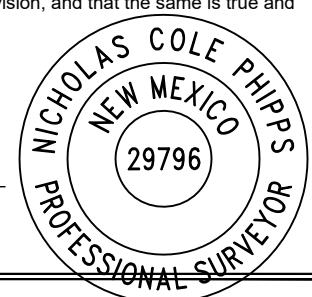
First Take Point (FTP)

UL B	Section 32	Township 18S	Range	Ft. from N/S 330' FNL	Ft. from E/W 2,540' FEL	Latitude	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	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  Signature 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.

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.



CORNER COORDINATES NEW MEXICO EAST - NAD 83	
A	N:622,919.18' E:706,274.71'
B	N:622,925.94' E:708,919.07'
C	N:622,933.11' E:711,562.90'
D	N:622,939.79' E:714,200.05'
E	N:622,946.74' E:716,835.71'
F	N:622,955.24' E:719,478.22'
G	N:622,964.56' E:722,119.22'
H	N:620,324.44' E:722,136.67'
I	N:617,684.31' E:722,154.13'
J	N:617,675.56' E:719,507.45'
K	N:617,667.42' E:716,817.24'
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'

BOTTOM HOLE LOCATION
330' FNL & 10' FEL

NAD 83 X = 722,111.40'
NAD 83 Y = 622,634.53'
NAD 83 LAT = 32.710286°
NAD 83 LONG = -103.745598°

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

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

WELL LOCATION INFORMATION

API Number	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code	Property Name BOND 32-34 FED COM	Well Number 301H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,693.00'
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 2,405' FWL	Latitude 32.706539°	Longitude -103.789251°	County LEA
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Bottom Hole Location

UL A	Section 34	Township 18S	Range	Lot	Ft. from N/S 330' FNL	Ft. from E/W	Latitude 32.710286°	Longitude -103.745598°	County LEA
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Dedicated Acres 320	Infill or Defining Well	Well API	Spacing Unit (Y/N)	Consolidation Code
Order Numbers. R-23685				
Well setbacks are under Common Ownership: ☐ Yes ☐ No				

Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from E/W 2,405' FWL	Latitude 32.706539°	Longitude -103.789251°	County LEA
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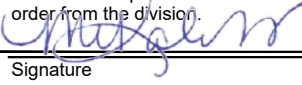
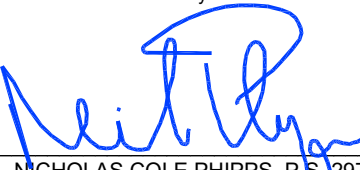
First Take Point (LTP)

UL B	Section 32	Township 18S	Range	Lot	Ft. from N/S 330' FNL	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	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:
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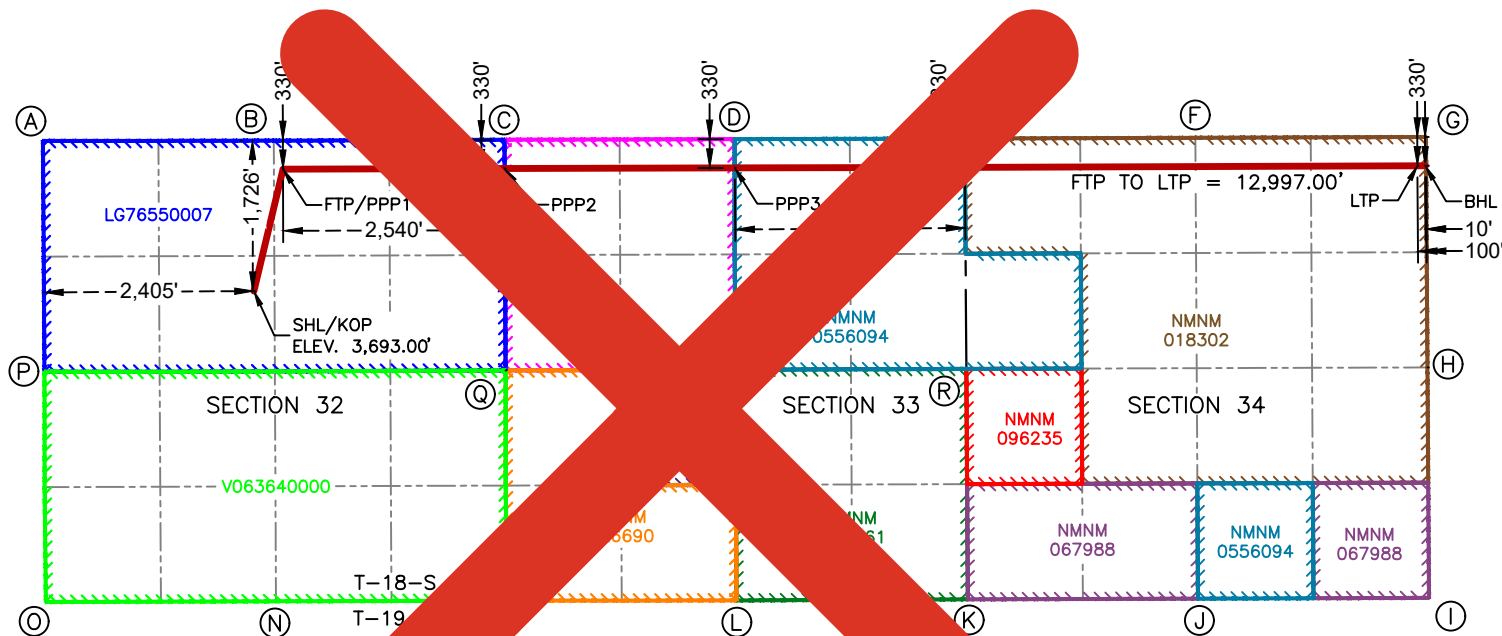
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  Signature Mikah Thomas Printed Name mikah@pbex.com Email Address		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  NICHOLAS COLE PHIPPS P.S. 29796 COOSA CONSULTING CORPORATION PO BOX 1583, MIDLAND, TEXAS 79701 Signature and Seal of Professional Surveyor  Certificate Number 29796 Date of Survey 11/14/2024	
Date 02/01/2025			

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ACREAGE DEDICATION PLATS

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



11-14-24

SURFACE HOLE LOCATION
& KICK-OFF POINT
1,726' FNL & 2,405' FWL
ELEV. = 3,693.00'

NAD 83 X = 708,691.47'
NAD 83 Y = 621,199.66'
NAD 83 LAT = 32.706539°
NAD 83 LONG = -103.789251°

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' 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'
NAD 83 LAT = 32.710286°
NAD 83 LONG = -103.745598°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
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P	N:620,268.56' E:706,292.10'
Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'



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

Drilling Plan Data Report

11/30/2025

APD ID: 10400103832

Submission Date: 03/16/2025

Highlighted data
reflects the most
recent changes

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 301H

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
16447033	QUATERNARY	3693	0	0	ALLUVIUM	NONE	N
16447035	RUSTLER	2543	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16447036	TOP OF SALT	2263	1430	1430	ANHYDRITE, SALT	NONE	N
16447037	BASE OF SALT	1518	2175	2175	ANHYDRITE, SALT	NONE	N
16447052	YATES	821	2872	2892	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16447053	SEVEN RIVERS	498	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16447054	QUEEN	-82	3775	3795	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16447056	SAN ANDRES	-572	4265	4285	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16447041	CHERRY CANYON	-922	4615	4615	LIMESTONE, SANDSTONE, SHALE	NONE	N
16447042	BRUSHY CANYON	-1352	5045	5045	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447043	BONE SPRING LIME	-3276	6969	6989	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447044	AVALON SAND	-3497	7190	7190	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447057	BONE SPRING 1ST	-4627	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447058	BONE SPRING 2ND	-4932	8625	8675	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447059	BONE SPRING 2ND	-5197	8890	8940	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16447060	BONE SPRING 3RD	-5737	9430	9490	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16447061	BONE SPRING 3RD	-6142	9835	9915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 301H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16447062	WOLFCAMP	-6492	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 and test pressures 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 43 CFR 3172.7(b)(8). The BOP system will be isolated and tested by an independent tester to 250 psi low and 5,000 psi high for 10 minutes.per CFR 3172 requirements. If 10M system, we will test annular to 100% of WP (5,000 psi) The Surface Casing will be pressure tested to 250 psi low and 1500 psi high. Intermediate Casing will be pressure tested to 250 psi low and (.22 psi x Length Of Casing, which is equivalent to 2057 psi) high for 30 minutes

Choke Diagram Attachment:

5M_Choke_EGL_20241218135422.pdf

PBEX_10M_Choke_Manifold_20250227115050.pdf

BOP Diagram Attachment:

5M_BOP_EGL_20241218135409.pdf

PBEX_10M_BOP_Diagram_20250227115100.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	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	1310	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	9450	9350	3643	9450	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: 301H

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
3	PRODUCTI ON	8.75	5.5	NEW	API	N	0	23696	0	10150	3643	-6457	23696	P-110	17	OTHER - CDC HTQ	1.125	1.125	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_20250224184704.pdf
- Casing_Design_Assmpt_3_string_casing_20250224184957.pdf

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- Casing_Design_Assmpt_3_string_casing_20250224185036.pdf
- 9.625in_40.00lb_ft_L80_HC_BORUSAN_20250316214541.pdf

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 301H

Casing Attachments

Casing ID: 3 String PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.5in_P110_EC_Casing_Spec_20250224185104.pdf

Casing_Design_Assmpt_3_string_casing_20250224185110.pdf

Section 4 - Casing

String Type	Lead/Tail	Stage Tool Depth	Top of Cement	MD	Quantity(sx)	Yield	Density	Excess	Cement type	Additives	
SURFACE	Lead		0	1200	8350	2.22	13.5	367.3	100	C	Gel, Accelerator, LCM
SURFACE	Tail		1200	1310	8350	2.22	13.2	152.8	100	C	Gel, Accelerator, LCM
INTERMEDIATE	Lead		0	8350	525	1.1	12.5	4297	60	C or H	Fluid Loss, Retarder, LCM, Possibly beads
INTERMEDIATE	Tail		8350	2369	3108	1.38	13.5	15	15	C or H	Fluid Loss, Retarder, LCM
PRODUCTION	Lead		0	8350	525	1.49	12.5	782	20	H	Fluid Loss, Retarder, LCM
PRODUCTION	Tail		8350	2369 6	3108	1.49	13.5	4630.8	20	H	Fluid Loss, Retarder, LCM

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 301H

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Weight (lbs/gal)	Viscosity (CP)	Gel Strength (lbs)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1310	SPUD MUD	8.3							
1310	9450	SATURATED	8.8	9.6						
9450	23696	SPUD MUD	12	12.5						

Section 6 - Test, Logging, Coring

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

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

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

GAMMA RAY LOG,

Coring operation description for the well:

No core or drill stem test is planned.

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 301H

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6598**Anticipated Surface Pressure:** 4364**Anticipated Bottom Hole Temperature(F):** 240**Anticipated abnormal pressures, temperatures, or potential geologic hazards?** NO**Describe:****Contingency Plans geohazards description:****Contingency Plans geohazards****Hydrogen Sulfide drilling operations plan required?** YES**Hydrogen sulfide drilling operations**

PBEX_Operations_LLC_H2S_Contengency_Plan_20241229103612.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Bond_32_34_Fed_Com_301H_Plan_1_20250227115534.pdf

Bond_32_34_Fed_Com_301H_Plan_1_AC_20250227115537.pdf

Bond_32_34_Fed_Com_301H_Plan_1_Plot_20250227115540.pdf

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

Choke_Kill_Line_Certs_20240221201455.pdf

NGMP_Bond_32_34_Fed_Com_20250224105901.pdf

PBEX_Operations__LLC_NGMP_Best_Practices_20250212141054.pdf

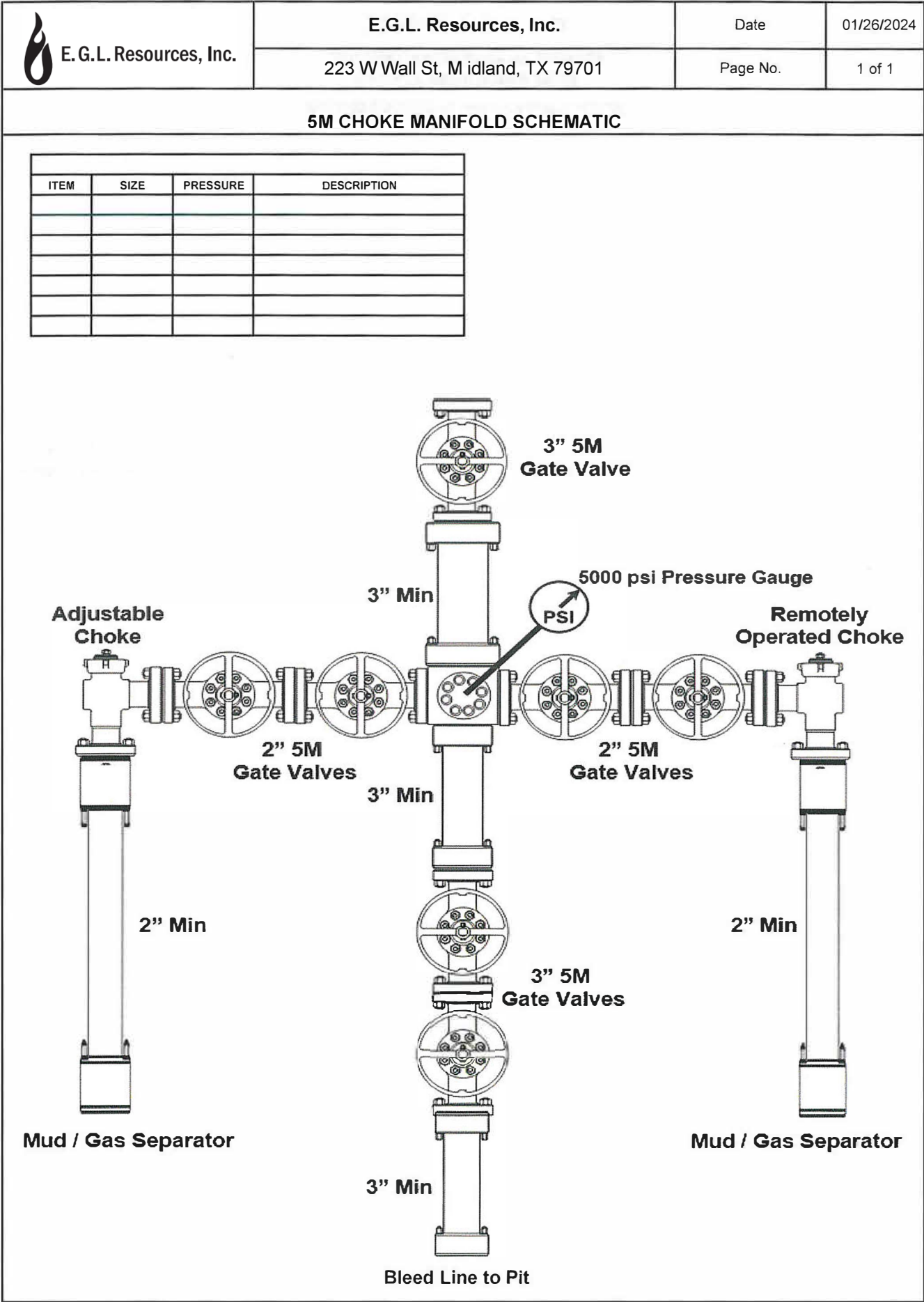
Wellhead_Schematic_9.625_10M_3T_20250212135648.pdf

PBEX_NM_Curve_volumes_3BSS_20250227115627.pdf

Well_Control_Plan_PBEX_v2_20250227115710.pdf

Bond_32_34_FED_COM__301H_Drill_Plan_v6_20250316215255.pdf

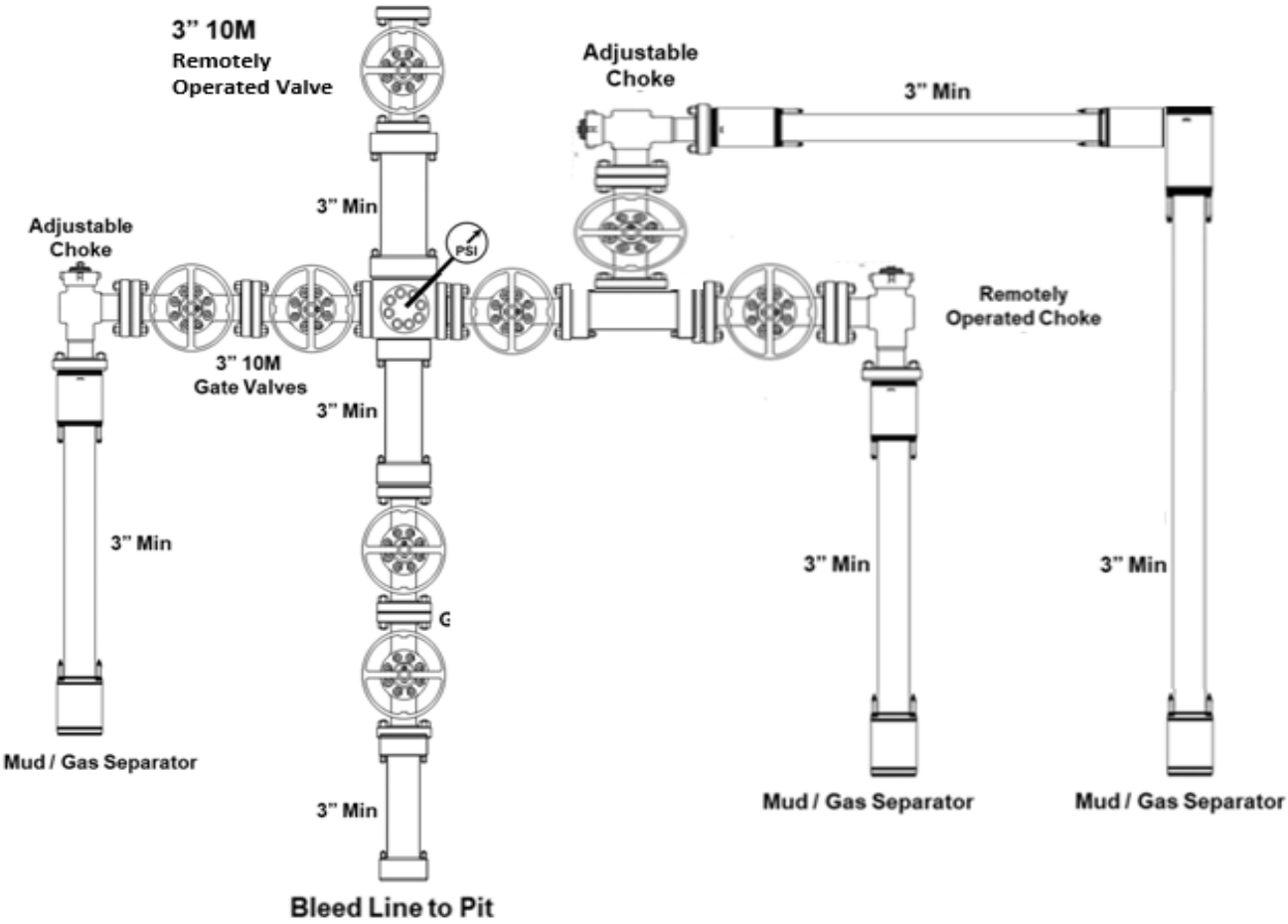
Other Variance request(s)?: N**Other Variance attachment:**



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

10M CHOKE MANIFOLD SCHEMATIC

ITEM	SIZE	PRESSURE	DESCRIPTION





E. G. L. Resources, Inc.

E.G.L. Resources, Inc.

Date

1/26/2024

223 W Wall St, Midland, TX 79701

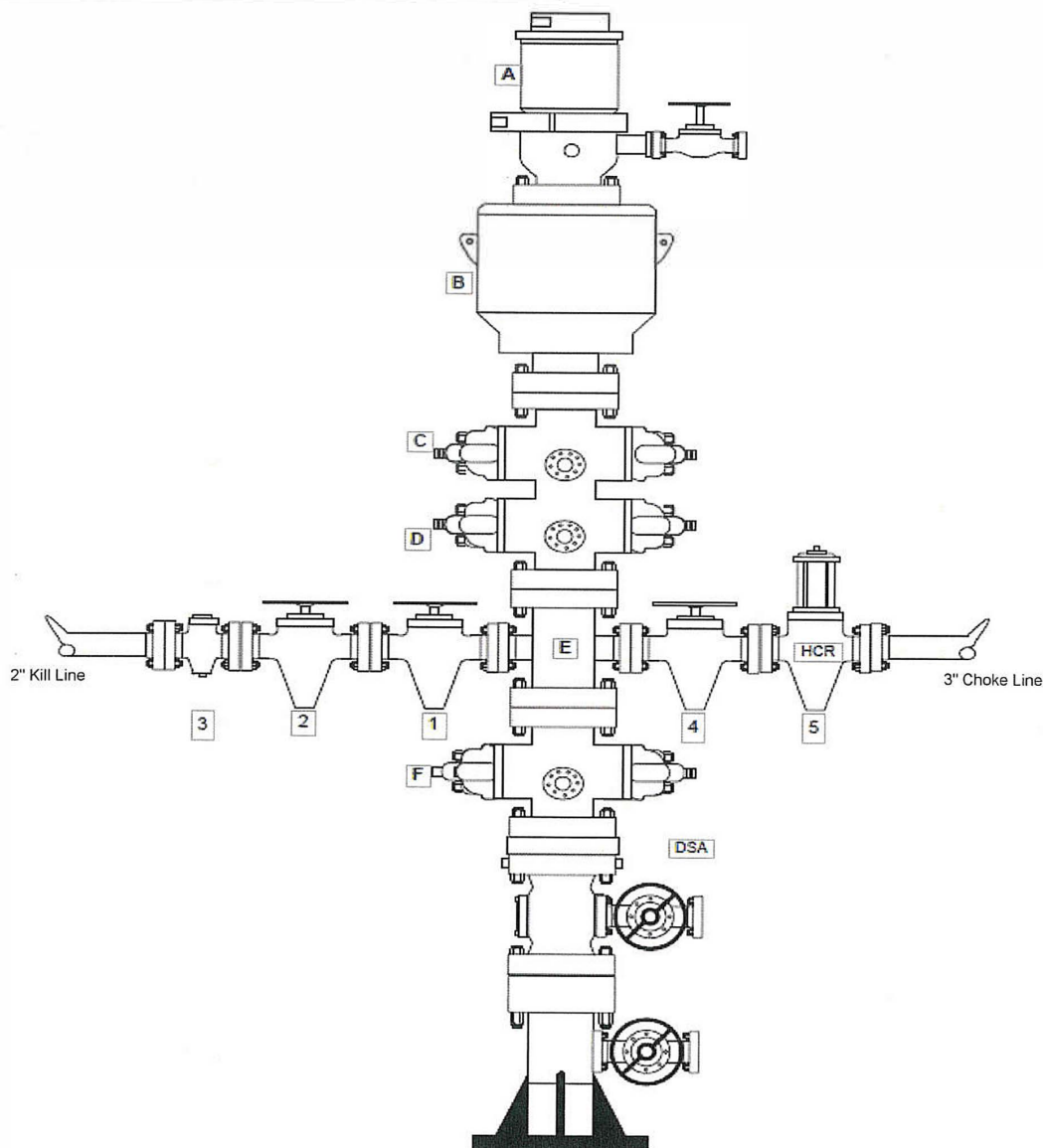
Page No.

1 of 1

5M BLOWOUT PREVENTER SCHEMATIC

BLOWOUT PREVENTER COMPONENTS

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



KILL LINE

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

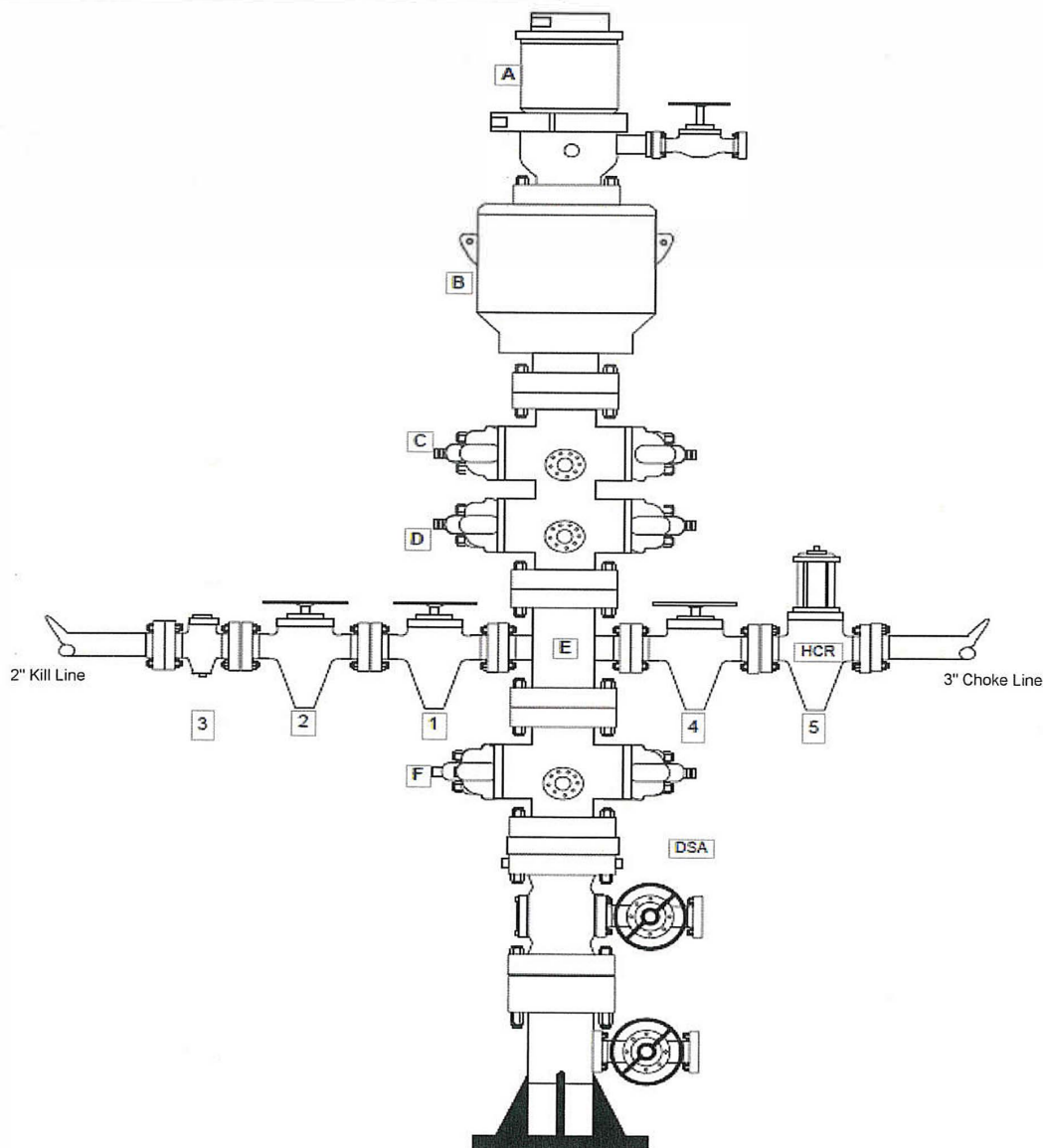
CHOKE LINE

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

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

10M BLOWOUT PREVENTER SCHEMATIC

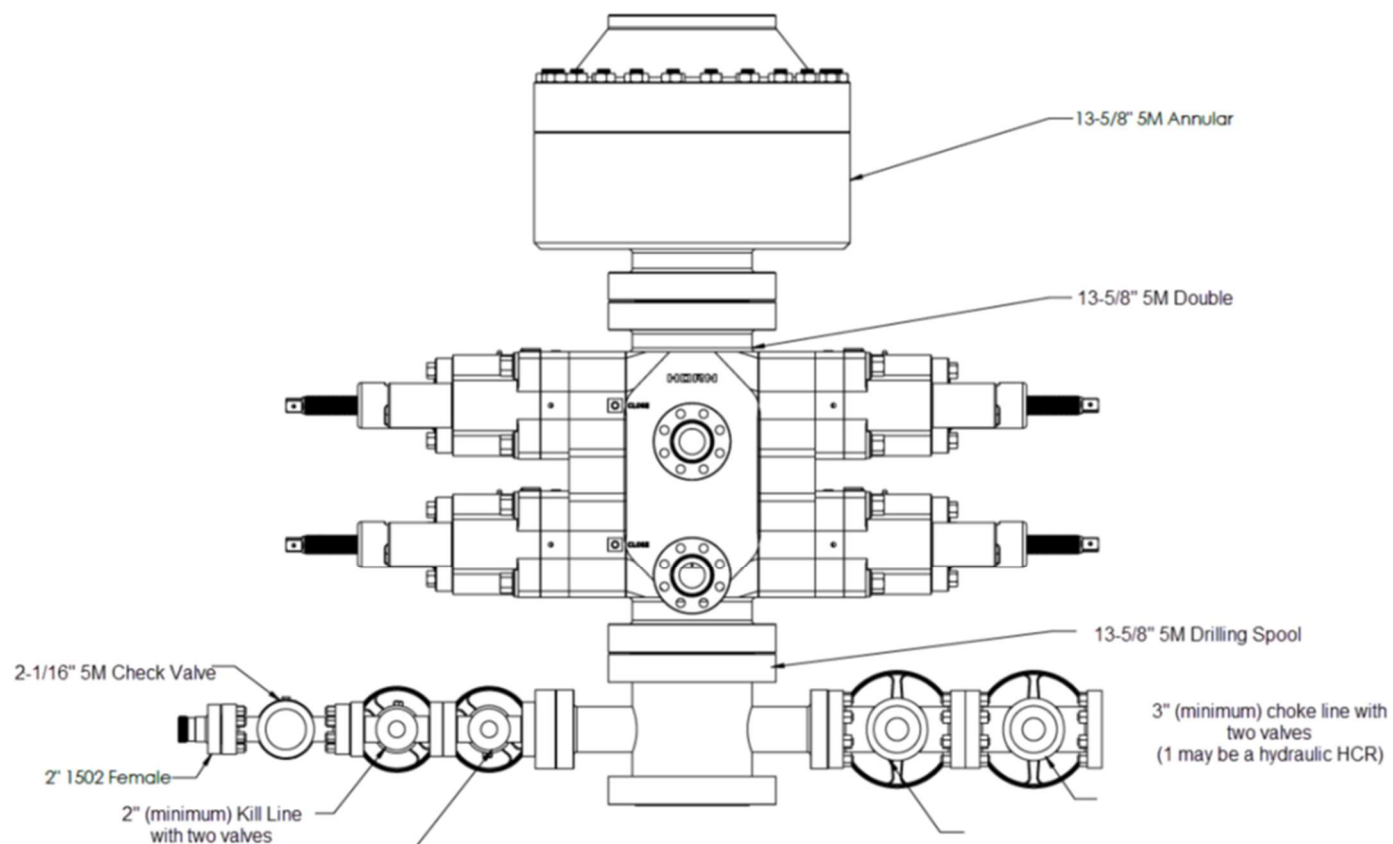
BLOWOUT PREVENTOR COMPONENTS			
ITEM	SIZE	PRESSURE	DESCRIPTION
A	13-5/8"	1,500 psi	Rotating Head + Valve
B	13-5/8"	5,000 psi	Annular Preventer
C	13-5/8"	10,000 psi	Pipe Rams
D	13-5/8"	10,000 psi	Blind Rams
E	13-5/8"	10,000 psi	Mud Cross
F	13-5/8"	10,000 psi	Pipe Rams



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

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

BOP Diagram 502H



3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

Intermediate Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

Production Casing

Collapse: $DF_C = 1.125$

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

Burst: $DF_B = 1.125$

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

Tensile: $DF_T = 1.60$

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

API 5CT Casing Performance Data Sheet

9 5/8" 40.00 lb/ft L80 HC

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

Designed for enhanced performance through increased collapse resistance.

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

Sizes and Weights

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

Pipe Body Mechanical Properties

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

Minimum Performance

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

Inspection and Testing

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

Color code

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



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

11/1/2023 1:00:21 PM

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

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

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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.

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Nominal Weight, T&C	40.00 lb/ft
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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

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Visual	OD Longitudinal and independent 3rd party SEA
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Color code

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

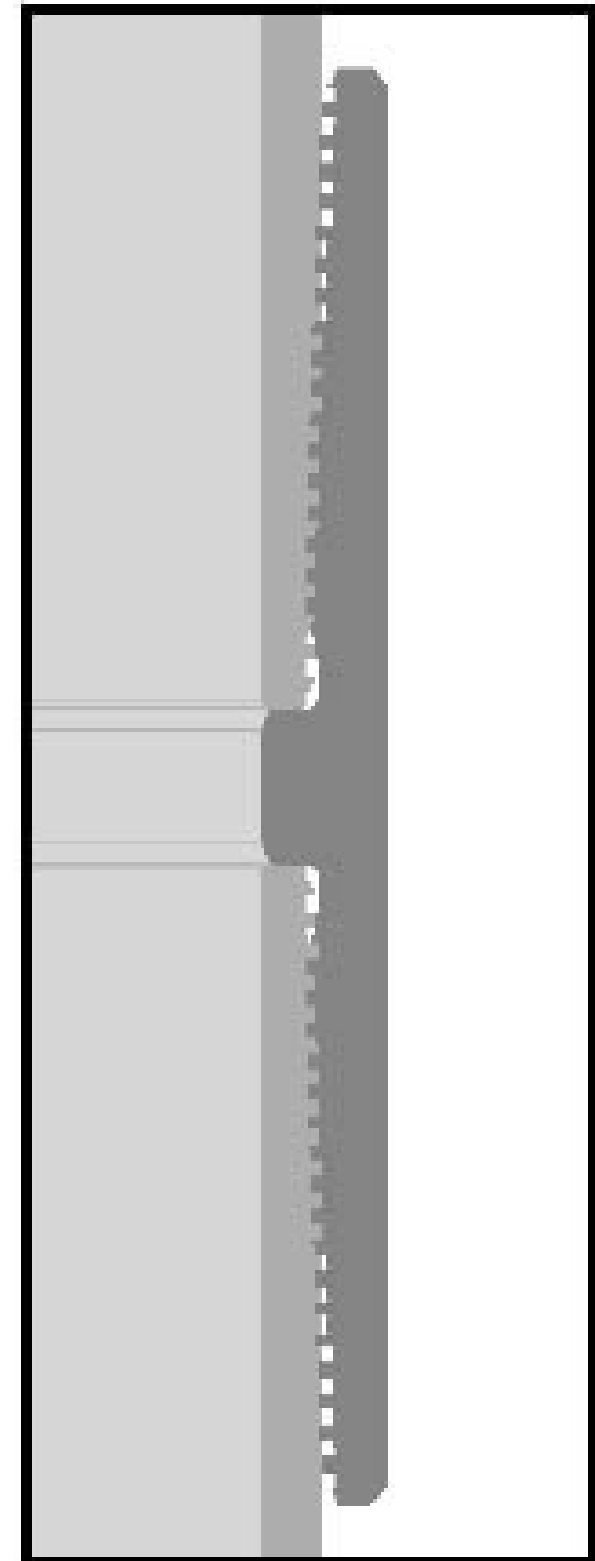
Technical Specifications

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

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



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Houston, TX 77041
Phone: 713-479-3200
Fax: 713-479-3234
E-mail: VAMUSAsales@vam-usa.com



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

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

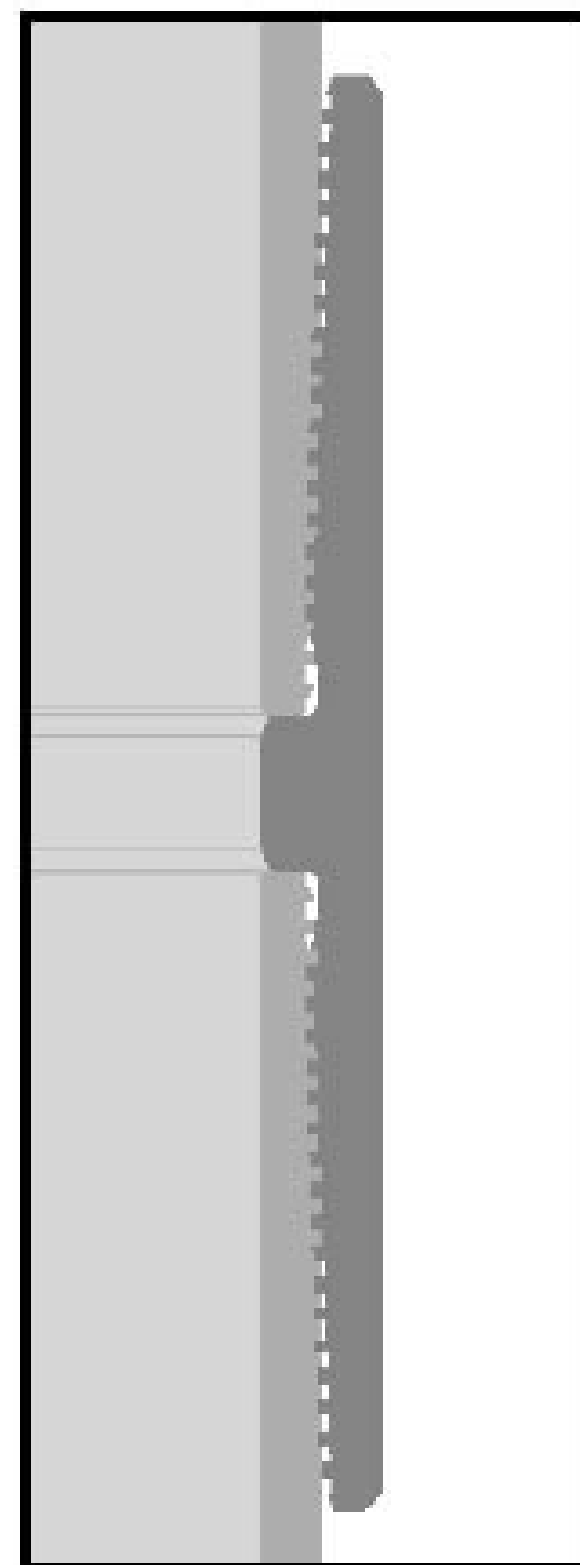
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2/6/2015



DWC Connection Data Notes:

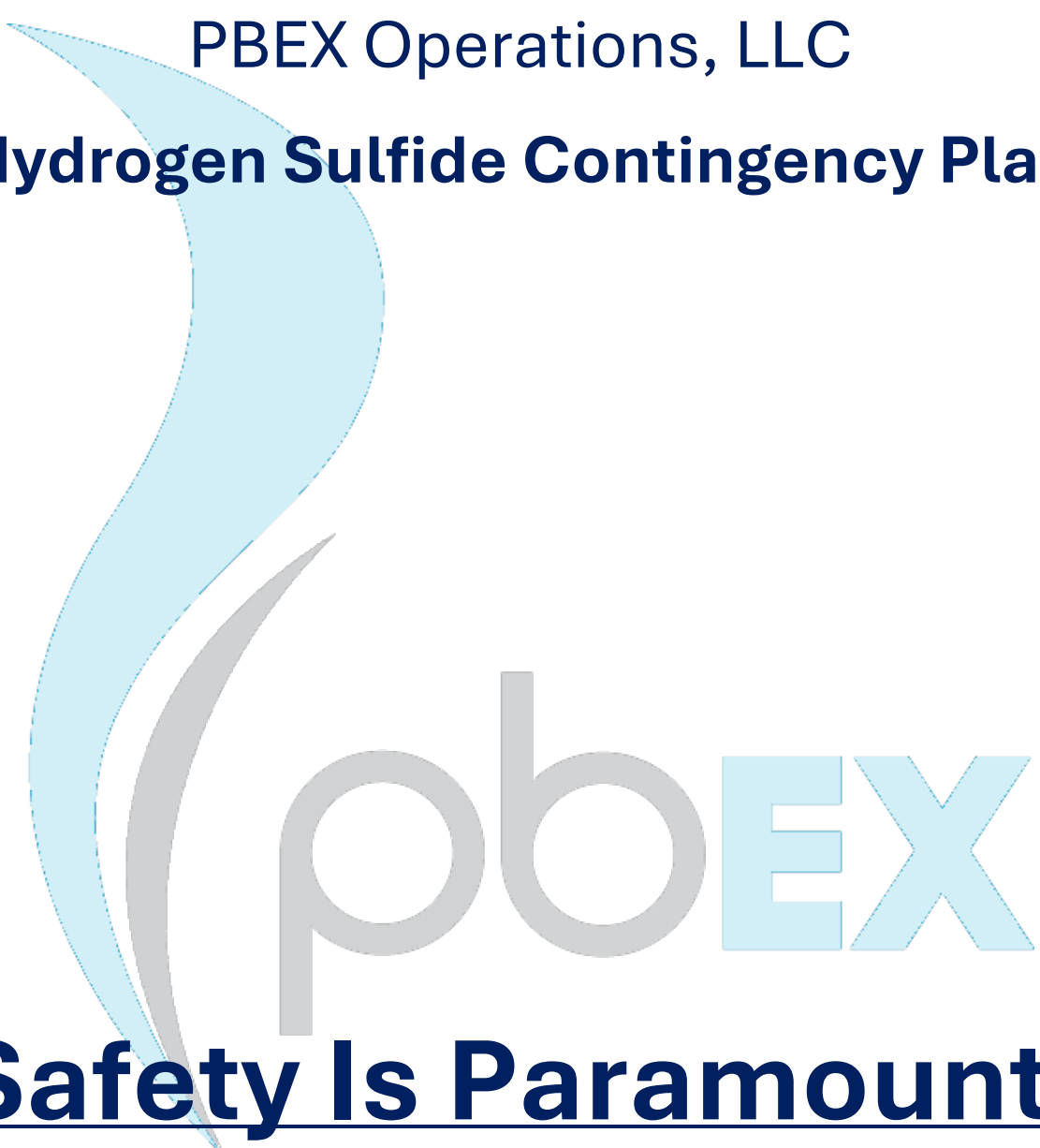
1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection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



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2/6/2015



PBEX Operations, LLC

Hydrogen Sulfide Contingency Plan

Safety Is Paramount!

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

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

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1. INTRODUCTION

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

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

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

2. PURPOSE

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

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

In the event there is an accidental H2S release:

- Notify and protect the general public.

- Notify the state and local government agencies.

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

This is a mandatory notification.

A. OPERATING PROCEDURES

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

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

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

GENERAL:

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

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



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

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

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

C. DRILLING BELOW CONTINGENCY PLAN DEPTH

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

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

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

D. PROCEDURES PROGRAM

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

E. GENERAL

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



3. EMERGENCY PHONE NUMBERS

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



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

Emergency Call Guidance

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

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



4. CONDITIONS AND EMERGENCY PROCEDURES

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

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



A. Definition of Operational “Conditions”

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

B. H2S Emergency Procedures- On-Site Personnel

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

Do Not Panic!

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

1. Responsibilities of Well-Site Personnel

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

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

a. Well-Site Representatives

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

b. On-Site Supervisor

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

c. H2S Safety Company Representative

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



5. SAFETY EQUIPMENT

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

6. TOXICITY OF VARIOUS GASES

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

1 Air = 1.0

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

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

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

7. PROPERTIES OF GASES

1. CARBON DIOXIDE

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

2. HYDROGEN SULFIDE

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



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

3. SULPHUR DIOXIDE

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

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

8. EVACUATION OF THE GENERAL PUBLIC

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

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

PLEASE REFER TO UPDATED INFORMATION PROVIDED IN APPROVED NOI/CHANGE OF PLANS



EX

Location (NAD 83)

Section 32E

Block and Com 301H

Manhole #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 301H
Company:	PBEX	TVD Reference:	GE 3693' + KB 30' @ 3723.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3693' + KB 30' @ 3723.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 301H	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 301H					
Well Position	+N/-S	0.00 usft	Northing:	621,199.66 usft	Latitude:	32.70653915
	+E/-W	0.00 usft	Easting:	708,691.47 usft	Longitude:	-103.78925092
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,723.00 usft	Ground Level:	3,693.00 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	47,436.70000000

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	23,695.56 Plan 1 (Wellbore #1)	MWD+IFR1+MS		
			OWSG MWD + IFR1 + Multi-St		



Planning Report



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Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3693' + KB 30' @ 3723.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 301H	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	
2,044.38	10.89	350.23	2,041.11	50.82	-8.75	2.00	2.00	0.00	350.23	
8,987.13	10.89	350.23	8,858.89	1,343.18	-231.22	0.00	0.00	0.00	0.00	
9,531.51	0.00	0.00	9,400.00	1,394.00	-239.97	2.00	-2.00	0.00	180.00	
9,708.55	0.00	0.00	9,577.04	1,394.00	-239.97	0.00	0.00	0.00	0.00	
10,608.55	90.00	89.83	10,150.00	1,395.71	332.99	10.00	10.00	9.98	89.83	
23,605.56	90.00	89.83	10,150.00	1,434.56	13,329.93	0.00	0.00	0.00	0.00	
23,695.56	90.00	89.83	10,150.00	1,434.83	13,419.93	0.00	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 301H
Company:	PBEX	TVD Reference:	GE 3693' + KB 30' @ 3723.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3693' + KB 30' @ 3723.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 301H	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	350.23	1,599.98	1.72	-0.30	-0.30	2.00	2.00	0.00
1,700.00	4.00	350.23	1,699.84	6.88	-1.18	-1.18	2.00	2.00	0.00
1,800.00	6.00	350.23	1,799.45	15.47	-2.66	-2.66	2.00	2.00	0.00
1,900.00	8.00	350.23	1,898.70	27.48	-4.73	-4.73	2.00	2.00	0.00
2,000.00	10.00	350.23	1,997.47	42.89	-7.38	-7.38	2.00	2.00	0.00
2,044.38	10.89	350.23	2,041.11	50.82	-8.75	-8.75	2.00	2.00	0.00
Start 6942.75 hold at 2044.38 MD									
2,100.00	10.89	350.23	2,095.73	61.17	-10.53	-10.53	0.00	0.00	0.00
2,200.00	10.89	350.23	2,193.93	79.79	-13.74	-13.74	0.00	0.00	0.00
2,300.00	10.89	350.23	2,292.13	98.40	-16.94	-16.94	0.00	0.00	0.00
2,400.00	10.89	350.23	2,390.33	117.02	-20.14	-20.14	0.00	0.00	0.00
2,500.00	10.89	350.23	2,488.53	135.63	-23.35	-23.35	0.00	0.00	0.00
2,600.00	10.89	350.23	2,586.73	154.25	-26.55	-26.55	0.00	0.00	0.00
2,700.00	10.89	350.23	2,684.93	172.86	-29.76	-29.76	0.00	0.00	0.00
2,800.00	10.89	350.23	2,783.13	191.47	-32.96	-32.96	0.00	0.00	0.00
2,900.00	10.89	350.23	2,881.33	210.09	-36.17	-36.17	0.00	0.00	0.00
3,000.00	10.89	350.23	2,979.53	228.70	-39.37	-39.37	0.00	0.00	0.00
3,100.00	10.89	350.23	3,077.73	247.32	-42.57	-42.57	0.00	0.00	0.00
3,200.00	10.89	350.23	3,175.93	265.93	-45.78	-45.78	0.00	0.00	0.00
3,300.00	10.89	350.23	3,274.13	284.55	-48.98	-48.98	0.00	0.00	0.00
3,400.00	10.89	350.23	3,372.33	303.16	-52.19	-52.19	0.00	0.00	0.00
3,500.00	10.89	350.23	3,470.53	321.78	-55.39	-55.39	0.00	0.00	0.00
3,600.00	10.89	350.23	3,568.73	340.39	-58.60	-58.60	0.00	0.00	0.00
3,700.00	10.89	350.23	3,666.93	359.01	-61.80	-61.80	0.00	0.00	0.00
3,800.00	10.89	350.23	3,765.13	377.62	-65.01	-65.01	0.00	0.00	0.00
3,900.00	10.89	350.23	3,863.33	396.23	-68.21	-68.21	0.00	0.00	0.00
4,000.00	10.89	350.23	3,961.53	414.85	-71.41	-71.41	0.00	0.00	0.00
4,100.00	10.89	350.23	4,059.73	433.46	-74.62	-74.62	0.00	0.00	0.00
4,200.00	10.89	350.23	4,157.93	452.08	-77.82	-77.82	0.00	0.00	0.00
4,300.00	10.89	350.23	4,256.13	470.69	-81.03	-81.03	0.00	0.00	0.00
4,400.00	10.89	350.23	4,354.33	489.31	-84.23	-84.23	0.00	0.00	0.00
4,500.00	10.89	350.23	4,452.53	507.92	-87.44	-87.44	0.00	0.00	0.00
4,600.00	10.89	350.23	4,550.73	526.54	-90.64	-90.64	0.00	0.00	0.00
4,700.00	10.89	350.23	4,648.93	545.15	-93.84	-93.84	0.00	0.00	0.00
4,800.00	10.89	350.23	4,747.13	563.77	-97.05	-97.05	0.00	0.00	0.00
4,900.00	10.89	350.23	4,845.33	582.38	-100.25	-100.25	0.00	0.00	0.00
5,000.00	10.89	350.23	4,943.53	600.99	-103.46	-103.46	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 301H
Company:	PBEX	TVD Reference:	GE 3693' + KB 30' @ 3723.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3693' + KB 30' @ 3723.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.00	10.89	350.23	5,041.73	619.61	-106.66	-106.66	0.00	0.00	0.00	
5,200.00	10.89	350.23	5,139.93	638.22	-109.87	-109.87	0.00	0.00	0.00	
5,300.00	10.89	350.23	5,238.13	656.84	-113.07	-113.07	0.00	0.00	0.00	
5,400.00	10.89	350.23	5,336.33	675.45	-116.28	-116.28	0.00	0.00	0.00	
5,500.00	10.89	350.23	5,434.53	694.07	-119.48	-119.48	0.00	0.00	0.00	
5,600.00	10.89	350.23	5,532.73	712.68	-122.68	-122.68	0.00	0.00	0.00	
5,700.00	10.89	350.23	5,630.93	731.30	-125.89	-125.89	0.00	0.00	0.00	
5,800.00	10.89	350.23	5,729.13	749.91	-129.09	-129.09	0.00	0.00	0.00	
5,900.00	10.89	350.23	5,827.33	768.53	-132.30	-132.30	0.00	0.00	0.00	
6,000.00	10.89	350.23	5,925.53	787.14	-135.50	-135.50	0.00	0.00	0.00	
6,100.00	10.89	350.23	6,023.73	805.75	-138.71	-138.71	0.00	0.00	0.00	
6,200.00	10.89	350.23	6,121.93	824.37	-141.91	-141.91	0.00	0.00	0.00	
6,300.00	10.89	350.23	6,220.13	842.98	-145.12	-145.12	0.00	0.00	0.00	
6,400.00	10.89	350.23	6,318.33	861.60	-148.32	-148.32	0.00	0.00	0.00	
6,500.00	10.89	350.23	6,416.53	880.21	-151.52	-151.52	0.00	0.00	0.00	
6,600.00	10.89	350.23	6,514.73	898.83	-154.73	-154.73	0.00	0.00	0.00	
6,700.00	10.89	350.23	6,612.93	917.44	-157.93	-157.93	0.00	0.00	0.00	
6,800.00	10.89	350.23	6,711.13	936.06	-161.14	-161.14	0.00	0.00	0.00	
6,900.00	10.89	350.23	6,809.33	954.67	-164.34	-164.34	0.00	0.00	0.00	
7,000.00	10.89	350.23	6,907.53	973.28	-167.55	-167.55	0.00	0.00	0.00	
7,100.00	10.89	350.23	7,005.73	991.90	-170.75	-170.75	0.00	0.00	0.00	
7,200.00	10.89	350.23	7,103.93	1,010.51	-173.95	-173.95	0.00	0.00	0.00	
7,300.00	10.89	350.23	7,202.13	1,029.13	-177.16	-177.16	0.00	0.00	0.00	
7,400.00	10.89	350.23	7,300.33	1,047.74	-180.36	-180.36	0.00	0.00	0.00	
7,500.00	10.89	350.23	7,398.53	1,066.36	-183.57	-183.57	0.00	0.00	0.00	
7,600.00	10.89	350.23	7,496.73	1,084.97	-186.77	-186.77	0.00	0.00	0.00	
7,700.00	10.89	350.23	7,594.93	1,103.59	-189.98	-189.98	0.00	0.00	0.00	
7,800.00	10.89	350.23	7,693.13	1,122.20	-193.18	-193.18	0.00	0.00	0.00	
7,900.00	10.89	350.23	7,791.33	1,140.82	-196.39	-196.39	0.00	0.00	0.00	
8,000.00	10.89	350.23	7,889.53	1,159.43	-199.59	-199.59	0.00	0.00	0.00	
8,100.00	10.89	350.23	7,987.73	1,178.04	-202.79	-202.79	0.00	0.00	0.00	
8,200.00	10.89	350.23	8,085.93	1,196.66	-206.00	-206.00	0.00	0.00	0.00	
8,300.00	10.89	350.23	8,184.13	1,215.27	-209.20	-209.20	0.00	0.00	0.00	
8,400.00	10.89	350.23	8,282.33	1,233.89	-212.41	-212.41	0.00	0.00	0.00	
8,500.00	10.89	350.23	8,380.53	1,252.50	-215.61	-215.61	0.00	0.00	0.00	
8,600.00	10.89	350.23	8,478.73	1,271.12	-218.82	-218.82	0.00	0.00	0.00	
8,700.00	10.89	350.23	8,576.93	1,289.73	-222.02	-222.02	0.00	0.00	0.00	
8,800.00	10.89	350.23	8,675.13	1,308.35	-225.23	-225.23	0.00	0.00	0.00	
8,900.00	10.89	350.23	8,773.33	1,326.96	-228.43	-228.43	0.00	0.00	0.00	
8,987.13	10.89	350.23	8,858.89	1,343.18	-231.22	-231.22	0.00	0.00	0.00	
Start Drop -2.00										
9,000.00	10.63	350.23	8,871.53	1,345.55	-231.63	-231.63	2.00	-2.00	0.00	
9,100.00	8.63	350.23	8,970.12	1,362.03	-234.47	-234.47	2.00	-2.00	0.00	
9,200.00	6.63	350.23	9,069.23	1,375.12	-236.72	-236.72	2.00	-2.00	0.00	
9,300.00	4.63	350.23	9,168.74	1,384.79	-238.38	-238.38	2.00	-2.00	0.00	
9,400.00	2.63	350.23	9,268.53	1,391.03	-239.46	-239.46	2.00	-2.00	0.00	
9,500.00	0.63	350.23	9,368.49	1,393.83	-239.94	-239.94	2.00	-2.00	0.00	
9,531.51	0.00	0.00	9,400.00	1,394.00	-239.97	-239.97	2.00	-2.00	0.00	
Start 177.04 hold at 9531.51 MD										
9,600.00	0.00	0.00	9,468.49	1,394.00	-239.97	-239.97	0.00	0.00	0.00	
9,708.55	0.00	0.00	9,577.04	1,394.00	-239.97	-239.97	0.00	0.00	0.00	
Start DLS 10.00 TFO 89.83										
9,750.00	4.14	89.83	9,618.45	1,394.00	-238.47	-238.47	10.00	10.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 301H
Company:	PBEX	TVD Reference:	GE 3693' + KB 30' @ 3723.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3693' + KB 30' @ 3723.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,800.00	9.14	89.83	9,668.10	1,394.02	-232.69	-232.69	10.00	10.00	0.00	
9,850.00	14.14	89.83	9,717.05	1,394.05	-222.60	-222.60	10.00	10.00	0.00	
9,900.00	19.14	89.83	9,764.94	1,394.09	-208.28	-208.28	10.00	10.00	0.00	
9,950.00	24.14	89.83	9,811.40	1,394.15	-189.85	-189.85	10.00	10.00	0.00	
10,000.00	29.14	89.83	9,856.08	1,394.22	-167.43	-167.43	10.00	10.00	0.00	
10,050.00	34.14	89.83	9,898.63	1,394.30	-141.21	-141.21	10.00	10.00	0.00	
10,100.00	39.14	89.83	9,938.74	1,394.38	-111.37	-111.37	10.00	10.00	0.00	
10,150.00	44.14	89.83	9,976.09	1,394.48	-78.16	-78.16	10.00	10.00	0.00	
10,200.00	49.14	89.83	10,010.40	1,394.59	-41.81	-41.81	10.00	10.00	0.00	
10,250.00	54.14	89.83	10,041.42	1,394.71	-2.62	-2.62	10.00	10.00	0.00	
10,300.00	59.14	89.83	10,068.90	1,394.83	39.13	39.13	10.00	10.00	0.00	
10,350.00	64.14	89.83	10,092.64	1,394.97	83.12	83.12	10.00	10.00	0.00	
10,400.00	69.14	89.83	10,112.46	1,395.10	129.01	129.01	10.00	10.00	0.00	
10,450.00	74.14	89.83	10,128.20	1,395.24	176.45	176.45	10.00	10.00	0.00	
10,500.00	79.14	89.83	10,139.75	1,395.39	225.08	225.08	10.00	10.00	0.00	
10,550.00	84.14	89.83	10,147.01	1,395.54	274.53	274.53	10.00	10.00	0.00	
10,600.00	89.14	89.83	10,149.93	1,395.69	324.43	324.43	10.00	10.00	0.00	
10,608.55	90.00	89.83	10,150.00	1,395.71	332.99	332.99	10.00	10.00	0.00	
Start 12997.00 hold at 10608.55 MD										
10,700.00	90.00	89.83	10,150.00	1,395.99	424.43	424.43	0.00	0.00	0.00	
10,800.00	90.00	89.83	10,150.00	1,396.28	524.43	524.43	0.00	0.00	0.00	
10,900.00	90.00	89.83	10,150.00	1,396.58	624.43	624.43	0.00	0.00	0.00	
11,000.00	90.00	89.83	10,150.00	1,396.88	724.43	724.43	0.00	0.00	0.00	
11,100.00	90.00	89.83	10,150.00	1,397.18	824.43	824.43	0.00	0.00	0.00	
11,200.00	90.00	89.83	10,150.00	1,397.48	924.43	924.43	0.00	0.00	0.00	
11,300.00	90.00	89.83	10,150.00	1,397.78	1,024.43	1,024.43	0.00	0.00	0.00	
11,400.00	90.00	89.83	10,150.00	1,398.08	1,124.43	1,124.43	0.00	0.00	0.00	
11,500.00	90.00	89.83	10,150.00	1,398.38	1,224.43	1,224.43	0.00	0.00	0.00	
11,600.00	90.00	89.83	10,150.00	1,398.68	1,324.43	1,324.43	0.00	0.00	0.00	
11,700.00	90.00	89.83	10,150.00	1,398.97	1,424.43	1,424.43	0.00	0.00	0.00	
11,800.00	90.00	89.83	10,150.00	1,399.27	1,524.43	1,524.43	0.00	0.00	0.00	
11,900.00	90.00	89.83	10,150.00	1,399.57	1,624.43	1,624.43	0.00	0.00	0.00	
12,000.00	90.00	89.83	10,150.00	1,399.87	1,724.43	1,724.43	0.00	0.00	0.00	
12,100.00	90.00	89.83	10,150.00	1,400.17	1,824.43	1,824.43	0.00	0.00	0.00	
12,200.00	90.00	89.83	10,150.00	1,400.47	1,924.42	1,924.42	0.00	0.00	0.00	
12,300.00	90.00	89.83	10,150.00	1,400.77	2,024.42	2,024.42	0.00	0.00	0.00	
12,400.00	90.00	89.83	10,150.00	1,401.07	2,124.42	2,124.42	0.00	0.00	0.00	
12,500.00	90.00	89.83	10,150.00	1,401.37	2,224.42	2,224.42	0.00	0.00	0.00	
12,600.00	90.00	89.83	10,150.00	1,401.66	2,324.42	2,324.42	0.00	0.00	0.00	
12,700.00	90.00	89.83	10,150.00	1,401.96	2,424.42	2,424.42	0.00	0.00	0.00	
12,800.00	90.00	89.83	10,150.00	1,402.26	2,524.42	2,524.42	0.00	0.00	0.00	
12,900.00	90.00	89.83	10,150.00	1,402.56	2,624.42	2,624.42	0.00	0.00	0.00	
13,000.00	90.00	89.83	10,150.00	1,402.86	2,724.42	2,724.42	0.00	0.00	0.00	
13,100.00	90.00	89.83	10,150.00	1,403.16	2,824.42	2,824.42	0.00	0.00	0.00	
13,200.00	90.00	89.83	10,150.00	1,403.46	2,924.42	2,924.42	0.00	0.00	0.00	
13,300.00	90.00	89.83	10,150.00	1,403.76	3,024.42	3,024.42	0.00	0.00	0.00	
13,400.00	90.00	89.83	10,150.00	1,404.06	3,124.42	3,124.42	0.00	0.00	0.00	
13,500.00	90.00	89.83	10,150.00	1,404.35	3,224.42	3,224.42	0.00	0.00	0.00	
13,600.00	90.00	89.83	10,150.00	1,404.65	3,324.42	3,324.42	0.00	0.00	0.00	
13,700.00	90.00	89.83	10,150.00	1,404.95	3,424.42	3,424.42	0.00	0.00	0.00	
13,800.00	90.00	89.83	10,150.00	1,405.25	3,524.42	3,524.42	0.00	0.00	0.00	
13,900.00	90.00	89.83	10,150.00	1,405.55	3,624.42	3,624.42	0.00	0.00	0.00	
14,000.00	90.00	89.83	10,150.00	1,405.85	3,724.42	3,724.42	0.00	0.00	0.00	
14,100.00	90.00	89.83	10,150.00	1,406.15	3,824.42	3,824.42	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 301H
Company:	PBEX	TVD Reference:	GE 3693' + KB 30' @ 3723.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3693' + KB 30' @ 3723.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 301H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,200.00	90.00	89.83	10,150.00	1,406.45	3,924.42	3,924.42	0.00	0.00	0.00
14,300.00	90.00	89.83	10,150.00	1,406.75	4,024.42	4,024.42	0.00	0.00	0.00
14,400.00	90.00	89.83	10,150.00	1,407.05	4,124.42	4,124.42	0.00	0.00	0.00
14,500.00	90.00	89.83	10,150.00	1,407.34	4,224.41	4,224.41	0.00	0.00	0.00
14,600.00	90.00	89.83	10,150.00	1,407.64	4,324.41	4,324.41	0.00	0.00	0.00
14,700.00	90.00	89.83	10,150.00	1,407.94	4,424.41	4,424.41	0.00	0.00	0.00
14,800.00	90.00	89.83	10,150.00	1,408.24	4,524.41	4,524.41	0.00	0.00	0.00
14,900.00	90.00	89.83	10,150.00	1,408.54	4,624.41	4,624.41	0.00	0.00	0.00
15,000.00	90.00	89.83	10,150.00	1,408.84	4,724.41	4,724.41	0.00	0.00	0.00
15,100.00	90.00	89.83	10,150.00	1,409.14	4,824.41	4,824.41	0.00	0.00	0.00
15,200.00	90.00	89.83	10,150.00	1,409.44	4,924.41	4,924.41	0.00	0.00	0.00
15,300.00	90.00	89.83	10,150.00	1,409.74	5,024.41	5,024.41	0.00	0.00	0.00
15,400.00	90.00	89.83	10,150.00	1,410.03	5,124.41	5,124.41	0.00	0.00	0.00
15,500.00	90.00	89.83	10,150.00	1,410.33	5,224.41	5,224.41	0.00	0.00	0.00
15,600.00	90.00	89.83	10,150.00	1,410.63	5,324.41	5,324.41	0.00	0.00	0.00
15,700.00	90.00	89.83	10,150.00	1,410.93	5,424.41	5,424.41	0.00	0.00	0.00
15,800.00	90.00	89.83	10,150.00	1,411.23	5,524.41	5,524.41	0.00	0.00	0.00
15,900.00	90.00	89.83	10,150.00	1,411.53	5,624.41	5,624.41	0.00	0.00	0.00
16,000.00	90.00	89.83	10,150.00	1,411.83	5,724.41	5,724.41	0.00	0.00	0.00
16,100.00	90.00	89.83	10,150.00	1,412.13	5,824.41	5,824.41	0.00	0.00	0.00
16,200.00	90.00	89.83	10,150.00	1,412.43	5,924.41	5,924.41	0.00	0.00	0.00
16,300.00	90.00	89.83	10,150.00	1,412.72	6,024.41	6,024.41	0.00	0.00	0.00
16,400.00	90.00	89.83	10,150.00	1,413.02	6,124.41	6,124.41	0.00	0.00	0.00
16,500.00	90.00	89.83	10,150.00	1,413.32	6,224.41	6,224.41	0.00	0.00	0.00
16,600.00	90.00	89.83	10,150.00	1,413.62	6,324.41	6,324.41	0.00	0.00	0.00
16,700.00	90.00	89.83	10,150.00	1,413.92	6,424.40	6,424.40	0.00	0.00	0.00
16,800.00	90.00	89.83	10,150.00	1,414.22	6,524.40	6,524.40	0.00	0.00	0.00
16,900.00	90.00	89.83	10,150.00	1,414.52	6,624.40	6,624.40	0.00	0.00	0.00
17,000.00	90.00	89.83	10,150.00	1,414.82	6,724.40	6,724.40	0.00	0.00	0.00
17,100.00	90.00	89.83	10,150.00	1,415.12	6,824.40	6,824.40	0.00	0.00	0.00
17,200.00	90.00	89.83	10,150.00	1,415.41	6,924.40	6,924.40	0.00	0.00	0.00
17,300.00	90.00	89.83	10,150.00	1,415.71	7,024.40	7,024.40	0.00	0.00	0.00
17,400.00	90.00	89.83	10,150.00	1,416.01	7,124.40	7,124.40	0.00	0.00	0.00
17,500.00	90.00	89.83	10,150.00	1,416.31	7,224.40	7,224.40	0.00	0.00	0.00
17,600.00	90.00	89.83	10,150.00	1,416.61	7,324.40	7,324.40	0.00	0.00	0.00
17,700.00	90.00	89.83	10,150.00	1,416.91	7,424.40	7,424.40	0.00	0.00	0.00
17,800.00	90.00	89.83	10,150.00	1,417.21	7,524.40	7,524.40	0.00	0.00	0.00
17,900.00	90.00	89.83	10,150.00	1,417.51	7,624.40	7,624.40	0.00	0.00	0.00
18,000.00	90.00	89.83	10,150.00	1,417.81	7,724.40	7,724.40	0.00	0.00	0.00
18,100.00	90.00	89.83	10,150.00	1,418.10	7,824.40	7,824.40	0.00	0.00	0.00
18,200.00	90.00	89.83	10,150.00	1,418.40	7,924.40	7,924.40	0.00	0.00	0.00
18,300.00	90.00	89.83	10,150.00	1,418.70	8,024.40	8,024.40	0.00	0.00	0.00
18,400.00	90.00	89.83	10,150.00	1,419.00	8,124.40	8,124.40	0.00	0.00	0.00
18,500.00	90.00	89.83	10,150.00	1,419.30	8,224.40	8,224.40	0.00	0.00	0.00
18,600.00	90.00	89.83	10,150.00	1,419.60	8,324.40	8,324.40	0.00	0.00	0.00
18,700.00	90.00	89.83	10,150.00	1,419.90	8,424.40	8,424.40	0.00	0.00	0.00
18,800.00	90.00	89.83	10,150.00	1,420.20	8,524.40	8,524.40	0.00	0.00	0.00
18,900.00	90.00	89.83	10,150.00	1,420.50	8,624.40	8,624.40	0.00	0.00	0.00
19,000.00	90.00	89.83	10,150.00	1,420.79	8,724.39	8,724.39	0.00	0.00	0.00
19,100.00	90.00	89.83	10,150.00	1,421.09	8,824.39	8,824.39	0.00	0.00	0.00
19,200.00	90.00	89.83	10,150.00	1,421.39	8,924.39	8,924.39	0.00	0.00	0.00
19,300.00	90.00	89.83	10,150.00	1,421.69	9,024.39	9,024.39	0.00	0.00	0.00
19,400.00	90.00	89.83	10,150.00	1,421.99	9,124.39	9,124.39	0.00	0.00	0.00
19,500.00	90.00	89.83	10,150.00	1,422.29	9,224.39	9,224.39	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 301H
Company:	PBEX	TVD Reference:	GE 3693' + KB 30' @ 3723.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3693' + KB 30' @ 3723.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 301H	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)
19,600.00	90.00	89.83	10,150.00	1,422.59	9,324.39	9,324.39	0.00	0.00	0.00
19,700.00	90.00	89.83	10,150.00	1,422.89	9,424.39	9,424.39	0.00	0.00	0.00
19,800.00	90.00	89.83	10,150.00	1,423.19	9,524.39	9,524.39	0.00	0.00	0.00
19,900.00	90.00	89.83	10,150.00	1,423.48	9,624.39	9,624.39	0.00	0.00	0.00
20,000.00	90.00	89.83	10,150.00	1,423.78	9,724.39	9,724.39	0.00	0.00	0.00
20,100.00	90.00	89.83	10,150.00	1,424.08	9,824.39	9,824.39	0.00	0.00	0.00
20,200.00	90.00	89.83	10,150.00	1,424.38	9,924.39	9,924.39	0.00	0.00	0.00
20,300.00	90.00	89.83	10,150.00	1,424.68	10,024.39	10,024.39	0.00	0.00	0.00
20,400.00	90.00	89.83	10,150.00	1,424.98	10,124.39	10,124.39	0.00	0.00	0.00
20,500.00	90.00	89.83	10,150.00	1,425.28	10,224.39	10,224.39	0.00	0.00	0.00
20,600.00	90.00	89.83	10,150.00	1,425.58	10,324.39	10,324.39	0.00	0.00	0.00
20,700.00	90.00	89.83	10,150.00	1,425.88	10,424.39	10,424.39	0.00	0.00	0.00
20,800.00	90.00	89.83	10,150.00	1,426.17	10,524.39	10,524.39	0.00	0.00	0.00
20,900.00	90.00	89.83	10,150.00	1,426.47	10,624.39	10,624.39	0.00	0.00	0.00
21,000.00	90.00	89.83	10,150.00	1,426.77	10,724.39	10,724.39	0.00	0.00	0.00
21,100.00	90.00	89.83	10,150.00	1,427.07	10,824.39	10,824.39	0.00	0.00	0.00
21,200.00	90.00	89.83	10,150.00	1,427.37	10,924.38	10,924.38	0.00	0.00	0.00
21,300.00	90.00	89.83	10,150.00	1,427.67	11,024.38	11,024.38	0.00	0.00	0.00
21,400.00	90.00	89.83	10,150.00	1,427.97	11,124.38	11,124.38	0.00	0.00	0.00
21,500.00	90.00	89.83	10,150.00	1,428.27	11,224.38	11,224.38	0.00	0.00	0.00
21,600.00	90.00	89.83	10,150.00	1,428.57	11,324.38	11,324.38	0.00	0.00	0.00
21,700.00	90.00	89.83	10,150.00	1,428.86	11,424.38	11,424.38	0.00	0.00	0.00
21,800.00	90.00	89.83	10,150.00	1,429.16	11,524.38	11,524.38	0.00	0.00	0.00
21,900.00	90.00	89.83	10,150.00	1,429.46	11,624.38	11,624.38	0.00	0.00	0.00
22,000.00	90.00	89.83	10,150.00	1,429.76	11,724.38	11,724.38	0.00	0.00	0.00
22,100.00	90.00	89.83	10,150.00	1,430.06	11,824.38	11,824.38	0.00	0.00	0.00
22,200.00	90.00	89.83	10,150.00	1,430.36	11,924.38	11,924.38	0.00	0.00	0.00
22,300.00	90.00	89.83	10,150.00	1,430.66	12,024.38	12,024.38	0.00	0.00	0.00
22,400.00	90.00	89.83	10,150.00	1,430.96	12,124.38	12,124.38	0.00	0.00	0.00
22,500.00	90.00	89.83	10,150.00	1,431.26	12,224.38	12,224.38	0.00	0.00	0.00
22,600.00	90.00	89.83	10,150.00	1,431.55	12,324.38	12,324.38	0.00	0.00	0.00
22,700.00	90.00	89.83	10,150.00	1,431.85	12,424.38	12,424.38	0.00	0.00	0.00
22,800.00	90.00	89.83	10,150.00	1,432.15	12,524.38	12,524.38	0.00	0.00	0.00
22,900.00	90.00	89.83	10,150.00	1,432.45	12,624.38	12,624.38	0.00	0.00	0.00
23,000.00	90.00	89.83	10,150.00	1,432.75	12,724.38	12,724.38	0.00	0.00	0.00
23,100.00	90.00	89.83	10,150.00	1,433.05	12,824.38	12,824.38	0.00	0.00	0.00
23,200.00	90.00	89.83	10,150.00	1,433.35	12,924.38	12,924.38	0.00	0.00	0.00
23,300.00	90.00	89.83	10,150.00	1,433.65	13,024.38	13,024.38	0.00	0.00	0.00
23,400.00	90.00	89.83	10,150.00	1,433.95	13,124.38	13,124.38	0.00	0.00	0.00
23,500.00	90.00	89.83	10,150.00	1,434.24	13,224.37	13,224.37	0.00	0.00	0.00
23,605.56	90.00	89.83	10,150.00	1,434.56	13,329.93	13,329.93	0.00	0.00	0.00
Start 90.00 hold at 23605.56 MD									
23,695.56	90.00	89.83	10,150.00	1,434.83	13,419.93	13,419.93	0.00	0.00	0.00
TD at 23695.56									



Planning Report



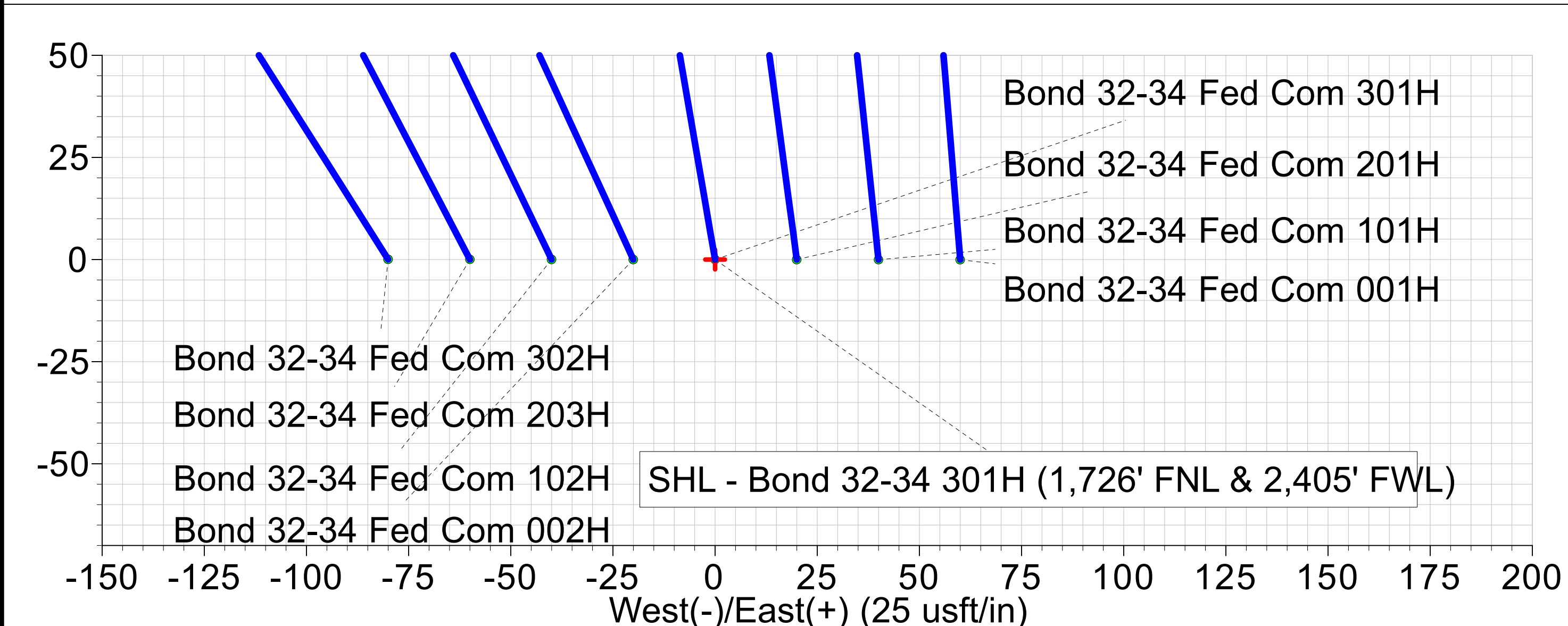
Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Bond 32-34 Fed Com 301H
Company:	PBEX	TVD Reference:	GE 3693' + KB 30' @ 3723.00usft
Project:	Lea, County NM (NAD 83)	MD Reference:	GE 3693' + KB 30' @ 3723.00usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	Bond 32-34 Fed Com 301H	Survey 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 301H - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	621,199.66	708,691.47	32.70653915	-103.78925092
KOP - Bond 32-34 301H - plan hits target center - Point	0.00	0.00	9,577.04	1,394.00	-239.97	622,593.66	708,451.50	32.71037404	-103.79000783
PP2 - Bond 32-34 301H - plan misses target center by 0.16usft at 13148.56usft MD (10150.00 TVD, 1403.30 N, 2872.98 E) - Point	0.00	0.00	10,150.00	1,403.46	2,872.98	622,603.12	711,564.45	32.71035579	-103.77988716
PP3 - Bond 32-34 301H - plan misses target center by 0.92usft at 15785.45usft MD (10150.00 TVD, 1411.19 N, 5509.86 E) - Point	0.00	0.00	10,150.00	1,410.27	5,509.86	622,609.93	714,201.33	32.71033638	-103.77131431
BHL - Bond 32-34 301H - plan misses target center by 0.04usft at 23695.56usft MD (10150.00 TVD, 1434.83 N, 13419.93 E) - Point	0.00	0.00	10,150.00	1,434.87	13,419.93	622,634.53	722,111.40	32.71028611	-103.74559760
PP4 - Bond 32-34 301H - plan misses target center by 1.98usft at 18422.08usft MD (10150.00 TVD, 1419.07 N, 8146.47 E) - Point	0.00	0.00	10,150.00	1,417.09	8,146.48	622,616.75	716,837.95	32.71031642	-103.76274231
LTP - Bond 32-34 301H - plan hits target center - Point	0.00	0.00	10,150.00	1,434.56	13,329.93	622,634.22	722,021.40	32.71028663	-103.74589020
FTP - Bond 32-34 301H - plan misses target center by 0.86usft at 10608.56usft MD (10150.00 TVD, 1395.71 N, 332.99 E) - Point	0.00	0.00	10,150.00	1,396.57	332.99	622,596.23	709,024.46	32.71037302	-103.78814503

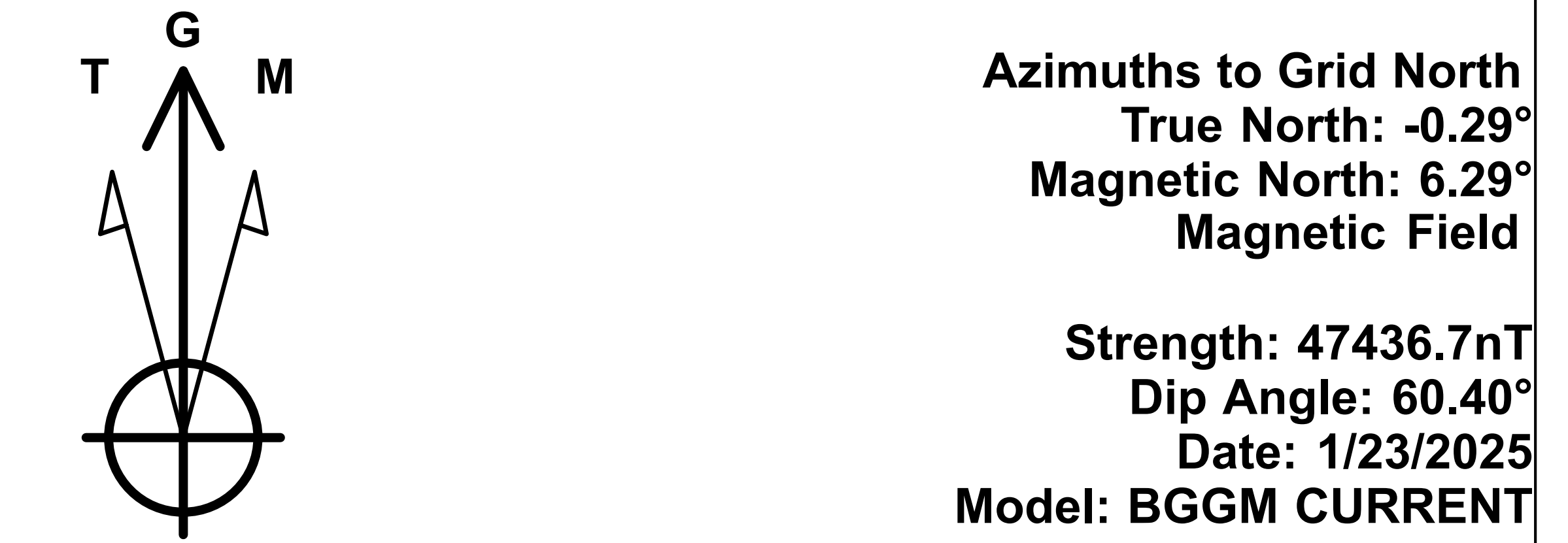
Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
23,695.56	10,150.00	20" Casing	20	24	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.00	1,500.00	0.00	0.00	Start Build 2.00	
2,044.38	2,041.11	50.82	-8.75	Start 6942.75 hold at 2044.38 MD	
8,987.13	8,858.89	1,343.18	-231.22	Start Drop -2.00	
9,531.51	9,400.00	1,394.00	-239.97	Start 177.04 hold at 9531.51 MD	
9,708.55	9,577.04	1,394.00	-239.97	Start DLS 10.00 TFO 89.83	
10,608.55	10,150.00	1,395.71	332.99	Start 12997.00 hold at 10608.55 MD	
23,605.56	10,150.00	1,434.56	13,329.93	Start 90.00 hold at 23605.56 MD	
23,695.56	10,150.00	1,434.83	13,419.93	TD at 23695.56	

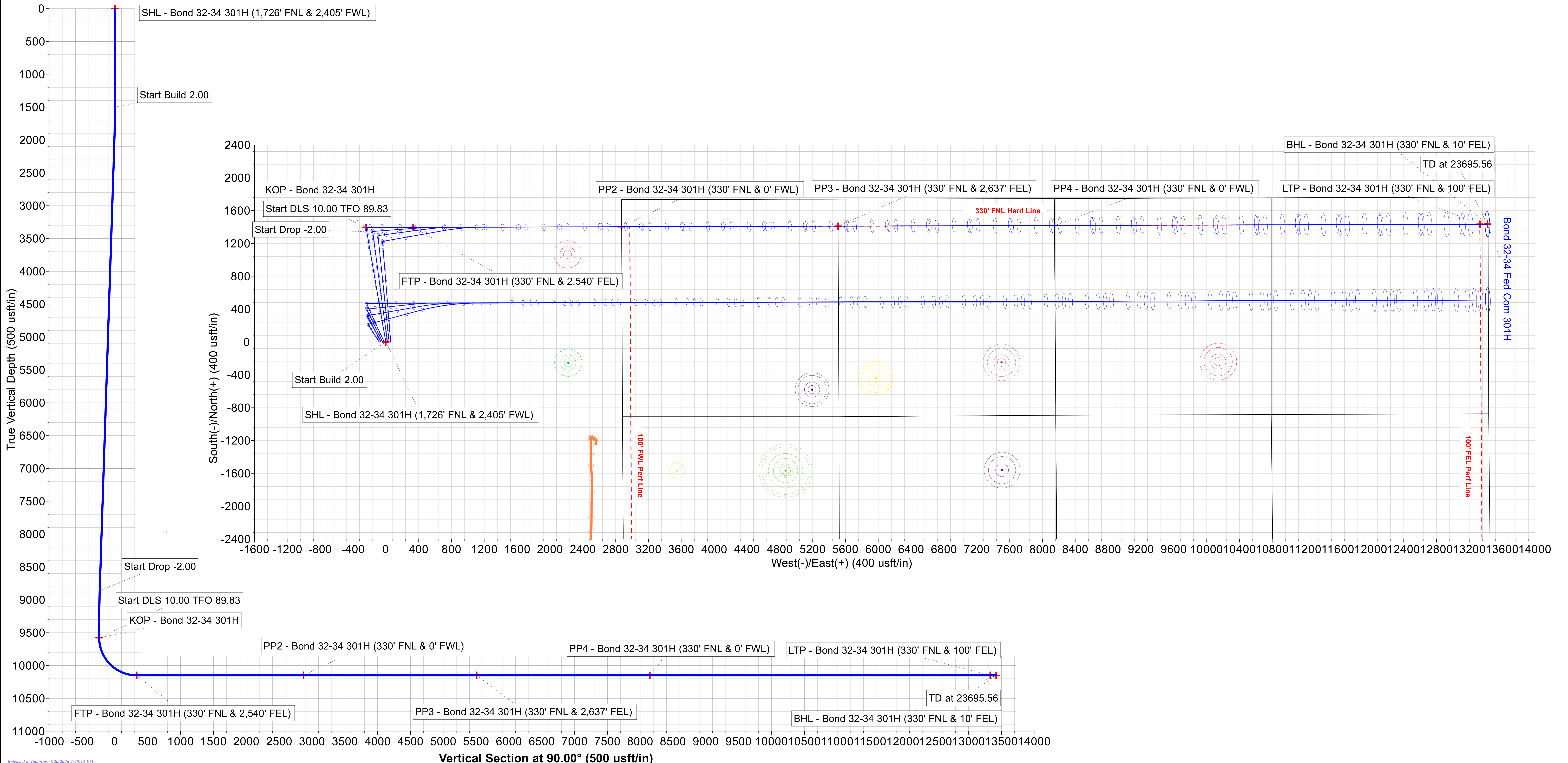
Bond 32-34 Fed Com 301H



WELL DETAILS: Bond 32-34 Fed Com 301H Plan 1											
GL Elev (ft).: 3693.00											
+N/-S		+E/-W		Northing		Easting		Latitude		Longitude	
0.00		0.00		621199.66		708691.47		32.70653915		-103.78925092	
SECTION DETAILS											
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect			
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00		
2044.38	10.89	350.23	2041.11	50.82	-8.75	2.00	350.23	-8.75	Start 6942.75 hold at 2044.38 MD		
8987.13	10.89	350.23	8858.89	1343.18	-231.22	0.00	0.00	-231.22	Start Drop -2.00		
9531.51	0.00	0.00	9400.00	1394.00	-239.97	2.00	180.00	-239.97	Start 177.04 hold at 9531.51 MD		
9708.55	0.00	0.00	9577.04	1394.00	-239.97	0.00	0.00	-239.97	Start DLS 10.00 TFO 89.83		
10608.55	90.00	89.83	10150.00	1395.71	332.99	10.00	89.83	332.99	Start 12997.00 hold at 10608.55 MD		
23605.56	90.00	89.83	10150.00	1434.56	13329.93	0.00	0.00	13329.93	Start 90.00 hold at 23605.56 MD		
23695.56	90.00	89.83	10150.00	1434.83	13419.93	0.00	0.00	13419.93	TD at 23695.56		



Project: Lea, County NM (NAD 83)
Site: Sec 33-18S-32E
Well: Bond 32-34 Fed Com 301H
Wellbore: Wellbore #1
Design: Plan 1





LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTTY/QR-5.7.1-19B

№: LT2023-052-006

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

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



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESING REPORT

LTTY/QR-5.7.1-28

No: 230422006

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

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

Product Name: Choke And Kill Hose

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

Serial Number: 7660103~7660110

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

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

QC Manager:

Jiaolong Chen

Date:April 22, 2023

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

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

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

If Other, please describe: _____

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

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

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

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

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

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

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

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

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

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

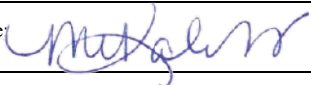
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

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

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

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

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

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

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

Drilling Practices for Well Control

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

Rig Management Protocol

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

Appendix A

HARD SHUT-IN PROCEDURE - WHILE TRIPPING

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

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 30-025-55822	Pool Code 50600 50510	Pool Name QUERRECHO PLAINS, LOWER BONE SPRING QUERRECHO PLAINS, UPPER BS
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #101H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,693'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,613' FNL	Ft. from E/W 2,221' FWL	Latitude 32.706850°	Longitude -103.789852°	County LEA
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Bottom Hole Location

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 50' FEL	Latitude 32.709379°	Longitude -103.745726°	County LEA
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Dedicated Acres 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 1,613' FNL	Ft. from E/W 2,221' FWL	Latitude 32.706850°	Longitude -103.789852°	County LEA
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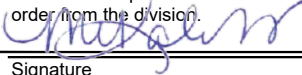
First Take Point (FTP)

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 100' FEL	Latitude 32.709380°	Longitude -103.745889°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,693
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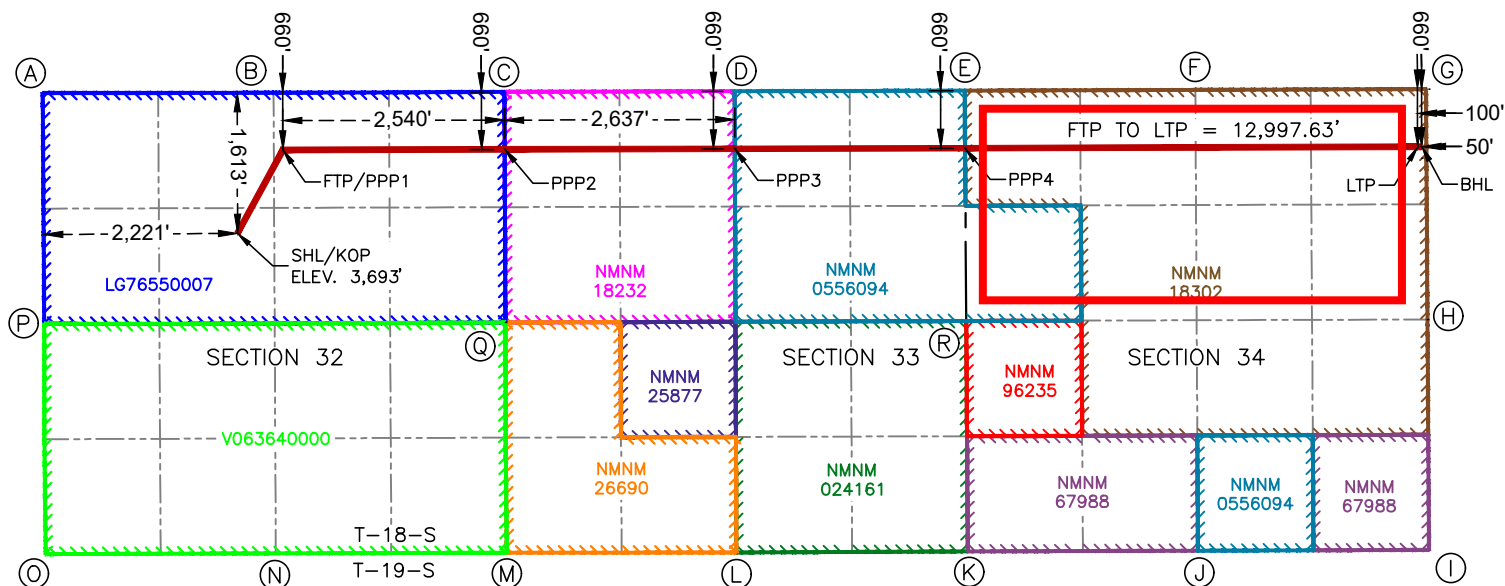
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  11/30/25		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date: 11/26/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/26/2025
Email Address		Revision Number 1	

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

ACREAGE DEDICATION PLATS

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

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



BOND 32-34 FED COM #101H

SURFACE HOLE LOCATION
& KICK-OFF POINT
1,613' FNL & 2,221' FWL
ELEV. = 3,693'

NAD 83 X = 708,505.97'
NAD 83 Y = 621,311.79'
NAD 83 LAT = 32.706850°
NAD 83 LONG = -103.789852°

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

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

PENETRATION POINT 2
660' FNL & 0' FWL

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

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

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

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

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

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

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

AMENDED C-102 and PLAT

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

WELL LOCATION INFORMATION

API Number 30-025-55822	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code 338334	Property Name BOND 32-34 FED COM	Well Number #101H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,693'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,613' FNL	Ft. from E/W 2,221' FWL	Latitude 32.706850°	Longitude -103.789852°	County LEA
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Bottom Hole Location

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

Dedicated Acres 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 32-34 FED COM 301H- Defining Well

Kick Off Point (KOP)

UL F	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,613' FNL	Ft. from E/W 2,221' FWL	Latitude 32.706850°	Longitude -103.789852°	County LEA
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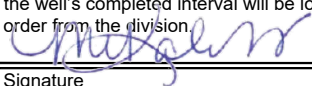
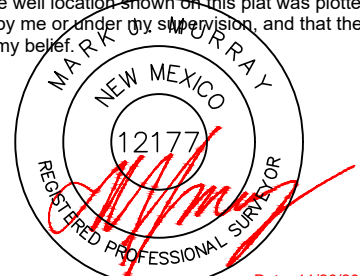
First Take Point (FTP)

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

UL A	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 660' FNL	Ft. from E/W 100' FEL	Latitude 32.709380°	Longitude -103.745889°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,693
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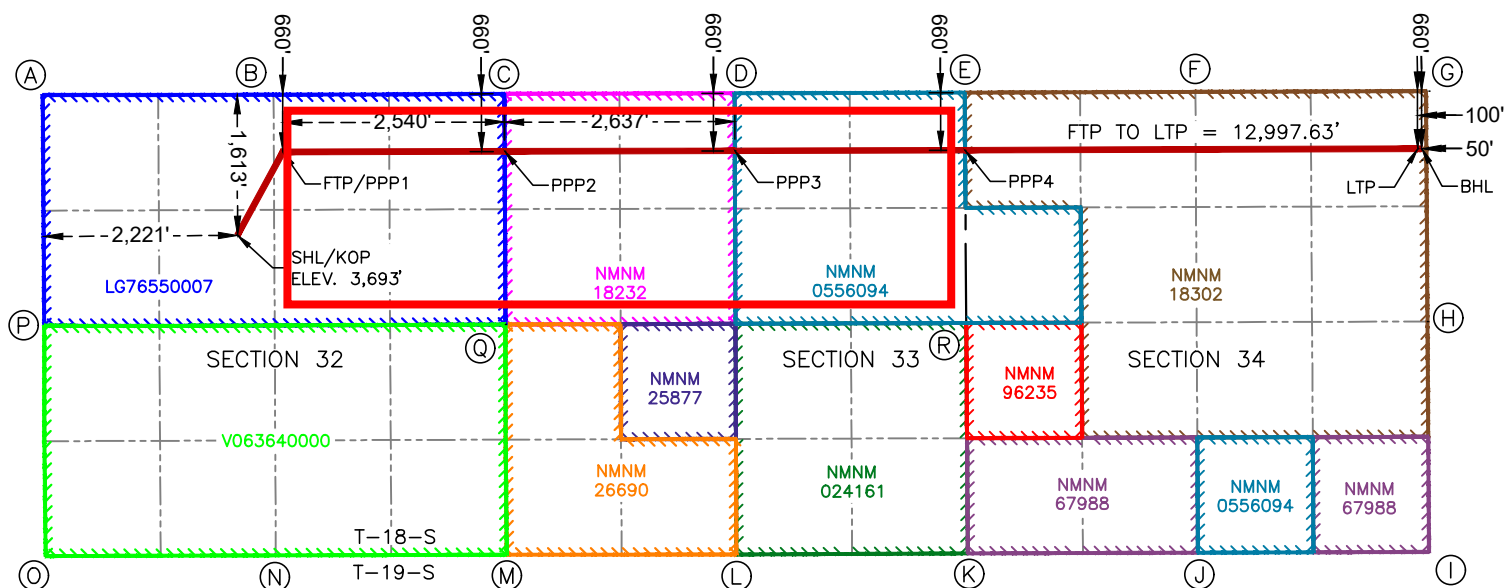
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  11/30/25		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date: 11/26/2025	
Signature Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/26/2025
Email Address		Revision Number 1	

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

ACREAGE DEDICATION PLATS

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

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

**BOND 32-34 FED COM #101H**

SURFACE HOLE LOCATION
& KICK-OFF POINT
1,613' FNL & 2,221' FWL
ELEV. = 3,693'

NAD 83 X = 708,505.97'
NAD 83 Y = 621,311.79'
NAD 83 LAT = 32.706850°
NAD 83 LONG = -103.789852°

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

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

PENETRATION POINT 2
660' FNL & 0' FWL

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

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

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

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

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

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

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

Well Name: BOND 32-34 FED COM	Well Location: T18S / R32E / SEC 32 / SENW / 32.706539 / -103.789251	County or Parish/State: LEA / NM
Well Number: 301H	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: 2887066

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 12/15/2025	Time Sundry Submitted: 03:47
Date proposed operation will begin: 12/14/2025	

Procedure Description: AFMSS ID: 10400103832 Bond 32-34 Fed Com 301H Bond 32-34 Fed Com 101H Original Design in Grey New Design in Blue Target Zone: BS3 Target Zone: 1BSS Casing Design- ORIGINAL Name Hole Size Casing Size Standard Tapered Top MD Btm MD Top TVD Btm TVD Grade Weight Thread Collapse Burst Tension Surface 17 1/2 13 3/8 API no 0 1310 0 1310 J-55 54.5 BTC 1.125 1.125 1.6 Intermediate 12 1/4 9 5/8 API no 0 9450 0 9350 J-55 40 BTC 1.125 1.125 1.6 Production 8 3/4 5 1/2 API no 0 23696 0 10150 P-110 20 CDC HTQ 1.125 1.125 1.6 Casing Design- NEW Name Hole Size Casing Size Standard Tapered Top MD Btm MD 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 4535 L80HC 40 BTC 1.125 1.125 1.6 Production 8 3/4 5 1/2 API no 0 21880 0 8418 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 0 694 6.19 4297 10 60% C or H Fluid Loss, Retarder, LCM, Possibly Beads Tail 8350 130 1.38 179.4 13.8 15% C or H Fluid Loss, Retarder, LCM Produciton Lead 5850 525 1.49 782.3 12.5 0% H Fluid Loss, Retarder, LCM Tail 8850 3108 1.49 4630.8 13.5 20% H Fluid Loss, Retarder, LCM Cement Details- NEW Name Type Top MD Sacks Yield Cu Ft Weight Excess Cement Additives Surface Lead 0 1,158 1.44 1667.1 12.8 100% C Gel, Accleerator, LCM Tail 1200 115 1.33 152.8 14.8 100% C Gel, Accleerator, LCM Intermediate Lead 0 753 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 3,465 1.23 4261.8 13.2 20% H Fluid Loss, Retarder, LCM Mud Program- ORIGINAL Name Top Bottom Type Mud Weight Vis Fluid Loss Surface 0 1310 Water Based Mud 8.3 30-60 NC Intermediate 1310 9450 Brine Based Mud 8.8-9.6 35-45 NC Production 9450 23696 Oil Based Mud 12-12.5 35-65 4 to 6 Mud Program- NEW Name Top Bottom Type Mud Weight Vis Fluid Loss Surface 0 1310 Water Based Mud 8.3 30-60 NC Intermediate 1310 4535 Brine Based Mud 10.2 35-45 NC Production 4535 21880 Oil Based Mud 9.7 35-65 4 to 6 Original- SHL 32-18S-32E 1726 FNL & 2405 FWL V063640000 New- SHL 32-18S-32E 1613 FNL & 2221 FWL LG76550007 Original- KOP 32-18S-32E 1726 FNL & 2405 FWL V063640000 New- KOP 32-18S-32E 1613 FNL & 2221 FWL LG76550007 Original- FTP 32-18S-32E 330 FNL & 2540 FEL LG76550007 New- FTP 33-18S-32E 660 FNL & 2540 FEL LG76550007 Original- PPP2 33-18S-32E 330 FNL & 0 FWL NMNM018232 New- PPP2 33-18S-32E 660 FNL & 0 FWL NMNM18232 Original- PPP3 33-18S-32E 330 FNL & 2637 FEL NMNM0556094 New- PPP3 34-18S-32E 660 FNL & 2637 FWL NMNM0556094 Original- PPP4 34-18S-32E 330 FNL & 0 FWL NMNM018302 New- PPP4 34-18S-32E 660 FNL & 0 FWL NMNM18302 Original- LTP 34-18S-32E 330 FNL & 100 FEL NMNM018302 New- LTP 34-18S-32E 660 FNL & 100 FEL NMNM18302 Original- BHL 34-18S-32E 330 FNL & 10 FEL NMNM018302 New- BHL 34-18S-32E 660 FNL & 50 FEL NMNM18302

Well Number: 301H

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

NOI Attachments

Procedure Description

PPP_Change_Bond_301H__101H_20251215154727.pdf

Bond_32_34_Fed_Com_301H____101H_20251215154719.pdf

24_041778_BOND_32_34_FED_COM__101H_C102_20251215154713.pdf

24_041778_BOND_32_34_FED_COM__101H_C102__Add_Pool_20251215154706.pdf

5.5_20.00__0.361__P110_RY_92.5_RBW_USS_FREEDOM_HTQ_Data_Sheet_03_14_24_20251215154700.pdf

Plan_1_WM__02__Bond_32_34_FED_COM__101H_20251215154650.pdf

Plan_1_AC__02__Bond_32_34_FED_COM__101H_20251215154638.pdf

Plan_1__02__Bond_32_34_FED_COM__101H_20251215154622.pdf

Conditions of Approval

Additional

BOND_32_34_FED_COM_101H_Sundry_2887066_COA_20251217154046.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 15, 2025 03:47 PM

Name: PBEX OPERATIONS LLC

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND

State: TX

Phone: (432) 661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

Well Name: BOND 32-34 FED COM	Well Location: T18S / R32E / SEC 32 / SENW / 32.706539 / -103.789251	County or Parish/State: LEA / NM
Well Number: 301H	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	

BLM Point of Contact

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

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

9. API Well No.
30-025-55822

10. Field and Pool or Exploratory Area

11. Country or Parish, State

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address 3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

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

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

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information**Additional Remarks**

Name Hole Size Casing Size Standard Tapered Top MD Btm MD Top TVD Btm TVD Grade Weight Thread Collapse Burst Tension

Surface 17 1/2 13 3/8 API no 0 1310 0 1310 J-55 54.5 BTC 1.125 1.125 1.6

Intermediate 12 1/4 9 5/8 API no 0 9450 0 9350 J-55 40 BTC 1.125 1.125 1.6

Production 8 3/4 5 1/2 API no 0 23696 0 10150 P-110 20 CDC HTQ 1.125 1.125 1.6

Casing Design- NEW

Name Hole Size Casing Size Standard Tapered Top MD Btm MD 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 4535 L80HC 40 BTC 1.125 1.125 1.6

Production 8 3/4 5 1/2 API no 0 21880 0 8418 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 0 694 6.19 4297 10 60% C or H Fluid Loss, Retarder, LCM, Possibly Beads

Tail 8350 130 1.38 179.4 13.8 15% C or H Fluid Loss, Retarder, LCM

Produciton Lead 5850 525 1.49 782.3 12.5 0% H Fluid Loss, Retarder, LCM

Tail 8850 3108 1.49 4630.8 13.5 20% H Fluid Loss, Retarder, LCM

Cement Details- NEW

Name Type Top MD Sacks Yield Cu Ft Weight Excess Cement Additives

Surface Lead 0 1,158 1.44 1667.1 12.8 100% C Gel, Accleerator, LCM

Tail 1200 115 1.33 152.8 14.8 100% C Gel, Accleerator, LCM

Intermediate Lead 0 753 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 3,465 1.23 4261.8 13.2 20% H Fluid Loss, Retarder, LCM

Mud Program- ORIGINAL

Name Top Bottom Type Mud Weight Vis Fluid Loss

Surface 0 1310 Water Based Mud 8.3 30-60 NC

Intermediate 1310 9450 Brine Based Mud 8.8-9.6 35-45 NC

Production 9450 23696 Oil Based Mud 12-12.5 35-65 4 to 6

Mud Program- NEW

Name Top Bottom Type Mud Weight Vis Fluid Loss

Surface 0 1310 Water Based Mud 8.3 30-60 NC

Intermediate 1310 4535 Brine Based Mud 10.2 35-45 NC

Production 4535 21880 Oil Based Mud 9.7 35-65 4 to 6

Original- SHL 32-18S-32E 1726 FNL & 2405 FWL V063640000 New-SHL 32-18S-32E 1613 FNL & 2221 FWL LG76550007

Original- KOP 32-18S-32E 1726 FNL & 2405 FWL V063640000 New- KOP 32-18S-32E 1613 FNL & 2221 FWL LG76550007

Original- FTP 32-18S-32E 330 FNL & 2540 FEL LG76550007 New- FTP 33-18S-32E 660 FNL & 2540 FEL LG76550007

Original- PPP2 33-18S-32E 330 FNL & 0 FWL NMNM018232 New- PPP2 33-18S-32E 660 FNL & 0 FWL NMNM18232

Original- PPP3 33-18S-32E 330 FNL & 2637 FEL NMNM0556094 New- PPP3 34-18S-32E 660 FNL & 2637 FWL NMNM0556094

Original- PPP4 34-18S-32E 330 FNL & 0 FWL NMNM018302 New- PPP4 34-18S-32E 660 FNL & 0 FWL NMNM18302

Original- LTP 34-18S-32E 330 FNL & 100 FEL NMNM018302 New- LTP 34-18S-32E 660 FNL & 100 FEL NMNM18302

Original- BHL 34-18S-32E 330 FNL & 10 FEL NMNM018302 New- BHL 34-18S-32E 660 FNL & 50 FEL NMNM18302

Location of Well

0. SHL: SENW / 1726 FNL / 2405 FWL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.706539 / LONG: -103.789251 (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: 10150 feet, MD: 10609 feet)

PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103553 / LONG: -103.7798872 (TVD: 10150 feet, MD: 13149 feet)

PPP: NWNW / 330 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7103218 / LONG: -103.7627423 (TVD: 10150 feet, MD: 18422 feet)

PPP: NWNE / 330 FNL / 2637 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7103389 / LONG: -103.7713143 (TVD: 10150 feet, MD: 15785 feet)

BHL: NENE / 330 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.710286 / LONG: -103.745598 (TVD: 10150 feet, MD: 22686 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	PBEX OPERATIONS LLC
WELL NAME & NO.:	BOND 32-34 FED COM 101H
APD ID:	10400103832
LOCATION:	Section 32, T18S, R32E. NMP
COUNTY:	Lea County, New Mexico

Previously known as BOND 32-34 FED COM 301H. Changes approved through engineering via **Sundry 2887066** on 12/17/2025. Any previous COAs not addressed within the updated COAs still apply.

COA

H ₂ S	☐ No	☒ Yes	
Potash / WIPP	☒ None	☐ Secretary	☐ R-111-Q ☐ Open Annulus ☐ WIPP
Cave / Karst	☒ Low	☐ Medium	☐ High ☐ Critical
Wellhead	☐ Conventional	☐ Multibowl	☒ Both ☐ Diverter
Cementing	☐ Primary Squeeze	☐ Cont. Squeeze	☐ EchoMeter ☐ DV Tool
Special Req	☐ Capitan Reef	☐ Water Disposal	☒ COM ☐ Unit
Waste Prev.	☐ Self-Certification	☒ Waste Min. Plan	☐ APD Submitted prior to 06/10/2024
Additional Language	☒ Flex Hose ☐ Four-String	☐ Casing Clearance ☐ Offline Cementing	☐ Pilot Hole ☐ Break Testing ☐ Fluid-Filled

SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.

A. CASING

Note: The surface casing depth was adjusted in accordance with the recommendation provided by the BLM geologist. *"The operator proposes to set surface casing at 1310 feet which will be in the Top of Salt. Instead, set surface casing at 1213 feet which will be at the base of the Rustler FM."*

1. The 13-3/8 inch surface casing shall be set at approximately **1213 ft.** (a minimum of 70 feet into the Rustler Anhydrite, below usable fresh water and above the salt) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
 - 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 psi 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 **9-5/8 inch** intermediate casing shall be set in a competent bed at approximately **4,535 ft.** 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. Operator has proposed to set **5-1/2 inch** production casing at approximately **21,880 ft.** (8,418 ft. TVD). 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.

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)

Contact Lea County Petroleum Engineering Inspection Staff:

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
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. 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.
 - iii. BOP/BOPE test to be conducted per **43 CFR 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 doghouse or stairway area.

3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

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-Q 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 3172**.
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:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. 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.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. 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.
 - i. 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).

- ii. 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.)
- iii. 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 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).
- iv. 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.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. 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.
- vii. 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.
- viii. 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 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.

SA 12/17/2025

Original- Grey
New- Blue

Original- SHL	32-18S-32E	1726 FNL & 2405 FWL	V063640000
Original- KOP	32-18S-32E	1726 FNL & 2405 FWL	V063640000
Original- FTP	32-18S-32E	330 FNL & 2540 FEL	LG76550007
Original- PPP2	33-18S-32E	330 FNL & 0 FWL	NMNM018232
Original- PPP3	33-18S-32E	330 FNL & 2637 FEL	NMNM0556094
Original- PPP4	34-18S-32E	330 FNL & 0 FWL	NMNM018302
Original- LTP	34-18S-32E	330 FNL & 100 FEL	NMNM018302
Original- BHL	34-18S-32E	330 FNL & 10 FEL	NMNM018302

Plan view of the proposed 100' wide LTP alignment. The diagram shows a grid of sections 32, 33, and 34. Section 32 is green, Section 33 is blue, and Section 34 is red. The alignment is marked with points A through G and P through I. Key dimensions include a total length of 12,997.63' from FTP to LTP, and various offsets and elevations. The diagram also shows existing and proposed right-of-way lines, including the SHL/KOP line at elevation 3,693.5'.

New-SHL	32-18S-32E	1613 FNL & 2221 FWL	LG76550007
New- KOP	32-18S-32E	1613 FNL & 2221 FWL	LG76550007
New- FTP	33-18S-32E	660 FNL & 2540 FEL	LG76550007
New- PPP2	33-18S-32E	660 FNL & 0 FWL	NMNM18232
New- PPP3	34-18S-32E	660 FNL & 2637 FWL	NMNM0556094
New- PPP4	34-18S-32E	660 FNL & 0 FWL	NMNM18302
New- LTP	34-18S-32E	660 FNL & 100 FEL	NMNM18302
New- BHL	34-18S-32E	660 FNL & 50 FEL	NMNM18302

Notice of Intent to Change Drill Plan

Bond 32-34 Fed Com 301H**Bond 32-34 Fed Com 101H**

Original Design in Grey

New Design in Blue

Target Zone: BS3

Target Zone: 1BSS

Casing Design- ORIGINAL

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	no	0	1310	0	1310	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate	12 1/4	9 5/8	API	no	0	9450	0	9350	J-55	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	23696	0	10150	P-110	20	CDC HTQ	1.125	1.125	1.6

Casing Design- NEW

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	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	4535	L80HC	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	no	0	21880	0	8418	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	694	6.19	4297	10	60%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	8350	130	1.38	179.4	13.8	15%	C or H	Fluid Loss, Retarder, LCM
Produciton	Lead	5850	525	1.49	782.3	12.5	0%	H	Fluid Loss, Retarder, LCM
	Tail	8850	3108	1.49	4630.8	13.5	20%	H	Fluid Loss, Retarder, LCM

Cement Details- NEW

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accleerator, LCM
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accleerator, LCM
Intermediate	Lead	0	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
Production	Lead	4035	380	3.03	1152.2	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	3,465	1.23	4261.8	13.2	20%	H	Fluid Loss, Retarder, LCM

Mud Program- ORIGINAL

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	9450	Brine Based Mud	8.8-9.6	35-45	NC
Production	9450	23696	Oil Based Mud	12-12.5	35-65	4 to 6

Mud Program- NEW

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.2	35-45	NC
Production	4535	21880	Oil Based Mud	9.7	35-65	4 to 6



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

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

UNCONTROLLED

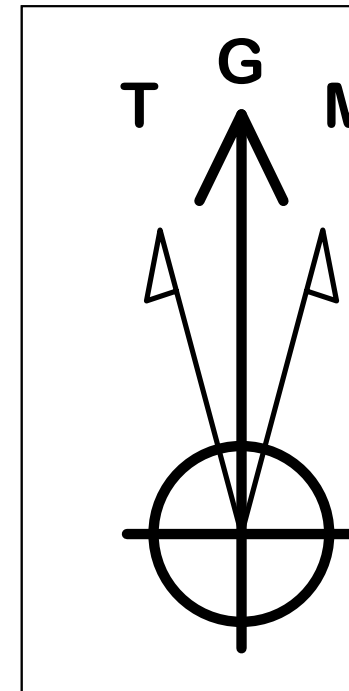
UNCONTROLLED

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

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



PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (02) Bond 32-34 FED COM #101H
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid
KB Elevation: RKB - 30.5 @ 3723.50usft
Elevation: 3693.00
To convert a Magnetic Direction to a Grid Direction, Add 6.057°



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

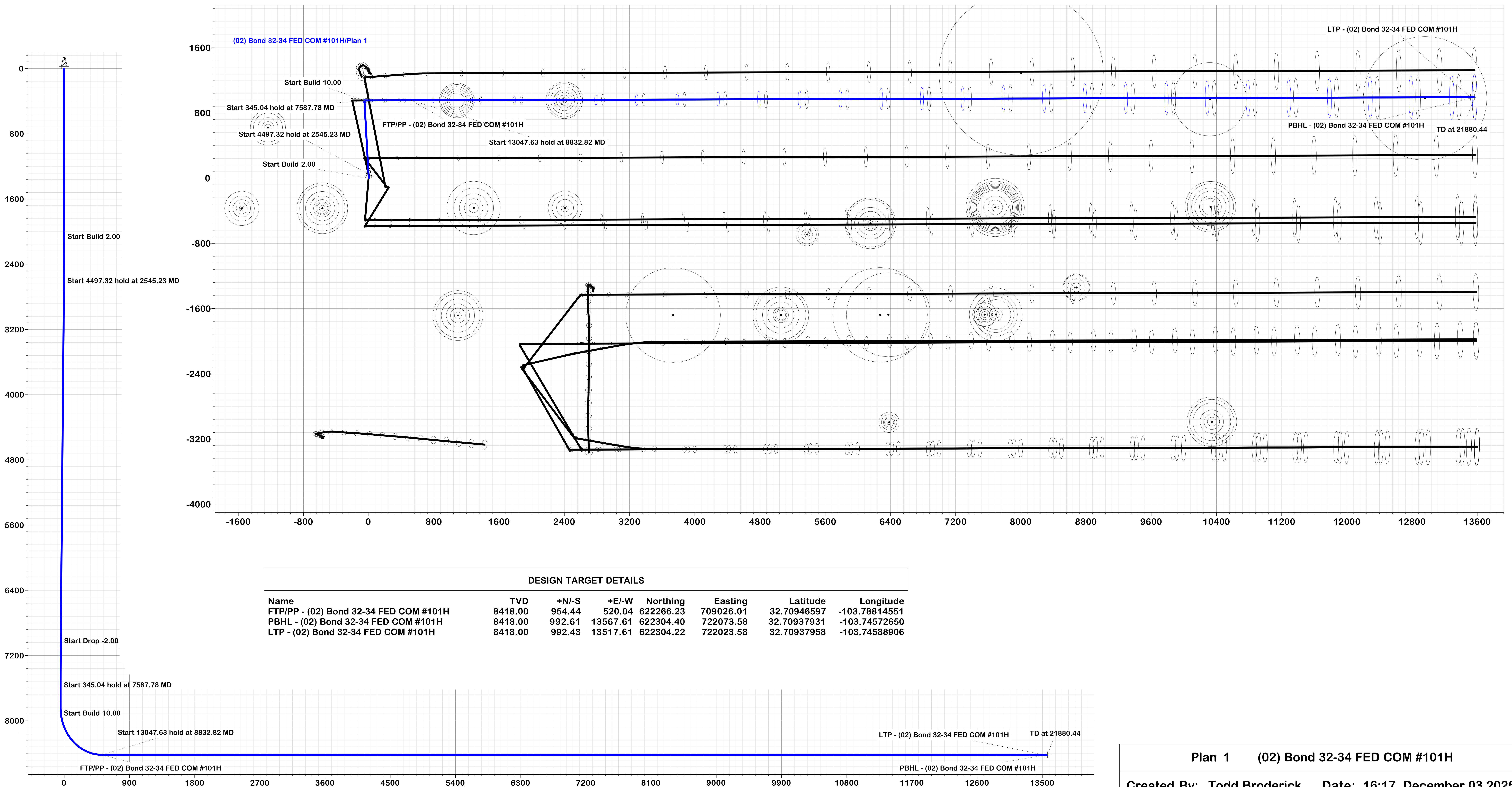
Magnetic Field
Strength: 47228.6nT
Dip Angle: 60.14°
Date: 12/2/2025
Model: IGRF2025



PBEX
Site: Bond North Pad - Phase 2
Well: (02) Bond 32-34 FED COM #101H
Wellbore: #101H
Plan: Plan 1

WELL DETAILS: (02) Bond 32-34 FED COM #101H					
0.00	0.00	Northing	Easting	Latitude	Longitude
		621311.79	708505.97	32.70684997	-103.78985210

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	2545.23	10.90	356.82	2541.94	51.65	-2.87	2.00	356.821	-2.72
4	7042.55	10.90	356.82	6958.06	901.12	-50.05	0.00	0.000	-47.37
5	7587.78	0.00	89.83	7500.00	952.76	-52.92	2.00	180.000	-50.09
6	7932.82	0.00	89.83	7845.04	952.76	-52.92	0.00	0.000	-50.09
7	8832.82	90.00	89.83	8418.00	954.44	520.04	10.00	0.000	522.87
8	21880.44	90.00	89.83	8418.00	992.61	13567.61	0.00	0.000	13570.50



Plan 1 (02) Bond 32-34 FED COM #101H
Created By: Todd Broderick Date: 16:17, December 03 2025



PBEX

Lea County, NM (N83 - NME)

Bond North Pad - Phase 2

(02) Bond 32-34 FED COM #101H

TBD

#101H

Plan 1

Anticollision Report

03 December, 2025

DIXON



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	12/3/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	21,880.45	Plan 1 (#101H)	MWD+IFR1	OWSG MWD + IFR1	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond North Pad - Phase 1						
(01) Bond 32-34 FED COM 205H - 205H - Plan 2	2,000.00	2,001.68	269.91	258.79	24.273	CC, ES
(01) Bond 32-34 FED COM 205H - 205H - Plan 2	21,880.45	22,765.79	1,804.38	1,309.16	3.644	SF
(02) Bond 32-34 FED COM 301H - 301H - Plan 2	2,000.00	2,001.14	251.85	240.73	22.651	CC, ES
(02) Bond 32-34 FED COM 301H - 301H - Plan 2	21,880.45	23,570.96	1,893.98	1,589.45	6.219	SF
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	4,234.14	4,270.22	134.48	115.14	6.952	CC
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	4,300.00	4,335.65	134.69	114.71	6.742	ES
(03) Bond 32-34 FED COM 201H - 201H - Plan 2	21,880.45	22,928.71	995.55	724.88	3.678	SF
Bond North Pad - Phase 2						
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	2,492.21	2,488.92	19.10	5.50	1.404	Level 3, CC
(01) Bond 32-34 FED COM #303H - #303H - Plan 1	2,500.00	2,496.66	19.11	5.46	1.400	Level 3, ES, SF
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	2,000.00	2,000.00	20.26	9.14	1.822	Level 3, CC, ES, SF
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	7,559.64	7,449.64	423.94	365.68	7.277	CC, ES
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)	8,100.00	7,988.80	431.03	370.74	7.149	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)	15,995.35	8,410.82	1,335.29	947.58	3.444	CC
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	16,000.00	8,410.82	1,335.30	947.50	3.443	ES
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	16,100.00	8,410.82	1,339.39	950.12	3.441	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)	5,907.63	5,831.72	1,200.00	1,065.99	8.955	CC
(W08) HULKSTER 001 - 38446 - (Inc Only)	7,900.00	7,798.81	1,228.93	1,049.96	6.867	ES
(W08) HULKSTER 001 - 38446 - (Inc Only)	8,000.00	7,897.30	1,232.91	1,051.59	6.800	SF
(W09) HULKSTER 002 - 38844 - (Inc Only)	898.72	889.31	1,601.03	1,578.41	70.762	CC
(W09) HULKSTER 002 - 38844 - (Inc Only)	2,400.00	2,389.54	1,606.38	1,549.44	28.212	ES
(W09) HULKSTER 002 - 38844 - (Inc Only)	8,200.00	8,094.44	2,050.58	1,852.72	10.364	SF
(W10) HULKSTER 003 - 39570 - (Inc Only)	9,393.40	8,416.69	3.11	-223.75	0.014	Level 3, CC, ES, SF
(W11) HULKSTER 004 - 39571 - (Inc Only)	10,712.04	8,426.91	4.50	-250.35	0.018	Level 3, CC, ES, SF
(W12) HULKSTER 005 - 39572 - (Inc Only)	10,717.50	8,404.37	1,324.22	1,088.20	5.611	CC, ES
(W12) HULKSTER 005 - 39572 - (Inc Only)	10,800.00	8,404.37	1,326.78	1,089.40	5.589	SF
(W13) KEELA FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	14,463.34	8,411.19	1,525.27	1,207.39	4.798	CC

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond Pad Offsets						
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	14,500.00	8,411.19	1,525.71	1,207.15	4.789	ES
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)	14,600.00	8,411.19	1,531.38	1,211.34	4.785	SF
(W15) KEELA FEDERAL 004 - 33499 - (Inc Only)						Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	683.33	674.74	2,009.04	1,990.65	109.229	CC
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,100.00	2,091.53	2,011.00	1,958.50	38.304	ES
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,600.00	2,587.33	2,063.58	1,999.57	32.236	SF
(W17) MAX STATE 001 - 26754 - (Inc Only)	9,594.72	8,393.24	1,321.20	1,085.22	5.599	CC
(W17) MAX STATE 001 - 26754 - (Inc Only)	9,600.00	8,393.24	1,321.21	1,085.15	5.597	ES
(W17) MAX STATE 001 - 26754 - (Inc Only)	9,700.00	8,393.24	1,325.32	1,087.90	5.582	SF
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	18,635.50	8,420.90	1,334.58	914.62	3.178	CC, ES
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	18,700.00	8,420.90	1,336.14	915.17	3.174	SF
(W19) SPEAR FEDERAL 001 - 33645 - (Inc Only)						Out of range
(W20) SUPERIOR FEDERAL 001 - 24277 - (Inc Only)						Out of range
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)						Out of range
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	1,187.78	1,188.29	678.93	647.63	21.691	CC
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	2,200.00	2,200.44	682.72	628.23	12.529	ES
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)	8,200.00	8,104.63	1,443.64	1,239.45	7.070	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)	20,149.30	7,160.00	1,688.93	1,109.40	2.914	SF
(W27) TEXACO FEDERAL 001 - 00886 - (Depth Only)	21,300.00	7,160.00	1,261.86	1,133.29	9.814	CC
(W27) TEXACO FEDERAL 001 - 00886 - (Depth Only)	21,880.45	7,160.00	1,400.52	969.08	3.246	ES
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		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	1.68	1.68	0.00	0.01	114.556	-112.17	245.50	269.91						
100.00	100.00	101.68	101.68	0.79	0.80	114.556	-112.17	245.50	269.91	268.33	1.58	170.572			
200.00	200.00	201.68	201.68	1.45	1.45	114.556	-112.17	245.50	269.91	267.01	2.90	93.083			
300.00	300.00	301.68	301.68	1.89	1.90	114.556	-112.17	245.50	269.91	266.12	3.79	71.227			
400.00	400.00	401.68	401.68	2.25	2.26	114.556	-112.17	245.50	269.91	265.40	4.51	59.812			
500.00	500.00	501.68	501.68	2.57	2.57	114.556	-112.17	245.50	269.91	264.77	5.14	52.511			
600.00	600.00	601.68	601.68	2.85	2.85	114.556	-112.17	245.50	269.91	264.21	5.70	47.324			
700.00	700.00	701.68	701.68	3.11	3.11	114.556	-112.17	245.50	269.91	263.69	6.22	43.392			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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)		
800.00	800.00	801.68	801.68	3.35	3.35	114.556	-112.17	245.50	269.91	263.21	6.70	40.277	
900.00	900.00	901.68	901.68	3.58	3.58	114.556	-112.17	245.50	269.91	262.76	7.15	37.729	
1,000.00	1,000.00	1,001.68	1,001.68	3.79	3.79	114.556	-112.17	245.50	269.91	262.33	7.58	35.595	
1,100.00	1,100.00	1,101.68	1,101.68	3.99	4.00	114.556	-112.17	245.50	269.91	261.92	7.99	33.772	
1,200.00	1,200.00	1,201.68	1,201.68	4.19	4.19	114.556	-112.17	245.50	269.91	261.53	8.38	32.191	
1,300.00	1,300.00	1,301.68	1,301.68	4.38	4.38	114.556	-112.17	245.50	269.91	261.15	8.76	30.802	
1,400.00	1,400.00	1,401.68	1,401.68	4.56	4.57	114.556	-112.17	245.50	269.91	260.78	9.13	29.569	
1,500.00	1,500.00	1,501.68	1,501.68	4.74	4.74	114.556	-112.17	245.50	269.91	260.43	9.48	28.465	
1,600.00	1,600.00	1,601.68	1,601.68	4.91	4.91	114.556	-112.17	245.50	269.91	260.09	9.83	27.469	
1,700.00	1,700.00	1,701.68	1,701.68	5.08	5.08	114.556	-112.17	245.50	269.91	259.75	10.16	26.563	
1,800.00	1,800.00	1,801.68	1,801.68	5.24	5.25	114.556	-112.17	245.50	269.91	259.42	10.49	25.736	
1,900.00	1,900.00	1,901.68	1,901.68	5.40	5.40	114.556	-112.17	245.50	269.91	259.10	10.81	24.975	
2,000.00	2,000.00	2,001.68	2,001.68	5.56	5.56	114.556	-112.17	245.50	269.91	258.79	11.12	24.273 CC, ES	
2,100.00	2,099.98	2,101.66	2,101.66	5.80	5.71	118.047	-112.17	245.50	270.73	259.28	11.45	23.654	
2,200.00	2,199.84	2,201.52	2,201.52	6.05	5.86	118.971	-112.17	245.50	273.23	261.46	11.77	23.216	
2,300.00	2,299.45	2,301.13	2,301.13	6.31	6.01	120.466	-112.17	245.50	277.56	265.47	12.10	22.946	
2,400.00	2,398.70	2,400.38	2,400.38	6.59	6.16	122.466	-112.17	245.50	283.96	271.53	12.43	22.836	
2,500.00	2,497.47	2,499.15	2,499.15	6.89	6.30	124.884	-112.17	245.50	292.71	279.92	12.79	22.885	
2,600.00	2,595.73	2,596.75	2,596.73	7.09	6.49	127.937	-113.56	244.65	303.92	290.86	13.06	23.267	
2,700.00	2,693.92	2,693.02	2,692.87	7.36	6.66	131.435	-117.71	242.10	316.63	303.23	13.40	23.630	
2,800.00	2,792.11	2,787.83	2,787.35	7.65	6.85	135.152	-124.49	237.95	331.09	317.32	13.77	24.046	
2,900.00	2,890.31	2,881.77	2,880.65	7.95	6.96	139.006	-133.74	232.28	347.70	333.57	14.12	24.621	
3,000.00	2,988.50	2,977.26	2,975.41	8.27	7.11	142.701	-143.87	226.07	366.11	351.56	14.55	25.165	
3,100.00	3,086.70	3,072.76	3,070.16	8.61	7.28	146.049	-154.01	219.86	385.93	370.91	15.02	25.702	
3,200.00	3,184.89	3,168.25	3,164.91	8.95	7.48	149.075	-164.14	213.65	406.95	391.44	15.51	26.238	
3,300.00	3,283.09	3,263.75	3,259.66	9.31	7.69	151.810	-174.27	207.44	428.99	412.96	16.03	26.763	
3,400.00	3,381.28	3,359.24	3,354.42	9.67	7.92	154.283	-184.40	201.23	451.91	435.34	16.57	27.270	
3,500.00	3,479.47	3,454.74	3,449.17	10.04	8.16	156.522	-194.54	195.02	475.57	458.44	17.14	27.754	
3,600.00	3,577.67	3,550.23	3,543.92	10.42	8.41	158.552	-204.67	188.81	499.88	482.16	17.72	28.211	
3,700.00	3,675.86	3,645.73	3,638.67	10.81	8.67	160.398	-214.80	182.60	524.74	506.42	18.32	28.640	
3,800.00	3,774.06	3,741.22	3,733.43	11.20	8.95	162.079	-224.94	176.39	550.08	531.14	18.94	29.041	
3,900.00	3,872.25	3,836.72	3,828.18	11.60	9.23	163.615	-235.07	170.17	575.83	556.26	19.58	29.414	
4,000.00	3,970.45	3,932.21	3,922.93	12.01	9.52	165.021	-245.20	163.96	601.95	581.72	20.23	29.761	
4,100.00	4,068.64	4,027.71	4,017.68	12.41	9.83	166.312	-255.34	157.75	628.38	607.49	20.89	30.083	
4,200.00	4,166.84	4,123.20	4,112.43	12.83	10.13	167.500	-265.47	151.54	655.09	633.53	21.56	30.381	
4,300.00	4,265.03	4,218.70	4,207.19	13.24	10.45	168.596	-275.60	145.33	682.04	659.80	22.25	30.657	
4,400.00	4,363.22	4,314.19	4,301.94	13.66	10.77	169.609	-285.74	139.12	709.22	686.27	22.94	30.913	
4,500.00	4,461.42	4,409.69	4,396.69	14.08	11.09	170.549	-295.87	132.91	736.58	712.93	23.65	31.150	
4,600.00	4,559.61	4,505.18	4,491.44	14.50	11.42	171.422	-306.00	126.70	764.12	739.76	24.36	31.369	
4,700.00	4,657.81	4,600.68	4,586.20	14.93	11.76	172.235	-316.13	120.49	791.81	766.73	25.08	31.573	
4,800.00	4,756.00	4,696.17	4,680.95	15.36	12.10	172.994	-326.27	114.28	819.64	793.84	25.81	31.762	
4,900.00	4,854.20	4,791.67	4,775.70	15.79	12.44	173.703	-336.40	108.07	847.60	821.06	26.54	31.938	
5,000.00	4,952.39	4,887.16	4,870.45	16.22	12.79	174.367	-346.53	101.86	875.67	848.39	27.28	32.102	
5,100.00	5,050.58	4,982.66	4,965.21	16.66	13.14	174.990	-356.67	95.65	903.84	875.82	28.02	32.255	
5,200.00	5,148.78	5,078.15	5,059.96	17.10	13.49	175.576	-366.80	89.44	932.11	903.34	28.77	32.398	
5,300.00	5,246.97	5,173.65	5,154.71	17.53	13.84	176.127	-376.93	83.23	960.46	930.93	29.52	32.531	
5,400.00	5,345.17	5,269.14	5,249.46	17.97	14.20	176.648	-387.07	77.02	988.89	958.60	30.28	32.656	
5,500.00	5,443.36	5,364.64	5,344.22	18.41	14.56	177.139	-397.20	70.81	1,017.39	986.34	31.04	32.773	
5,600.00	5,541.56	5,460.13	5,438.97	18.86	14.93	177.604	-407.33	64.60	1,045.95	1,014.14	31.81	32.882	
5,700.00	5,639.75	5,555.63	5,533.72	19.30	15.29	178.044	-417.46	58.39	1,074.58	1,042.00	32.58	32.985	
5,800.00	5,737.94	5,651.12	5,628.47	19.74	15.66	178.461	-427.60	52.17	1,103.26	1,069.91	33.35	33.082	
5,900.00	5,836.14	5,746.62	5,723.23	20.19	16.03	178.857	-437.73	45.96	1,131.99	1,097.87	34.12	33.174	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
6,000.00	5,934.33	5,842.11	5,817.98	20.63	16.40	179.234	-447.86	39.75	1,160.77	1,125.87	34.90	33.260	
6,100.00	6,032.53	5,937.61	5,912.73	21.08	16.77	179.593	-458.00	33.54	1,189.60	1,153.92	35.68	33.341	
6,200.00	6,130.72	6,033.10	6,007.48	21.53	17.14	179.935	-468.13	27.33	1,218.46	1,182.00	36.46	33.418	
6,300.00	6,228.92	6,128.60	6,102.24	21.98	17.52	-179.739	-478.26	21.12	1,247.37	1,210.12	37.25	33.490	
6,400.00	6,327.11	6,224.09	6,196.99	22.43	17.89	-179.428	-488.40	14.91	1,276.31	1,238.27	38.03	33.559	
6,500.00	6,425.31	6,319.58	6,291.74	22.88	18.27	-179.130	-498.53	8.70	1,305.28	1,266.46	38.82	33.624	
6,600.00	6,523.50	6,415.08	6,386.49	23.33	18.65	-178.846	-508.66	2.49	1,334.28	1,294.67	39.61	33.686	
6,700.00	6,621.69	6,510.57	6,481.25	23.78	19.03	-178.573	-518.80	-3.72	1,363.31	1,322.91	40.40	33.745	
6,800.00	6,719.89	6,606.07	6,576.00	24.23	19.41	-178.312	-528.93	-9.93	1,392.37	1,351.18	41.19	33.801	
6,900.00	6,818.08	6,701.56	6,670.75	24.68	19.79	-178.061	-539.06	-16.14	1,421.46	1,379.47	41.99	33.854	
7,000.00	6,916.28	6,797.06	6,765.50	25.14	20.17	-177.821	-549.19	-22.35	1,450.56	1,407.78	42.78	33.904	
7,100.00	7,014.58	6,892.72	6,860.42	25.57	20.55	-177.602	-559.34	-28.57	1,479.14	1,435.58	43.57	33.952	
7,200.00	7,113.41	6,999.52	6,966.40	26.02	20.97	-177.374	-570.60	-35.47	1,504.65	1,460.22	44.43	33.868	
7,300.00	7,212.71	7,177.56	7,143.76	26.45	21.66	-177.120	-583.58	-43.43	1,523.59	1,477.87	45.71	33.328	
7,400.00	7,312.36	7,347.92	7,314.04	26.85	22.09	-177.073	-587.22	-45.66	1,533.85	1,487.24	46.61	32.906	
7,500.00	7,412.24	7,447.79	7,413.92	27.20	22.11	-177.087	-587.22	-45.66	1,538.65	1,491.67	46.99	32.747	
7,600.00	7,512.22	7,547.78	7,513.90	27.34	22.14	179.730	-587.22	-45.66	1,540.00	1,492.84	47.16	32.654	
7,700.00	7,612.22	7,647.78	7,613.90	27.40	22.17	179.730	-587.22	-45.66	1,540.00	1,492.75	47.25	32.592	
7,800.00	7,712.22	7,747.78	7,713.90	27.44	22.20	179.730	-587.22	-45.66	1,540.00	1,492.67	47.33	32.538	
7,900.00	7,812.22	7,847.78	7,813.90	27.49	22.23	179.730	-587.22	-45.66	1,540.00	1,492.59	47.41	32.484	
7,968.57	7,880.72	7,916.28	7,882.40	27.49	22.25	90.000	-587.22	-45.66	1,539.99	1,492.54	47.45	32.453	
8,000.00	7,912.07	7,947.63	7,913.75	27.49	22.26	90.044	-587.22	-45.66	1,540.00	1,492.52	47.47	32.439	
8,100.00	8,009.86	8,045.42	8,011.54	27.50	22.29	90.765	-587.22	-45.66	1,540.14	1,492.53	47.62	32.343	
8,200.00	8,102.64	8,138.20	8,104.32	27.52	22.31	91.941	-587.22	-45.66	1,541.10	1,493.25	47.85	32.206	
8,300.00	8,187.60	8,223.16	8,189.28	27.58	22.34	93.305	-587.22	-45.66	1,543.98	1,495.82	48.17	32.056	
8,400.00	8,262.15	8,297.71	8,263.83	27.68	22.36	94.515	-587.22	-45.66	1,550.18	1,501.62	48.55	31.927	
8,500.00	8,324.02	8,359.58	8,325.70	27.87	22.38	95.208	-587.22	-45.66	1,561.09	1,512.09	49.00	31.858	
8,600.00	8,371.34	8,406.90	8,373.02	28.17	22.40	95.042	-587.22	-45.66	1,577.89	1,528.40	49.49	31.884	
8,700.00	8,402.67	8,438.23	8,404.35	28.61	22.41	93.743	-587.22	-45.66	1,601.23	1,551.24	49.99	32.034	
8,800.00	8,417.06	8,452.62	8,418.74	29.17	22.41	91.144	-587.22	-45.66	1,631.07	1,580.62	50.45	32.330	
8,900.00	8,418.00	8,453.56	8,419.68	29.87	22.41	90.000	-587.22	-45.66	1,666.69	1,615.83	50.85	32.774	
9,000.00	8,418.00	8,453.56	8,419.68	30.69	22.41	90.000	-587.22	-45.66	1,707.43	1,656.20	51.23	33.332	
9,100.00	8,418.00	8,453.56	8,419.68	31.63	22.41	90.000	-587.22	-45.66	1,752.94	1,701.38	51.56	33.997	
9,200.00	8,418.00	8,453.56	8,419.68	32.68	22.41	90.000	-587.22	-45.66	1,802.85	1,750.99	51.86	34.765	
9,300.00	8,418.00	10,185.35	9,360.00	33.82	28.30	121.408	-584.18	991.72	1,804.38	1,746.55	57.83	31.201	
9,321.13	8,418.00	10,206.48	9,360.00	34.08	28.59	121.408	-584.12	1,012.86	1,804.38	1,746.07	58.31	30.943	
9,400.00	8,418.00	10,285.35	9,360.00	35.04	29.70	121.408	-583.89	1,091.72	1,804.38	1,744.22	60.16	29.994	
9,421.13	8,418.00	10,306.48	9,360.00	35.32	30.00	121.408	-583.83	1,112.86	1,804.38	1,743.71	60.67	29.741	
9,500.00	8,418.00	10,385.35	9,360.00	36.35	31.17	121.408	-583.60	1,191.72	1,804.38	1,741.76	62.62	28.817	
9,521.13	8,418.00	10,406.48	9,360.00	36.64	31.49	121.408	-583.53	1,212.86	1,804.38	1,741.23	63.15	28.572	
9,600.00	8,418.00	10,485.35	9,360.00	37.72	32.72	121.408	-583.30	1,291.72	1,804.38	1,739.19	65.19	27.681	
9,621.13	8,418.00	10,506.48	9,360.00	38.02	33.05	121.408	-583.24	1,312.86	1,804.38	1,738.64	65.74	27.446	
9,700.00	8,418.00	10,585.35	9,360.00	39.15	34.32	121.408	-583.01	1,391.72	1,804.38	1,736.52	67.86	26.591	
9,721.13	8,418.00	10,606.48	9,360.00	39.47	34.67	121.408	-582.95	1,412.85	1,804.38	1,735.95	68.43	26.367	
9,800.00	8,418.00	10,685.35	9,360.00	40.64	35.98	121.408	-582.72	1,491.72	1,804.38	1,733.77	70.61	25.553	
9,821.13	8,418.00	10,706.48	9,360.00	40.97	36.33	121.408	-582.66	1,512.85	1,804.38	1,733.17	71.21	25.339	
9,900.00	8,418.00	10,785.35	9,360.00	42.18	37.68	121.408	-582.43	1,591.72	1,804.38	1,730.93	73.45	24.566	
9,921.13	8,418.00	10,806.48	9,360.00	42.52	38.04	121.408	-582.36	1,612.85	1,804.38	1,730.32	74.06	24.364	
10,000.00	8,418.00	10,885.35	9,360.00	43.76	39.41	121.408	-582.13	1,691.72	1,804.38	1,728.03	76.35	23.632	
10,021.13	8,418.00	10,906.48	9,360.00	44.11	39.78	121.408	-582.07	1,712.85	1,804.38	1,727.40	76.98	23.441	
10,100.00	8,418.00	10,985.35	9,360.00	45.39	41.18	121.408	-581.84	1,791.72	1,804.38	1,725.06	79.32	22.748	
10,121.13	8,418.00	11,006.48	9,360.00	45.74	41.55	121.408	-581.78	1,812.85	1,804.38	1,724.43	79.95	22.568	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.00	8,418.00	11,085.35	9,360.00	47.04	42.97	121.408	-581.55	1,891.72	1,804.38	1,722.04	82.34	21.914	
10,221.13	8,418.00	11,106.48	9,360.00	47.40	43.36	121.408	-581.49	1,912.85	1,804.38	1,721.40	82.98	21.744	
10,300.00	8,418.00	11,185.35	9,360.00	48.73	44.79	121.408	-581.26	1,991.72	1,804.38	1,718.97	85.40	21.127	
10,321.13	8,418.00	11,206.48	9,360.00	49.09	45.18	121.408	-581.19	2,012.85	1,804.38	1,718.32	86.06	20.967	
10,400.00	8,418.00	11,285.35	9,360.00	50.45	46.64	121.408	-580.96	2,091.72	1,804.38	1,715.86	88.51	20.385	
10,421.13	8,418.00	11,306.48	9,360.00	50.82	47.03	121.408	-580.90	2,112.85	1,804.38	1,715.20	89.18	20.234	
10,500.00	8,418.00	11,385.35	9,360.00	52.19	48.50	121.408	-580.67	2,191.72	1,804.38	1,712.72	91.66	19.685	
10,521.13	8,418.00	11,406.48	9,360.00	52.57	48.89	121.408	-580.61	2,212.85	1,804.38	1,712.05	92.33	19.542	
10,600.00	8,418.00	11,485.35	9,360.00	53.96	50.38	121.408	-580.38	2,291.72	1,804.38	1,709.53	94.85	19.024	
10,621.13	8,418.00	11,506.48	9,360.00	54.34	50.77	121.408	-580.32	2,312.85	1,804.38	1,708.86	95.52	18.889	
10,700.00	8,418.00	11,585.35	9,360.00	55.75	52.27	121.408	-580.09	2,391.72	1,804.38	1,706.32	98.06	18.401	
10,721.13	8,418.00	11,606.48	9,360.00	56.13	52.67	121.408	-580.02	2,412.85	1,804.38	1,705.64	98.74	18.273	
10,800.00	8,418.00	11,685.35	9,360.00	57.55	54.17	121.408	-579.79	2,491.72	1,804.38	1,703.08	101.30	17.812	
10,821.13	8,418.00	11,706.48	9,360.00	57.94	54.58	121.408	-579.73	2,512.85	1,804.38	1,702.39	101.99	17.691	
10,900.00	8,418.00	11,785.35	9,360.00	59.38	56.09	121.408	-579.50	2,591.72	1,804.38	1,699.81	104.57	17.255	
10,921.13	8,418.00	11,806.48	9,360.00	59.76	56.50	121.408	-579.44	2,612.85	1,804.38	1,699.11	105.26	17.141	
11,000.00	8,418.00	11,885.35	9,360.00	61.21	58.02	121.408	-579.21	2,691.72	1,804.38	1,696.52	107.86	16.729	
11,021.13	8,418.00	11,906.48	9,360.00	61.61	58.43	121.408	-579.15	2,712.85	1,804.38	1,695.82	108.56	16.621	
11,100.00	8,418.00	11,985.35	9,360.00	63.07	59.96	121.408	-578.92	2,791.72	1,804.38	1,693.21	111.17	16.230	
11,121.13	8,418.00	12,006.48	9,360.00	63.46	60.37	121.408	-578.85	2,812.85	1,804.38	1,692.50	111.88	16.128	
11,200.00	8,418.00	12,085.35	9,360.00	64.93	61.91	121.408	-578.62	2,891.72	1,804.38	1,689.87	114.50	15.758	
11,221.13	8,418.00	12,106.48	9,360.00	65.33	62.32	121.408	-578.56	2,912.85	1,804.38	1,689.17	115.21	15.661	
11,300.00	8,418.00	12,185.35	9,360.00	66.81	63.86	121.408	-578.33	2,991.72	1,804.38	1,686.53	117.85	15.310	
11,321.13	8,418.00	12,206.48	9,360.00	67.21	64.28	121.408	-578.27	3,012.85	1,804.38	1,685.82	118.56	15.219	
11,400.00	8,418.00	12,285.35	9,360.00	68.70	65.82	121.408	-578.04	3,091.72	1,804.38	1,683.16	121.22	14.885	
11,421.13	8,418.00	12,306.48	9,360.00	69.10	66.24	121.408	-577.98	3,112.85	1,804.38	1,682.45	121.93	14.798	
11,500.00	8,418.00	12,385.35	9,360.00	70.60	67.79	121.408	-577.75	3,191.71	1,804.38	1,679.78	124.60	14.481	
11,521.13	8,418.00	12,406.48	9,360.00	71.00	68.21	121.408	-577.68	3,212.85	1,804.38	1,679.06	125.32	14.399	
11,600.00	8,418.00	12,485.35	9,360.00	72.51	69.77	121.408	-577.45	3,291.71	1,804.38	1,676.39	127.99	14.097	
11,621.13	8,418.00	12,506.48	9,360.00	72.92	70.19	121.408	-577.39	3,312.85	1,804.38	1,675.67	128.71	14.019	
11,700.00	8,418.00	12,585.35	9,360.00	74.43	71.75	121.408	-577.16	3,391.71	1,804.38	1,672.98	131.40	13.732	
11,721.13	8,418.00	12,606.48	9,360.00	74.83	72.17	121.408	-577.10	3,412.85	1,804.38	1,672.26	132.12	13.657	
11,800.00	8,418.00	12,685.35	9,360.00	76.35	73.73	121.408	-576.87	3,491.71	1,804.38	1,669.56	134.82	13.384	
11,821.13	8,418.00	12,706.48	9,360.00	76.76	74.15	121.408	-576.81	3,512.85	1,804.38	1,668.84	135.54	13.312	
11,900.00	8,418.00	12,785.35	9,360.00	78.29	75.72	121.408	-576.57	3,591.71	1,804.38	1,666.13	138.25	13.052	
11,921.13	8,418.00	12,806.48	9,360.00	78.70	76.14	121.408	-576.51	3,612.85	1,804.38	1,665.41	138.97	12.984	
12,000.00	8,418.00	12,885.35	9,360.00	80.23	77.72	121.408	-576.28	3,691.71	1,804.38	1,662.69	141.69	12.735	
12,021.13	8,418.00	12,906.48	9,360.00	80.64	78.14	121.408	-576.22	3,712.85	1,804.38	1,661.97	142.41	12.670	
12,100.00	8,418.00	12,985.35	9,360.00	82.17	79.71	121.408	-575.99	3,791.71	1,804.38	1,659.25	145.13	12.433	
12,121.13	8,418.00	13,006.48	9,360.00	82.58	80.14	121.408	-575.93	3,812.84	1,804.38	1,658.52	145.86	12.370	
12,200.00	8,418.00	13,085.35	9,360.00	84.12	81.72	121.408	-575.70	3,891.71	1,804.38	1,655.79	148.59	12.143	
12,221.13	8,418.00	13,106.48	9,360.00	84.54	82.14	121.408	-575.64	3,912.84	1,804.38	1,655.06	149.32	12.084	
12,300.00	8,418.00	13,185.35	9,360.00	86.08	83.72	121.408	-575.40	3,991.71	1,804.38	1,652.32	152.06	11.867	
12,321.13	8,418.00	13,206.48	9,360.00	86.50	84.15	121.408	-575.34	4,012.84	1,804.38	1,651.59	152.79	11.810	
12,400.00	8,418.00	13,285.35	9,360.00	88.04	85.73	121.408	-575.11	4,091.71	1,804.38	1,648.85	155.53	11.602	
12,421.13	8,418.00	13,306.48	9,360.00	88.46	86.15	121.408	-575.05	4,112.84	1,804.38	1,648.12	156.26	11.547	
12,500.00	8,418.00	13,385.35	9,360.00	90.01	87.74	121.408	-574.82	4,191.71	1,804.38	1,645.37	159.01	11.348	
12,521.13	8,418.00	13,406.48	9,360.00	90.43	88.17	121.408	-574.76	4,212.84	1,804.38	1,644.63	159.74	11.295	
12,600.00	8,418.00	13,485.35	9,360.00	91.98	89.75	121.408	-574.53	4,291.71	1,804.38	1,641.88	162.49	11.104	
12,621.13	8,418.00	13,506.48	9,360.00	92.40	90.18	121.408	-574.47	4,312.84	1,804.38	1,641.15	163.23	11.054	
12,700.00	8,418.00	13,585.35	9,360.00	93.96	91.77	121.408	-574.23	4,391.71	1,804.38	1,638.39	165.99	10.871	
12,721.13	8,418.00	13,606.48	9,360.00	94.38	92.20	121.408	-574.17	4,412.84	1,804.38	1,637.65	166.73	10.822	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,800.00	8,418.00	13,685.35	9,360.00	95.94	93.79	121.408	-573.94	4,491.71	1,804.38	1,634.89	169.48	10.646	
12,821.13	8,418.00	13,706.48	9,360.00	96.36	94.22	121.408	-573.88	4,512.84	1,804.38	1,634.15	170.23	10.600	
12,900.00	8,418.00	13,785.35	9,360.00	97.92	95.81	121.408	-573.65	4,591.71	1,804.38	1,631.39	172.99	10.431	
12,921.13	8,418.00	13,806.48	9,360.00	98.34	96.24	121.408	-573.59	4,612.84	1,804.38	1,630.65	173.73	10.386	
13,000.00	8,418.00	13,885.35	9,360.00	99.91	97.83	121.408	-573.36	4,691.71	1,804.38	1,627.88	176.50	10.223	
13,021.13	8,418.00	13,906.48	9,360.00	100.33	98.26	121.408	-573.29	4,712.84	1,804.38	1,627.14	177.24	10.180	
13,100.00	8,418.00	13,985.35	9,360.00	101.90	99.86	121.408	-573.06	4,791.71	1,804.38	1,624.37	180.01	10.024	
13,121.13	8,418.00	14,006.48	9,360.00	102.32	100.29	121.408	-573.00	4,812.84	1,804.38	1,623.62	180.75	9.982	
13,200.00	8,418.00	14,085.35	9,360.00	103.89	101.88	121.408	-572.77	4,891.71	1,804.38	1,620.85	183.53	9.832	
13,221.13	8,418.00	14,106.48	9,360.00	104.32	102.31	121.408	-572.71	4,912.84	1,804.38	1,620.11	184.27	9.792	
13,300.00	8,418.00	14,185.35	9,360.00	105.89	103.91	121.408	-572.48	4,991.71	1,804.38	1,617.33	187.05	9.646	
13,321.13	8,418.00	14,206.48	9,360.00	106.31	104.34	121.408	-572.42	5,012.84	1,804.38	1,616.58	187.80	9.608	
13,400.00	8,418.00	14,285.35	9,360.00	107.89	105.94	121.408	-572.19	5,091.71	1,804.38	1,613.80	190.58	9.468	
13,421.13	8,418.00	14,306.48	9,360.00	108.31	106.37	121.408	-572.12	5,112.84	1,804.38	1,613.05	191.32	9.431	
13,500.00	8,418.00	14,385.35	9,360.00	109.89	107.97	121.408	-571.89	5,191.71	1,804.38	1,610.27	194.11	9.296	
13,521.13	8,418.00	14,406.48	9,360.00	110.31	108.40	121.408	-571.83	5,212.84	1,804.38	1,609.52	194.86	9.260	
13,600.00	8,418.00	14,485.35	9,360.00	111.90	110.01	121.408	-571.60	5,291.71	1,804.38	1,606.74	197.64	9.129	
13,621.13	8,418.00	14,506.48	9,360.00	112.32	110.44	121.408	-571.54	5,312.84	1,804.38	1,605.99	198.39	9.095	
13,700.00	8,418.00	14,585.35	9,360.00	113.90	112.04	121.408	-571.31	5,391.71	1,804.38	1,603.20	201.18	8.969	
13,721.13	8,418.00	14,606.48	9,360.00	114.33	112.47	121.408	-571.25	5,412.84	1,804.38	1,602.45	201.93	8.936	
13,800.00	8,418.00	14,685.35	9,360.00	115.91	114.08	121.408	-571.02	5,491.71	1,804.38	1,599.66	204.72	8.814	
13,821.13	8,418.00	14,706.48	9,360.00	116.34	114.51	121.408	-570.95	5,512.84	1,804.38	1,598.91	205.47	8.782	
13,900.00	8,418.00	14,785.35	9,360.00	117.92	116.11	121.408	-570.72	5,591.70	1,804.38	1,596.11	208.27	8.664	
13,921.13	8,418.00	14,806.48	9,360.00	118.35	116.54	121.408	-570.66	5,612.84	1,804.38	1,595.36	209.02	8.633	
14,000.00	8,418.00	14,885.35	9,360.00	119.94	118.15	121.408	-570.43	5,691.70	1,804.38	1,592.57	211.81	8.519	
14,021.13	8,418.00	14,906.48	9,360.00	120.36	118.58	121.408	-570.37	5,712.84	1,804.38	1,591.82	212.56	8.489	
14,100.00	8,418.00	14,985.35	9,360.00	121.95	120.19	121.408	-570.14	5,791.70	1,804.38	1,589.02	215.36	8.378	
14,121.13	8,418.00	15,006.48	9,360.00	122.38	120.62	121.408	-570.08	5,812.84	1,804.38	1,588.26	216.11	8.349	
14,200.00	8,418.00	15,085.35	9,360.00	123.97	122.23	121.408	-569.85	5,891.70	1,804.38	1,585.46	218.92	8.242	
14,221.13	8,418.00	15,106.48	9,360.00	124.39	122.66	121.408	-569.78	5,912.84	1,804.38	1,584.71	219.67	8.214	
14,300.00	8,418.00	15,185.35	9,360.00	125.99	124.27	121.408	-569.55	5,991.70	1,804.38	1,581.91	222.47	8.111	
14,321.13	8,418.00	15,206.48	9,360.00	126.41	124.70	121.408	-569.49	6,012.84	1,804.38	1,581.16	223.22	8.083	
14,400.00	8,418.00	15,285.35	9,360.00	128.01	126.31	121.408	-569.26	6,091.70	1,804.38	1,578.35	226.03	7.983	
14,421.13	8,418.00	15,306.48	9,360.00	128.43	126.75	121.408	-569.20	6,112.83	1,804.38	1,577.60	226.78	7.956	
14,500.00	8,418.00	15,385.35	9,360.00	130.03	128.36	121.408	-568.97	6,191.70	1,804.38	1,574.79	229.59	7.859	
14,521.13	8,418.00	15,406.48	9,360.00	130.46	128.79	121.408	-568.91	6,212.83	1,804.38	1,574.04	230.34	7.834	
14,600.00	8,418.00	15,485.35	9,360.00	132.05	130.40	121.408	-568.68	6,291.70	1,804.38	1,571.23	233.15	7.739	
14,621.13	8,418.00	15,506.48	9,360.00	132.48	130.83	121.408	-568.61	6,312.83	1,804.38	1,570.48	233.90	7.714	
14,700.00	8,418.00	15,585.35	9,360.00	134.08	132.45	121.408	-568.38	6,391.70	1,804.38	1,567.66	236.71	7.623	
14,721.13	8,418.00	15,606.48	9,360.00	134.50	132.88	121.408	-568.32	6,412.83	1,804.38	1,566.91	237.47	7.598	
14,800.00	8,418.00	15,685.35	9,360.00	136.10	134.49	121.408	-568.09	6,491.70	1,804.38	1,564.10	240.28	7.509	
14,821.13	8,418.00	15,706.48	9,360.00	136.53	134.92	121.408	-568.03	6,512.83	1,804.38	1,563.34	241.03	7.486	
14,900.00	8,418.00	15,785.35	9,360.00	138.13	136.54	121.408	-567.80	6,591.70	1,804.38	1,560.53	243.85	7.400	
14,921.13	8,418.00	15,806.48	9,360.00	138.56	136.97	121.408	-567.74	6,612.83	1,804.38	1,559.78	244.60	7.377	
15,000.00	8,418.00	15,885.35	9,360.00	140.16	138.58	121.408	-567.51	6,691.70	1,804.38	1,556.96	247.42	7.293	
15,021.13	8,418.00	15,906.48	9,360.00	140.59	139.02	121.408	-567.44	6,712.83	1,804.38	1,556.21	248.17	7.271	
15,100.00	8,418.00	15,985.35	9,360.00	142.19	140.63	121.408	-567.21	6,791.70	1,804.38	1,553.39	250.99	7.189	
15,121.13	8,418.00	16,006.48	9,360.00	142.62	141.06	121.408	-567.15	6,812.83	1,804.38	1,552.63	251.75	7.167	
15,200.00	8,418.00	16,085.35	9,360.00	144.22	142.68	121.408	-566.92	6,891.70	1,804.38	1,549.81	254.56	7.088	
15,221.13	8,418.00	16,106.48	9,360.00	144.65	143.11	121.408	-566.86	6,912.83	1,804.38	1,549.06	255.32	7.067	
15,300.00	8,418.00	16,185.35	9,360.00	146.25	144.73	121.408	-566.63	6,991.70	1,804.38	1,546.24	258.14	6.990	
15,321.13	8,418.00	16,206.48	9,360.00	146.68	145.16	121.408	-566.57	7,012.83	1,804.38	1,545.48	258.90	6.970	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
15,400.00	8,418.00	16,285.35	9,360.00	148.28	146.78	121.408	-566.34	7,091.70	1,804.38	1,542.66	261.72	6.894	
15,421.13	8,418.00	16,306.48	9,360.00	148.71	147.21	121.408	-566.27	7,112.83	1,804.38	1,541.91	262.47	6.875	
15,500.00	8,418.00	16,385.35	9,360.00	150.32	148.83	121.408	-566.04	7,191.70	1,804.38	1,539.08	265.29	6.801	
15,521.13	8,418.00	16,406.48	9,360.00	150.75	149.26	121.408	-565.98	7,212.83	1,804.38	1,538.33	266.05	6.782	
15,600.00	8,418.00	16,485.35	9,360.00	152.35	150.88	121.408	-565.75	7,291.70	1,804.38	1,535.51	268.87	6.711	
15,621.13	8,418.00	16,506.48	9,360.00	152.78	151.31	121.408	-565.69	7,312.83	1,804.38	1,534.75	269.63	6.692	
15,700.00	8,418.00	16,585.35	9,360.00	154.39	152.93	121.408	-565.46	7,391.70	1,804.38	1,531.92	272.45	6.623	
15,721.13	8,418.00	16,606.48	9,360.00	154.82	153.36	121.408	-565.40	7,412.83	1,804.38	1,531.17	273.21	6.604	
15,800.00	8,418.00	16,685.35	9,360.00	156.42	154.98	121.408	-565.17	7,491.70	1,804.38	1,528.34	276.04	6.537	
15,821.13	8,418.00	16,706.48	9,360.00	156.86	155.42	121.408	-565.10	7,512.83	1,804.38	1,527.58	276.79	6.519	
15,900.00	8,418.00	16,785.35	9,360.00	158.46	157.03	121.408	-564.87	7,591.70	1,804.38	1,524.76	279.62	6.453	
15,921.13	8,418.00	16,806.48	9,360.00	158.89	157.47	121.408	-564.81	7,612.83	1,804.38	1,524.00	280.38	6.436	
16,000.00	8,418.00	16,885.35	9,360.00	160.50	159.09	121.408	-564.58	7,691.70	1,804.38	1,521.17	283.21	6.371	
16,021.13	8,418.00	16,906.48	9,360.00	160.93	159.52	121.408	-564.52	7,712.83	1,804.38	1,520.42	283.96	6.354	
16,100.00	8,418.00	16,985.35	9,360.00	162.54	161.14	121.408	-564.29	7,791.70	1,804.38	1,517.59	286.79	6.292	
16,121.13	8,418.00	17,006.48	9,360.00	162.97	161.57	121.408	-564.23	7,812.83	1,804.38	1,516.83	287.55	6.275	
16,200.00	8,418.00	17,085.35	9,360.00	164.58	163.19	121.408	-564.00	7,891.69	1,804.38	1,514.00	290.38	6.214	
16,221.13	8,418.00	17,106.48	9,360.00	165.01	163.63	121.408	-563.93	7,912.83	1,804.38	1,513.24	291.14	6.198	
16,300.00	8,418.00	17,185.35	9,360.00	166.62	165.25	121.408	-563.70	7,991.69	1,804.38	1,510.41	293.97	6.138	
16,321.13	8,418.00	17,206.48	9,360.00	167.05	165.68	121.408	-563.64	8,012.83	1,804.38	1,509.65	294.73	6.122	
16,400.00	8,418.00	17,285.35	9,360.00	168.66	167.30	121.408	-563.41	8,091.69	1,804.38	1,506.82	297.56	6.064	
16,421.13	8,418.00	17,306.48	9,360.00	169.09	167.73	121.408	-563.35	8,112.83	1,804.38	1,506.06	298.31	6.049	
16,500.00	8,418.00	17,385.35	9,360.00	170.70	169.36	121.408	-563.12	8,191.69	1,804.38	1,503.23	301.15	5.992	
16,521.13	8,418.00	17,406.48	9,360.00	171.14	169.79	121.408	-563.06	8,212.83	1,804.38	1,502.47	301.91	5.977	
16,600.00	8,418.00	17,485.35	9,360.00	172.75	171.41	121.408	-562.82	8,291.69	1,804.38	1,499.64	304.74	5.921	
16,621.13	8,418.00	17,506.48	9,360.00	173.18	171.84	121.408	-562.76	8,312.83	1,804.38	1,498.88	305.50	5.906	
16,700.00	8,418.00	17,585.35	9,360.00	174.79	173.47	121.408	-562.53	8,391.69	1,804.38	1,496.05	308.33	5.852	
16,721.13	8,418.00	17,606.48	9,360.00	175.22	173.90	121.408	-562.47	8,412.83	1,804.38	1,495.29	309.09	5.838	
16,800.00	8,418.00	17,685.35	9,360.00	176.83	175.52	121.408	-562.24	8,491.69	1,804.38	1,492.46	311.92	5.785	
16,821.13	8,418.00	17,706.48	9,360.00	177.27	175.96	121.408	-562.18	8,512.82	1,804.38	1,491.70	312.68	5.771	
16,900.00	8,418.00	17,785.35	9,360.00	178.88	177.58	121.408	-561.95	8,591.69	1,804.38	1,488.86	315.52	5.719	
16,921.13	8,418.00	17,806.48	9,360.00	179.31	178.01	121.408	-561.89	8,612.82	1,804.38	1,488.10	316.28	5.705	
17,000.00	8,418.00	17,885.35	9,360.00	180.92	179.63	121.408	-561.65	8,691.69	1,804.38	1,485.27	319.11	5.654	
17,021.13	8,418.00	17,906.48	9,360.00	181.36	180.07	121.408	-561.59	8,712.82	1,804.38	1,484.51	319.87	5.641	
17,100.00	8,418.00	17,985.35	9,360.00	182.97	181.69	121.408	-561.36	8,791.69	1,804.38	1,481.67	322.71	5.591	
17,121.13	8,418.00	18,006.48	9,360.00	183.40	182.12	121.408	-561.30	8,812.82	1,804.38	1,480.91	323.47	5.578	
17,200.00	8,418.00	18,085.35	9,360.00	185.02	183.75	121.408	-561.07	8,891.69	1,804.38	1,478.07	326.30	5.530	
17,221.13	8,418.00	18,106.48	9,360.00	185.45	184.18	121.408	-561.01	8,912.82	1,804.38	1,477.31	327.07	5.517	
17,300.00	8,418.00	18,185.35	9,360.00	187.06	185.80	121.408	-560.78	8,991.69	1,804.38	1,474.48	329.90	5.469	
17,321.13	8,418.00	18,206.48	9,360.00	187.50	186.24	121.408	-560.72	9,012.82	1,804.38	1,473.72	330.66	5.457	
17,400.00	8,418.00	18,285.35	9,360.00	189.11	187.86	121.408	-560.48	9,091.69	1,804.38	1,470.88	333.50	5.410	
17,421.13	8,418.00	18,306.48	9,360.00	189.54	188.30	121.408	-560.42	9,112.82	1,804.38	1,470.12	334.26	5.398	
17,500.00	8,418.00	18,385.35	9,360.00	191.16	189.92	121.408	-560.19	9,191.69	1,804.38	1,467.28	337.10	5.353	
17,521.13	8,418.00	18,406.48	9,360.00	191.59	190.35	121.408	-560.13	9,212.82	1,804.38	1,466.52	337.86	5.341	
17,600.00	8,418.00	18,485.35	9,360.00	193.21	191.98	121.408	-559.90	9,291.69	1,804.38	1,463.68	340.70	5.296	
17,621.13	8,418.00	18,506.48	9,360.00	193.64	192.41	121.408	-559.84	9,312.82	1,804.38	1,462.92	341.46	5.284	
17,700.00	8,418.00	18,585.35	9,360.00	195.26	194.04	121.408	-559.61	9,391.69	1,804.38	1,460.08	344.30	5.241	
17,721.13	8,418.00	18,606.48	9,360.00	195.69	194.47	121.408	-559.54	9,412.82	1,804.38	1,459.32	345.06	5.229	
17,800.00	8,418.00	18,685.35	9,360.00	197.31	196.09	121.408	-559.31	9,491.69	1,804.38	1,456.48	347.90	5.186	
17,821.13	8,418.00	18,706.48	9,360.00	197.74	196.53	121.408	-559.25	9,512.82	1,804.38	1,455.72	348.66	5.175	
17,900.00	8,418.00	18,785.35	9,360.00	199.36	198.15	121.408	-559.02	9,591.69	1,804.38	1,452.88	351.50	5.133	
17,921.13	8,418.00	18,806.48	9,360.00	199.79	198.59	121.408	-558.96	9,612.82	1,804.38	1,452.12	352.26	5.122	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,000.00	8,418.00	18,885.35	9,360.00	201.41	200.21	121.408	-558.73	9,691.69	1,804.38	1,449.27	355.10	5.081	
18,021.13	8,418.00	18,906.48	9,360.00	201.84	200.65	121.408	-558.67	9,712.82	1,804.38	1,448.51	355.87	5.070	
18,100.00	8,418.00	18,985.35	9,360.00	203.46	202.27	121.408	-558.44	9,791.69	1,804.38	1,445.67	358.71	5.030	
18,121.13	8,418.00	19,006.48	9,360.00	203.89	202.71	121.408	-558.37	9,812.82	1,804.38	1,444.91	359.47	5.020	
18,200.00	8,418.00	19,085.35	9,360.00	205.51	204.33	121.408	-558.14	9,891.69	1,804.38	1,442.07	362.31	4.980	
18,221.13	8,418.00	19,106.48	9,360.00	205.94	204.77	121.408	-558.08	9,912.82	1,804.38	1,441.31	363.07	4.970	
18,300.00	8,418.00	19,185.35	9,360.00	207.56	206.39	121.408	-557.85	9,991.69	1,804.38	1,438.46	365.91	4.931	
18,321.13	8,418.00	19,206.48	9,360.00	207.99	206.83	121.408	-557.79	10,012.82	1,804.38	1,437.70	366.68	4.921	
18,400.00	8,418.00	19,285.35	9,360.00	209.61	208.45	121.408	-557.56	10,091.69	1,804.38	1,434.86	369.52	4.883	
18,421.13	8,418.00	19,306.48	9,360.00	210.04	208.89	121.408	-557.50	10,112.82	1,804.38	1,434.10	370.28	4.873	
18,500.00	8,418.00	19,385.35	9,360.00	211.66	210.51	121.408	-557.27	10,191.69	1,804.38	1,431.26	373.12	4.836	
18,521.13	8,418.00	19,406.48	9,360.00	212.10	210.95	121.408	-557.20	10,212.82	1,804.38	1,430.49	373.89	4.826	
18,600.00	8,418.00	19,485.35	9,360.00	213.71	212.57	121.408	-556.97	10,291.68	1,804.38	1,427.65	376.73	4.790	
18,621.13	8,418.00	19,506.48	9,360.00	214.15	213.01	121.408	-556.91	10,312.82	1,804.38	1,426.89	377.49	4.780	
18,700.00	8,418.00	19,585.35	9,360.00	215.77	214.63	121.408	-556.68	10,391.68	1,804.38	1,424.04	380.34	4.744	
18,721.13	8,418.00	19,606.48	9,360.00	216.20	215.07	121.408	-556.62	10,412.82	1,804.38	1,423.28	381.10	4.735	
18,800.00	8,418.00	19,685.35	9,360.00	217.82	216.69	121.408	-556.39	10,491.68	1,804.38	1,420.44	383.94	4.700	
18,821.13	8,418.00	19,706.48	9,360.00	218.25	217.13	121.408	-556.33	10,512.82	1,804.38	1,419.67	384.70	4.690	
18,900.00	8,418.00	19,785.35	9,360.00	219.87	218.75	121.408	-556.10	10,591.68	1,804.38	1,416.83	387.55	4.656	
18,921.13	8,418.00	19,806.48	9,360.00	220.31	219.19	121.408	-556.03	10,612.82	1,804.38	1,416.07	388.31	4.647	
19,000.00	8,418.00	19,885.35	9,360.00	221.93	220.81	121.408	-555.80	10,691.68	1,804.38	1,413.22	391.16	4.613	
19,021.13	8,418.00	19,906.48	9,360.00	222.36	221.25	121.408	-555.74	10,712.82	1,804.38	1,412.46	391.92	4.604	
19,100.00	8,418.00	19,985.35	9,360.00	223.98	222.87	121.408	-555.51	10,791.68	1,804.38	1,409.61	394.76	4.571	
19,121.13	8,418.00	20,006.48	9,360.00	224.41	223.31	121.408	-555.45	10,812.81	1,804.38	1,408.85	395.53	4.562	
19,200.00	8,418.00	20,085.35	9,360.00	226.03	224.94	121.408	-555.22	10,891.68	1,804.38	1,406.01	398.37	4.529	
19,221.13	8,418.00	20,106.48	9,360.00	226.47	225.37	121.408	-555.16	10,912.81	1,804.38	1,405.24	399.14	4.521	
19,300.00	8,418.00	20,185.35	9,360.00	228.09	227.00	121.408	-554.93	10,991.68	1,804.38	1,402.40	401.98	4.489	
19,321.13	8,418.00	20,206.48	9,360.00	228.52	227.43	121.408	-554.86	11,012.81	1,804.38	1,401.63	402.74	4.480	
19,400.00	8,418.00	20,285.35	9,360.00	230.14	229.06	121.408	-554.63	11,091.68	1,804.38	1,398.79	405.59	4.449	
19,421.13	8,418.00	20,306.48	9,360.00	230.58	229.50	121.408	-554.57	11,112.81	1,804.38	1,398.03	406.35	4.440	
19,500.00	8,418.00	20,385.35	9,360.00	232.20	231.12	121.408	-554.34	11,191.68	1,804.38	1,395.18	409.20	4.410	
19,521.13	8,418.00	20,406.48	9,360.00	232.63	231.56	121.408	-554.28	11,212.81	1,804.38	1,394.42	409.96	4.401	
19,600.00	8,418.00	20,485.35	9,360.00	234.25	233.18	121.408	-554.05	11,291.68	1,804.38	1,391.57	412.81	4.371	
19,621.13	8,418.00	20,506.48	9,360.00	234.69	233.62	121.408	-553.99	11,312.81	1,804.38	1,390.81	413.57	4.363	
19,700.00	8,418.00	20,585.35	9,360.00	236.31	235.25	121.408	-553.76	11,391.68	1,804.38	1,387.96	416.42	4.333	
19,721.13	8,418.00	20,606.48	9,360.00	236.74	235.68	121.408	-553.69	11,412.81	1,804.38	1,387.19	417.18	4.325	
19,800.00	8,418.00	20,685.35	9,360.00	238.37	237.31	121.408	-553.46	11,491.68	1,804.38	1,384.35	420.03	4.296	
19,821.13	8,418.00	20,706.48	9,360.00	238.80	237.74	121.408	-553.40	11,512.81	1,804.38	1,383.58	420.79	4.288	
19,900.00	8,418.00	20,785.35	9,360.00	240.42	239.37	121.408	-553.17	11,591.68	1,804.38	1,380.74	423.64	4.259	
19,921.13	8,418.00	20,806.48	9,360.00	240.86	239.81	121.408	-553.11	11,612.81	1,804.38	1,379.97	424.41	4.252	
20,000.00	8,418.00	20,885.35	9,360.00	242.48	241.43	121.408	-552.88	11,691.68	1,804.38	1,377.12	427.25	4.223	
20,021.13	8,418.00	20,906.48	9,360.00	242.91	241.87	121.408	-552.82	11,712.81	1,804.38	1,376.36	428.02	4.216	
20,100.00	8,418.00	20,985.35	9,360.00	244.53	243.49	121.408	-552.59	11,791.68	1,804.38	1,373.51	430.87	4.188	
20,121.13	8,418.00	21,006.48	9,360.00	244.97	243.93	121.408	-552.52	11,812.81	1,804.38	1,372.75	431.63	4.180	
20,200.00	8,418.00	21,085.35	9,360.00	246.59	245.56	121.408	-552.29	11,891.68	1,804.38	1,369.90	434.48	4.153	
20,221.13	8,418.00	21,106.48	9,360.00	247.03	245.99	121.408	-552.23	11,912.81	1,804.38	1,369.14	435.24	4.146	
20,300.00	8,418.00	21,185.35	9,360.00	248.65	247.62	121.408	-552.00	11,991.68	1,804.38	1,366.29	438.09	4.119	
20,321.13	8,418.00	21,206.48	9,360.00	249.08	248.06	121.408	-551.94	12,012.81	1,804.38	1,365.52	438.85	4.112	
20,400.00	8,418.00	21,285.35	9,360.00	250.70	249.68	121.408	-551.71	12,091.68	1,804.38	1,362.67	441.70	4.085	
20,421.13	8,418.00	21,306.48	9,360.00	251.14	250.12	121.408	-551.65	12,112.81	1,804.38	1,361.91	442.47	4.078	
20,500.00	8,418.00	21,385.35	9,360.00	252.76	251.75	121.408	-551.42	12,191.68	1,804.38	1,359.06	445.32	4.052	
20,521.13	8,418.00	21,406.48	9,360.00	253.20	252.18	121.408	-551.35	12,212.81	1,804.38	1,358.30	446.08	4.045	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
20,600.00	8,418.00	21,485.35	9,360.00	254.82	253.81	121.408	-551.12	12,291.68	1,804.38	1,355.45	448.93	4.019	
20,621.13	8,418.00	21,506.48	9,360.00	255.25	254.25	121.408	-551.06	12,312.81	1,804.38	1,354.68	449.69	4.012	
20,700.00	8,418.00	21,585.35	9,360.00	256.88	255.87	121.408	-550.83	12,391.68	1,804.38	1,351.83	452.54	3.987	
20,721.13	8,418.00	21,606.48	9,360.00	257.31	256.31	121.408	-550.77	12,412.81	1,804.38	1,351.07	453.31	3.980	
20,800.00	8,418.00	21,685.35	9,360.00	258.94	257.94	121.408	-550.54	12,491.68	1,804.38	1,348.22	456.16	3.956	
20,821.13	8,418.00	21,706.48	9,360.00	259.37	258.37	121.408	-550.48	12,512.81	1,804.38	1,347.46	456.92	3.949	
20,900.00	8,418.00	21,785.35	9,360.00	260.99	260.00	121.408	-550.24	12,591.67	1,804.38	1,344.61	459.77	3.925	
20,921.13	8,418.00	21,806.48	9,360.00	261.43	260.44	121.408	-550.18	12,612.81	1,804.38	1,343.84	460.54	3.918	
21,000.00	8,418.00	21,885.35	9,360.00	263.05	262.06	121.408	-549.95	12,691.67	1,804.38	1,340.99	463.39	3.894	
21,021.13	8,418.00	21,906.48	9,360.00	263.49	262.50	121.408	-549.89	12,712.81	1,804.38	1,340.23	464.15	3.887	
21,100.00	8,418.00	21,985.35	9,360.00	265.11	264.13	121.408	-549.66	12,791.67	1,804.38	1,337.38	467.00	3.864	
21,121.13	8,418.00	22,006.48	9,360.00	265.55	264.56	121.408	-549.60	12,812.81	1,804.38	1,336.61	467.77	3.857	
21,200.00	8,418.00	22,085.35	9,360.00	267.17	266.19	121.408	-549.37	12,891.67	1,804.38	1,333.76	470.62	3.834	
21,221.13	8,418.00	22,106.48	9,360.00	267.60	266.63	121.408	-549.31	12,912.81	1,804.38	1,333.00	471.38	3.828	
21,300.00	8,418.00	22,185.35	9,360.00	269.23	268.25	121.408	-549.07	12,991.67	1,804.38	1,330.15	474.23	3.805	
21,321.13	8,418.00	22,206.48	9,360.00	269.66	268.69	121.408	-549.01	13,012.81	1,804.38	1,329.38	475.00	3.799	
21,400.00	8,418.00	22,285.35	9,360.00	271.29	270.32	121.408	-548.78	13,091.67	1,804.38	1,326.53	477.85	3.776	
21,421.13	8,418.00	22,306.48	9,360.00	271.72	270.75	121.408	-548.72	13,112.81	1,804.38	1,325.77	478.61	3.770	
21,500.00	8,418.00	22,385.35	9,360.00	273.35	272.38	121.408	-548.49	13,191.67	1,804.38	1,322.91	481.46	3.748	
21,521.13	8,418.00	22,406.48	9,360.00	273.78	272.82	121.408	-548.43	13,212.80	1,804.38	1,322.15	482.23	3.742	
21,600.00	8,418.00	22,485.35	9,360.00	275.41	274.45	121.408	-548.20	13,291.67	1,804.38	1,319.30	485.08	3.720	
21,621.13	8,418.00	22,506.48	9,360.00	275.84	274.88	121.408	-548.14	13,312.80	1,804.38	1,318.53	485.85	3.714	
21,700.00	8,418.00	22,585.35	9,360.00	277.47	276.51	121.408	-547.90	13,391.67	1,804.38	1,315.68	488.70	3.692	
21,721.13	8,418.00	22,606.48	9,360.00	277.90	276.95	121.408	-547.84	13,412.80	1,804.38	1,314.92	489.46	3.686	
21,800.00	8,418.00	22,685.35	9,360.00	279.52	278.58	121.408	-547.61	13,491.67	1,804.38	1,312.06	492.31	3.665	
21,817.00	8,418.00	22,702.35	9,360.00	279.87	278.93	121.408	-547.56	13,508.67	1,804.38	1,311.45	492.93	3.661	
21,880.45	8,418.00	22,765.79	9,360.00	281.18	280.24	121.408	-547.38	13,572.12	1,804.38	1,309.16	495.22	3.644 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 (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	1.14	1.14	0.00	0.01	116.445	-112.16	225.50	251.85				
100.00	100.00	101.14	101.14	0.79	0.79	116.445	-112.16	225.50	251.85	250.27	1.58	159.520	
200.00	200.00	201.14	201.14	1.45	1.45	116.445	-112.16	225.50	251.85	248.96	2.90	86.927	
300.00	300.00	301.14	301.14	1.89	1.90	116.445	-112.16	225.50	251.85	248.07	3.79	66.496	
400.00	400.00	401.14	401.14	2.25	2.26	116.445	-112.16	225.50	251.85	247.34	4.51	55.832	
500.00	500.00	501.14	501.14	2.57	2.57	116.445	-112.16	225.50	251.85	246.71	5.14	49.012	
600.00	600.00	601.14	601.14	2.85	2.85	116.445	-112.16	225.50	251.85	246.15	5.70	44.168	
700.00	700.00	701.14	701.14	3.11	3.11	116.445	-112.16	225.50	251.85	245.63	6.22	40.497	
800.00	800.00	801.14	801.14	3.35	3.35	116.445	-112.16	225.50	251.85	245.15	6.70	37.589	
900.00	900.00	901.14	901.14	3.58	3.58	116.445	-112.16	225.50	251.85	244.70	7.15	35.211	
1,000.00	1,000.00	1,001.14	1,001.14	3.79	3.79	116.445	-112.16	225.50	251.85	244.27	7.58	33.218	
1,100.00	1,100.00	1,101.14	1,101.14	3.99	4.00	116.445	-112.16	225.50	251.85	243.86	7.99	31.516	
1,200.00	1,200.00	1,201.14	1,201.14	4.19	4.19	116.445	-112.16	225.50	251.85	243.47	8.38	30.041	
1,300.00	1,300.00	1,301.14	1,301.14	4.38	4.38	116.445	-112.16	225.50	251.85	243.09	8.76	28.744	
1,400.00	1,400.00	1,401.14	1,401.14	4.56	4.56	116.445	-112.16	225.50	251.85	242.73	9.13	27.594	
1,500.00	1,500.00	1,501.14	1,501.14	4.74	4.74	116.445	-112.16	225.50	251.85	242.37	9.48	26.563	
1,600.00	1,600.00	1,601.14	1,601.14	4.91	4.91	116.445	-112.16	225.50	251.85	242.03	9.83	25.633	
1,700.00	1,700.00	1,701.14	1,701.14	5.08	5.08	116.445	-112.16	225.50	251.85	241.69	10.16	24.788	
1,800.00	1,800.00	1,801.14	1,801.14	5.24	5.24	116.445	-112.16	225.50	251.85	241.37	10.49	24.016	
1,900.00	1,900.00	1,901.14	1,901.14	5.40	5.40	116.445	-112.16	225.50	251.85	241.05	10.81	23.306	
2,000.00	2,000.00	2,001.14	2,001.14	5.56	5.56	116.445	-112.16	225.50	251.85	240.73	11.12	22.651 CC, ES	
2,100.00	2,099.98	2,101.12	2,101.12	5.80	5.71	119.953	-112.16	225.50	252.72	241.27	11.45	22.077	
2,200.00	2,199.84	2,200.98	2,200.98	6.05	5.86	120.923	-112.16	225.50	255.37	243.60	11.77	21.690	
2,300.00	2,299.45	2,300.59	2,300.59	6.31	6.01	122.489	-112.16	225.50	259.97	247.86	12.11	21.475	
2,400.00	2,398.70	2,399.84	2,399.84	6.59	6.15	124.575	-112.16	225.50	266.74	254.29	12.45	21.426	
2,500.00	2,497.47	2,498.61	2,498.61	6.89	6.30	127.081	-112.16	225.50	275.97	263.16	12.81	21.539	
2,600.00	2,595.73	2,607.22	2,607.20	7.09	6.53	130.122	-110.57	224.27	285.90	272.71	13.20	21.666	
2,700.00	2,693.92	2,716.91	2,716.70	7.36	6.77	132.919	-105.67	220.47	293.05	279.39	13.66	21.455	
2,800.00	2,792.11	2,823.92	2,823.25	7.65	7.02	135.374	-97.82	214.39	297.17	283.02	14.15	21.004	
2,900.00	2,890.31	2,923.19	2,922.00	7.95	7.30	137.558	-89.77	208.15	300.82	286.10	14.72	20.441	
3,000.00	2,988.50	3,022.47	3,020.75	8.27	7.50	139.688	-81.73	201.91	304.89	289.67	15.22	20.031	
3,100.00	3,086.70	3,121.74	3,119.50	8.61	7.72	141.759	-73.68	195.68	309.39	293.62	15.76	19.629	
3,200.00	3,184.89	3,221.01	3,218.25	8.95	7.95	143.769	-65.63	189.44	314.28	297.94	16.34	19.238	
3,300.00	3,283.09	3,320.29	3,317.00	9.31	8.19	145.716	-57.58	183.20	319.54	302.60	16.94	18.863	
3,400.00	3,381.28	3,419.56	3,415.75	9.67	8.44	147.598	-49.54	176.97	325.17	307.60	17.57	18.505	
3,500.00	3,479.47	3,518.83	3,514.50	10.04	8.71	149.416	-41.49	170.73	331.14	312.91	18.23	18.168	
3,600.00	3,577.67	3,618.11	3,613.25	10.42	8.98	151.167	-33.44	164.50	337.43	318.53	18.90	17.853	
3,700.00	3,675.86	3,717.38	3,712.00	10.81	9.27	152.854	-25.39	158.26	344.03	324.44	19.59	17.559	
3,800.00	3,774.06	3,816.66	3,810.75	11.20	9.56	154.477	-17.35	152.02	350.92	330.62	20.30	17.288	
3,900.00	3,872.25	3,915.93	3,909.50	11.60	9.86	156.037	-9.30	145.79	358.07	337.06	21.02	17.038	
4,000.00	3,970.45	4,015.20	4,008.25	12.01	10.17	157.535	-1.25	139.55	365.49	343.75	21.74	16.809	
4,100.00	4,068.64	4,114.48	4,107.00	12.41	10.48	158.973	6.80	133.31	373.14	350.67	22.48	16.601	
4,200.00	4,166.84	4,213.75	4,205.75	12.83	10.80	160.352	14.84	127.08	381.03	357.81	23.22	16.411	
4,300.00	4,265.03	4,313.02	4,304.50	13.24	11.13	161.676	22.89	120.84	389.12	365.16	23.96	16.239	
4,400.00	4,363.22	4,412.30	4,403.25	13.66	11.45	162.946	30.94	114.60	397.41	372.70	24.71	16.084	
4,500.00	4,461.42	4,511.57	4,502.00	14.08	11.79	164.163	38.98	108.37	405.89	380.43	25.46	15.944	
4,600.00	4,559.61	4,610.85	4,600.75	14.50	12.13	165.330	47.03	102.13	414.55	388.34	26.21	15.818	
4,700.00	4,657.81	4,710.12	4,699.50	14.93	12.47	166.450	55.08	95.89	423.37	396.41	26.96	15.705	
4,800.00	4,756.00	4,809.39	4,798.25	15.36	12.81	167.524	63.13	89.66	432.35	404.64	27.71	15.605	
4,900.00	4,854.20	4,908.67	4,897.00	15.79	13.16	168.554	71.17	83.42	441.47	413.01	28.45	15.515	
5,000.00	4,952.39	5,007.94	4,995.75	16.22	13.51	169.542	79.22	77.18	450.72	421.52	29.20	15.436	
5,100.00	5,050.58	5,107.21	5,094.50	16.66	13.87	170.490	87.27	70.95	460.11	430.17	29.94	15.365	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,148.78	5,206.49	5,193.25	17.10	14.22	171.401	95.32	64.71	469.62	438.93	30.69	15.304	
5,300.00	5,246.97	5,305.76	5,292.00	17.53	14.58	172.275	103.36	58.47	479.24	447.81	31.43	15.249	
5,400.00	5,345.17	5,405.03	5,390.75	17.97	14.94	173.115	111.41	52.24	488.96	456.80	32.16	15.202	
5,500.00	5,443.36	5,504.31	5,489.50	18.41	15.30	173.922	119.46	46.00	498.79	465.89	32.90	15.161	
5,600.00	5,541.56	5,603.58	5,588.25	18.86	15.67	174.698	127.51	39.76	508.71	475.08	33.63	15.126	
5,700.00	5,639.75	5,702.86	5,687.00	19.30	16.04	175.444	135.55	33.53	518.73	484.36	34.36	15.096	
5,800.00	5,737.94	5,802.13	5,785.75	19.74	16.40	176.162	143.60	27.29	528.82	493.73	35.09	15.071	
5,900.00	5,836.14	5,901.40	5,884.50	20.19	16.77	176.853	151.65	21.05	539.00	503.18	35.81	15.051	
6,000.00	5,934.33	6,000.68	5,983.25	20.63	17.14	177.519	159.70	14.82	549.25	512.71	36.53	15.034	
6,100.00	6,032.53	6,099.95	6,082.00	21.08	17.52	178.160	167.74	8.58	559.57	522.31	37.25	15.021	
6,200.00	6,130.72	6,199.22	6,180.75	21.53	17.89	178.778	175.79	2.35	569.96	531.99	37.97	15.011	
6,300.00	6,228.92	6,298.50	6,279.50	21.98	18.26	179.374	183.84	-3.89	580.41	541.72	38.68	15.004	
6,400.00	6,327.11	6,397.77	6,378.25	22.43	18.64	179.948	191.89	-10.13	590.92	551.52	39.39	15.000	
6,500.00	6,425.31	6,497.04	6,477.00	22.88	19.02	-179.497	199.93	-16.36	601.49	561.38	40.10	14.999	
6,600.00	6,523.50	6,596.32	6,575.75	23.33	19.39	-178.961	207.98	-22.60	612.11	571.30	40.81	14.999	
6,700.00	6,621.69	6,695.59	6,674.50	23.78	19.77	-178.444	216.03	-28.84	622.78	581.27	41.51	15.002	
6,800.00	6,719.89	6,794.87	6,773.25	24.23	20.15	-177.944	224.07	-35.07	633.51	591.29	42.22	15.006	
6,900.00	6,818.08	6,891.72	6,869.60	24.68	20.51	-177.474	231.90	-41.14	644.30	601.42	42.89	15.023	
7,000.00	6,916.28	6,975.68	6,953.27	25.14	20.83	-177.164	237.43	-45.42	656.64	613.15	43.50	15.096	
7,100.00	7,014.58	7,059.28	7,036.74	25.57	21.13	-177.001	241.00	-48.19	670.73	626.67	44.07	15.221	
7,200.00	7,113.41	7,142.75	7,120.19	26.02	21.33	-176.964	242.65	-49.47	683.97	639.40	44.57	15.346	
7,300.00	7,212.71	7,236.42	7,213.85	26.45	21.40	-177.016	242.77	-49.57	695.57	650.55	45.02	15.449	
7,400.00	7,312.36	7,336.07	7,313.50	26.85	21.45	-177.060	242.77	-49.57	703.85	658.36	45.49	15.473	
7,500.00	7,412.24	7,435.95	7,413.38	27.20	21.50	-177.085	242.77	-49.57	708.65	662.75	45.90	15.438	
7,600.00	7,512.22	7,535.93	7,513.36	27.34	21.56	179.730	242.77	-49.57	710.00	663.89	46.11	15.398	
7,700.00	7,612.22	7,635.93	7,613.36	27.40	21.61	179.730	242.77	-49.57	710.00	663.77	46.23	15.358	
7,800.00	7,712.22	7,735.93	7,713.36	27.44	21.67	179.730	242.77	-49.57	710.00	663.66	46.34	15.322	
7,900.00	7,812.22	7,835.93	7,813.36	27.49	21.72	179.730	242.77	-49.57	710.00	663.55	46.45	15.286	
7,946.61	7,858.81	7,882.51	7,859.95	27.49	21.75	90.000	242.77	-49.57	710.00	663.53	46.47	15.279	
8,000.00	7,912.07	7,935.78	7,913.21	27.49	21.77	90.213	242.77	-49.57	710.00	663.53	46.48	15.277	
8,100.00	8,009.86	8,033.57	8,011.00	27.50	21.83	91.773	242.77	-49.57	710.37	664.06	46.31	15.340	
8,200.00	8,102.64	8,126.35	8,103.78	27.52	21.88	94.310	242.77	-49.57	712.52	666.59	45.93	15.513	
8,300.00	8,187.60	8,211.31	8,188.74	27.58	21.92	97.233	242.77	-49.57	718.84	673.53	45.31	15.864	
8,400.00	8,262.15	8,285.86	8,263.29	27.68	21.97	99.800	242.77	-49.57	732.18	687.72	44.46	16.469	
8,500.00	8,324.02	8,347.73	8,325.16	27.87	22.00	101.246	242.77	-49.57	755.17	711.78	43.40	17.402	
8,600.00	8,371.34	8,395.05	8,372.48	28.17	22.03	100.879	242.77	-49.57	789.48	747.26	42.21	18.702	
8,700.00	8,402.67	8,426.38	8,403.81	28.61	22.04	98.104	242.77	-49.57	835.31	794.29	41.02	20.362	
8,800.00	8,417.06	8,440.77	8,418.20	29.17	22.05	92.488	242.77	-49.57	891.34	851.43	39.91	22.334	
8,900.00	8,418.00	8,441.71	8,419.14	29.87	22.05	90.000	242.77	-49.57	955.11	916.18	38.94	24.530	
9,000.00	8,418.00	8,441.71	8,419.14	30.69	22.05	90.000	242.77	-49.57	1,024.70	986.53	38.17	26.844	
9,100.00	8,418.00	8,441.71	8,419.14	31.63	22.05	90.000	242.77	-49.57	1,099.00	1,061.41	37.59	29.238	
9,200.00	8,418.00	8,441.71	8,419.14	32.68	22.05	90.000	242.77	-49.57	1,177.10	1,139.95	37.15	31.685	
9,300.00	8,418.00	8,441.71	8,419.14	33.82	22.05	90.000	242.77	-49.57	1,258.31	1,221.48	36.83	34.168	
9,400.00	8,418.00	8,441.71	8,419.14	35.04	22.05	90.000	242.77	-49.57	1,342.05	1,305.46	36.59	36.675	
9,500.00	8,418.00	8,441.71	8,419.14	36.35	22.05	90.000	242.77	-49.57	1,427.89	1,391.47	36.43	39.199	
9,600.00	8,418.00	8,441.71	8,419.14	37.72	22.05	90.000	242.77	-49.57	1,515.47	1,479.16	36.31	41.735	
9,700.00	8,418.00	8,441.71	8,419.14	39.15	22.05	90.000	242.77	-49.57	1,604.50	1,568.27	36.24	44.279	
9,800.00	8,418.00	8,441.71	8,419.14	40.64	22.05	90.000	242.77	-49.57	1,694.76	1,658.57	36.19	46.828	
9,900.00	8,418.00	8,441.71	8,419.14	42.18	22.05	90.000	242.77	-49.57	1,786.05	1,749.88	36.17	49.380	
10,000.00	8,418.00	8,441.71	8,419.14	43.76	22.05	90.000	242.77	-49.57	1,878.23	1,842.07	36.17	51.935	
10,100.00	8,418.00	11,790.52	10,175.00	45.39	41.26	157.984	248.15	1,789.29	1,893.97	1,830.61	63.36	29.891	
10,100.00	8,418.00	11,790.52	10,175.00	45.39	41.26	157.984	248.15	1,789.29	1,893.97	1,830.61	63.36	29.891	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft		
Survey Program: 0-MWD+IFR1				Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,200.00	8,418.00	11,890.52	10,175.00	47.04	43.05	157.984	248.45	1,889.29	1,893.97	1,828.90	65.08	29.102			
10,200.00	8,418.00	11,890.52	10,175.00	47.04	43.05	157.984	248.45	1,889.29	1,893.97	1,828.90	65.08	29.102			
10,300.00	8,418.00	11,990.52	10,175.00	48.73	44.87	157.984	248.74	1,989.29	1,893.97	1,827.15	66.82	28.344			
10,300.00	8,418.00	11,990.52	10,175.00	48.73	44.87	157.984	248.74	1,989.29	1,893.97	1,827.15	66.82	28.344			
10,400.00	8,418.00	12,090.52	10,175.00	50.45	46.72	157.984	249.03	2,089.29	1,893.97	1,825.39	68.58	27.616			
10,400.00	8,418.00	12,090.52	10,175.00	50.45	46.72	157.984	249.03	2,089.29	1,893.97	1,825.39	68.58	27.616			
10,500.00	8,418.00	12,190.52	10,175.00	52.19	48.58	157.984	249.32	2,189.29	1,893.97	1,823.61	70.37	26.916			
10,500.00	8,418.00	12,190.52	10,175.00	52.19	48.58	157.984	249.32	2,189.29	1,893.97	1,823.61	70.37	26.916			
10,600.00	8,418.00	12,290.52	10,175.00	53.96	50.46	157.984	249.62	2,289.29	1,893.97	1,821.80	72.17	26.243			
10,600.00	8,418.00	12,290.52	10,175.00	53.96	50.46	157.984	249.62	2,289.29	1,893.97	1,821.80	72.17	26.243			
10,700.00	8,418.00	12,390.52	10,175.00	55.75	52.35	157.984	249.91	2,389.29	1,893.97	1,819.98	73.99	25.598			
10,700.00	8,418.00	12,390.52	10,175.00	55.75	52.35	157.984	249.91	2,389.29	1,893.97	1,819.98	73.99	25.598			
10,800.00	8,418.00	12,490.52	10,175.00	57.55	54.26	157.984	250.20	2,489.29	1,893.97	1,818.15	75.83	24.977			
10,800.00	8,418.00	12,490.52	10,175.00	57.55	54.26	157.984	250.20	2,489.29	1,893.97	1,818.15	75.83	24.977			
10,900.00	8,418.00	12,590.52	10,175.00	59.38	56.18	157.984	250.49	2,589.29	1,893.97	1,816.29	77.68	24.382			
10,900.00	8,418.00	12,590.52	10,175.00	59.38	56.18	157.984	250.49	2,589.29	1,893.97	1,816.29	77.68	24.382			
11,000.00	8,418.00	12,690.52	10,175.00	61.21	58.11	157.984	250.79	2,689.29	1,893.97	1,814.43	79.55	23.810			
11,000.00	8,418.00	12,690.52	10,175.00	61.21	58.11	157.984	250.79	2,689.29	1,893.97	1,814.43	79.55	23.810			
11,100.00	8,418.00	12,790.52	10,175.00	63.07	60.05	157.984	251.08	2,789.29	1,893.97	1,812.55	81.43	23.260			
11,100.00	8,418.00	12,790.52	10,175.00	63.07	60.05	157.984	251.08	2,789.29	1,893.97	1,812.55	81.43	23.260			
11,200.00	8,418.00	12,890.52	10,175.00	64.93	61.99	157.984	251.37	2,889.29	1,893.97	1,810.66	83.32	22.732			
11,200.00	8,418.00	12,890.52	10,175.00	64.93	61.99	157.984	251.37	2,889.29	1,893.97	1,810.66	83.32	22.732			
11,300.00	8,418.00	12,990.52	10,175.00	66.81	63.95	157.984	251.66	2,989.29	1,893.97	1,808.75	85.22	22.224			
11,300.00	8,418.00	12,990.52	10,175.00	66.81	63.95	157.984	251.66	2,989.29	1,893.97	1,808.75	85.22	22.224			
11,400.00	8,418.00	13,090.52	10,175.00	68.70	65.91	157.984	251.96	3,089.29	1,893.97	1,806.84	87.14	21.736			
11,400.00	8,418.00	13,090.52	10,175.00	68.70	65.91	157.984	251.96	3,089.29	1,893.97	1,806.84	87.14	21.736			
11,500.00	8,418.00	13,190.52	10,175.00	70.60	67.88	157.984	252.25	3,189.29	1,893.97	1,804.91	89.06	21.266			
11,500.00	8,418.00	13,190.52	10,175.00	70.60	67.88	157.984	252.25	3,189.29	1,893.97	1,804.91	89.06	21.266			
11,600.00	8,418.00	13,290.52	10,175.00	72.51	69.86	157.984	252.54	3,289.29	1,893.97	1,802.98	91.00	20.814			
11,600.00	8,418.00	13,290.52	10,175.00	72.51	69.86	157.984	252.54	3,289.29	1,893.97	1,802.98	91.00	20.814			
11,700.00	8,418.00	13,390.52	10,175.00	74.43	71.84	157.984	252.83	3,389.29	1,893.97	1,801.04	92.94	20.379			
11,700.00	8,418.00	13,390.52	10,175.00	74.43	71.84	157.984	252.83	3,389.29	1,893.97	1,801.04	92.94	20.379			
11,800.00	8,418.00	13,490.52	10,175.00	76.35	73.82	157.984	253.13	3,489.29	1,893.97	1,799.09	94.89	19.960			
11,800.00	8,418.00	13,490.52	10,175.00	76.35	73.82	157.984	253.13	3,489.29	1,893.97	1,799.09	94.89	19.960			
11,900.00	8,418.00	13,590.52	10,175.00	78.29	75.81	157.984	253.42	3,589.28	1,893.97	1,797.13	96.85	19.556			
11,900.00	8,418.00	13,590.52	10,175.00	78.29	75.81	157.984	253.42	3,589.29	1,893.97	1,797.13	96.85	19.556			
12,000.00	8,418.00	13,690.52	10,175.00	80.23	77.81	157.984	253.71	3,689.28	1,893.97	1,795.16	98.81	19.167			
12,000.00	8,418.00	13,690.52	10,175.00	80.23	77.81	157.984	253.71	3,689.29	1,893.97	1,795.16	98.81	19.167			
12,100.00	8,418.00	13,790.52	10,175.00	82.17	79.81	157.984	254.00	3,789.28	1,893.98	1,793.19	100.79	18.792			
12,100.00	8,418.00	13,790.52	10,175.00	82.17	79.81	157.984	254.00	3,789.29	1,893.98	1,793.19	100.79	18.792			
12,200.00	8,418.00	13,890.52	10,175.00	84.12	81.81	157.984	254.30	3,889.28	1,893.98	1,791.21	102.77	18.430			
12,200.00	8,418.00	13,890.52	10,175.00	84.12	81.81	157.984	254.30	3,889.29	1,893.98	1,791.21	102.77	18.430			
12,300.00	8,418.00	13,990.52	10,175.00	86.08	83.81	157.984	254.59	3,989.28	1,893.98	1,789.22	104.75	18.080			
12,300.00	8,418.00	13,990.52	10,175.00	86.08	83.81	157.984	254.59	3,989.29	1,893.98	1,789.22	104.75	18.080			
12,400.00	8,418.00	14,090.52	10,175.00	88.04	85.82	157.984	254.88	4,089.28	1,893.98	1,787.23	106.75	17.743			
12,400.00	8,418.00	14,090.52	10,175.00	88.04	85.82	157.984	254.88	4,089.29	1,893.98	1,787.23	106.75	17.743			
12,500.00	8,418.00	14,190.52	10,175.00	90.01	87.83	157.984	255.17	4,189.28	1,893.98	1,785.23	108.74	17.417			
12,500.00	8,418.00	14,190.52	10,175.00	90.01	87.83	157.984	255.17	4,189.28	1,893.98	1,785.23	108.74	17.417			
12,600.00	8,418.00	14,290.52	10,175.00	91.98	89.85	157.984	255.47	4,289.28	1,893.98	1,783.23	110.74	17.102			
12,600.00	8,418.00	14,290.52	10,175.00	91.98	89.85	157.984	255.47	4,289.28	1,893.98	1,783.23	110.74	17.102			
12,700.00	8,418.00	14,390.52	10,175.00	93.96	91.86	157.984	255.76	4,389.28	1,893.98	1,781.22	112.75	16.798			
12,700.00	8,418.00	14,390.52	10,175.00	93.96	91.86	157.984	255.76	4,389.28	1,893.98	1,781.22	112.75	16.798			

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 (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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)		
12,800.00	8,418.00	14,490.52	10,175.00	95.94	93.88	157.984	256.05	4,489.28	1,893.98	1,779.21	114.76	16.503	
12,800.00	8,418.00	14,490.52	10,175.00	95.94	93.88	157.984	256.05	4,489.28	1,893.98	1,779.21	114.76	16.503	
12,900.00	8,418.00	14,590.52	10,175.00	97.92	95.90	157.984	256.34	4,589.28	1,893.98	1,777.20	116.78	16.218	
12,900.00	8,418.00	14,590.52	10,175.00	97.92	95.90	157.984	256.34	4,589.28	1,893.98	1,777.20	116.78	16.218	
13,000.00	8,418.00	14,690.52	10,175.00	99.91	97.93	157.984	256.64	4,689.28	1,893.98	1,775.18	118.80	15.943	
13,000.00	8,418.00	14,690.52	10,175.00	99.91	97.93	157.984	256.64	4,689.28	1,893.98	1,775.18	118.80	15.943	
13,100.00	8,418.00	14,790.52	10,175.00	101.90	99.95	157.984	256.93	4,789.28	1,893.98	1,773.15	120.82	15.676	
13,100.00	8,418.00	14,790.52	10,175.00	101.90	99.95	157.984	256.93	4,789.28	1,893.98	1,773.15	120.82	15.676	
13,200.00	8,418.00	14,890.52	10,175.00	103.89	101.98	157.984	257.22	4,889.28	1,893.98	1,771.12	122.85	15.417	
13,200.00	8,418.00	14,890.52	10,175.00	103.89	101.98	157.984	257.22	4,889.28	1,893.98	1,771.12	122.85	15.417	
13,300.00	8,418.00	14,990.52	10,175.00	105.89	104.01	157.984	257.51	4,989.28	1,893.98	1,769.09	124.88	15.166	
13,300.00	8,418.00	14,990.52	10,175.00	105.89	104.01	157.984	257.51	4,989.28	1,893.98	1,769.09	124.88	15.166	
13,400.00	8,418.00	15,090.52	10,175.00	107.89	106.04	157.984	257.81	5,089.28	1,893.98	1,767.06	126.92	14.923	
13,400.00	8,418.00	15,090.52	10,175.00	107.89	106.04	157.984	257.81	5,089.28	1,893.98	1,767.06	126.92	14.923	
13,500.00	8,418.00	15,190.52	10,175.00	109.89	108.07	157.984	258.10	5,189.28	1,893.98	1,765.02	128.96	14.687	
13,500.00	8,418.00	15,190.52	10,175.00	109.89	108.07	157.984	258.10	5,189.28	1,893.98	1,765.02	128.96	14.687	
13,600.00	8,418.00	15,290.52	10,175.00	111.90	110.10	157.984	258.39	5,289.28	1,893.98	1,762.98	131.00	14.458	
13,600.00	8,418.00	15,290.52	10,175.00	111.90	110.10	157.984	258.39	5,289.28	1,893.98	1,762.98	131.00	14.458	
13,700.00	8,418.00	15,390.52	10,175.00	113.90	112.14	157.984	258.68	5,389.28	1,893.98	1,760.93	133.04	14.236	
13,700.00	8,418.00	15,390.52	10,175.00	113.90	112.14	157.984	258.68	5,389.28	1,893.98	1,760.93	133.04	14.236	
13,800.00	8,418.00	15,490.52	10,175.00	115.91	114.17	157.984	258.98	5,489.28	1,893.98	1,758.89	135.09	14.020	
13,800.00	8,418.00	15,490.52	10,175.00	115.91	114.17	157.984	258.98	5,489.28	1,893.98	1,758.89	135.09	14.020	
13,900.00	8,418.00	15,590.52	10,175.00	117.92	116.21	157.984	259.27	5,589.28	1,893.98	1,756.84	137.14	13.811	
13,900.00	8,418.00	15,590.52	10,175.00	117.92	116.21	157.984	259.27	5,589.28	1,893.98	1,756.84	137.14	13.811	
14,000.00	8,418.00	15,690.52	10,175.00	119.94	118.25	157.984	259.56	5,689.28	1,893.98	1,754.78	139.19	13.607	
14,000.00	8,418.00	15,690.52	10,175.00	119.94	118.25	157.984	259.56	5,689.28	1,893.98	1,754.78	139.19	13.607	
14,100.00	8,418.00	15,790.52	10,175.00	121.95	120.29	157.984	259.85	5,789.28	1,893.98	1,752.73	141.25	13.409	
14,100.00	8,418.00	15,790.52	10,175.00	121.95	120.29	157.984	259.85	5,789.28	1,893.98	1,752.73	141.25	13.409	
14,200.00	8,418.00	15,890.52	10,175.00	123.97	122.33	157.984	260.15	5,889.27	1,893.98	1,750.67	143.30	13.217	
14,200.00	8,418.00	15,890.52	10,175.00	123.97	122.33	157.984	260.15	5,889.28	1,893.98	1,750.67	143.30	13.217	
14,300.00	8,418.00	15,990.52	10,175.00	125.99	124.37	157.984	260.44	5,989.27	1,893.98	1,748.61	145.36	13.029	
14,300.00	8,418.00	15,990.52	10,175.00	125.99	124.37	157.984	260.44	5,989.28	1,893.98	1,748.61	145.36	13.029	
14,400.00	8,418.00	16,090.52	10,175.00	128.01	126.41	157.984	260.73	6,089.27	1,893.98	1,746.55	147.42	12.847	
14,400.00	8,418.00	16,090.52	10,175.00	128.01	126.41	157.984	260.73	6,089.28	1,893.98	1,746.55	147.42	12.847	
14,500.00	8,418.00	16,190.52	10,175.00	130.03	128.45	157.984	261.02	6,189.27	1,893.98	1,744.49	149.49	12.670	
14,500.00	8,418.00	16,190.52	10,175.00	130.03	128.45	157.984	261.02	6,189.28	1,893.98	1,744.49	149.49	12.670	
14,600.00	8,418.00	16,290.52	10,175.00	132.05	130.50	157.984	261.32	6,289.27	1,893.98	1,742.42	151.55	12.497	
14,600.00	8,418.00	16,290.52	10,175.00	132.05	130.50	157.984	261.32	6,289.28	1,893.98	1,742.42	151.55	12.497	
14,700.00	8,418.00	16,390.52	10,175.00	134.08	132.54	157.984	261.61	6,389.27	1,893.98	1,740.35	153.62	12.329	
14,700.00	8,418.00	16,390.52	10,175.00	134.08	132.54	157.984	261.61	6,389.28	1,893.98	1,740.35	153.62	12.329	
14,800.00	8,418.00	16,490.52	10,175.00	136.10	134.59	157.984	261.90	6,489.27	1,893.98	1,738.28	155.69	12.165	
14,800.00	8,418.00	16,490.52	10,175.00	136.10	134.59	157.984	261.90	6,489.27	1,893.98	1,738.28	155.69	12.165	
14,900.00	8,418.00	16,590.52	10,175.00	138.13	136.63	157.984	262.19	6,589.27	1,893.98	1,736.21	157.76	12.005	
14,900.00	8,418.00	16,590.52	10,175.00	138.13	136.63	157.984	262.19	6,589.27	1,893.98	1,736.21	157.76	12.005	
15,000.00	8,418.00	16,690.52	10,175.00	140.16	138.68	157.984	262.49	6,689.27	1,893.98	1,734.14	159.83	11.850	
15,000.00	8,418.00	16,690.52	10,175.00	140.16	138.68	157.984	262.49	6,689.27	1,893.98	1,734.14	159.83	11.850	
15,100.00	8,418.00	16,790.52	10,175.00	142.19	140.73	157.984	262.78	6,789.27	1,893.98	1,732.07	161.91	11.698	
15,100.00	8,418.00	16,790.52	10,175.00	142.19	140.73	157.984	262.78	6,789.27	1,893.98	1,732.07	161.91	11.698	
15,200.00	8,418.00	16,890.52	10,175.00	144.22	142.78	157.984	263.07	6,889.27	1,893.98	1,729.99	163.99	11.550	
15,200.00	8,418.00	16,890.52	10,175.00	144.22	142.78	157.984	263.07	6,889.27	1,893.98	1,729.99	163.99	11.550	
15,300.00	8,418.00	16,990.52	10,175.00	146.25	144.83	157.984	263.36	6,989.27	1,893.98	1,727.91	166.06	11.405	
15,300.00	8,418.00	16,990.52	10,175.00	146.25	144.83	157.984	263.36	6,989.27	1,893.98	1,727.91	166.06	11.405	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,400.00	8,418.00	17,090.52	10,175.00	148.28	146.87	157.984	263.66	7,089.27	1,893.98	1,725.83	168.14	11.264	
15,400.00	8,418.00	17,090.52	10,175.00	148.28	146.87	157.984	263.66	7,089.27	1,893.98	1,725.83	168.14	11.264	
15,500.00	8,418.00	17,190.52	10,175.00	150.32	148.92	157.984	263.95	7,189.27	1,893.98	1,723.75	170.22	11.127	
15,500.00	8,418.00	17,190.52	10,175.00	150.32	148.92	157.984	263.95	7,189.27	1,893.98	1,723.75	170.22	11.127	
15,600.00	8,418.00	17,290.52	10,175.00	152.35	150.98	157.984	264.24	7,289.27	1,893.98	1,721.67	172.30	10.992	
15,600.00	8,418.00	17,290.52	10,175.00	152.35	150.98	157.984	264.24	7,289.27	1,893.98	1,721.67	172.30	10.992	
15,700.00	8,418.00	17,390.52	10,175.00	154.39	153.03	157.984	264.53	7,389.27	1,893.98	1,719.59	174.39	10.861	
15,700.00	8,418.00	17,390.52	10,175.00	154.39	153.03	157.984	264.53	7,389.27	1,893.98	1,719.59	174.39	10.861	
15,800.00	8,418.00	17,490.52	10,175.00	156.42	155.08	157.984	264.83	7,489.27	1,893.98	1,717.50	176.47	10.733	
15,800.00	8,418.00	17,490.52	10,175.00	156.42	155.08	157.984	264.83	7,489.27	1,893.98	1,717.50	176.47	10.733	
15,900.00	8,418.00	17,590.52	10,175.00	158.46	157.13	157.984	265.12	7,589.27	1,893.98	1,715.42	178.56	10.607	
15,900.00	8,418.00	17,590.52	10,175.00	158.46	157.13	157.984	265.12	7,589.27	1,893.98	1,715.42	178.56	10.607	
16,000.00	8,418.00	17,690.52	10,175.00	160.50	159.18	157.984	265.41	7,689.27	1,893.98	1,713.33	180.64	10.485	
16,000.00	8,418.00	17,690.52	10,175.00	160.50	159.18	157.984	265.41	7,689.27	1,893.98	1,713.33	180.64	10.485	
16,100.00	8,418.00	17,790.52	10,175.00	162.54	161.24	157.984	265.70	7,789.27	1,893.98	1,711.25	182.73	10.365	
16,100.00	8,418.00	17,790.52	10,175.00	162.54	161.24	157.984	265.70	7,789.27	1,893.98	1,711.25	182.73	10.365	
16,200.00	8,418.00	17,890.52	10,175.00	164.58	163.29	157.984	266.00	7,889.27	1,893.98	1,709.16	184.82	10.248	
16,200.00	8,418.00	17,890.52	10,175.00	164.58	163.29	157.984	266.00	7,889.27	1,893.98	1,709.16	184.82	10.248	
16,300.00	8,418.00	17,990.52	10,175.00	166.62	165.34	157.984	266.29	7,989.27	1,893.98	1,707.07	186.91	10.133	
16,300.00	8,418.00	17,990.52	10,175.00	166.62	165.34	157.984	266.29	7,989.27	1,893.98	1,707.07	186.91	10.133	
16,400.00	8,418.00	18,090.52	10,175.00	168.66	167.40	157.984	266.58	8,089.27	1,893.98	1,704.98	189.00	10.021	
16,400.00	8,418.00	18,090.52	10,175.00	168.66	167.40	157.984	266.58	8,089.27	1,893.98	1,704.98	189.00	10.021	
16,500.00	8,418.00	18,190.52	10,175.00	170.70	169.45	157.984	266.87	8,189.27	1,893.98	1,702.88	191.09	9.911	
16,500.00	8,418.00	18,190.52	10,175.00	170.70	169.45	157.984	266.87	8,189.27	1,893.98	1,702.88	191.09	9.911	
16,600.00	8,418.00	18,290.52	10,175.00	172.75	171.51	157.984	267.17	8,289.26	1,893.98	1,700.79	193.18	9.804	
16,600.00	8,418.00	18,290.52	10,175.00	172.75	171.51	157.984	267.17	8,289.26	1,893.98	1,700.79	193.18	9.804	
16,700.00	8,418.00	18,390.52	10,175.00	174.79	173.56	157.984	267.46	8,389.26	1,893.98	1,698.70	195.28	9.699	
16,700.00	8,418.00	18,390.52	10,175.00	174.79	173.56	157.984	267.46	8,389.27	1,893.98	1,698.70	195.28	9.699	
16,800.00	8,418.00	18,490.52	10,175.00	176.83	175.62	157.984	267.75	8,489.26	1,893.98	1,696.60	197.37	9.596	
16,800.00	8,418.00	18,490.52	10,175.00	176.83	175.62	157.984	267.75	8,489.27	1,893.98	1,696.60	197.37	9.596	
16,900.00	8,418.00	18,590.52	10,175.00	178.88	177.67	157.984	268.04	8,589.26	1,893.98	1,694.51	199.47	9.495	
16,900.00	8,418.00	18,590.52	10,175.00	178.88	177.67	157.984	268.04	8,589.27	1,893.98	1,694.51	199.47	9.495	
17,000.00	8,418.00	18,690.52	10,175.00	180.92	179.73	157.984	268.34	8,689.26	1,893.98	1,692.41	201.56	9.396	
17,000.00	8,418.00	18,690.52	10,175.00	180.92	179.73	157.984	268.34	8,689.27	1,893.98	1,692.41	201.56	9.396	
17,100.00	8,418.00	18,790.52	10,175.00	182.97	181.79	157.984	268.63	8,789.26	1,893.98	1,690.31	203.66	9.300	
17,100.00	8,418.00	18,790.52	10,175.00	182.97	181.79	157.984	268.63	8,789.27	1,893.98	1,690.31	203.66	9.300	
17,200.00	8,418.00	18,890.52	10,175.00	185.02	183.84	157.984	268.92	8,889.26	1,893.98	1,688.22	205.76	9.205	
17,200.00	8,418.00	18,890.52	10,175.00	185.02	183.84	157.984	268.92	8,889.26	1,893.98	1,688.22	205.76	9.205	
17,300.00	8,418.00	18,990.52	10,175.00	187.06	185.90	157.984	269.21	8,989.26	1,893.98	1,686.12	207.86	9.112	
17,300.00	8,418.00	18,990.52	10,175.00	187.06	185.90	157.984	269.21	8,989.26	1,893.98	1,686.12	207.86	9.112	
17,400.00	8,418.00	19,090.52	10,175.00	189.11	187.96	157.984	269.51	9,089.26	1,893.98	1,684.02	209.96	9.021	
17,400.00	8,418.00	19,090.52	10,175.00	189.11	187.96	157.984	269.51	9,089.26	1,893.98	1,684.02	209.96	9.021	
17,500.00	8,418.00	19,190.52	10,175.00	191.16	190.02	157.984	269.80	9,189.26	1,893.98	1,681.92	212.06	8.931	
17,500.00	8,418.00	19,190.52	10,175.00	191.16	190.02	157.984	269.80	9,189.26	1,893.98	1,681.92	212.06	8.931	
17,600.00	8,418.00	19,290.52	10,175.00	193.21	192.07	157.984	270.09	9,289.26	1,893.98	1,679.82	214.16	8.844	
17,600.00	8,418.00	19,290.52	10,175.00	193.21	192.07	157.984	270.09	9,289.26	1,893.98	1,679.82	214.16	8.844	
17,700.00	8,418.00	19,390.52	10,175.00	195.26	194.13	157.984	270.38	9,389.26	1,893.98	1,677.72	216.26	8.758	
17,700.00	8,418.00	19,390.52	10,175.00	195.26	194.13	157.984	270.38	9,389.26	1,893.98	1,677.72	216.26	8.758	
17,800.00	8,418.00	19,490.52	10,175.00	197.31	196.19	157.984	270.68	9,489.26	1,893.98	1,675.61	218.36	8.674	
17,800.00	8,418.00	19,490.52	10,175.00	197.31	196.19	157.984	270.68	9,489.26	1,893.98	1,675.61	218.36	8.674	
17,900.00	8,418.00	19,590.52	10,175.00	199.36	198.25	157.984	270.97	9,589.26	1,893.98	1,673.51	220.46	8.591	
17,900.00	8,418.00	19,590.52	10,175.00	199.36	198.25	157.984	270.97	9,589.26	1,893.98	1,673.51	220.46	8.591	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
18,000.00	8,418.00	19,690.52	10,175.00	201.41	200.31	157.984	271.26	9,689.26	1,893.98	1,671.41	222.57	8.510	
18,000.00	8,418.00	19,690.52	10,175.00	201.41	200.31	157.984	271.26	9,689.26	1,893.98	1,671.41	222.57	8.510	
18,100.00	8,418.00	19,790.52	10,175.00	203.46	202.37	157.984	271.55	9,789.26	1,893.98	1,669.30	224.67	8.430	
18,100.00	8,418.00	19,790.52	10,175.00	203.46	202.37	157.984	271.55	9,789.26	1,893.98	1,669.30	224.67	8.430	
18,200.00	8,418.00	19,890.52	10,175.00	205.51	204.43	157.984	271.85	9,889.26	1,893.98	1,667.20	226.78	8.352	
18,200.00	8,418.00	19,890.52	10,175.00	205.51	204.43	157.984	271.85	9,889.26	1,893.98	1,667.20	226.78	8.352	
18,300.00	8,418.00	19,990.52	10,175.00	207.56	206.49	157.984	272.14	9,989.26	1,893.98	1,665.10	228.88	8.275	
18,300.00	8,418.00	19,990.52	10,175.00	207.56	206.49	157.984	272.14	9,989.26	1,893.98	1,665.10	228.88	8.275	
18,400.00	8,418.00	20,090.52	10,175.00	209.61	208.55	157.984	272.43	10,089.26	1,893.98	1,662.99	230.99	8.200	
18,400.00	8,418.00	20,090.52	10,175.00	209.61	208.55	157.984	272.43	10,089.26	1,893.98	1,662.99	230.99	8.200	
18,500.00	8,418.00	20,190.52	10,175.00	211.66	210.61	157.984	272.72	10,189.26	1,893.98	1,660.88	233.09	8.125	
18,500.00	8,418.00	20,190.52	10,175.00	211.66	210.61	157.984	272.72	10,189.26	1,893.98	1,660.88	233.09	8.125	
18,600.00	8,418.00	20,290.52	10,175.00	213.71	212.67	157.984	273.02	10,289.26	1,893.98	1,658.78	235.20	8.053	
18,600.00	8,418.00	20,290.52	10,175.00	213.71	212.67	157.984	273.02	10,289.26	1,893.98	1,658.78	235.20	8.053	
18,700.00	8,418.00	20,390.52	10,175.00	215.77	214.73	157.984	273.31	10,389.26	1,893.98	1,656.67	237.31	7.981	
18,700.00	8,418.00	20,390.52	10,175.00	215.77	214.73	157.984	273.31	10,389.26	1,893.98	1,656.67	237.31	7.981	
18,800.00	8,418.00	20,490.52	10,175.00	217.82	216.79	157.984	273.60	10,489.26	1,893.98	1,654.56	239.41	7.911	
18,800.00	8,418.00	20,490.52	10,175.00	217.82	216.79	157.984	273.60	10,489.26	1,893.98	1,654.56	239.41	7.911	
18,900.00	8,418.00	20,590.52	10,175.00	219.87	218.85	157.984	273.89	10,589.25	1,893.98	1,652.45	241.52	7.842	
18,900.00	8,418.00	20,590.52	10,175.00	219.87	218.85	157.984	273.89	10,589.25	1,893.98	1,652.45	241.52	7.842	
19,000.00	8,418.00	20,690.52	10,175.00	221.93	220.91	157.984	274.19	10,689.25	1,893.98	1,650.35	243.63	7.774	
19,000.00	8,418.00	20,690.52	10,175.00	221.93	220.91	157.984	274.19	10,689.25	1,893.98	1,650.35	243.63	7.774	
19,100.00	8,418.00	20,790.52	10,175.00	223.98	222.97	157.984	274.48	10,789.25	1,893.98	1,648.24	245.74	7.707	
19,100.00	8,418.00	20,790.52	10,175.00	223.98	222.97	157.984	274.48	10,789.25	1,893.98	1,648.24	245.74	7.707	
19,200.00	8,418.00	20,890.52	10,175.00	226.03	225.03	157.984	274.77	10,889.25	1,893.98	1,646.13	247.85	7.642	
19,200.00	8,418.00	20,890.52	10,175.00	226.03	225.03	157.984	274.77	10,889.25	1,893.98	1,646.13	247.85	7.642	
19,300.00	8,418.00	20,990.52	10,175.00	228.09	227.10	157.984	275.06	10,989.25	1,893.98	1,644.02	249.96	7.577	
19,300.00	8,418.00	20,990.52	10,175.00	228.09	227.10	157.984	275.06	10,989.25	1,893.98	1,644.02	249.96	7.577	
19,400.00	8,418.00	21,090.52	10,175.00	230.14	229.16	157.984	275.36	11,089.25	1,893.98	1,641.91	252.07	7.514	
19,400.00	8,418.00	21,090.52	10,175.00	230.14	229.16	157.984	275.36	11,089.25	1,893.98	1,641.91	252.07	7.514	
19,500.00	8,418.00	21,190.52	10,175.00	232.20	231.22	157.984	275.65	11,189.25	1,893.98	1,639.80	254.18	7.451	
19,500.00	8,418.00	21,190.52	10,175.00	232.20	231.22	157.984	275.65	11,189.25	1,893.98	1,639.80	254.18	7.451	
19,600.00	8,418.00	21,290.52	10,175.00	234.25	233.28	157.984	275.94	11,289.25	1,893.98	1,637.68	256.29	7.390	
19,600.00	8,418.00	21,290.52	10,175.00	234.25	233.28	157.984	275.94	11,289.25	1,893.98	1,637.68	256.29	7.390	
19,700.00	8,418.00	21,390.52	10,175.00	236.31	235.34	157.984	276.23	11,389.25	1,893.98	1,635.57	258.40	7.330	
19,700.00	8,418.00	21,390.52	10,175.00	236.31	235.34	157.984	276.23	11,389.25	1,893.98	1,635.57	258.40	7.330	
19,800.00	8,418.00	21,490.52	10,175.00	238.37	237.41	157.984	276.53	11,489.25	1,893.98	1,633.46	260.51	7.270	
19,800.00	8,418.00	21,490.52	10,175.00	238.37	237.41	157.984	276.53	11,489.25	1,893.98	1,633.46	260.51	7.270	
19,900.00	8,418.00	21,590.52	10,175.00	240.42	239.47	157.984	276.82	11,589.25	1,893.98	1,631.35	262.63	7.212	
19,900.00	8,418.00	21,590.52	10,175.00	240.42	239.47	157.984	276.82	11,589.25	1,893.98	1,631.35	262.63	7.212	
20,000.00	8,418.00	21,690.52	10,175.00	242.48	241.53	157.984	277.11	11,689.25	1,893.98	1,629.24	264.74	7.154	
20,000.00	8,418.00	21,690.52	10,175.00	242.48	241.53	157.984	277.11	11,689.25	1,893.98	1,629.24	264.74	7.154	
20,100.00	8,418.00	21,790.52	10,175.00	244.53	243.59	157.984	277.40	11,789.25	1,893.98	1,627.12	266.85	7.097	
20,100.00	8,418.00	21,790.52	10,175.00	244.53	243.59	157.984	277.40	11,789.25	1,893.98	1,627.12	266.85	7.097	
20,200.00	8,418.00	21,890.52	10,175.00	246.59	245.66	157.984	277.70	11,889.25	1,893.98	1,625.01	268.97	7.042	
20,200.00	8,418.00	21,890.52	10,175.00	246.59	245.66	157.984	277.70	11,889.25	1,893.98	1,625.01	268.97	7.042	
20,300.00	8,418.00	21,990.52	10,175.00	248.65	247.72	157.984	277.99	11,989.25	1,893.98	1,622.90	271.08	6.987	
20,300.00	8,418.00	21,990.52	10,175.00	248.65	247.72	157.984	277.99	11,989.25	1,893.98	1,622.90	271.08	6.987	
20,400.00	8,418.00	22,090.52	10,175.00	250.70	249.78	157.984	278.28	12,089.25	1,893.98	1,620.78	273.19	6.933	
20,400.00	8,418.00	22,090.52	10,175.00	250.70	249.78	157.984	278.28	12,089.25	1,893.98	1,620.78	273.19	6.933	
20,500.00	8,418.00	22,190.52	10,175.00	252.76	251.84	157.984	278.57	12,189.25	1,893.98	1,618.67	275.31	6.879	
20,500.00	8,418.00	22,190.52	10,175.00	252.76	251.84	157.984	278.57	12,189.25	1,893.98	1,618.67	275.31	6.879	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (02) Bond 32-34 FED COM 301H - 301H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,600.00	8,418.00	22,290.52	10,175.00	254.82	253.91	157.984	278.87	12,289.25	1,893.98	1,616.55	277.42	6.827	
20,600.00	8,418.00	22,290.52	10,175.00	254.82	253.91	157.984	278.87	12,289.25	1,893.98	1,616.55	277.42	6.827	
20,700.00	8,418.00	22,390.52	10,175.00	256.88	255.97	157.984	279.16	12,389.25	1,893.98	1,614.44	279.54	6.775	
20,700.00	8,418.00	22,390.52	10,175.00	256.88	255.97	157.984	279.16	12,389.25	1,893.98	1,614.44	279.54	6.775	
20,800.00	8,418.00	22,490.52	10,175.00	258.94	258.03	157.984	279.45	12,489.25	1,893.98	1,612.32	281.65	6.724	
20,800.00	8,418.00	22,490.52	10,175.00	258.94	258.03	157.984	279.45	12,489.25	1,893.98	1,612.32	281.65	6.724	
20,900.00	8,418.00	22,590.52	10,175.00	260.99	260.10	157.984	279.74	12,589.25	1,893.98	1,610.21	283.77	6.674	
20,900.00	8,418.00	22,590.52	10,175.00	260.99	260.10	157.984	279.74	12,589.25	1,893.98	1,610.21	283.77	6.674	
21,000.00	8,418.00	22,690.52	10,175.00	263.05	262.16	157.984	280.04	12,689.25	1,893.98	1,608.09	285.88	6.625	
21,000.00	8,418.00	22,690.52	10,175.00	263.05	262.16	157.984	280.04	12,689.25	1,893.98	1,608.09	285.88	6.625	
21,100.00	8,418.00	22,790.52	10,175.00	265.11	264.22	157.984	280.33	12,789.25	1,893.98	1,605.98	288.00	6.576	
21,100.00	8,418.00	22,790.52	10,175.00	265.11	264.22	157.984	280.33	12,789.25	1,893.98	1,605.98	288.00	6.576	
21,200.00	8,418.00	22,890.52	10,175.00	267.17	266.29	157.984	280.62	12,889.25	1,893.98	1,603.86	290.12	6.528	
21,200.00	8,418.00	22,890.52	10,175.00	267.17	266.29	157.984	280.62	12,889.25	1,893.98	1,603.86	290.12	6.528	
21,300.00	8,418.00	22,990.52	10,175.00	269.23	268.35	157.984	280.91	12,989.24	1,893.98	1,601.74	292.23	6.481	
21,300.00	8,418.00	22,990.52	10,175.00	269.23	268.35	157.984	280.91	12,989.25	1,893.98	1,601.74	292.23	6.481	
21,400.00	8,418.00	23,090.52	10,175.00	271.29	270.42	157.984	281.21	13,089.24	1,893.98	1,599.63	294.35	6.434	
21,400.00	8,418.00	23,090.52	10,175.00	271.29	270.42	157.984	281.21	13,089.25	1,893.98	1,599.63	294.35	6.434	
21,500.00	8,418.00	23,190.52	10,175.00	273.35	272.48	157.984	281.50	13,189.24	1,893.98	1,597.51	296.47	6.388	
21,500.00	8,418.00	23,190.52	10,175.00	273.35	272.48	157.984	281.50	13,189.25	1,893.98	1,597.51	296.47	6.388	
21,600.00	8,418.00	23,290.52	10,175.00	275.41	274.54	157.984	281.79	13,289.24	1,893.98	1,595.39	298.59	6.343	
21,600.00	8,418.00	23,290.52	10,175.00	275.41	274.54	157.984	281.79	13,289.25	1,893.98	1,595.39	298.59	6.343	
21,700.00	8,418.00	23,390.52	10,175.00	277.47	276.61	157.984	282.08	13,389.24	1,893.98	1,593.27	300.70	6.298	
21,700.00	8,418.00	23,390.52	10,175.00	277.47	276.61	157.984	282.08	13,389.25	1,893.98	1,593.27	300.70	6.298	
21,800.00	8,418.00	23,490.52	10,175.00	279.52	278.67	157.984	282.38	13,489.24	1,893.98	1,591.15	302.82	6.254	
21,800.03	8,418.00	23,490.55	10,175.00	279.53	278.67	157.984	282.38	13,489.27	1,893.98	1,591.15	302.82	6.254	
21,880.45	8,418.00	23,570.96	10,175.00	281.18	280.33	157.984	282.61	13,569.69	1,893.98	1,589.45	304.52	6.219 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 (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.73	2.73	0.00	0.02	118.621	-112.14	205.50	234.11				
100.00	100.00	102.73	102.73	0.79	0.80	118.621	-112.14	205.50	234.11	232.52	1.59	147.299	
200.00	200.00	202.73	202.73	1.45	1.46	118.621	-112.14	205.50	234.11	231.20	2.90	80.605	
300.00	300.00	302.73	302.73	1.89	1.90	118.621	-112.14	205.50	234.11	230.31	3.79	61.716	
400.00	400.00	402.73	402.73	2.25	2.26	118.621	-112.14	205.50	234.11	229.59	4.52	51.840	
500.00	500.00	502.73	502.73	2.57	2.58	118.621	-112.14	205.50	234.11	228.96	5.14	45.519	
600.00	600.00	602.73	602.73	2.85	2.86	118.621	-112.14	205.50	234.11	228.40	5.71	41.026	
700.00	700.00	702.73	702.73	3.11	3.11	118.621	-112.14	205.50	234.11	227.88	6.22	37.620	
800.00	800.00	802.73	802.73	3.35	3.35	118.621	-112.14	205.50	234.11	227.40	6.70	34.921	
900.00	900.00	902.73	902.73	3.58	3.58	118.621	-112.14	205.50	234.11	226.95	7.16	32.714	
1,000.00	1,000.00	1,002.73	1,002.73	3.79	3.80	118.621	-112.14	205.50	234.11	226.52	7.59	30.864	
1,100.00	1,100.00	1,102.73	1,102.73	3.99	4.00	118.621	-112.14	205.50	234.11	226.11	7.99	29.284	
1,200.00	1,200.00	1,202.73	1,202.73	4.19	4.20	118.621	-112.14	205.50	234.11	225.72	8.39	27.914	
1,300.00	1,300.00	1,302.73	1,302.73	4.38	4.38	118.621	-112.14	205.50	234.11	225.34	8.76	26.710	
1,400.00	1,400.00	1,402.73	1,402.73	4.56	4.57	118.621	-112.14	205.50	234.11	224.98	9.13	25.641	
1,500.00	1,500.00	1,502.73	1,502.73	4.74	4.74	118.621	-112.14	205.50	234.11	224.62	9.48	24.684	
1,600.00	1,600.00	1,602.73	1,602.73	4.91	4.92	118.621	-112.14	205.50	234.11	224.28	9.83	23.821	
1,700.00	1,700.00	1,702.73	1,702.73	5.08	5.08	118.621	-112.14	205.50	234.11	223.94	10.16	23.036	
1,800.00	1,800.00	1,802.73	1,802.73	5.24	5.25	118.621	-112.14	205.50	234.11	223.62	10.49	22.318	
1,900.00	1,900.00	1,902.73	1,902.73	5.40	5.41	118.621	-112.14	205.50	234.11	223.30	10.81	21.659	
2,000.00	2,000.00	2,002.88	2,002.88	5.56	5.57	118.621	-112.14	205.50	234.11	222.98	11.12	21.048	
2,100.00	2,099.98	2,108.36	2,108.33	5.80	5.82	121.801	-110.13	205.11	233.79	222.29	11.50	20.336	
2,200.00	2,199.84	2,213.82	2,213.62	6.05	6.09	121.843	-104.31	204.00	232.98	221.11	11.87	19.635	
2,300.00	2,299.45	2,319.25	2,318.59	6.31	6.37	121.927	-94.69	202.15	231.66	219.43	12.24	18.933	
2,400.00	2,398.70	2,424.64	2,423.09	6.59	6.67	122.053	-81.29	199.59	229.85	217.24	12.62	18.220	
2,500.00	2,497.47	2,529.99	2,526.97	6.89	6.99	122.222	-64.13	196.30	227.55	214.54	13.01	17.495	
2,600.00	2,595.73	2,635.26	2,630.07	7.09	7.33	122.292	-43.25	192.29	224.47	211.15	13.33	16.844	
2,700.00	2,693.92	2,740.28	2,732.07	7.36	7.69	121.651	-18.73	187.59	219.25	205.54	13.71	15.991	
2,800.00	2,792.11	2,844.76	2,832.57	7.65	8.03	120.170	9.30	182.22	211.81	197.76	14.05	15.077	
2,900.00	2,890.31	2,944.80	2,928.15	7.95	8.33	118.119	38.32	176.66	203.14	188.78	14.37	14.141	
3,000.00	2,988.50	3,044.14	3,023.05	8.27	8.66	115.894	67.17	171.13	194.74	180.03	14.71	13.241	
3,100.00	3,086.70	3,143.49	3,117.95	8.61	9.01	113.474	96.02	165.60	186.65	171.62	15.03	12.418	
3,200.00	3,184.89	3,242.84	3,212.86	8.95	9.38	110.841	124.88	160.06	178.92	163.59	15.33	11.669	
3,300.00	3,283.09	3,342.18	3,307.76	9.31	9.76	107.980	153.73	154.53	171.61	156.00	15.61	10.992	
3,400.00	3,381.28	3,441.53	3,402.66	9.67	10.15	104.874	182.59	149.00	164.77	148.90	15.87	10.384	
3,500.00	3,479.47	3,540.88	3,497.56	10.04	10.55	101.512	211.44	143.47	158.45	142.34	16.11	9.838	
3,600.00	3,577.67	3,640.22	3,592.47	10.42	10.95	97.888	240.29	137.94	152.72	136.38	16.34	9.347	
3,700.00	3,675.86	3,739.57	3,687.37	10.81	11.37	94.001	269.15	132.41	147.65	131.07	16.58	8.904	
3,800.00	3,774.06	3,838.92	3,782.27	11.20	11.80	89.861	298.00	126.88	143.32	126.45	16.87	8.497	
3,900.00	3,872.25	3,938.26	3,877.18	11.60	12.23	85.491	326.86	121.35	139.78	122.56	17.22	8.117	
4,000.00	3,970.45	4,037.61	3,972.08	12.01	12.66	80.924	355.71	115.81	137.11	119.43	17.68	7.755	
4,100.00	4,068.64	4,136.96	4,066.98	12.41	13.10	76.210	384.57	110.28	135.35	117.07	18.28	7.404	
4,200.00	4,166.84	4,236.30	4,161.89	12.83	13.55	71.407	413.42	104.75	134.54	115.49	19.05	7.064	
4,234.14	4,200.35	4,270.22	4,194.28	12.97	13.70	69.758	423.27	102.86	134.48	115.14	19.35	6.952 CC	
4,300.00	4,265.03	4,335.65	4,256.79	13.24	14.00	66.580	442.27	99.22	134.69	114.71	19.98	6.742 ES	
4,400.00	4,363.22	4,435.00	4,351.69	13.66	14.45	61.798	471.13	93.69	135.81	114.73	21.08	6.444	
4,500.00	4,461.42	4,534.34	4,446.60	14.08	14.91	57.125	499.98	88.16	137.86	115.55	22.31	6.180	
4,600.00	4,559.61	4,633.69	4,541.50	14.50	15.37	52.616	528.84	82.63	140.82	117.17	23.65	5.955	
4,700.00	4,657.81	4,733.04	4,636.40	14.93	15.84	48.316	557.69	77.10	144.61	119.55	25.06	5.771	
4,800.00	4,756.00	4,832.38	4,731.31	15.36	16.30	44.254	586.54	71.56	149.18	122.68	26.50	5.629	
4,900.00	4,854.20	4,931.73	4,826.21	15.79	16.77	40.450	615.40	66.03	154.47	126.51	27.96	5.524	
5,000.00	4,952.39	5,031.08	4,921.11	16.22	17.24	36.909	644.25	60.50	160.39	130.98	29.41	5.454	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.00	5,050.58	5,130.42	5,016.01	16.66	17.72	33.630	673.11	54.97	166.88	136.05	30.83	5.412	
5,200.00	5,148.78	5,229.77	5,110.92	17.10	18.19	30.603	701.96	49.44	173.88	141.65	32.23	5.395	
5,300.00	5,246.97	5,329.12	5,205.82	17.53	18.67	27.816	730.82	43.91	181.33	147.74	33.59	5.399	
5,400.00	5,345.17	5,428.46	5,300.72	17.97	19.15	25.252	759.67	38.38	189.18	154.27	34.91	5.419	
5,500.00	5,443.36	5,527.81	5,395.63	18.41	19.63	22.896	788.52	32.85	197.37	161.17	36.20	5.452	
5,600.00	5,541.56	5,627.16	5,490.53	18.86	20.11	20.730	817.38	27.31	205.87	168.42	37.46	5.496	
5,700.00	5,639.75	5,726.50	5,585.43	19.30	20.59	18.737	846.23	21.78	214.64	175.96	38.68	5.549	
5,800.00	5,737.94	5,825.85	5,680.34	19.74	21.08	16.902	875.09	16.25	223.65	183.78	39.88	5.609	
5,900.00	5,836.14	5,925.20	5,775.24	20.19	21.56	15.210	903.94	10.72	232.87	191.82	41.05	5.673	
6,000.00	5,934.33	6,024.54	5,870.14	20.63	22.05	13.648	932.80	5.19	242.28	200.08	42.19	5.742	
6,100.00	6,032.53	6,123.89	5,965.05	21.08	22.54	12.203	961.65	-0.34	251.85	208.53	43.32	5.814	
6,200.00	6,130.72	6,223.24	6,059.95	21.53	23.02	10.864	990.50	-5.87	261.57	217.14	44.43	5.887	
6,300.00	6,228.92	6,322.58	6,154.85	21.98	23.51	9.621	1,019.36	-11.40	271.42	225.90	45.52	5.962	
6,400.00	6,327.11	6,421.93	6,249.76	22.43	24.01	8.466	1,048.21	-16.94	281.39	234.79	46.60	6.038	
6,500.00	6,425.31	6,521.28	6,344.66	22.88	24.50	7.390	1,077.07	-22.47	291.47	243.80	47.67	6.115	
6,600.00	6,523.50	6,620.62	6,439.56	23.33	24.98	6.386	1,105.92	-28.00	301.64	252.92	48.72	6.192	
6,700.00	6,621.69	6,730.09	6,544.59	23.78	25.52	5.420	1,136.21	-33.80	310.50	260.63	49.87	6.226	
6,800.00	6,719.89	6,841.82	6,652.90	24.23	26.08	4.654	1,163.07	-38.95	315.68	264.70	50.98	6.192	
6,900.00	6,818.08	6,953.88	6,762.54	24.68	26.61	4.071	1,185.83	-43.32	317.09	265.09	52.00	6.098	
7,000.00	6,916.28	7,065.95	6,873.00	25.14	27.13	3.646	1,204.36	-46.87	314.68	261.77	52.90	5.948	
7,100.00	7,014.58	7,177.72	6,983.83	25.57	27.62	3.356	1,218.60	-49.60	309.02	255.34	53.69	5.756	
7,200.00	7,113.41	7,289.21	7,094.84	26.02	28.07	3.169	1,228.57	-51.51	302.72	248.35	54.37	5.568	
7,300.00	7,212.71	7,400.41	7,205.88	26.45	28.47	3.090	1,234.27	-52.60	296.08	241.19	54.89	5.394	
7,400.00	7,312.36	7,509.63	7,315.09	26.85	28.63	3.122	1,235.79	-52.89	289.17	234.02	55.15	5.244	
7,500.00	7,412.24	7,609.51	7,414.97	27.20	28.70	3.170	1,235.79	-52.89	284.37	228.80	55.57	5.118	
7,600.00	7,512.22	7,709.50	7,514.95	27.34	28.74	0.005	1,235.79	-52.89	283.03	227.28	55.75	5.077	
7,700.00	7,612.22	7,809.50	7,614.95	27.40	28.79	0.005	1,235.79	-52.89	283.03	227.18	55.85	5.068	
7,800.00	7,712.22	7,909.50	7,714.95	27.44	28.83	0.005	1,235.79	-52.89	283.03	227.09	55.94	5.060	
7,900.00	7,812.22	8,009.50	7,814.95	27.49	28.87	0.005	1,235.79	-52.89	283.03	227.00	56.03	5.052	
7,938.08	7,850.29	8,047.57	7,853.02	27.49	28.89	-90.000	1,235.79	-52.89	283.02	226.96	56.06	5.049	
8,000.00	7,912.07	8,109.34	7,914.80	27.49	28.91	-90.620	1,235.79	-52.89	283.04	226.90	56.14	5.042	
8,100.00	8,009.86	8,207.14	8,012.59	27.50	28.96	-94.521	1,235.79	-52.89	283.99	227.65	56.33	5.041	
8,200.00	8,102.64	8,299.92	8,105.37	27.52	29.00	-100.779	1,235.79	-52.89	289.38	233.30	56.08	5.160	
8,300.00	8,187.60	8,384.88	8,190.33	27.58	29.03	-107.722	1,235.79	-52.89	304.69	249.97	54.72	5.568	
8,400.00	8,262.15	8,459.42	8,264.88	27.68	29.06	-113.476	1,235.79	-52.89	335.04	282.98	52.06	6.436	
8,500.00	8,324.02	8,521.30	8,326.75	27.87	29.09	-116.549	1,235.79	-52.89	382.76	334.07	48.70	7.860	
8,600.00	8,371.34	8,568.62	8,374.07	28.17	29.11	-115.767	1,235.79	-52.89	446.73	401.24	45.49	9.820	
8,700.00	8,402.67	8,599.95	8,405.40	28.61	29.12	-109.675	1,235.79	-52.89	523.57	480.64	42.93	12.197	
8,800.00	8,417.06	8,614.33	8,419.79	29.17	29.13	-96.226	1,235.79	-52.89	609.06	568.00	41.06	14.832	
8,900.00	8,418.00	8,615.27	8,420.73	29.87	29.13	-90.000	1,235.79	-52.89	699.14	659.37	39.77	17.582	
9,000.00	8,418.00	8,615.27	8,420.73	30.69	29.13	-90.000	1,235.79	-52.89	791.61	752.77	38.84	20.379	
9,100.00	8,418.00	8,615.27	8,420.73	31.63	29.13	-90.000	1,235.79	-52.89	885.72	847.55	38.17	23.202	
9,200.00	8,418.00	8,615.27	8,420.73	32.68	29.13	-90.000	1,235.79	-52.89	981.00	943.33	37.68	26.037	
9,300.00	8,418.00	10,349.48	9,360.00	33.82	35.19	-160.642	1,285.81	986.25	995.56	959.40	36.16	27.534	
9,321.13	8,418.00	10,370.61	9,360.00	34.08	35.43	-160.642	1,285.87	1,007.39	995.56	959.21	36.35	27.391	
9,400.00	8,418.00	10,449.48	9,360.00	35.04	36.37	-160.642	1,286.10	1,086.25	995.56	958.49	37.07	26.856	
9,421.13	8,418.00	10,470.61	9,360.00	35.32	36.62	-160.642	1,286.16	1,107.39	995.56	958.28	37.28	26.707	
9,500.00	8,418.00	10,549.48	9,360.00	36.35	37.62	-160.642	1,286.39	1,186.25	995.56	957.49	38.07	26.152	
9,521.13	8,418.00	10,570.61	9,360.00	36.64	37.89	-160.642	1,286.45	1,207.39	995.56	957.26	38.29	25.999	
9,600.00	8,418.00	10,649.48	9,360.00	37.72	38.93	-160.642	1,286.69	1,286.25	995.56	956.41	39.14	25.433	
9,621.13	8,418.00	10,670.61	9,360.00	38.02	39.22	-160.642	1,286.75	1,307.38	995.56	956.17	39.38	25.279	
9,700.00	8,418.00	10,749.48	9,360.00	39.15	40.32	-160.642	1,286.98	1,386.25	995.56	955.26	40.29	24.708	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1		Offset		Semi Major Axis		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	
9,721.13	8,418.00	10,770.61	9,360.00	39.47	40.62	-160.642	1,287.04	1,407.38	995.56	955.01	40.55	24.554		
9,800.00	8,418.00	10,849.48	9,360.00	40.64	41.76	-160.642	1,287.27	1,486.25	995.56	954.05	41.51	23.985		
9,821.13	8,418.00	10,870.61	9,360.00	40.97	42.07	-160.642	1,287.33	1,507.38	995.56	953.78	41.77	23.832		
9,900.00	8,418.00	10,949.48	9,360.00	42.18	43.25	-160.642	1,287.56	1,586.25	995.56	952.77	42.78	23.271		
9,921.13	8,418.00	10,970.61	9,360.00	42.52	43.57	-160.642	1,287.62	1,607.38	995.56	952.50	43.06	23.120		
10,000.00	8,418.00	11,049.48	9,360.00	43.76	44.78	-160.642	1,287.86	1,686.25	995.55	951.44	44.11	22.569		
10,021.13	8,418.00	11,070.61	9,360.00	44.11	45.11	-160.642	1,287.92	1,707.38	995.55	951.15	44.40	22.422		
10,100.00	8,418.00	11,149.48	9,360.00	45.39	46.36	-160.642	1,288.15	1,786.25	995.55	950.06	45.49	21.885		
10,121.13	8,418.00	11,170.61	9,360.00	45.74	46.70	-160.642	1,288.21	1,807.38	995.55	949.76	45.79	21.742		
10,200.00	8,418.00	11,249.48	9,360.00	47.04	47.98	-160.642	1,288.44	1,886.25	995.55	948.64	46.92	21.219		
10,221.13	8,418.00	11,270.61	9,360.00	47.40	48.32	-160.642	1,288.50	1,907.38	995.55	948.33	47.23	21.081		
10,300.00	8,418.00	11,349.48	9,360.00	48.73	49.63	-160.642	1,288.73	1,986.25	995.55	947.17	48.38	20.576		
10,321.13	8,418.00	11,370.61	9,360.00	49.09	49.98	-160.642	1,288.79	2,007.38	995.55	946.85	48.70	20.442		
10,400.00	8,418.00	11,449.48	9,360.00	50.45	51.31	-160.642	1,289.03	2,086.25	995.55	945.66	49.89	19.955		
10,421.13	8,418.00	11,470.61	9,360.00	50.82	51.66	-160.642	1,289.09	2,107.38	995.55	945.34	50.21	19.826		
10,500.00	8,418.00	11,549.48	9,360.00	52.19	53.01	-160.642	1,289.32	2,186.25	995.55	944.12	51.43	19.357		
10,521.13	8,418.00	11,570.61	9,360.00	52.57	53.38	-160.642	1,289.38	2,207.38	995.55	943.79	51.76	19.234		
10,600.00	8,418.00	11,649.48	9,360.00	53.96	54.74	-160.642	1,289.61	2,286.25	995.55	942.55	53.00	18.783		
10,621.13	8,418.00	11,670.61	9,360.00	54.34	55.11	-160.642	1,289.67	2,307.38	995.55	942.22	53.34	18.665		
10,700.00	8,418.00	11,749.48	9,360.00	55.75	56.50	-160.642	1,289.90	2,386.25	995.55	940.95	54.60	18.233		
10,721.13	8,418.00	11,770.61	9,360.00	56.13	56.87	-160.642	1,289.96	2,407.38	995.55	940.61	54.95	18.119		
10,800.00	8,418.00	11,849.48	9,360.00	57.55	58.27	-160.642	1,290.20	2,486.25	995.55	939.32	56.23	17.705		
10,821.13	8,418.00	11,870.61	9,360.00	57.94	58.65	-160.642	1,290.26	2,507.38	995.55	938.98	56.58	17.596		
10,900.00	8,418.00	11,949.48	9,360.00	59.38	60.07	-160.642	1,290.49	2,586.25	995.55	937.67	57.88	17.200		
10,921.13	8,418.00	11,970.61	9,360.00	59.76	60.45	-160.642	1,290.55	2,607.38	995.55	937.32	58.23	17.096		
11,000.00	8,418.00	12,049.48	9,360.00	61.21	61.88	-160.642	1,290.78	2,686.25	995.55	936.00	59.55	16.717		
11,021.13	8,418.00	12,070.61	9,360.00	61.61	62.27	-160.642	1,290.84	2,707.38	995.55	935.64	59.91	16.617		
11,100.00	8,418.00	12,149.48	9,360.00	63.07	63.71	-160.642	1,291.07	2,786.25	995.55	934.31	61.25	16.254		
11,121.13	8,418.00	12,170.61	9,360.00	63.46	64.10	-160.642	1,291.13	2,807.38	995.55	933.95	61.61	16.159		
11,200.00	8,418.00	12,249.48	9,360.00	64.93	65.55	-160.642	1,291.37	2,886.25	995.55	932.59	62.96	15.812		
11,221.13	8,418.00	12,270.61	9,360.00	65.33	65.94	-160.642	1,291.43	2,907.38	995.55	932.23	63.33	15.721		
11,300.00	8,418.00	12,349.48	9,360.00	66.81	67.41	-160.642	1,291.66	2,986.25	995.55	930.86	64.69	15.389		
11,321.13	8,418.00	12,370.61	9,360.00	67.21	67.80	-160.642	1,291.72	3,007.38	995.55	930.50	65.06	15.302		
11,400.00	8,418.00	12,449.48	9,360.00	68.70	69.27	-160.642	1,291.95	3,086.24	995.55	929.12	66.44	14.985		
11,421.13	8,418.00	12,470.61	9,360.00	69.10	69.67	-160.642	1,292.01	3,107.38	995.55	928.75	66.81	14.902		
11,500.00	8,418.00	12,549.48	9,360.00	70.60	71.15	-160.642	1,292.24	3,186.24	995.55	927.36	68.20	14.598		
11,521.13	8,418.00	12,570.61	9,360.00	71.00	71.55	-160.642	1,292.30	3,207.38	995.55	926.98	68.57	14.519		
11,600.00	8,418.00	12,649.48	9,360.00	72.51	73.04	-160.642	1,292.54	3,286.24	995.55	925.58	69.97	14.228		
11,621.13	8,418.00	12,670.61	9,360.00	72.92	73.44	-160.642	1,292.60	3,307.38	995.55	925.21	70.35	14.152		
11,700.00	8,418.00	12,749.48	9,360.00	74.43	74.94	-160.642	1,292.83	3,386.24	995.55	923.80	71.76	13.874		
11,721.13	8,418.00	12,770.61	9,360.00	74.83	75.34	-160.642	1,292.89	3,407.38	995.55	923.42	72.14	13.801		
11,800.00	8,418.00	12,849.48	9,360.00	76.35	76.84	-160.642	1,293.12	3,486.24	995.55	922.00	73.55	13.535		
11,821.13	8,418.00	12,870.61	9,360.00	76.76	77.25	-160.642	1,293.18	3,507.38	995.55	921.62	73.94	13.465		
11,900.00	8,418.00	12,949.48	9,360.00	78.29	78.76	-160.642	1,293.41	3,586.24	995.55	920.19	75.36	13.210		
11,921.13	8,418.00	12,970.61	9,360.00	78.70	79.17	-160.642	1,293.47	3,607.38	995.55	919.81	75.75	13.143		
12,000.00	8,418.00	13,049.48	9,360.00	80.23	80.68	-160.642	1,293.71	3,686.24	995.55	918.37	77.18	12.899		
12,021.13	8,418.00	13,070.61	9,360.00	80.64	81.09	-160.642	1,293.77	3,707.37	995.55	917.99	77.57	12.835		
12,100.00	8,418.00	13,149.48	9,360.00	82.17	82.61	-160.642	1,294.00	3,786.24	995.55	916.55	79.01	12.600		
12,121.13	8,418.00	13,170.61	9,360.00	82.58	83.02	-160.642	1,294.06	3,807.37	995.55	916.16	79.40	12.539		
12,200.00	8,418.00	13,249.48	9,360.00	84.12	84.55	-160.642	1,294.29	3,886.24	995.55	914.71	80.85	12.314		
12,221.13	8,418.00	13,270.61	9,360.00	84.54	84.96	-160.642	1,294.35	3,907.37	995.55	914.32	81.24	12.255		
12,300.00	8,418.00	13,349.48	9,360.00	86.08	86.49	-160.642	1,294.58	3,986.24	995.55	912.86	82.69	12.039		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2													Offset Site Error: 0.00 usft		
Survey Program: 0-MWD+IFR1				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,321.13	8,418.00	13,370.61	9,360.00	86.50	86.90	-160.642	1,294.64	4,007.37	995.55	912.47	83.08	11.983			
12,400.00	8,418.00	13,449.48	9,360.00	88.04	88.44	-160.642	1,294.88	4,086.24	995.55	911.01	84.54	11.776			
12,421.13	8,418.00	13,470.61	9,360.00	88.46	88.85	-160.642	1,294.94	4,107.37	995.55	910.62	84.94	11.721			
12,500.00	8,418.00	13,549.48	9,360.00	90.01	90.40	-160.642	1,295.17	4,186.24	995.55	909.15	86.40	11.522			
12,521.13	8,418.00	13,570.61	9,360.00	90.43	90.81	-160.642	1,295.23	4,207.37	995.55	908.76	86.80	11.470			
12,600.00	8,418.00	13,649.48	9,360.00	91.98	92.36	-160.642	1,295.46	4,286.24	995.55	907.29	88.27	11.279			
12,621.13	8,418.00	13,670.61	9,360.00	92.40	92.77	-160.642	1,295.52	4,307.37	995.55	906.89	88.66	11.228			
12,700.00	8,418.00	13,749.48	9,360.00	93.96	94.32	-160.642	1,295.75	4,386.24	995.55	905.41	90.14	11.044			
12,721.13	8,418.00	13,770.61	9,360.00	94.38	94.73	-160.642	1,295.81	4,407.37	995.55	905.02	90.54	10.996			
12,800.00	8,418.00	13,849.48	9,360.00	95.94	96.29	-160.642	1,296.04	4,486.24	995.55	903.53	92.02	10.819			
12,821.13	8,418.00	13,870.61	9,360.00	96.36	96.70	-160.642	1,296.11	4,507.37	995.55	903.14	92.42	10.772			
12,900.00	8,418.00	13,949.48	9,360.00	97.92	98.26	-160.642	1,296.34	4,586.24	995.55	901.65	93.90	10.602			
12,921.13	8,418.00	13,970.61	9,360.00	98.34	98.68	-160.642	1,296.40	4,607.37	995.55	901.25	94.30	10.557			
13,000.00	8,418.00	14,049.48	9,360.00	99.91	100.24	-160.642	1,296.63	4,686.24	995.55	899.76	95.79	10.393			
13,021.13	8,418.00	14,070.61	9,360.00	100.33	100.65	-160.642	1,296.69	4,707.37	995.55	899.36	96.19	10.350			
13,100.00	8,418.00	14,149.48	9,360.00	101.90	102.22	-160.642	1,296.92	4,786.24	995.55	897.87	97.69	10.191			
13,121.13	8,418.00	14,170.61	9,360.00	102.32	102.64	-160.642	1,296.98	4,807.37	995.55	897.47	98.09	10.150			
13,200.00	8,418.00	14,249.48	9,360.00	103.89	104.20	-160.642	1,297.21	4,886.24	995.55	895.97	99.59	9.997			
13,221.13	8,418.00	14,270.61	9,360.00	104.32	104.62	-160.642	1,297.28	4,907.37	995.55	895.57	99.99	9.957			
13,300.00	8,418.00	14,349.48	9,360.00	105.89	106.19	-160.642	1,297.51	4,986.24	995.55	894.07	101.49	9.810			
13,321.13	8,418.00	14,370.61	9,360.00	106.31	106.61	-160.642	1,297.57	5,007.37	995.55	893.66	101.89	9.771			
13,400.00	8,418.00	14,449.48	9,360.00	107.89	108.18	-160.642	1,297.80	5,086.24	995.55	892.16	103.40	9.629			
13,421.13	8,418.00	14,470.61	9,360.00	108.31	108.60	-160.642	1,297.86	5,107.37	995.55	891.76	103.80	9.591			
13,500.00	8,418.00	14,549.48	9,360.00	109.89	110.17	-160.642	1,298.09	5,186.24	995.55	890.25	105.31	9.454			
13,521.13	8,418.00	14,570.61	9,360.00	110.31	110.59	-160.642	1,298.15	5,207.37	995.55	889.84	105.71	9.418			
13,600.00	8,418.00	14,649.48	9,360.00	111.90	112.17	-160.642	1,298.38	5,286.24	995.55	888.33	107.22	9.285			
13,621.13	8,418.00	14,670.61	9,360.00	112.32	112.59	-160.642	1,298.45	5,307.37	995.55	887.93	107.63	9.250			
13,700.00	8,418.00	14,749.48	9,360.00	113.90	114.16	-160.642	1,298.68	5,386.24	995.55	886.42	109.14	9.122			
13,721.13	8,418.00	14,770.61	9,360.00	114.33	114.59	-160.642	1,298.74	5,407.37	995.55	886.01	109.54	9.088			
13,800.00	8,418.00	14,849.48	9,360.00	115.91	116.17	-160.642	1,298.97	5,486.23	995.55	884.49	111.06	8.964			
13,821.13	8,418.00	14,870.61	9,360.00	116.34	116.59	-160.642	1,299.03	5,507.37	995.55	884.09	111.47	8.931			
13,900.00	8,418.00	14,949.48	9,360.00	117.92	118.17	-160.642	1,299.26	5,586.23	995.55	882.57	112.98	8.811			
13,921.13	8,418.00	14,970.61	9,360.00	118.35	118.59	-160.642	1,299.32	5,607.37	995.55	882.16	113.39	8.780			
14,000.00	8,418.00	15,049.48	9,360.00	119.94	120.17	-160.642	1,299.55	5,686.23	995.55	880.64	114.91	8.664			
14,021.13	8,418.00	15,070.61	9,360.00	120.36	120.60	-160.642	1,299.62	5,707.37	995.55	880.23	115.32	8.633			
14,100.00	8,418.00	15,149.48	9,360.00	121.95	122.18	-160.642	1,299.85	5,786.23	995.55	878.71	116.84	8.520			
14,121.13	8,418.00	15,170.61	9,360.00	122.38	122.61	-160.642	1,299.91	5,807.37	995.55	878.30	117.25	8.491			
14,200.00	8,418.00	15,249.48	9,360.00	123.97	124.19	-160.642	1,300.14	5,886.23	995.55	876.78	118.78	8.382			
14,221.13	8,418.00	15,270.61	9,360.00	124.39	124.62	-160.642	1,300.20	5,907.37	995.55	876.37	119.18	8.353			
14,300.00	8,418.00	15,349.48	9,360.00	125.99	126.20	-160.642	1,300.43	5,986.23	995.55	874.84	120.71	8.247			
14,321.13	8,418.00	15,370.61	9,360.00	126.41	126.63	-160.642	1,300.49	6,007.36	995.55	874.43	121.12	8.220			
14,400.00	8,418.00	15,449.48	9,360.00	128.01	128.22	-160.642	1,300.72	6,086.23	995.55	872.90	122.65	8.117			
14,421.13	8,418.00	15,470.61	9,360.00	128.43	128.64	-160.642	1,300.79	6,107.36	995.55	872.49	123.06	8.090			
14,500.00	8,418.00	15,549.48	9,360.00	130.03	130.23	-160.642	1,301.02	6,186.23	995.55	870.96	124.59	7.991			
14,521.13	8,418.00	15,570.61	9,360.00	130.46	130.66	-160.642	1,301.08	6,207.36	995.55	870.55	125.00	7.964			
14,600.00	8,418.00	15,649.48	9,360.00	132.05	132.25	-160.642	1,301.31	6,286.23	995.55	869.02	126.53	7.868			
14,621.13	8,418.00	15,670.61	9,360.00	132.48	132.68	-160.642	1,301.37	6,307.36	995.55	868.61	126.94	7.843			
14,700.00	8,418.00	15,749.48	9,360.00	134.08	134.27	-160.642	1,301.60	6,386.23	995.55	867.08	128.48	7.749			
14,721.13	8,418.00	15,770.61	9,360.00	134.50	134.69	-160.642	1,301.66	6,407.36	995.55	866.67	128.89	7.724			
14,800.00	8,418.00	15,849.48	9,360.00	136.10	136.29	-160.642	1,301.89	6,486.23	995.55	865.13	130.42	7.633			
14,821.13	8,418.00	15,870.61	9,360.00	136.53	136.71	-160.642	1,301.96	6,507.36	995.55	864.72	130.84	7.609			
14,900.00	8,418.00	15,949.48	9,360.00	138.13	138.31	-160.642	1,302.19	6,586.23	995.55	863.18	132.37	7.521			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+IFR1		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,921.13	8,418.00	15,970.61	9,360.00	138.56	138.74	-160.642	1,302.25	6,607.36	995.55	862.77	132.78	7.498			
15,000.00	8,418.00	16,049.48	9,360.00	140.16	140.33	-160.642	1,302.48	6,686.23	995.55	861.23	134.32	7.412			
15,021.13	8,418.00	16,070.61	9,360.00	140.59	140.76	-160.642	1,302.54	6,707.36	995.55	860.82	134.74	7.389			
15,100.00	8,418.00	16,149.48	9,360.00	142.19	142.36	-160.642	1,302.77	6,786.23	995.55	859.28	136.28	7.305			
15,121.13	8,418.00	16,170.61	9,360.00	142.62	142.78	-160.642	1,302.83	6,807.36	995.55	858.87	136.69	7.283			
15,200.00	8,418.00	16,249.48	9,360.00	144.22	144.38	-160.642	1,303.06	6,886.23	995.55	857.32	138.23	7.202			
15,221.13	8,418.00	16,270.61	9,360.00	144.65	144.81	-160.642	1,303.13	6,907.36	995.55	856.91	138.64	7.181			
15,300.00	8,418.00	16,349.48	9,360.00	146.25	146.41	-160.642	1,303.36	6,986.23	995.55	855.37	140.19	7.102			
15,321.13	8,418.00	16,370.61	9,360.00	146.68	146.84	-160.642	1,303.42	7,007.36	995.55	854.96	140.60	7.081			
15,400.00	8,418.00	16,449.48	9,360.00	148.28	148.44	-160.642	1,303.65	7,086.23	995.55	853.41	142.14	7.004			
15,421.13	8,418.00	16,470.61	9,360.00	148.71	148.87	-160.642	1,303.71	7,107.36	995.55	853.00	142.56	6.984			
15,500.00	8,418.00	16,549.48	9,360.00	150.32	150.47	-160.642	1,303.94	7,186.23	995.55	851.45	144.10	6.909			
15,521.13	8,418.00	16,570.61	9,360.00	150.75	150.90	-160.642	1,304.00	7,207.36	995.55	851.04	144.52	6.889			
15,600.00	8,418.00	16,649.48	9,360.00	152.35	152.50	-160.642	1,304.23	7,286.23	995.55	849.49	146.06	6.816			
15,621.13	8,418.00	16,670.61	9,360.00	152.78	152.93	-160.642	1,304.30	7,307.36	995.55	849.08	146.48	6.797			
15,700.00	8,418.00	16,749.48	9,360.00	154.39	154.53	-160.642	1,304.53	7,386.23	995.55	847.53	148.02	6.726			
15,721.13	8,418.00	16,770.61	9,360.00	154.82	154.96	-160.642	1,304.59	7,407.36	995.55	847.12	148.44	6.707			
15,800.00	8,418.00	16,849.48	9,360.00	156.42	156.56	-160.642	1,304.82	7,486.23	995.55	845.57	149.99	6.638			
15,821.13	8,418.00	16,870.61	9,360.00	156.86	156.99	-160.642	1,304.88	7,507.36	995.55	845.15	150.40	6.619			
15,900.00	8,418.00	16,949.48	9,360.00	158.46	158.59	-160.642	1,305.11	7,586.23	995.55	843.60	151.95	6.552			
15,921.13	8,418.00	16,970.61	9,360.00	158.89	159.02	-160.642	1,305.17	7,607.36	995.55	843.19	152.37	6.534			
16,000.00	8,418.00	17,049.48	9,360.00	160.50	160.63	-160.642	1,305.40	7,686.23	995.55	841.64	153.92	6.468			
16,021.13	8,418.00	17,070.61	9,360.00	160.93	161.06	-160.642	1,305.47	7,707.36	995.55	841.22	154.33	6.451			
16,100.00	8,418.00	17,149.48	9,360.00	162.54	162.66	-160.642	1,305.70	7,786.22	995.55	839.67	155.88	6.387			
16,121.13	8,418.00	17,170.61	9,360.00	162.97	163.09	-160.642	1,305.76	7,807.36	995.55	839.26	156.30	6.370			
16,200.00	8,418.00	17,249.48	9,360.00	164.58	164.70	-160.642	1,305.99	7,886.22	995.55	837.70	157.85	6.307			
16,221.13	8,418.00	17,270.61	9,360.00	165.01	165.13	-160.642	1,306.05	7,907.36	995.55	837.29	158.27	6.290			
16,300.00	8,418.00	17,349.48	9,360.00	166.62	166.74	-160.642	1,306.28	7,986.22	995.55	835.74	159.82	6.229			
16,321.13	8,418.00	17,370.61	9,360.00	167.05	167.17	-160.642	1,306.34	8,007.36	995.55	835.32	160.23	6.213			
16,400.00	8,418.00	17,449.48	9,360.00	168.66	168.77	-160.642	1,306.57	8,086.22	995.55	833.77	161.79	6.153			
16,421.13	8,418.00	17,470.61	9,360.00	169.09	169.21	-160.642	1,306.64	8,107.36	995.55	833.35	162.20	6.138			
16,500.00	8,418.00	17,549.48	9,360.00	170.70	170.81	-160.642	1,306.87	8,186.22	995.55	831.79	163.76	6.079			
16,521.13	8,418.00	17,570.61	9,360.00	171.14	171.24	-160.642	1,306.93	8,207.36	995.55	831.38	164.18	6.064			
16,600.00	8,418.00	17,649.48	9,360.00	172.75	172.85	-160.642	1,307.16	8,286.22	995.55	829.82	165.73	6.007			
16,621.13	8,418.00	17,670.61	9,360.00	173.18	173.28	-160.642	1,307.22	8,307.36	995.55	829.41	166.15	5.992			
16,700.00	8,418.00	17,749.48	9,360.00	174.79	174.89	-160.642	1,307.45	8,386.22	995.55	827.85	167.70	5.936			
16,721.13	8,418.00	17,770.61	9,360.00	175.22	175.32	-160.642	1,307.51	8,407.35	995.55	827.43	168.12	5.922			
16,800.00	8,418.00	17,849.48	9,360.00	176.83	176.93	-160.642	1,307.74	8,486.22	995.55	825.88	169.68	5.867			
16,821.13	8,418.00	17,870.61	9,360.00	177.27	177.36	-160.642	1,307.81	8,507.35	995.55	825.46	170.09	5.853			
16,900.00	8,418.00	17,949.48	9,360.00	178.88	178.97	-160.642	1,308.04	8,586.22	995.55	823.90	171.65	5.800			
16,921.13	8,418.00	17,970.61	9,360.00	179.31	179.41	-160.642	1,308.10	8,607.35	995.55	823.48	172.07	5.786			
17,000.00	8,418.00	18,049.48	9,360.00	180.92	181.02	-160.642	1,308.33	8,686.22	995.55	821.93	173.63	5.734			
17,021.13	8,418.00	18,070.61	9,360.00	181.36	181.45	-160.642	1,308.39	8,707.35	995.55	821.51	174.04	5.720			
17,100.00	8,418.00	18,149.48	9,360.00	182.97	183.06	-160.642	1,308.62	8,786.22	995.55	819.95	175.60	5.669			
17,121.13	8,418.00	18,170.61	9,360.00	183.40	183.49	-160.642	1,308.68	8,807.35	995.55	819.53	176.02	5.656			
17,200.00	8,418.00	18,249.48	9,360.00	185.02	185.10	-160.642	1,308.91	8,886.22	995.55	817.97	177.58	5.606			
17,221.13	8,418.00	18,270.61	9,360.00	185.45	185.53	-160.642	1,308.98	8,907.35	995.55	817.55	178.00	5.593			
17,300.00	8,418.00	18,349.48	9,360.00	187.06	187.15	-160.642	1,309.21	8,986.22	995.55	816.00	179.56	5.544			
17,321.13	8,418.00	18,370.61	9,360.00	187.50	187.58	-160.642	1,309.27	9,007.35	995.55	815.58	179.98	5.532			
17,400.00	8,418.00	18,449.48	9,360.00	189.11	189.19	-160.642	1,309.50	9,086.22	995.55	814.02	181.54	5.484			
17,421.13	8,418.00	18,470.61	9,360.00	189.54	189.62	-160.642	1,309.56	9,107.35	995.55	813.60	181.96	5.471			
17,500.00	8,418.00	18,549.48	9,360.00	191.16	191.24	-160.642	1,309.79	9,186.22	995.55	812.04	183.52	5.425			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
17,521.13	8,418.00	18,570.61	9,360.00	191.59	191.67	-160.642	1,309.85	9,207.35	995.55	811.62	183.93	5.413	
17,600.00	8,418.00	18,649.48	9,360.00	193.21	193.28	-160.642	1,310.08	9,286.22	995.55	810.06	185.50	5.367	
17,621.13	8,418.00	18,670.61	9,360.00	193.64	193.71	-160.642	1,310.15	9,307.35	995.55	809.64	185.91	5.355	
17,700.00	8,418.00	18,749.48	9,360.00	195.26	195.33	-160.642	1,310.38	9,386.22	995.55	808.08	187.48	5.310	
17,721.13	8,418.00	18,770.61	9,360.00	195.69	195.76	-160.642	1,310.44	9,407.35	995.55	807.66	187.90	5.298	
17,800.00	8,418.00	18,849.48	9,360.00	197.31	197.37	-160.642	1,310.67	9,486.22	995.55	806.10	189.46	5.255	
17,821.13	8,418.00	18,870.61	9,360.00	197.74	197.81	-160.642	1,310.73	9,507.35	995.55	805.68	189.88	5.243	
17,900.00	8,418.00	18,949.48	9,360.00	199.36	199.42	-160.642	1,310.96	9,586.22	995.55	804.11	191.44	5.200	
17,921.13	8,418.00	18,970.61	9,360.00	199.79	199.85	-160.642	1,311.02	9,607.35	995.55	803.69	191.86	5.189	
18,000.00	8,418.00	19,049.48	9,360.00	201.41	201.47	-160.642	1,311.25	9,686.22	995.55	802.13	193.42	5.147	
18,021.13	8,418.00	19,070.61	9,360.00	201.84	201.90	-160.642	1,311.32	9,707.35	995.55	801.71	193.84	5.136	
18,100.00	8,418.00	19,149.48	9,360.00	203.46	203.52	-160.642	1,311.55	9,786.22	995.55	800.15	195.41	5.095	
18,121.13	8,418.00	19,170.61	9,360.00	203.89	203.95	-160.642	1,311.61	9,807.35	995.55	799.73	195.83	5.084	
18,200.00	8,418.00	19,249.48	9,360.00	205.51	205.56	-160.642	1,311.84	9,886.22	995.55	798.16	197.39	5.044	
18,221.13	8,418.00	19,270.61	9,360.00	205.94	206.00	-160.642	1,311.90	9,907.35	995.55	797.74	197.81	5.033	
18,300.00	8,418.00	19,349.48	9,360.00	207.56	207.61	-160.642	1,312.13	9,986.22	995.55	796.18	199.37	4.993	
18,321.13	8,418.00	19,370.61	9,360.00	207.99	208.05	-160.642	1,312.19	10,007.35	995.55	795.76	199.79	4.983	
18,400.00	8,418.00	19,449.48	9,360.00	209.61	209.66	-160.642	1,312.42	10,086.22	995.55	794.19	201.36	4.944	
18,421.13	8,418.00	19,470.61	9,360.00	210.04	210.09	-160.642	1,312.49	10,107.35	995.55	793.78	201.78	4.934	
18,500.00	8,418.00	19,549.48	9,360.00	211.66	211.71	-160.642	1,312.72	10,186.21	995.55	792.21	203.34	4.896	
18,521.13	8,418.00	19,570.61	9,360.00	212.10	212.14	-160.642	1,312.78	10,207.35	995.55	791.79	203.76	4.886	
18,600.00	8,418.00	19,649.48	9,360.00	213.71	213.76	-160.642	1,313.01	10,286.21	995.55	790.22	205.33	4.849	
18,621.13	8,418.00	19,670.61	9,360.00	214.15	214.19	-160.642	1,313.07	10,307.35	995.55	789.80	205.75	4.839	
18,700.00	8,418.00	19,749.48	9,360.00	215.77	215.81	-160.642	1,313.30	10,386.21	995.55	788.24	207.32	4.802	
18,721.13	8,418.00	19,770.61	9,360.00	216.20	216.24	-160.642	1,313.36	10,407.35	995.55	787.82	207.74	4.792	
18,800.00	8,418.00	19,849.48	9,360.00	217.82	217.86	-160.642	1,313.59	10,486.21	995.55	786.25	209.30	4.757	
18,821.13	8,418.00	19,870.61	9,360.00	218.25	218.30	-160.642	1,313.66	10,507.35	995.55	785.83	209.72	4.747	
18,900.00	8,418.00	19,949.48	9,360.00	219.87	219.91	-160.642	1,313.89	10,586.21	995.55	784.26	211.29	4.712	
18,921.13	8,418.00	19,970.61	9,360.00	220.31	220.35	-160.642	1,313.95	10,607.35	995.55	783.84	211.71	4.702	
19,000.00	8,418.00	20,049.48	9,360.00	221.93	221.96	-160.642	1,314.18	10,686.21	995.55	782.27	213.28	4.668	
19,021.13	8,418.00	20,070.61	9,360.00	222.36	222.40	-160.642	1,314.24	10,707.34	995.55	781.85	213.70	4.659	
19,100.00	8,418.00	20,149.48	9,360.00	223.98	224.02	-160.642	1,314.47	10,786.21	995.55	780.29	215.27	4.625	
19,121.13	8,418.00	20,170.61	9,360.00	224.41	224.45	-160.642	1,314.53	10,807.34	995.55	779.87	215.69	4.616	
19,200.00	8,418.00	20,249.48	9,360.00	226.03	226.07	-160.642	1,314.76	10,886.21	995.55	778.30	217.26	4.582	
19,221.13	8,418.00	20,270.61	9,360.00	226.47	226.50	-160.642	1,314.83	10,907.34	995.55	777.88	217.68	4.574	
19,300.00	8,418.00	20,349.48	9,360.00	228.09	228.12	-160.642	1,315.06	10,986.21	995.55	776.31	219.24	4.541	
19,321.13	8,418.00	20,370.61	9,360.00	228.52	228.55	-160.642	1,315.12	11,007.34	995.55	775.89	219.66	4.532	
19,400.00	8,418.00	20,449.48	9,360.00	230.14	230.17	-160.642	1,315.35	11,086.21	995.55	774.32	221.23	4.500	
19,421.13	8,418.00	20,470.61	9,360.00	230.58	230.61	-160.642	1,315.41	11,107.34	995.55	773.90	221.65	4.491	
19,500.00	8,418.00	20,549.48	9,360.00	232.20	232.23	-160.642	1,315.64	11,186.21	995.55	772.33	223.22	4.460	
19,521.13	8,418.00	20,570.61	9,360.00	232.63	232.66	-160.642	1,315.70	11,207.34	995.55	771.91	223.64	4.452	
19,600.00	8,418.00	20,649.48	9,360.00	234.25	234.28	-160.642	1,315.93	11,286.21	995.55	770.34	225.21	4.420	
19,621.13	8,418.00	20,670.61	9,360.00	234.69	234.71	-160.642	1,316.00	11,307.34	995.55	769.92	225.63	4.412	
19,700.00	8,418.00	20,749.48	9,360.00	236.31	236.33	-160.642	1,316.23	11,386.21	995.55	768.35	227.20	4.382	
19,721.13	8,418.00	20,770.61	9,360.00	236.74	236.77	-160.642	1,316.29	11,407.34	995.55	767.93	227.63	4.374	
19,800.00	8,418.00	20,849.48	9,360.00	238.37	238.39	-160.642	1,316.52	11,486.21	995.55	766.36	229.20	4.344	
19,821.13	8,418.00	20,870.61	9,360.00	238.80	238.82	-160.642	1,316.58	11,507.34	995.55	765.94	229.62	4.336	
19,900.00	8,418.00	20,949.48	9,360.00	240.42	240.44	-160.642	1,316.81	11,586.21	995.55	764.37	231.19	4.306	
19,921.13	8,418.00	20,970.61	9,360.00	240.86	240.88	-160.642	1,316.87	11,607.34	995.55	763.95	231.61	4.298	
20,000.00	8,418.00	21,049.48	9,360.00	242.48	242.50	-160.642	1,317.10	11,686.21	995.55	762.37	233.18	4.269	
20,021.13	8,418.00	21,070.61	9,360.00	242.91	242.93	-160.642	1,317.17	11,707.34	995.55	761.95	233.60	4.262	
20,100.00	8,418.00	21,149.48	9,360.00	244.53	244.55	-160.642	1,317.40	11,786.21	995.55	760.38	235.17	4.233	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (03) Bond 32-34 FED COM 201H - 201H - Plan 2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,121.13	8,418.00	21,170.61	9,360.00	244.97	244.99	-160.642	1,317.46	11,807.34	995.55	759.96	235.59	4.226	
20,200.00	8,418.00	21,249.48	9,360.00	246.59	246.61	-160.642	1,317.69	11,886.21	995.55	758.39	237.16	4.198	
20,221.13	8,418.00	21,270.61	9,360.00	247.03	247.04	-160.642	1,317.75	11,907.34	995.55	757.97	237.58	4.190	
20,300.00	8,418.00	21,349.48	9,360.00	248.65	248.66	-160.642	1,317.98	11,986.21	995.55	756.40	239.16	4.163	
20,321.13	8,418.00	21,370.61	9,360.00	249.08	249.10	-160.642	1,318.04	12,007.34	995.55	755.98	239.58	4.155	
20,400.00	8,418.00	21,449.48	9,360.00	250.70	250.72	-160.642	1,318.27	12,086.21	995.55	754.40	241.15	4.128	
20,421.13	8,418.00	21,470.61	9,360.00	251.14	251.15	-160.642	1,318.34	12,107.34	995.55	753.98	241.57	4.121	
20,500.00	8,418.00	21,549.48	9,360.00	252.76	252.77	-160.642	1,318.57	12,186.21	995.55	752.41	243.14	4.095	
20,521.13	8,418.00	21,570.61	9,360.00	253.20	253.21	-160.642	1,318.63	12,207.34	995.55	751.99	243.56	4.087	
20,600.00	8,418.00	21,649.48	9,360.00	254.82	254.83	-160.642	1,318.86	12,286.21	995.55	750.42	245.14	4.061	
20,621.13	8,418.00	21,670.61	9,360.00	255.25	255.26	-160.642	1,318.92	12,307.34	995.55	750.00	245.56	4.054	
20,700.00	8,418.00	21,749.48	9,360.00	256.88	256.88	-160.642	1,319.15	12,386.21	995.55	748.42	247.13	4.028	
20,721.13	8,418.00	21,770.61	9,360.00	257.31	257.32	-160.642	1,319.21	12,407.34	995.55	748.00	247.55	4.022	
20,800.00	8,418.00	21,849.48	9,360.00	258.94	258.94	-160.642	1,319.44	12,486.20	995.55	746.43	249.12	3.996	
20,821.13	8,418.00	21,870.61	9,360.00	259.37	259.38	-160.642	1,319.51	12,507.34	995.55	746.01	249.55	3.989	
20,900.00	8,418.00	21,949.48	9,360.00	260.99	261.00	-160.642	1,319.74	12,586.20	995.55	744.43	251.12	3.964	
20,921.13	8,418.00	21,970.61	9,360.00	261.43	261.43	-160.642	1,319.80	12,607.34	995.55	744.01	251.54	3.958	
21,000.00	8,418.00	22,049.48	9,360.00	263.05	263.05	-160.642	1,320.03	12,686.20	995.55	742.44	253.11	3.933	
21,021.13	8,418.00	22,070.61	9,360.00	263.49	263.49	-160.642	1,320.09	12,707.34	995.55	742.02	253.53	3.927	
21,100.00	8,418.00	22,149.48	9,360.00	265.11	265.11	-160.642	1,320.32	12,786.20	995.55	740.44	255.11	3.902	
21,121.13	8,418.00	22,170.61	9,360.00	265.55	265.55	-160.642	1,320.38	12,807.34	995.55	740.02	255.53	3.896	
21,200.00	8,418.00	22,249.48	9,360.00	267.17	267.17	-160.642	1,320.61	12,886.20	995.55	738.45	257.10	3.872	
21,221.13	8,418.00	22,270.61	9,360.00	267.60	267.60	-160.642	1,320.68	12,907.34	995.55	738.03	257.53	3.866	
21,300.00	8,418.00	22,349.48	9,360.00	269.23	269.23	-160.642	1,320.91	12,986.20	995.55	736.45	259.10	3.842	
21,321.13	8,418.00	22,370.61	9,360.00	269.66	269.66	-160.642	1,320.97	13,007.34	995.55	736.03	259.52	3.836	
21,400.00	8,418.00	22,449.48	9,360.00	271.29	271.28	-160.642	1,321.20	13,086.20	995.55	734.46	261.09	3.813	
21,421.13	8,418.00	22,470.61	9,360.00	271.72	271.72	-160.642	1,321.26	13,107.33	995.55	734.04	261.52	3.807	
21,500.00	8,418.00	22,549.48	9,360.00	273.35	273.34	-160.642	1,321.49	13,186.20	995.55	732.46	263.09	3.784	
21,521.13	8,418.00	22,570.61	9,360.00	273.78	273.78	-160.642	1,321.55	13,207.33	995.55	732.04	263.51	3.778	
21,600.00	8,418.00	22,649.48	9,360.00	275.41	275.40	-160.642	1,321.78	13,286.20	995.55	730.47	265.09	3.756	
21,621.13	8,418.00	22,670.61	9,360.00	275.84	275.83	-160.642	1,321.85	13,307.33	995.55	730.04	265.51	3.750	
21,700.00	8,418.00	22,749.48	9,360.00	277.47	277.46	-160.642	1,322.08	13,386.20	995.55	728.47	267.08	3.727	
21,721.13	8,418.00	22,770.61	9,360.00	277.90	277.89	-160.642	1,322.14	13,407.33	995.55	728.05	267.51	3.722	
21,800.00	8,418.00	22,849.48	9,360.00	279.52	279.52	-160.642	1,322.37	13,486.20	995.55	726.47	269.08	3.700	
21,857.24	8,418.00	22,906.72	9,360.00	280.70	280.69	-160.642	1,322.54	13,543.44	995.55	725.33	270.22	3.684	
21,880.45	8,418.00	22,928.71	9,360.00	281.18	281.15	-160.642	1,322.60	13,565.43	995.55	724.88	270.67	3.678 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 (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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
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	9.314	20.00	3.28	20.27				
100.00	100.00	100.00	100.00	0.79	0.79	9.314	20.00	3.28	20.27	18.70	1.57	12.898	
200.00	200.00	200.00	200.00	1.45	1.45	9.314	20.00	3.28	20.27	17.37	2.89	7.008	
300.00	300.00	300.00	300.00	1.89	1.89	9.314	20.00	3.28	20.27	16.48	3.78	5.357	
400.00	400.00	400.00	400.00	2.25	2.25	9.314	20.00	3.28	20.27	15.76	4.51	4.496	
500.00	500.00	500.00	500.00	2.57	2.57	9.314	20.00	3.28	20.27	15.13	5.14	3.947	
600.00	600.00	600.00	600.00	2.85	2.85	9.314	20.00	3.28	20.27	14.57	5.70	3.556	
700.00	700.00	700.00	700.00	3.11	3.11	9.314	20.00	3.28	20.27	14.05	6.22	3.260	
800.00	800.00	800.00	800.00	3.35	3.35	9.314	20.00	3.28	20.27	13.57	6.70	3.026	
900.00	900.00	900.00	900.00	3.58	3.58	9.314	20.00	3.28	20.27	13.12	7.15	2.834	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	9.314	20.00	3.28	20.27	12.69	7.58	2.674	
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	9.314	20.00	3.28	20.27	12.28	7.99	2.537	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	9.314	20.00	3.28	20.27	11.89	8.38	2.418	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	9.314	20.00	3.28	20.27	11.51	8.76	2.314	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	9.314	20.00	3.28	20.27	11.14	9.13	2.221	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	9.314	20.00	3.28	20.27	10.79	9.48	2.138	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	9.314	20.00	3.28	20.27	10.44	9.82	2.063	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	9.314	20.00	3.28	20.27	10.11	10.16	1.995 Level 3	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	9.314	20.00	3.28	20.27	9.78	10.49	1.933 Level 3	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	9.314	20.00	3.28	20.27	9.46	10.80	1.876 Level 3	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	9.314	20.00	3.28	20.27	9.15	11.12	1.823 Level 3	
2,100.00	2,099.98	2,099.35	2,099.33	5.80	5.80	11.745	21.68	2.91	20.18	8.60	11.58	1.742 Level 3	
2,200.00	2,199.84	2,198.69	2,198.53	6.05	6.05	9.466	26.73	1.80	19.92	7.87	12.05	1.653 Level 3	
2,300.00	2,299.45	2,298.02	2,297.49	6.31	6.31	5.551	35.12	-0.05	19.57	7.02	12.55	1.559 Level 3	
2,400.00	2,398.70	2,397.35	2,396.07	6.59	6.58	-0.122	46.87	-2.64	19.24	6.15	13.09	1.470 Level 3	
2,492.21	2,489.79	2,488.92	2,486.55	6.87	6.86	-6.944	60.64	-5.68	19.10	5.50	13.60	1.404 Level 3, CC	
2,500.00	2,497.47	2,496.66	2,494.17	6.89	6.88	-7.588	61.94	-5.97	19.11	5.46	13.64	1.400 Level 3, ES, SF	
2,600.00	2,595.73	2,595.97	2,591.68	7.09	7.17	-16.213	80.32	-10.02	19.88	5.86	14.02	1.418 Level 3	
2,700.00	2,693.92	2,695.90	2,689.49	7.36	7.50	-23.395	100.33	-14.43	22.29	7.75	14.54	1.533 Level 3	
2,800.00	2,792.11	2,795.84	2,787.30	7.65	7.79	-29.109	120.35	-18.85	24.97	9.99	14.98	1.667 Level 3	
2,900.00	2,890.31	2,895.78	2,885.12	7.95	8.09	-33.679	140.36	-23.26	27.85	12.44	15.42	1.807 Level 3	
3,000.00	2,988.50	2,995.71	2,982.93	8.27	8.41	-37.374	160.38	-27.67	30.88	15.02	15.86	1.948 Level 3	
3,100.00	3,086.70	3,095.65	3,080.74	8.61	8.74	-40.398	180.39	-32.08	34.01	17.71	16.30	2.087	
3,200.00	3,184.89	3,195.59	3,178.55	8.95	9.08	-42.908	200.41	-36.50	37.22	20.48	16.75	2.223	
3,300.00	3,283.09	3,295.52	3,276.36	9.31	9.44	-45.015	220.42	-40.91	40.49	23.29	17.20	2.354	
3,400.00	3,381.28	3,395.46	3,374.18	9.67	9.81	-46.805	240.44	-45.32	43.81	26.15	17.66	2.481	
3,500.00	3,479.47	3,495.40	3,471.99	10.04	10.18	-48.343	260.45	-49.74	47.16	29.04	18.12	2.603	
3,600.00	3,577.67	3,595.33	3,569.80	10.42	10.56	-49.675	280.47	-54.15	50.55	31.96	18.59	2.719	
3,700.00	3,675.86	3,695.27	3,667.61	10.81	10.95	-50.840	300.48	-58.56	53.95	34.90	19.06	2.831	
3,800.00	3,774.06	3,795.20	3,765.42	11.20	11.35	-51.866	320.50	-62.98	57.38	37.85	19.53	2.937	
3,900.00	3,872.25	3,895.14	3,863.23	11.60	11.75	-52.776	340.51	-67.39	60.82	40.81	20.01	3.039	
4,000.00	3,970.45	3,995.08	3,961.05	12.01	12.16	-53.588	360.53	-71.80	64.28	43.78	20.50	3.136	
4,100.00	4,068.64	4,095.01	4,058.86	12.41	12.57	-54.317	380.55	-76.22	67.75	46.77	20.98	3.229	
4,200.00	4,166.84	4,194.95	4,156.67	12.83	12.98	-54.976	400.56	-80.63	71.23	49.76	21.47	3.317	
4,300.00	4,265.03	4,294.89	4,254.48	13.24	13.40	-55.572	420.58	-85.04	74.71	52.75	21.96	3.402	
4,400.00	4,363.22	4,394.82	4,352.29	13.66	13.83	-56.116	440.59	-89.46	78.21	55.75	22.46	3.483	
4,500.00	4,461.42	4,494.76	4,450.11	14.08	14.25	-56.613	460.61	-93.87	81.71	58.76	22.95	3.560	
4,600.00	4,559.61	4,594.69	4,547.92	14.50	14.68	-57.069	480.62	-98.28	85.21	61.76	23.45	3.634	
4,700.00	4,657.81	4,694.63	4,645.73	14.93	15.11	-57.489	500.64	-102.70	88.73	64.77	23.95	3.704	
4,800.00	4,756.00	4,794.57	4,743.54	15.36	15.55	-57.877	520.65	-107.11	92.24	67.79	24.45	3.772	
4,900.00	4,854.20	4,894.50	4,841.35	15.79	15.98	-58.237	540.67	-111.52	95.76	70.80	24.96	3.837	
5,000.00	4,952.39	4,994.44	4,939.17	16.22	16.42	-58.571	560.68	-115.94	99.28	73.82	25.46	3.899	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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	5,050.58	5,094.38	5,036.98	16.66	16.86	-58.882	580.70	-120.35	102.81	76.84	25.97	3.958	
5,200.00	5,148.78	5,194.31	5,134.79	17.10	17.31	-59.173	600.71	-124.76	106.34	79.86	26.48	4.016	
5,300.00	5,246.97	5,294.25	5,232.60	17.53	17.75	-59.445	620.73	-129.17	109.87	82.88	26.99	4.070	
5,400.00	5,345.17	5,394.19	5,330.41	17.97	18.20	-59.700	640.74	-133.59	113.40	85.90	27.50	4.123	
5,500.00	5,443.36	5,494.12	5,428.23	18.41	18.64	-59.939	660.76	-138.00	116.94	88.92	28.02	4.174	
5,600.00	5,541.56	5,594.06	5,526.04	18.86	19.09	-60.165	680.77	-142.41	120.48	91.95	28.53	4.223	
5,700.00	5,639.75	5,693.99	5,623.85	19.30	19.54	-60.377	700.79	-146.83	124.02	94.97	29.05	4.270	
5,800.00	5,737.94	5,793.93	5,721.66	19.74	19.99	-60.578	720.81	-151.24	127.56	97.99	29.56	4.315	
5,900.00	5,836.14	5,893.87	5,819.47	20.19	20.44	-60.768	740.82	-155.65	131.10	101.02	30.08	4.358	
6,000.00	5,934.33	5,993.80	5,917.29	20.63	20.90	-60.948	760.84	-160.07	134.65	104.04	30.60	4.400	
6,100.00	6,032.53	6,093.74	6,015.10	21.08	21.35	-61.119	780.85	-164.48	138.19	107.07	31.12	4.441	
6,200.00	6,130.72	6,193.68	6,112.91	21.53	21.80	-61.281	800.87	-168.89	141.74	110.10	31.64	4.480	
6,300.00	6,228.92	6,293.61	6,210.72	21.98	22.26	-61.435	820.88	-173.31	145.28	113.12	32.16	4.517	
6,400.00	6,327.11	6,393.55	6,308.53	22.43	22.72	-61.582	840.90	-177.72	148.83	116.15	32.68	4.554	
6,500.00	6,425.31	6,493.48	6,406.35	22.88	23.17	-61.722	860.91	-182.13	152.38	119.18	33.21	4.589	
6,600.00	6,523.50	6,593.42	6,504.16	23.33	23.63	-61.856	880.93	-186.55	155.93	122.20	33.73	4.623	
6,700.00	6,621.69	6,694.76	6,603.40	23.78	24.08	-62.073	900.93	-190.96	159.31	125.10	34.21	4.657	
6,800.00	6,719.89	6,798.14	6,705.22	24.23	24.56	-63.157	918.40	-194.81	160.92	126.55	34.37	4.682	
6,900.00	6,818.08	6,901.29	6,807.38	24.68	25.01	-65.304	932.25	-197.86	160.56	126.48	34.08	4.711	
7,000.00	6,916.28	7,003.93	6,909.48	25.14	25.44	-68.578	942.45	-200.11	158.55	125.24	33.30	4.761	
7,100.00	7,014.58	7,105.89	7,011.22	25.57	25.82	-72.853	949.04	-201.56	155.61	123.50	32.11	4.846	
7,200.00	7,113.41	7,207.39	7,112.66	26.02	26.13	-77.302	952.09	-202.24	152.92	121.98	30.94	4.943	
7,300.00	7,212.71	7,307.44	7,212.71	26.45	26.19	-81.544	952.33	-202.29	150.82	120.88	29.95	5.037	
7,400.00	7,312.36	7,407.09	7,312.36	26.85	26.24	-84.650	952.33	-202.29	149.82	120.36	29.46	5.086	
7,500.00	7,412.24	7,506.97	7,412.24	27.20	26.28	-86.476	952.33	-202.29	149.45	120.13	29.32	5.097	
7,600.00	7,512.22	7,606.95	7,512.22	27.34	26.33	-90.168	952.33	-202.29	149.37	119.98	29.39	5.082	
7,700.00	7,612.22	7,706.95	7,612.22	27.40	26.37	-90.168	952.33	-202.29	149.37	119.80	29.57	5.051	
7,800.00	7,712.22	7,806.95	7,712.22	27.44	26.42	-90.168	952.33	-202.29	149.37	119.65	29.72	5.026	
7,900.00	7,812.22	7,906.95	7,812.22	27.49	26.47	-90.168	952.33	-202.29	149.37	119.50	29.87	5.000	
8,000.00	7,912.07	8,006.80	7,912.07	27.49	26.51	-180.000	952.33	-202.29	153.31	123.28	30.02	5.106	
8,100.00	8,009.86	8,104.59	8,009.86	27.50	26.56	-180.000	952.33	-202.29	173.59	143.36	30.24	5.741	
8,200.00	8,102.64	8,197.37	8,102.64	27.52	26.60	-180.000	952.33	-202.29	210.55	180.10	30.45	6.915	
8,300.00	8,187.60	8,282.33	8,187.60	27.58	26.64	-180.000	952.33	-202.29	263.06	232.40	30.65	8.582	
8,400.00	8,262.15	8,356.88	8,262.15	27.68	26.68	-180.000	952.33	-202.29	329.52	298.67	30.84	10.683	
8,500.00	8,324.02	8,418.75	8,324.02	27.87	26.71	-180.000	952.33	-202.29	407.92	376.90	31.01	13.153	
8,600.00	8,371.34	8,466.07	8,371.34	28.17	26.73	-180.000	952.33	-202.29	495.87	464.72	31.15	15.921	
8,700.00	8,402.67	8,497.40	8,402.67	28.61	26.74	-180.000	952.33	-202.29	590.70	559.46	31.24	18.909	
8,800.00	8,417.06	8,511.79	8,417.06	29.17	26.75	-180.000	952.33	-202.29	689.53	658.24	31.29	22.037	
8,900.00	8,418.00	8,512.73	8,418.00	29.87	26.75	0.000	952.33	-202.29	789.51	758.21	31.31	25.219	
9,000.00	8,418.00	8,512.73	8,418.00	30.69	26.75	0.000	952.33	-202.29	889.51	858.19	31.32	28.400	
9,100.00	8,418.00	8,512.73	8,418.00	31.63	26.75	0.000	952.33	-202.29	989.51	958.18	31.34	31.576	
9,200.00	8,418.00	8,512.73	8,418.00	32.68	26.75	0.000	952.33	-202.29	1,089.51	1,058.16	31.36	34.747	
9,300.00	8,418.00	8,512.73	8,418.00	33.82	26.75	0.000	952.33	-202.29	1,189.51	1,158.14	31.38	37.911	
9,400.00	8,418.00	8,512.73	8,418.00	35.04	26.75	0.000	952.33	-202.29	1,289.51	1,258.11	31.40	41.069	
9,500.00	8,418.00	8,512.73	8,418.00	36.35	26.75	0.000	952.33	-202.29	1,389.51	1,358.09	31.42	44.221	
9,600.00	8,418.00	8,512.73	8,418.00	37.72	26.75	0.000	952.33	-202.29	1,489.51	1,458.06	31.45	47.364	
9,700.00	8,418.00	8,512.73	8,418.00	39.15	26.75	0.000	952.33	-202.29	1,589.51	1,558.04	31.48	50.500	
9,800.00	8,418.00	8,512.73	8,418.00	40.64	26.75	0.000	952.33	-202.29	1,689.51	1,658.01	31.50	53.627	
9,900.00	8,418.00	11,813.33	10,175.00	42.18	44.17	180.000	957.56	1,587.22	1,757.00	1,707.58	49.42	35.556	
9,921.13	8,418.00	11,834.46	10,175.00	42.52	44.52	180.000	957.62	1,608.35	1,757.00	1,707.35	49.65	35.386	
10,000.00	8,418.00	11,913.33	10,175.00	43.76	45.82	180.000	957.85	1,687.22	1,757.00	1,706.46	50.54	34.764	
10,021.13	8,418.00	11,934.46	10,175.00	44.11	46.17	180.000	957.92	1,708.35	1,757.00	1,706.22	50.78	34.599	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (01) Bond 32-34 FED COM #303H - #303H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1						Rule Assigned:				Offset Well Error:	0.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			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	
10,100.00	8,418.00	12,013.33	10,175.00	45.39	47.50	180.000	958.15	1,787.22	1,757.00	1,705.31	51.69	33.992		
10,121.13	8,418.00	12,034.46	10,175.00	45.74	47.86	180.000	958.21	1,808.35	1,757.00	1,705.07	51.93	33.831		
10,200.00	8,418.00	12,113.33	10,175.00	47.04	49.21	180.000	958.44	1,887.22	1,757.00	1,704.14	52.86	33.240		
10,221.13	8,418.00	12,134.46	10,175.00	47.40	49.57	180.000	958.50	1,908.35	1,757.00	1,703.89	53.11	33.083		
10,300.00	8,418.00	12,213.33	10,175.00	48.73	50.94	180.000	958.73	1,987.21	1,757.00	1,702.95	54.05	32.509		
10,321.13	8,418.00	12,234.46	10,175.00	49.09	51.31	180.000	958.79	2,008.35	1,757.00	1,702.70	54.30	32.356		
10,400.00	8,418.00	12,313.33	10,175.00	50.45	52.70	180.000	959.02	2,087.21	1,757.00	1,701.74	55.26	31.798		
10,421.13	8,418.00	12,334.46	10,175.00	50.82	53.08	180.000	959.09	2,108.35	1,757.00	1,701.49	55.51	31.649		
10,500.00	8,418.00	12,413.33	10,175.00	52.19	54.49	180.000	959.32	2,187.21	1,757.00	1,700.52	56.48	31.107		
10,521.13	8,418.00	12,434.46	10,175.00	52.57	54.87	180.000	959.38	2,208.35	1,757.00	1,700.26	56.74	30.964		
10,600.00	8,418.00	12,513.33	10,175.00	53.96	56.29	180.000	959.61	2,287.21	1,757.00	1,699.28	57.72	30.438		
10,621.13	8,418.00	12,534.46	10,175.00	54.34	56.67	180.000	959.67	2,308.35	1,757.00	1,699.01	57.99	30.298		
10,700.00	8,418.00	12,613.33	10,175.00	55.75	58.11	180.000	959.90	2,387.21	1,757.00	1,698.02	58.98	29.789		
10,721.13	8,418.00	12,634.46	10,175.00	56.13	58.50	180.000	959.96	2,408.35	1,757.00	1,697.75	59.25	29.653		
10,800.00	8,418.00	12,713.33	10,175.00	57.55	59.94	180.000	960.19	2,487.21	1,757.00	1,696.75	60.26	29.159		
10,821.13	8,418.00	12,734.46	10,175.00	57.94	60.34	180.000	960.26	2,508.34	1,757.00	1,696.47	60.53	29.029		
10,900.00	8,418.00	12,813.33	10,175.00	59.38	61.80	180.000	960.49	2,587.21	1,757.00	1,695.46	61.54	28.550		
10,921.13	8,418.00	12,834.46	10,175.00	59.76	62.19	180.000	960.55	2,608.34	1,757.00	1,695.18	61.82	28.423		
11,000.00	8,418.00	12,913.33	10,175.00	61.21	63.66	180.000	960.78	2,687.21	1,757.00	1,694.16	62.84	27.960		
11,021.13	8,418.00	12,934.46	10,175.00	61.61	64.06	180.000	960.84	2,708.34	1,757.00	1,693.88	63.12	27.837		
11,100.00	8,418.00	13,013.33	10,175.00	63.07	65.54	180.000	961.07	2,787.21	1,757.00	1,692.85	64.15	27.388		
11,121.13	8,418.00	13,034.46	10,175.00	63.46	65.94	180.000	961.13	2,808.34	1,757.00	1,692.57	64.43	27.270		
11,200.00	8,418.00	13,113.33	10,175.00	64.93	67.43	180.000	961.37	2,887.21	1,757.00	1,691.53	65.47	26.835		
11,221.13	8,418.00	13,134.46	10,175.00	65.33	67.83	180.000	961.43	2,908.34	1,757.00	1,691.25	65.75	26.720		
11,300.00	8,418.00	13,213.33	10,175.00	66.81	69.32	180.000	961.66	2,987.21	1,757.00	1,690.19	66.81	26.300		
11,321.13	8,418.00	13,234.46	10,175.00	67.21	69.73	180.000	961.72	3,008.34	1,757.00	1,689.91	67.09	26.189		
11,400.00	8,418.00	13,313.33	10,175.00	68.70	71.23	180.000	961.95	3,087.21	1,757.00	1,688.85	68.15	25.782		
11,421.13	8,418.00	13,334.46	10,175.00	69.10	71.64	180.000	962.01	3,108.34	1,757.00	1,688.57	68.43	25.674		
11,500.00	8,418.00	13,413.33	10,175.00	70.60	73.15	180.000	962.24	3,187.21	1,757.00	1,687.50	69.50	25.280		
11,521.13	8,418.00	13,434.46	10,175.00	71.00	73.56	180.000	962.30	3,208.34	1,757.00	1,687.21	69.79	25.176		
11,600.00	8,418.00	13,513.33	10,175.00	72.51	75.07	180.000	962.54	3,287.21	1,757.00	1,686.14	70.86	24.795		
11,621.13	8,418.00	13,534.46	10,175.00	72.92	75.48	180.000	962.60	3,308.34	1,757.00	1,685.85	71.15	24.694		
11,700.00	8,418.00	13,613.33	10,175.00	74.43	77.01	180.000	962.83	3,387.21	1,757.00	1,684.77	72.23	24.324		
11,721.13	8,418.00	13,634.46	10,175.00	74.83	77.42	180.000	962.89	3,408.34	1,757.00	1,684.48	72.52	24.227		
11,800.00	8,418.00	13,713.33	10,175.00	76.35	78.95	180.000	963.12	3,487.21	1,757.00	1,683.39	73.61	23.869		
11,821.13	8,418.00	13,734.46	10,175.00	76.76	79.36	180.000	963.18	3,508.34	1,757.00	1,683.10	73.90	23.775		
11,900.00	8,418.00	13,813.33	10,175.00	78.29	80.89	180.000	963.41	3,587.21	1,757.00	1,682.01	74.99	23.429		
11,921.13	8,418.00	13,834.46	10,175.00	78.70	81.30	180.000	963.47	3,608.34	1,757.00	1,681.71	75.29	23.337		
12,000.00	8,418.00	13,913.33	10,175.00	80.23	82.84	180.000	963.71	3,687.21	1,757.00	1,680.61	76.39	23.002		
12,021.13	8,418.00	13,934.46	10,175.00	80.64	83.26	180.000	963.77	3,708.34	1,757.00	1,680.32	76.68	22.913		
12,100.00	8,418.00	14,013.33	10,175.00	82.17	84.80	180.000	964.00	3,787.21	1,757.00	1,679.22	77.78	22.588		
12,121.13	8,418.00	14,034.46	10,175.00	82.58	85.22	180.000	964.06	3,808.34	1,757.00	1,678.92	78.08	22.502		
12,200.00	8,418.00	14,113.33	10,175.00	84.12	86.76	180.000	964.29	3,887.21	1,757.00	1,677.81	79.19	22.187		
12,221.13	8,418.00	14,134.46	10,175.00	84.54	87.18	180.000	964.35	3,908.34	1,757.00	1,677.51	79.49	22.104		
12,300.00	8,418.00	14,213.33	10,175.00	86.08	88.73	180.000	964.58	3,987.21	1,757.00	1,676.40	80.60	21.799		
12,321.13	8,418.00	14,234.46	10,175.00	86.50	89.15	180.000	964.64	4,008.34	1,757.00	1,676.10	80.90	21.718		
12,400.00	8,418.00	14,313.33	10,175.00	88.04	90.70	180.000	964.88	4,087.21	1,757.00	1,674.98	82.02	21.422		
12,421.13	8,418.00	14,334.46	10,175.00	88.46	91.12	180.000	964.94	4,108.34	1,757.00	1,674.68	82.32	21.344		
12,500.00	8,418.00	14,413.33	10,175.00	90.01	92.68	180.000	965.17	4,187.21	1,757.00	1,673.56	83.44	21.057		
12,521.13	8,418.00	14,434.46	10,175.00	90.43	93.10	180.000	965.23	4,208.34	1,757.00	1,673.26	83.74	20.981		
12,600.00	8,418.00	14,513.33	10,175.00	91.98	94.66	180.000	965.46	4,287.20	1,757.00	1,672.13	84.87	20.703		
12,621.13	8,418.00	14,534.46	10,175.00	92.40	95.08	180.000	965.52	4,308.34	1,757.00	1,671.83	85.17	20.629		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,700.00	8,418.00	14,613.33	10,175.00	93.96	96.65	180.000	965.75	4,387.20	1,757.00	1,670.70	86.30	20.359			
12,721.13	8,418.00	14,634.46	10,175.00	94.38	97.07	180.000	965.82	4,408.34	1,757.00	1,670.40	86.60	20.288			
12,800.00	8,418.00	14,713.33	10,175.00	95.94	98.63	180.000	966.05	4,487.20	1,757.00	1,669.26	87.74	20.026			
12,821.13	8,418.00	14,734.46	10,175.00	96.36	99.05	180.000	966.11	4,508.34	1,757.00	1,668.96	88.04	19.957			
12,900.00	8,418.00	14,813.33	10,175.00	97.92	100.63	180.000	966.34	4,587.20	1,757.00	1,667.82	89.18	19.702			
12,921.13	8,418.00	14,834.46	10,175.00	98.34	101.05	180.000	966.40	4,608.34	1,757.00	1,667.52	89.48	19.635			
13,000.00	8,418.00	14,913.33	10,175.00	99.91	102.62	180.000	966.63	4,687.20	1,757.00	1,666.38	90.62	19.388			
13,021.13	8,418.00	14,934.46	10,175.00	100.33	103.04	180.000	966.69	4,708.34	1,757.00	1,666.07	90.93	19.323			
13,100.00	8,418.00	15,013.33	10,175.00	101.90	104.62	180.000	966.92	4,787.20	1,757.00	1,664.93	92.07	19.083			
13,121.13	8,418.00	15,034.46	10,175.00	102.32	105.04	180.000	966.99	4,808.34	1,757.00	1,664.62	92.38	19.019			
13,200.00	8,418.00	15,113.33	10,175.00	103.89	106.62	180.000	967.22	4,887.20	1,757.00	1,663.47	93.53	18.786			
13,221.13	8,418.00	15,134.46	10,175.00	104.32	107.04	180.000	967.28	4,908.33	1,757.00	1,663.17	93.83	18.725			
13,300.00	8,418.00	15,213.33	10,175.00	105.89	108.62	180.000	967.51	4,987.20	1,757.00	1,662.02	94.98	18.498			
13,321.13	8,418.00	15,234.46	10,175.00	106.31	109.04	180.000	967.57	5,008.33	1,757.00	1,661.71	95.29	18.438			
13,400.00	8,418.00	15,313.33	10,175.00	107.89	110.62	180.000	967.80	5,087.20	1,757.00	1,660.56	96.44	18.218			
13,421.13	8,418.00	15,334.46	10,175.00	108.31	111.05	180.000	967.86	5,108.33	1,757.00	1,660.25	96.75	18.160			
13,500.00	8,418.00	15,413.33	10,175.00	109.89	112.63	180.000	968.09	5,187.20	1,757.00	1,659.09	97.91	17.945			
13,521.13	8,418.00	15,434.46	10,175.00	110.31	113.06	180.000	968.16	5,208.33	1,757.00	1,658.78	98.22	17.889			
13,600.00	8,418.00	15,513.33	10,175.00	111.90	114.64	180.000	968.39	5,287.20	1,757.00	1,657.63	99.37	17.681			
13,621.13	8,418.00	15,534.46	10,175.00	112.32	115.07	180.000	968.45	5,308.33	1,757.00	1,657.31	99.69	17.625			
13,700.00	8,418.00	15,613.33	10,175.00	113.90	116.65	180.000	968.68	5,387.20	1,757.00	1,656.15	100.85	17.423			
13,721.13	8,418.00	15,634.46	10,175.00	114.33	117.08	180.000	968.74	5,408.33	1,757.00	1,655.84	101.16	17.369			
13,800.00	8,418.00	15,713.33	10,175.00	115.91	118.67	180.000	968.97	5,487.20	1,757.00	1,654.68	102.32	17.172			
13,821.13	8,418.00	15,734.46	10,175.00	116.34	119.09	180.000	969.03	5,508.33	1,757.00	1,654.37	102.63	17.120			
13,900.00	8,418.00	15,813.33	10,175.00	117.92	120.68	180.000	969.26	5,587.20	1,757.00	1,653.21	103.79	16.928			
13,921.13	8,418.00	15,834.46	10,175.00	118.35	121.11	180.000	969.33	5,608.33	1,757.00	1,652.89	104.11	16.877			
14,000.00	8,418.00	15,913.33	10,175.00	119.94	122.70	180.000	969.56	5,687.20	1,757.00	1,651.73	105.27	16.690			
14,021.13	8,418.00	15,934.46	10,175.00	120.36	123.13	180.000	969.62	5,708.33	1,757.00	1,651.41	105.59	16.641			
14,100.00	8,418.00	16,013.33	10,175.00	121.95	124.72	180.000	969.85	5,787.20	1,757.00	1,650.25	106.75	16.458			
14,121.13	8,418.00	16,034.46	10,175.00	122.38	125.15	180.000	969.91	5,808.33	1,757.00	1,649.93	107.07	16.410			
14,200.00	8,418.00	16,113.33	10,175.00	123.97	126.74	180.000	970.14	5,887.20	1,757.00	1,648.76	108.24	16.233			
14,221.13	8,418.00	16,134.46	10,175.00	124.39	127.17	180.000	970.20	5,908.33	1,757.00	1,648.45	108.55	16.186			
14,300.00	8,418.00	16,213.33	10,175.00	125.99	128.76	180.000	970.43	5,987.20	1,757.00	1,647.28	109.72	16.013			
14,321.13	8,418.00	16,234.46	10,175.00	126.41	129.19	180.000	970.50	6,008.33	1,757.00	1,646.96	110.04	15.967			
14,400.00	8,418.00	16,313.33	10,175.00	128.01	130.79	180.000	970.73	6,087.20	1,757.00	1,645.79	111.21	15.799			
14,421.13	8,418.00	16,334.46	10,175.00	128.43	131.21	180.000	970.79	6,108.33	1,757.00	1,645.47	111.53	15.754			
14,500.00	8,418.00	16,413.33	10,175.00	130.03	132.81	180.000	971.02	6,187.20	1,757.00	1,644.30	112.70	15.590			
14,521.13	8,418.00	16,434.46	10,175.00	130.46	133.24	180.000	971.08	6,208.33	1,757.00	1,643.98	113.02	15.546			
14,600.00	8,418.00	16,513.33	10,175.00	132.05	134.84	180.000	971.31	6,287.20	1,757.00	1,642.80	114.20	15.386			
14,621.13	8,418.00	16,534.46	10,175.00	132.48	135.27	180.000	971.37	6,308.33	1,757.00	1,642.49	114.51	15.343			
14,700.00	8,418.00	16,613.33	10,175.00	134.08	136.87	180.000	971.60	6,387.20	1,757.00	1,641.31	115.69	15.187			
14,721.13	8,418.00	16,634.46	10,175.00	134.50	137.30	180.000	971.67	6,408.33	1,757.00	1,640.99	116.01	15.146			
14,800.00	8,418.00	16,713.33	10,175.00	136.10	138.90	180.000	971.90	6,487.20	1,757.00	1,639.81	117.19	14.993			
14,821.13	8,418.00	16,734.46	10,175.00	136.53	139.32	180.000	971.96	6,508.33	1,757.00	1,639.50	117.50	14.953			
14,900.00	8,418.00	16,813.33	10,175.00	138.13	140.93	180.000	972.19	6,587.20	1,757.00	1,638.32	118.69	14.804			
14,921.13	8,418.00	16,834.46	10,175.00	138.56	141.36	180.000	972.25	6,608.33	1,757.00	1,638.00	119.00	14.764			
15,000.00	8,418.00	16,913.33	10,175.00	140.16	142.96	180.000	972.48	6,687.19	1,757.00	1,636.81	120.19	14.619			
15,021.13	8,418.00	16,934.46	10,175.00	140.59	143.39	180.000	972.54	6,708.33	1,757.00	1,636.50	120.50	14.581			
15,100.00	8,418.00	17,013.33	10,175.00	142.19	144.99	180.000	972.77	6,787.19	1,757.00	1,635.31	121.69	14.439			
15,121.13	8,418.00	17,034.46	10,175.00	142.62	145.42	180.000	972.84	6,808.33	1,757.00	1,634.99	122.01	14.401			
15,200.00	8,418.00	17,113.33	10,175.00	144.22	147.02	180.000	973.07	6,887.19	1,757.00	1,633.81	123.19	14.262			
15,221.13	8,418.00	17,134.46	10,175.00	144.65	147.45	180.000	973.13	6,908.33	1,757.00	1,633.49	123.51	14.226			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
15,300.00	8,418.00	17,213.33	10,175.00	146.25	149.06	180.000	973.36	6,987.19	1,757.00	1,632.30	124.70	14.090			
15,321.13	8,418.00	17,234.46	10,175.00	146.68	149.49	180.000	973.42	7,008.33	1,757.00	1,631.99	125.01	14.054			
15,400.00	8,418.00	17,313.33	10,175.00	148.28	151.09	180.000	973.65	7,087.19	1,757.00	1,630.80	126.20	13.922			
15,421.13	8,418.00	17,334.46	10,175.00	148.71	151.52	180.000	973.71	7,108.33	1,757.00	1,630.48	126.52	13.887			
15,500.00	8,418.00	17,413.33	10,175.00	150.32	153.13	180.000	973.94	7,187.19	1,757.00	1,629.29	127.71	13.758			
15,521.13	8,418.00	17,434.46	10,175.00	150.75	153.56	180.000	974.01	7,208.32	1,757.00	1,628.97	128.03	13.723			
15,600.00	8,418.00	17,513.33	10,175.00	152.35	155.17	180.000	974.24	7,287.19	1,757.00	1,627.78	129.22	13.597			
15,621.13	8,418.00	17,534.46	10,175.00	152.78	155.60	180.000	974.30	7,308.32	1,757.00	1,627.46	129.54	13.563			
15,700.00	8,418.00	17,613.33	10,175.00	154.39	157.21	180.000	974.53	7,387.19	1,757.00	1,626.27	130.73	13.440			
15,721.13	8,418.00	17,634.46	10,175.00	154.82	157.64	180.000	974.59	7,408.32	1,757.00	1,625.95	131.05	13.407			
15,800.00	8,418.00	17,713.33	10,175.00	156.42	159.25	180.000	974.82	7,487.19	1,757.00	1,624.75	132.25	13.286			
15,821.13	8,418.00	17,734.46	10,175.00	156.86	159.68	180.000	974.88	7,508.32	1,757.00	1,624.43	132.57	13.254			
15,900.00	8,418.00	17,813.33	10,175.00	158.46	161.28	180.000	975.11	7,587.19	1,757.00	1,623.24	133.76	13.136			
15,921.13	8,418.00	17,834.46	10,175.00	158.89	161.72	180.000	975.18	7,608.32	1,757.00	1,622.92	134.08	13.104			
16,000.00	8,418.00	17,913.33	10,175.00	160.50	163.33	180.000	975.41	7,687.19	1,757.00	1,621.73	135.27	12.988			
16,021.13	8,418.00	17,934.46	10,175.00	160.93	163.76	180.000	975.47	7,708.32	1,757.00	1,621.41	135.59	12.958			
16,100.00	8,418.00	18,013.33	10,175.00	162.54	165.37	180.000	975.70	7,787.19	1,757.00	1,620.21	136.79	12.844			
16,121.13	8,418.00	18,034.46	10,175.00	162.97	165.80	180.000	975.76	7,808.32	1,757.00	1,619.89	137.11	12.814			
16,200.00	8,418.00	18,113.33	10,175.00	164.58	167.41	180.000	975.99	7,887.19	1,757.00	1,618.69	138.31	12.704			
16,221.13	8,418.00	18,134.46	10,175.00	165.01	167.84	180.000	976.05	7,908.32	1,757.00	1,618.37	138.63	12.674			
16,300.00	8,418.00	18,213.33	10,175.00	166.62	169.45	180.000	976.28	7,987.19	1,757.00	1,617.17	139.83	12.566			
16,321.13	8,418.00	18,234.46	10,175.00	167.05	169.88	180.000	976.35	8,008.32	1,757.00	1,616.85	140.15	12.537			
16,400.00	8,418.00	18,313.33	10,175.00	168.66	171.50	180.000	976.58	8,087.19	1,757.00	1,615.65	141.35	12.430			
16,421.13	8,418.00	18,334.46	10,175.00	169.09	171.93	180.000	976.64	8,108.32	1,757.00	1,615.33	141.67	12.402			
16,500.00	8,418.00	18,413.33	10,175.00	170.70	173.54	180.000	976.87	8,187.19	1,757.00	1,614.13	142.87	12.298			
16,521.13	8,418.00	18,434.46	10,175.00	171.14	173.97	180.000	976.93	8,208.32	1,757.00	1,613.81	143.19	12.270			
16,600.00	8,418.00	18,513.33	10,175.00	172.75	175.58	180.000	977.16	8,287.19	1,757.00	1,612.61	144.39	12.168			
16,621.13	8,418.00	18,534.46	10,175.00	173.18	176.02	180.000	977.22	8,308.32	1,757.00	1,612.29	144.71	12.141			
16,700.00	8,418.00	18,613.33	10,175.00	174.79	177.63	180.000	977.45	8,387.19	1,757.00	1,611.09	145.91	12.041			
16,721.13	8,418.00	18,634.46	10,175.00	175.22	178.06	180.000	977.52	8,408.32	1,757.00	1,610.77	146.23	12.015			
16,800.00	8,418.00	18,713.33	10,175.00	176.83	179.67	180.000	977.75	8,487.19	1,757.00	1,609.56	147.44	11.917			
16,821.13	8,418.00	18,734.46	10,175.00	177.27	180.11	180.000	977.81	8,508.32	1,757.00	1,609.24	147.76	11.891			
16,900.00	8,418.00	18,813.33	10,175.00	178.88	181.72	180.000	978.04	8,587.19	1,757.00	1,608.04	148.96	11.795			
16,921.13	8,418.00	18,834.46	10,175.00	179.31	182.15	180.000	978.10	8,608.32	1,757.00	1,607.72	149.28	11.770			
17,000.00	8,418.00	18,913.33	10,175.00	180.92	183.77	180.000	978.33	8,687.19	1,757.00	1,606.51	150.49	11.675			
17,021.13	8,418.00	18,934.46	10,175.00	181.36	184.20	180.000	978.39	8,708.32	1,757.00	1,606.19	150.81	11.650			
17,100.00	8,418.00	19,013.33	10,175.00	182.97	185.82	180.000	978.63	8,787.19	1,757.00	1,604.99	152.01	11.558			
17,121.13	8,418.00	19,034.46	10,175.00	183.40	186.25	180.000	978.69	8,808.32	1,757.00	1,604.66	152.34	11.534			
17,200.00	8,418.00	19,113.33	10,175.00	185.02	187.86	180.000	978.92	8,887.19	1,757.00	1,603.46	153.54	11.443			
17,221.13	8,418.00	19,134.46	10,175.00	185.45	188.30	180.000	978.98	8,908.32	1,757.00	1,603.14	153.86	11.419			
17,300.00	8,418.00	19,213.33	10,175.00	187.06	189.91	180.000	979.21	8,987.18	1,757.00	1,601.93	155.07	11.330			
17,321.13	8,418.00	19,234.46	10,175.00	187.50	190.34	180.000	979.27	9,008.32	1,757.00	1,601.61	155.39	11.307			
17,400.00	8,418.00	19,313.33	10,175.00	189.11	191.96	180.000	979.50	9,087.18	1,757.00	1,600.40	156.60	11.220			
17,421.13	8,418.00	19,334.46	10,175.00	189.54	192.39	180.000	979.56	9,108.32	1,757.00	1,600.08	156.92	11.197			
17,500.00	8,418.00	19,413.33	10,175.00	191.16	194.01	180.000	979.80	9,187.18	1,757.00	1,598.87	158.13	11.111			
17,521.13	8,418.00	19,434.46	10,175.00	191.59	194.44	180.000	979.86	9,208.32	1,757.00	1,598.55	158.45	11.089			
17,600.00	8,418.00	19,513.33	10,175.00	193.21	196.06	180.000	980.09	9,287.18	1,757.00	1,597.34	159.66	11.005			
17,621.13	8,418.00	19,534.46	10,175.00	193.64	196.49	180.000	980.15	9,308.32	1,757.00	1,597.02	159.98	10.982			
17,700.00	8,418.00	19,613.33	10,175.00	195.26	198.11	180.000	980.38	9,387.18	1,757.00	1,595.81	161.19	10.900			
17,721.13	8,418.00	19,634.46	10,175.00	195.69	198.54	180.000	980.44	9,408.32	1,757.00	1,595.49	161.51	10.878			
17,800.00	8,418.00	19,713.33	10,175.00	197.31	200.16	180.000	980.67	9,487.18	1,757.00	1,594.28	162.72	10.798			
17,821.13	8,418.00	19,734.46	10,175.00	197.74	200.59	180.000	980.73	9,508.32	1,757.00	1,593.95	163.05	10.776			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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		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)			
17,900.00	8,418.00	19,813.33	10,175.00	199.36	202.21	180.000	980.97	9,587.18	1,757.00	1,592.74	164.26	10.697	
17,921.13	8,418.00	19,834.46	10,175.00	199.79	202.64	180.000	981.03	9,608.31	1,757.00	1,592.42	164.58	10.676	
18,000.00	8,418.00	19,913.33	10,175.00	201.41	204.26	180.000	981.26	9,687.18	1,757.00	1,591.21	165.79	10.598	
18,021.13	8,418.00	19,934.46	10,175.00	201.84	204.70	180.000	981.32	9,708.31	1,757.00	1,590.89	166.11	10.577	
18,100.00	8,418.00	20,013.33	10,175.00	203.46	206.31	180.000	981.55	9,787.18	1,757.00	1,589.68	167.32	10.501	
18,121.13	8,418.00	20,034.46	10,175.00	203.89	206.75	180.000	981.61	9,808.31	1,757.00	1,589.35	167.65	10.480	
18,200.00	8,418.00	20,113.33	10,175.00	205.51	208.37	180.000	981.84	9,887.18	1,757.00	1,588.14	168.86	10.405	
18,221.13	8,418.00	20,134.46	10,175.00	205.94	208.80	180.000	981.90	9,908.31	1,757.00	1,587.82	169.18	10.385	
18,300.00	8,418.00	20,213.33	10,175.00	207.56	210.42	180.000	982.14	9,987.18	1,757.00	1,586.61	170.39	10.311	
18,321.13	8,418.00	20,234.46	10,175.00	207.99	210.85	180.000	982.20	10,008.31	1,757.00	1,586.28	170.72	10.292	
18,400.00	8,418.00	20,313.33	10,175.00	209.61	212.47	180.000	982.43	10,087.18	1,757.00	1,585.07	171.93	10.219	
18,421.13	8,418.00	20,334.46	10,175.00	210.04	212.90	180.000	982.49	10,108.31	1,757.00	1,584.75	172.25	10.200	
18,500.00	8,418.00	20,413.33	10,175.00	211.66	214.52	180.000	982.72	10,187.18	1,757.00	1,583.53	173.47	10.129	
18,521.13	8,418.00	20,434.46	10,175.00	212.10	214.96	180.000	982.78	10,208.31	1,757.00	1,583.21	173.79	10.110	
18,600.00	8,418.00	20,513.33	10,175.00	213.71	216.58	180.000	983.01	10,287.18	1,757.00	1,582.00	175.00	10.040	
18,621.13	8,418.00	20,534.46	10,175.00	214.15	217.01	180.000	983.08	10,308.31	1,757.00	1,581.67	175.33	10.021	
18,700.00	8,418.00	20,613.33	10,175.00	215.77	218.63	180.000	983.31	10,387.18	1,757.00	1,580.46	176.54	9.952	
18,721.13	8,418.00	20,634.46	10,175.00	216.20	219.06	180.000	983.37	10,408.31	1,757.00	1,580.13	176.87	9.934	
18,800.00	8,418.00	20,713.33	10,175.00	217.82	220.68	180.000	983.60	10,487.18	1,757.00	1,578.92	178.08	9.866	
18,821.13	8,418.00	20,734.46	10,175.00	218.25	221.12	180.000	983.66	10,508.31	1,757.00	1,578.59	178.41	9.848	
18,900.00	8,418.00	20,813.33	10,175.00	219.87	222.74	180.000	983.89	10,587.18	1,757.00	1,577.38	179.62	9.782	
18,921.13	8,418.00	20,834.46	10,175.00	220.31	223.17	180.000	983.95	10,608.31	1,757.00	1,577.06	179.94	9.764	
19,000.00	8,418.00	20,913.33	10,175.00	221.93	224.79	180.000	984.18	10,687.18	1,757.00	1,575.84	181.16	9.699	
19,021.13	8,418.00	20,934.46	10,175.00	222.36	225.23	180.000	984.25	10,708.31	1,757.00	1,575.52	181.48	9.681	
19,100.00	8,418.00	21,013.33	10,175.00	223.98	226.85	180.000	984.48	10,787.18	1,757.00	1,574.30	182.70	9.617	
19,121.13	8,418.00	21,034.46	10,175.00	224.41	227.28	180.000	984.54	10,808.31	1,757.00	1,573.98	183.02	9.600	
19,200.00	8,418.00	21,113.33	10,175.00	226.03	228.90	180.000	984.77	10,887.18	1,757.00	1,572.76	184.24	9.537	
19,221.13	8,418.00	21,134.46	10,175.00	226.47	229.34	180.000	984.83	10,908.31	1,757.00	1,572.44	184.56	9.520	
19,300.00	8,418.00	21,213.33	10,175.00	228.09	230.96	180.000	985.06	10,987.18	1,757.00	1,571.22	185.78	9.457	
19,321.13	8,418.00	21,234.46	10,175.00	228.52	231.39	180.000	985.12	11,008.31	1,757.00	1,570.89	186.11	9.441	
19,400.00	8,418.00	21,313.33	10,175.00	230.14	233.01	180.000	985.35	11,087.18	1,757.00	1,569.68	187.32	9.380	
19,421.13	8,418.00	21,334.46	10,175.00	230.58	233.45	180.000	985.42	11,108.31	1,757.00	1,569.35	187.65	9.363	
19,500.00	8,418.00	21,413.33	10,175.00	232.20	235.07	180.000	985.65	11,187.18	1,757.00	1,568.14	188.86	9.303	
19,521.13	8,418.00	21,434.46	10,175.00	232.63	235.51	180.000	985.71	11,208.31	1,757.00	1,567.81	189.19	9.287	
19,600.00	8,418.00	21,513.33	10,175.00	234.25	237.13	180.000	985.94	11,287.18	1,757.00	1,566.59	190.41	9.228	
19,621.13	8,418.00	21,534.46	10,175.00	234.69	237.56	180.000	986.00	11,308.31	1,757.00	1,566.27	190.73	9.212	
19,700.00	8,418.00	21,613.33	10,175.00	236.31	239.18	180.000	986.23	11,387.17	1,757.00	1,565.05	191.95	9.154	
19,721.13	8,418.00	21,634.46	10,175.00	236.74	239.62	180.000	986.29	11,408.31	1,757.00	1,564.73	192.27	9.138	
19,800.00	8,418.00	21,713.33	10,175.00	238.37	241.24	180.000	986.52	11,487.17	1,757.00	1,563.51	193.49	9.081	
19,821.13	8,418.00	21,734.46	10,175.00	238.80	241.67	180.000	986.59	11,508.31	1,757.00	1,563.18	193.82	9.065	
19,900.00	8,418.00	21,813.33	10,175.00	240.42	243.30	180.000	986.82	11,587.17	1,757.00	1,561.97	195.03	9.009	
19,921.13	8,418.00	21,834.46	10,175.00	240.86	243.73	180.000	986.88	11,608.31	1,757.00	1,561.64	195.36	8.994	
20,000.00	8,418.00	21,913.33	10,175.00	242.48	245.35	180.000	987.11	11,687.17	1,757.00	1,560.42	196.58	8.938	
20,021.13	8,418.00	21,934.46	10,175.00	242.91	245.79	180.000	987.17	11,708.31	1,757.00	1,560.09	196.91	8.923	
20,100.00	8,418.00	22,013.33	10,175.00	244.53	247.41	180.000	987.40	11,787.17	1,757.00	1,558.88	198.12	8.868	
20,121.13	8,418.00	22,034.46	10,175.00	244.97	247.85	180.000	987.46	11,808.31	1,757.00	1,558.55	198.45	8.854	
20,200.00	8,418.00	22,113.33	10,175.00	246.59	249.47	180.000	987.69	11,887.17	1,757.00	1,557.33	199.67	8.800	
20,221.13	8,418.00	22,134.46	10,175.00	247.03	249.90	180.000	987.76	11,908.30	1,757.00	1,557.01	199.99	8.785	
20,300.00	8,418.00	22,213.33	10,175.00	248.65	251.53	180.000	987.99	11,987.17	1,757.00	1,555.79	201.21	8.732	
20,321.13	8,418.00	22,234.46	10,175.00	249.08	251.96	180.000	988.05	12,008.30	1,757.00	1,555.46	201.54	8.718	
20,400.00	8,418.00	22,313.33	10,175.00	250.70	253.58	180.000	988.28	12,087.17	1,757.00	1,554.24	202.76	8.665	
20,421.13	8,418.00	22,334.46	10,175.00	251.14	254.02	180.000	988.34	12,108.30	1,757.00	1,553.91	203.09	8.652	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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 (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)		
20,500.00	8,418.00	22,413.33	10,175.00	252.76	255.64	180.000	988.57	12,187.17	1,757.00	1,552.69	204.31	8.600	
20,521.13	8,418.00	22,434.46	10,175.00	253.20	256.08	180.000	988.63	12,208.30	1,757.00	1,552.37	204.63	8.586	
20,600.00	8,418.00	22,513.33	10,175.00	254.82	257.70	180.000	988.86	12,287.17	1,757.00	1,551.15	205.85	8.535	
20,621.13	8,418.00	22,534.46	10,175.00	255.25	258.14	180.000	988.93	12,308.30	1,757.00	1,550.82	206.18	8.522	
20,700.00	8,418.00	22,613.33	10,175.00	256.88	259.76	180.000	989.16	12,387.17	1,757.00	1,549.60	207.40	8.472	
20,721.13	8,418.00	22,634.46	10,175.00	257.31	260.19	180.000	989.22	12,408.30	1,757.00	1,549.28	207.72	8.458	
20,800.00	8,418.00	22,713.33	10,175.00	258.94	261.82	180.000	989.45	12,487.17	1,757.00	1,548.06	208.95	8.409	
20,821.13	8,418.00	22,734.46	10,175.00	259.37	262.25	180.000	989.51	12,508.30	1,757.00	1,547.73	209.27	8.396	
20,900.00	8,418.00	22,813.33	10,175.00	260.99	263.88	180.000	989.74	12,587.17	1,757.00	1,546.51	210.49	8.347	
20,921.13	8,418.00	22,834.46	10,175.00	261.43	264.31	180.000	989.80	12,608.30	1,757.00	1,546.18	210.82	8.334	
21,000.00	8,418.00	22,913.33	10,175.00	263.05	265.94	180.000	990.03	12,687.17	1,757.00	1,544.96	212.04	8.286	
21,021.13	8,418.00	22,934.46	10,175.00	263.49	266.37	180.000	990.10	12,708.30	1,757.00	1,544.63	212.37	8.273	
21,100.00	8,418.00	23,013.33	10,175.00	265.11	267.99	180.000	990.33	12,787.17	1,757.00	1,543.41	213.59	8.226	
21,121.13	8,418.00	23,034.46	10,175.00	265.55	268.43	180.000	990.39	12,808.30	1,757.00	1,543.08	213.92	8.214	
21,200.00	8,418.00	23,113.33	10,175.00	267.17	270.05	180.000	990.62	12,887.17	1,757.00	1,541.86	215.14	8.167	
21,221.13	8,418.00	23,134.46	10,175.00	267.60	270.49	180.000	990.68	12,908.30	1,757.00	1,541.54	215.46	8.155	
21,300.00	8,418.00	23,213.33	10,175.00	269.23	272.11	180.000	990.91	12,987.17	1,757.00	1,540.32	216.68	8.109	
21,321.13	8,418.00	23,234.46	10,175.00	269.66	272.55	180.000	990.97	13,008.30	1,757.00	1,539.99	217.01	8.096	
21,400.00	8,418.00	23,313.33	10,175.00	271.29	274.17	180.000	991.20	13,087.17	1,757.00	1,538.77	218.23	8.051	
21,421.13	8,418.00	23,334.46	10,175.00	271.72	274.61	180.000	991.27	13,108.30	1,757.00	1,538.44	218.56	8.039	
21,500.00	8,418.00	23,413.33	10,175.00	273.35	276.23	180.000	991.50	13,187.17	1,757.00	1,537.22	219.78	7.994	
21,521.13	8,418.00	23,434.46	10,175.00	273.78	276.67	180.000	991.56	13,208.30	1,757.00	1,536.89	220.11	7.982	
21,600.00	8,418.00	23,513.33	10,175.00	275.41	278.29	180.000	991.79	13,287.17	1,757.00	1,535.67	221.33	7.938	
21,621.13	8,418.00	23,534.46	10,175.00	275.84	278.73	180.000	991.85	13,308.30	1,757.00	1,535.34	221.66	7.927	
21,700.00	8,418.00	23,613.33	10,175.00	277.47	280.35	180.000	992.08	13,387.17	1,757.00	1,534.12	222.88	7.883	
21,721.13	8,418.00	23,634.46	10,175.00	277.90	280.79	180.000	992.14	13,408.30	1,757.00	1,533.79	223.21	7.872	
21,800.00	8,418.00	23,713.33	10,175.00	279.52	282.41	180.000	992.37	13,487.17	1,757.00	1,532.57	224.43	7.829	
21,817.00	8,418.00	23,730.33	10,175.00	279.87	282.76	180.000	992.42	13,504.17	1,757.00	1,532.30	224.70	7.819	
21,880.45	8,418.00	23,793.77	10,175.00	281.18	284.07	180.000	992.61	13,567.61	1,757.00	1,531.32	225.68	7.785	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-170.654	-19.99	-3.29	20.26				
100.00	100.00	100.00	100.00	0.79	0.79	-170.654	-19.99	-3.29	20.26	18.69	1.57	12.893	
200.00	200.00	200.00	200.00	1.45	1.45	-170.654	-19.99	-3.29	20.26	17.37	2.89	7.005	
300.00	300.00	300.00	300.00	1.89	1.89	-170.654	-19.99	-3.29	20.26	16.48	3.78	5.355	
400.00	400.00	400.00	400.00	2.25	2.25	-170.654	-19.99	-3.29	20.26	15.75	4.51	4.495	
500.00	500.00	500.00	500.00	2.57	2.57	-170.654	-19.99	-3.29	20.26	15.12	5.14	3.945	
600.00	600.00	600.00	600.00	2.85	2.85	-170.654	-19.99	-3.29	20.26	14.56	5.70	3.555	
700.00	700.00	700.00	700.00	3.11	3.11	-170.654	-19.99	-3.29	20.26	14.04	6.22	3.259	
800.00	800.00	800.00	800.00	3.35	3.35	-170.654	-19.99	-3.29	20.26	13.56	6.70	3.025	
900.00	900.00	900.00	900.00	3.58	3.58	-170.654	-19.99	-3.29	20.26	13.11	7.15	2.833	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-170.654	-19.99	-3.29	20.26	12.68	7.58	2.673	
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-170.654	-19.99	-3.29	20.26	12.27	7.99	2.536	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-170.654	-19.99	-3.29	20.26	11.88	8.38	2.417	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-170.654	-19.99	-3.29	20.26	11.50	8.76	2.313	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-170.654	-19.99	-3.29	20.26	11.13	9.13	2.220	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-170.654	-19.99	-3.29	20.26	10.78	9.48	2.137	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-170.654	-19.99	-3.29	20.26	10.44	9.82	2.062	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-170.654	-19.99	-3.29	20.26	10.10	10.16	1.994	Level 3
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-170.654	-19.99	-3.29	20.26	9.77	10.49	1.932	Level 3
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-170.654	-19.99	-3.29	20.26	9.45	10.80	1.875	Level 3
1,966.67	1,966.67	1,966.67	1,966.67	5.51	5.51	-170.654	-19.99	-3.29	20.26	9.25	11.01	1.840	Level 3
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-170.654	-19.99	-3.29	20.26	9.14	11.12	1.822	Level 3, CC, ES, SF
2,100.00	2,099.98	2,099.18	2,099.16	5.80	5.78	-168.692	-21.70	-3.44	23.69	12.13	11.57	2.048	
2,200.00	2,199.84	2,197.65	2,197.49	6.05	5.98	-170.858	-26.78	-3.87	34.01	22.01	12.00	2.833	
2,300.00	2,299.45	2,295.11	2,294.60	6.31	6.09	-172.520	-35.03	-4.58	51.07	38.71	12.36	4.133	
2,400.00	2,398.70	2,392.77	2,391.81	6.59	6.25	-173.636	-44.28	-5.38	72.55	59.75	12.79	5.670	
2,500.00	2,497.47	2,489.61	2,488.22	6.89	6.43	-174.429	-53.45	-6.16	97.42	84.15	13.27	7.343	
2,600.00	2,595.73	2,585.68	2,583.85	7.09	6.62	-175.032	-62.55	-6.94	125.16	111.50	13.66	9.165	
2,700.00	2,693.92	2,681.65	2,679.39	7.36	6.83	-175.443	-71.64	-7.72	153.24	139.12	14.13	10.848	
2,800.00	2,792.11	2,777.62	2,774.92	7.65	7.05	-175.727	-80.72	-8.51	181.34	166.71	14.63	12.394	
2,900.00	2,890.31	2,873.59	2,870.46	7.95	7.29	-175.934	-89.81	-9.29	209.43	194.27	15.16	13.811	
3,000.00	2,988.50	2,969.56	2,965.99	8.27	7.53	-176.092	-98.90	-10.07	237.53	221.81	15.72	15.107	
3,100.00	3,086.70	3,065.53	3,061.53	8.61	7.79	-176.217	-107.99	-10.85	265.63	249.32	16.31	16.290	
3,200.00	3,184.89	3,161.50	3,157.06	8.95	8.06	-176.318	-117.08	-11.63	293.73	276.82	16.91	17.369	
3,300.00	3,283.09	3,257.47	3,252.60	9.31	8.34	-176.402	-126.16	-12.41	321.83	304.29	17.53	18.355	
3,400.00	3,381.28	3,353.44	3,348.13	9.67	8.62	-176.472	-135.25	-13.19	349.93	331.75	18.17	19.254	
3,500.00	3,479.47	3,449.41	3,443.67	10.04	8.91	-176.531	-144.34	-13.97	378.03	359.20	18.83	20.076	
3,600.00	3,577.67	3,545.38	3,539.20	10.42	9.21	-176.583	-153.43	-14.75	406.13	386.63	19.50	20.828	
3,700.00	3,675.86	3,641.35	3,634.74	10.81	9.51	-176.627	-162.51	-15.53	434.23	414.05	20.18	21.517	
3,800.00	3,774.06	3,737.32	3,730.27	11.20	9.82	-176.667	-171.60	-16.31	462.33	441.46	20.87	22.149	
3,900.00	3,872.25	3,833.29	3,825.81	11.60	10.14	-176.701	-180.69	-17.09	490.44	468.86	21.58	22.730	
4,000.00	3,970.45	3,929.26	3,921.34	12.01	10.45	-176.732	-189.78	-17.87	518.54	496.25	22.29	23.264	
4,100.00	4,068.64	4,025.22	4,016.88	12.41	10.78	-176.760	-198.87	-18.65	546.64	523.63	23.01	23.757	
4,200.00	4,166.84	4,121.19	4,112.42	12.83	11.10	-176.785	-207.95	-19.43	574.74	551.00	23.74	24.212	
4,300.00	4,265.03	4,217.16	4,207.95	13.24	11.43	-176.808	-217.04	-20.21	602.84	578.37	24.47	24.633	
4,400.00	4,363.22	4,313.13	4,303.49	13.66	11.76	-176.829	-226.13	-20.99	630.95	605.73	25.21	25.023	
4,500.00	4,461.42	4,409.10	4,399.02	14.08	12.10	-176.848	-235.22	-21.77	659.05	633.09	25.96	25.386	
4,600.00	4,559.61	4,505.07	4,494.56	14.50	12.44	-176.865	-244.30	-22.55	687.15	660.44	26.71	25.722	
4,700.00	4,657.81	4,601.04	4,590.09	14.93	12.78	-176.881	-253.39	-23.33	715.26	687.78	27.47	26.036	
4,800.00	4,756.00	4,697.01	4,685.63	15.36	13.12	-176.896	-262.48	-24.11	743.36	715.12	28.23	26.329	
4,900.00	4,854.20	4,792.98	4,781.16	15.79	13.47	-176.910	-271.57	-24.89	771.46	742.46	29.00	26.602	
5,000.00	4,952.39	4,888.95	4,876.70	16.22	13.81	-176.922	-280.65	-25.67	799.56	769.79	29.77	26.858	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	5,050.58	4,984.92	4,972.23	16.66	14.16	-176.934	-289.74	-26.45	827.67	797.12	30.54	27.098	
5,200.00	5,148.78	5,080.89	5,067.77	17.10	14.51	-176.946	-298.83	-27.23	855.77	824.45	31.32	27.323	
5,300.00	5,246.97	5,176.86	5,163.30	17.53	14.86	-176.956	-307.92	-28.01	883.87	851.77	32.10	27.535	
5,400.00	5,345.17	5,272.83	5,258.84	17.97	15.21	-176.966	-317.01	-28.79	911.98	879.09	32.88	27.734	
5,500.00	5,443.36	5,368.80	5,354.37	18.41	15.57	-176.975	-326.09	-29.57	940.08	906.41	33.67	27.922	
5,600.00	5,541.56	5,464.77	5,449.91	18.86	15.92	-176.984	-335.18	-30.35	968.18	933.73	34.46	28.099	
5,700.00	5,639.75	5,560.74	5,545.45	19.30	16.28	-176.992	-344.27	-31.13	996.29	961.04	35.25	28.267	
5,800.00	5,737.94	5,656.71	5,640.98	19.74	16.64	-176.999	-353.36	-31.92	1,024.39	988.35	36.04	28.425	
5,900.00	5,836.14	5,752.68	5,736.52	20.19	17.00	-177.007	-362.44	-32.70	1,052.49	1,015.66	36.83	28.575	
6,000.00	5,934.33	5,848.65	5,832.05	20.63	17.35	-177.014	-371.53	-33.48	1,080.59	1,042.97	37.63	28.717	
6,100.00	6,032.53	5,944.62	5,927.59	21.08	17.71	-177.020	-380.62	-34.26	1,108.70	1,070.27	38.43	28.852	
6,200.00	6,130.72	6,040.59	6,023.12	21.53	18.08	-177.027	-389.71	-35.04	1,136.80	1,097.57	39.23	28.980	
6,300.00	6,228.92	6,136.56	6,118.66	21.98	18.44	-177.032	-398.80	-35.82	1,164.90	1,124.88	40.03	29.102	
6,400.00	6,327.11	6,232.53	6,214.19	22.43	18.80	-177.038	-407.88	-36.60	1,193.01	1,152.18	40.83	29.218	
6,500.00	6,425.31	6,328.50	6,309.73	22.88	19.16	-177.044	-416.97	-37.38	1,221.11	1,179.48	41.64	29.329	
6,600.00	6,523.50	6,424.47	6,405.26	23.33	19.53	-177.049	-426.06	-38.16	1,249.21	1,206.77	42.44	29.434	
6,700.00	6,621.69	6,520.44	6,500.80	23.78	19.89	-177.054	-435.15	-38.94	1,277.32	1,234.07	43.25	29.535	
6,800.00	6,719.89	6,616.41	6,596.33	24.23	20.26	-177.058	-444.23	-39.72	1,305.42	1,261.36	44.06	29.631	
6,900.00	6,818.08	6,712.38	6,691.87	24.68	20.62	-177.063	-453.32	-40.50	1,333.52	1,288.66	44.87	29.723	
7,000.00	6,916.28	6,808.35	6,787.40	25.14	20.99	-177.067	-462.41	-41.28	1,361.63	1,315.95	45.68	29.811	
7,100.00	7,014.58	6,904.48	6,883.10	25.57	21.36	-177.072	-471.51	-42.06	1,389.18	1,342.71	46.47	29.893	
7,200.00	7,113.41	7,001.43	6,979.61	26.02	21.73	-177.108	-480.69	-42.85	1,413.67	1,366.38	47.29	29.896	
7,300.00	7,212.71	7,099.17	7,076.91	26.45	22.10	-177.119	-489.95	-43.64	1,434.76	1,386.68	48.08	29.839	
7,400.00	7,312.36	7,197.59	7,174.88	26.85	22.48	-177.119	-499.27	-44.44	1,452.43	1,403.58	48.85	29.731	
7,500.00	7,412.24	7,344.28	7,321.03	27.20	23.01	-177.101	-511.64	-45.51	1,465.92	1,416.01	49.91	29.374	
7,600.00	7,512.22	7,535.58	7,512.22	27.34	23.54	179.730	-517.22	-45.99	1,470.00	1,419.21	50.79	28.944	
7,700.00	7,612.22	7,635.58	7,612.22	27.40	23.56	179.730	-517.22	-45.99	1,470.00	1,419.13	50.86	28.900	
7,800.00	7,712.22	7,735.58	7,712.22	27.44	23.58	179.730	-517.22	-45.99	1,470.00	1,419.06	50.93	28.862	
7,900.00	7,812.22	7,835.58	7,812.22	27.49	23.61	179.730	-517.22	-45.99	1,470.00	1,418.99	51.00	28.821	
7,999.04	7,911.04	7,934.46	7,910.96	27.49	23.62	89.973	-517.20	-42.18	1,469.99	1,418.96	51.04	28.802	
8,000.00	7,912.07	7,935.27	7,911.77	27.49	23.62	89.898	-517.20	-42.09	1,470.00	1,418.96	51.04	28.803	
8,100.00	8,009.86	8,034.83	8,009.14	27.50	23.60	89.902	-517.15	-21.98	1,470.00	1,418.93	51.06	28.789	
8,112.14	8,021.45	8,046.91	8,020.68	27.50	23.60	89.902	-517.14	-18.40	1,470.00	1,418.93	51.07	28.787	
8,200.00	8,102.64	8,134.40	8,101.59	27.52	23.59	89.908	-517.04	14.66	1,470.00	1,418.90	51.10	28.768	
8,222.89	8,122.88	8,157.20	8,121.76	27.53	23.59	89.910	-517.01	25.27	1,470.00	1,418.88	51.11	28.759	
8,300.00	8,187.60	8,234.01	8,186.34	27.58	23.61	89.918	-516.89	66.76	1,470.00	1,418.82	51.18	28.723	
8,324.52	8,206.93	8,258.44	8,205.65	27.60	23.62	89.920	-516.84	81.73	1,470.00	1,418.78	51.21	28.703	
8,400.00	8,262.15	8,333.67	8,260.84	27.68	23.69	89.930	-516.69	132.77	1,469.99	1,418.64	51.35	28.627	
8,426.02	8,279.55	8,359.61	8,278.25	27.73	23.72	89.933	-516.64	151.99	1,469.99	1,418.57	51.43	28.584	
8,500.00	8,324.02	8,433.39	8,322.82	27.87	23.86	89.944	-516.46	210.72	1,469.99	1,418.30	51.69	28.438	
8,527.45	8,338.53	8,460.77	8,337.38	27.95	23.93	89.948	-516.40	233.91	1,469.99	1,418.16	51.84	28.358	
8,600.00	8,371.34	8,533.17	8,370.39	28.17	24.17	89.959	-516.21	298.29	1,469.99	1,417.71	52.28	28.117	
8,629.06	8,382.15	8,562.18	8,381.29	28.30	24.28	89.964	-516.13	325.17	1,469.99	1,417.47	52.52	27.988	
8,700.00	8,402.67	8,633.02	8,402.08	28.61	24.64	89.976	-515.93	392.85	1,469.99	1,416.82	53.18	27.643	
8,731.53	8,409.07	8,664.52	8,408.61	28.78	24.82	89.982	-515.84	423.66	1,469.99	1,416.45	53.54	27.455	
8,790.45	8,416.43	8,723.41	8,416.23	29.12	25.21	89.992	-515.67	482.03	1,469.99	1,415.72	54.27	27.087	
8,800.00	8,417.06	8,732.96	8,416.90	29.17	25.28	89.994	-515.64	491.55	1,469.99	1,415.60	54.39	27.026	
8,900.00	8,418.00	8,832.95	8,418.00	29.87	26.08	90.000	-515.35	591.52	1,469.99	1,414.09	55.90	26.296	
9,000.00	8,418.00	8,932.95	8,418.00	30.69	27.01	90.000	-515.06	691.52	1,469.99	1,412.32	57.67	25.489	
9,100.00	8,418.00	9,032.95	8,418.00	31.63	28.07	90.000	-514.77	791.52	1,469.99	1,410.32	59.68	24.633	
9,200.00	8,418.00	9,132.95	8,418.00	32.68	29.23	90.000	-514.47	891.52	1,469.99	1,408.10	61.89	23.750	
9,300.00	8,418.00	9,232.95	8,418.00	33.82	30.50	90.000	-514.18	991.52	1,469.99	1,405.69	64.30	22.861	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+IFR1		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
9,400.00	8,418.00	9,332.95	8,418.00	35.04	31.84	90.000	-513.89	1,091.52	1,469.99	1,403.12	66.88	21.980			
9,500.00	8,418.00	9,432.95	8,418.00	36.35	33.26	90.000	-513.60	1,191.52	1,469.99	1,400.39	69.61	21.119			
9,600.00	8,418.00	9,532.95	8,418.00	37.72	34.75	90.000	-513.30	1,291.52	1,469.99	1,397.53	72.47	20.285			
9,700.00	8,418.00	9,632.95	8,418.00	39.15	36.30	90.000	-513.01	1,391.52	1,469.99	1,394.55	75.45	19.484			
9,800.00	8,418.00	9,732.95	8,418.00	40.64	37.89	90.000	-512.72	1,491.52	1,469.99	1,391.46	78.53	18.718			
9,900.00	8,418.00	9,832.95	8,418.00	42.18	39.53	90.000	-512.43	1,591.52	1,469.99	1,388.28	81.71	17.990			
10,000.00	8,418.00	9,932.95	8,418.00	43.76	41.21	90.000	-512.13	1,691.52	1,469.99	1,385.02	84.97	17.300			
10,100.00	8,418.00	10,032.95	8,418.00	45.39	42.92	90.000	-511.84	1,791.51	1,469.99	1,381.69	88.31	16.647			
10,200.00	8,418.00	10,132.95	8,418.00	47.04	44.66	90.000	-511.55	1,891.51	1,469.99	1,378.29	91.71	16.030			
10,300.00	8,418.00	10,232.95	8,418.00	48.73	46.43	90.000	-511.26	1,991.51	1,469.99	1,374.83	95.16	15.447			
10,400.00	8,418.00	10,332.95	8,418.00	50.45	48.23	90.000	-510.96	2,091.51	1,469.99	1,371.32	98.67	14.897			
10,500.00	8,418.00	10,432.95	8,418.00	52.19	50.04	90.000	-510.67	2,191.51	1,470.00	1,367.76	102.23	14.379			
10,600.00	8,418.00	10,532.95	8,418.00	53.96	51.87	90.000	-510.38	2,291.51	1,470.00	1,364.16	105.83	13.890			
10,700.00	8,418.00	10,632.95	8,418.00	55.75	53.73	90.000	-510.09	2,391.51	1,470.00	1,360.53	109.47	13.428			
10,800.00	8,418.00	10,732.95	8,418.00	57.55	55.59	90.000	-509.79	2,491.51	1,470.00	1,356.85	113.14	12.993			
10,900.00	8,418.00	10,832.95	8,418.00	59.38	57.47	90.000	-509.50	2,591.51	1,470.00	1,353.15	116.84	12.581			
11,000.00	8,418.00	10,932.95	8,418.00	61.21	59.37	90.000	-509.21	2,691.51	1,470.00	1,349.42	120.58	12.191			
11,100.00	8,418.00	11,032.95	8,418.00	63.07	61.27	90.000	-508.92	2,791.51	1,470.00	1,345.66	124.33	11.823			
11,200.00	8,418.00	11,132.95	8,418.00	64.93	63.19	90.000	-508.62	2,891.51	1,470.00	1,341.88	128.12	11.474			
11,300.00	8,418.00	11,232.95	8,418.00	66.81	65.11	90.000	-508.33	2,991.51	1,470.00	1,338.08	131.92	11.143			
11,400.00	8,418.00	11,332.95	8,418.00	68.70	67.04	90.000	-508.04	3,091.51	1,470.00	1,334.26	135.74	10.829			
11,500.00	8,418.00	11,432.95	8,418.00	70.60	68.98	90.000	-507.75	3,191.51	1,470.00	1,330.42	139.58	10.532			
11,600.00	8,418.00	11,532.95	8,418.00	72.51	70.93	90.000	-507.45	3,291.51	1,470.00	1,326.56	143.44	10.248			
11,700.00	8,418.00	11,632.95	8,418.00	74.43	72.89	90.000	-507.16	3,391.51	1,470.00	1,322.69	147.31	9.979			
11,800.00	8,418.00	11,732.95	8,418.00	76.35	74.85	90.000	-506.87	3,491.51	1,470.00	1,318.80	151.20	9.722			
11,900.00	8,418.00	11,832.95	8,418.00	78.29	76.82	90.000	-506.58	3,591.51	1,470.00	1,314.90	155.10	9.478			
12,000.00	8,418.00	11,932.95	8,418.00	80.23	78.79	90.000	-506.28	3,691.51	1,470.00	1,310.99	159.01	9.245			
12,100.00	8,418.00	12,032.95	8,418.00	82.17	80.76	90.000	-505.99	3,791.51	1,470.00	1,307.07	162.93	9.022			
12,200.00	8,418.00	12,132.95	8,418.00	84.12	82.75	90.000	-505.70	3,891.51	1,470.00	1,303.13	166.86	8.810			
12,300.00	8,418.00	12,232.95	8,418.00	86.08	84.73	90.000	-505.41	3,991.51	1,470.00	1,299.19	170.81	8.606			
12,400.00	8,418.00	12,332.95	8,418.00	88.04	86.72	90.000	-505.11	4,091.51	1,470.00	1,295.24	174.76	8.412			
12,500.00	8,418.00	12,432.95	8,418.00	90.01	88.72	90.000	-504.82	4,191.50	1,470.00	1,291.28	178.72	8.225			
12,600.00	8,418.00	12,532.95	8,418.00	91.98	90.71	90.000	-504.53	4,291.50	1,470.00	1,287.31	182.69	8.046			
12,700.00	8,418.00	12,632.95	8,418.00	93.96	92.71	90.000	-504.24	4,391.50	1,470.00	1,283.33	186.67	7.875			
12,800.00	8,418.00	12,732.95	8,418.00	95.94	94.72	90.000	-503.94	4,491.50	1,470.00	1,279.35	190.65	7.711			
12,900.00	8,418.00	12,832.95	8,418.00	97.92	96.72	90.000	-503.65	4,591.50	1,470.00	1,275.36	194.64	7.552			
13,000.00	8,418.00	12,932.95	8,418.00	99.91	98.73	90.000	-503.36	4,691.50	1,470.00	1,271.36	198.63	7.401			
13,100.00	8,418.00	13,032.95	8,418.00	101.90	100.74	90.000	-503.07	4,791.50	1,470.00	1,267.36	202.64	7.254			
13,200.00	8,418.00	13,132.95	8,418.00	103.89	102.75	90.000	-502.77	4,891.50	1,470.00	1,263.35	206.64	7.114			
13,300.00	8,418.00	13,232.95	8,418.00	105.89	104.77	90.000	-502.48	4,991.50	1,470.00	1,259.34	210.65	6.978			
13,400.00	8,418.00	13,332.95	8,418.00	107.89	106.79	90.000	-502.19	5,091.50	1,470.00	1,255.33	214.67	6.848			
13,500.00	8,418.00	13,432.95	8,418.00	109.89	108.81	90.000	-501.90	5,191.50	1,470.00	1,251.30	218.69	6.722			
13,600.00	8,418.00	13,532.95	8,418.00	111.90	110.83	90.000	-501.60	5,291.50	1,470.00	1,247.28	222.72	6.600			
13,700.00	8,418.00	13,632.95	8,418.00	113.90	112.85	90.000	-501.31	5,391.50	1,470.00	1,243.25	226.75	6.483			
13,800.00	8,418.00	13,732.95	8,418.00	115.91	114.88	90.000	-501.02	5,491.50	1,470.00	1,239.21	230.78	6.370			
13,900.00	8,418.00	13,832.95	8,418.00	117.92	116.90	90.000	-500.73	5,591.50	1,470.00	1,235.18	234.82	6.260			
14,000.00	8,418.00	13,932.95	8,418.00	119.94	118.93	90.000	-500.43	5,691.50	1,470.00	1,231.14	238.86	6.154			
14,100.00	8,418.00	14,032.95	8,418.00	121.95	120.96	90.000	-500.14	5,791.50	1,470.00	1,227.09	242.91	6.052			
14,200.00	8,418.00	14,132.95	8,418.00	123.97	122.99	90.000	-499.85	5,891.50	1,470.00	1,223.04	246.95	5.953			
14,300.00	8,418.00	14,232.95	8,418.00	125.99	125.02	90.000	-499.56	5,991.50	1,470.00	1,218.99	251.00	5.856			
14,400.00	8,418.00	14,332.95	8,418.00	128.01	127.06	90.000	-499.26	6,091.50	1,470.00	1,214.94	255.06	5.763			
14,500.00	8,418.00	14,432.95	8,418.00	130.03	129.09	90.000	-498.97	6,191.50	1,470.00	1,210.88	259.11	5.673			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1						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)			
14,600.00	8,418.00	14,532.95	8,418.00	132.05	131.13	90.000	-498.68	6,291.50	1,470.00	1,206.83	263.17	5.586		
14,700.00	8,418.00	14,632.95	8,418.00	134.08	133.16	90.000	-498.39	6,391.50	1,470.00	1,202.76	267.23	5.501		
14,800.00	8,418.00	14,732.95	8,418.00	136.10	135.20	90.000	-498.09	6,491.49	1,470.00	1,198.70	271.30	5.418		
14,900.00	8,418.00	14,832.95	8,418.00	138.13	137.24	90.000	-497.80	6,591.49	1,470.00	1,194.64	275.36	5.338		
15,000.00	8,418.00	14,932.95	8,418.00	140.16	139.28	90.000	-497.51	6,691.49	1,470.00	1,190.57	279.43	5.261		
15,100.00	8,418.00	15,032.95	8,418.00	142.19	141.32	90.000	-497.22	6,791.49	1,470.00	1,186.50	283.50	5.185		
15,200.00	8,418.00	15,132.95	8,418.00	144.22	143.36	90.000	-496.92	6,891.49	1,470.00	1,182.43	287.57	5.112		
15,300.00	8,418.00	15,232.95	8,418.00	146.25	145.40	90.000	-496.63	6,991.49	1,470.00	1,178.35	291.65	5.040		
15,400.00	8,418.00	15,332.95	8,418.00	148.28	147.45	90.000	-496.34	7,091.49	1,470.00	1,174.28	295.72	4.971		
15,500.00	8,418.00	15,432.95	8,418.00	150.32	149.49	90.000	-496.05	7,191.49	1,470.00	1,170.20	299.80	4.903		
15,600.00	8,418.00	15,532.95	8,418.00	152.35	151.53	90.000	-495.75	7,291.49	1,470.00	1,166.12	303.88	4.837		
15,700.00	8,418.00	15,632.95	8,418.00	154.39	153.58	90.000	-495.46	7,391.49	1,470.00	1,162.04	307.96	4.773		
15,800.00	8,418.00	15,732.95	8,418.00	156.42	155.62	90.000	-495.17	7,491.49	1,470.00	1,157.96	312.04	4.711		
15,900.00	8,418.00	15,832.95	8,418.00	158.46	157.67	90.000	-494.88	7,591.49	1,470.00	1,153.87	316.13	4.650		
16,000.00	8,418.00	15,932.95	8,418.00	160.50	159.72	90.000	-494.59	7,691.49	1,470.00	1,149.79	320.21	4.591		
16,100.00	8,418.00	16,032.95	8,418.00	162.54	161.76	90.000	-494.29	7,791.49	1,470.00	1,145.70	324.30	4.533		
16,200.00	8,418.00	16,132.95	8,418.00	164.58	163.81	90.000	-494.00	7,891.49	1,470.00	1,141.61	328.39	4.476		
16,300.00	8,418.00	16,232.95	8,418.00	166.62	165.86	90.000	-493.71	7,991.49	1,470.00	1,137.52	332.48	4.421		
16,400.00	8,418.00	16,332.95	8,418.00	168.66	167.91	90.000	-493.42	8,091.49	1,470.00	1,133.43	336.57	4.368		
16,500.00	8,418.00	16,432.95	8,418.00	170.70	169.96	90.000	-493.12	8,191.49	1,470.00	1,129.34	340.66	4.315		
16,600.00	8,418.00	16,532.95	8,418.00	172.75	172.01	90.000	-492.83	8,291.49	1,470.00	1,125.25	344.75	4.264		
16,700.00	8,418.00	16,632.95	8,418.00	174.79	174.06	90.000	-492.54	8,391.49	1,470.00	1,121.15	348.85	4.214		
16,800.00	8,418.00	16,732.95	8,418.00	176.83	176.11	90.000	-492.25	8,491.49	1,470.00	1,117.06	352.94	4.165		
16,900.00	8,418.00	16,832.95	8,418.00	178.88	178.16	90.000	-491.95	8,591.49	1,470.00	1,112.96	357.04	4.117		
17,000.00	8,418.00	16,932.95	8,418.00	180.92	180.22	90.000	-491.66	8,691.49	1,470.00	1,108.86	361.13	4.071		
17,100.00	8,418.00	17,032.95	8,418.00	182.97	182.27	90.000	-491.37	8,791.49	1,470.00	1,104.77	365.23	4.025		
17,200.00	8,418.00	17,132.95	8,418.00	185.02	184.32	90.000	-491.08	8,891.48	1,470.00	1,100.67	369.33	3.980		
17,300.00	8,418.00	17,232.95	8,418.00	187.06	186.37	90.000	-490.78	8,991.48	1,470.00	1,096.57	373.43	3.936		
17,400.00	8,418.00	17,332.95	8,418.00	189.11	188.43	90.000	-490.49	9,091.48	1,470.00	1,092.47	377.53	3.894		
17,500.00	8,418.00	17,432.95	8,418.00	191.16	190.48	90.000	-490.20	9,191.48	1,470.00	1,088.37	381.63	3.852		
17,600.00	8,418.00	17,532.95	8,418.00	193.21	192.53	90.000	-489.91	9,291.48	1,470.00	1,084.26	385.74	3.811		
17,700.00	8,418.00	17,632.95	8,418.00	195.26	194.59	90.000	-489.61	9,391.48	1,470.00	1,080.16	389.84	3.771		
17,800.00	8,418.00	17,732.95	8,418.00	197.31	196.64	90.000	-489.32	9,491.48	1,470.00	1,076.06	393.94	3.731		
17,900.00	8,418.00	17,832.95	8,418.00	199.36	198.70	90.000	-489.03	9,591.48	1,470.00	1,071.95	398.05	3.693		
18,000.00	8,418.00	17,932.95	8,418.00	201.41	200.75	90.000	-488.74	9,691.48	1,470.00	1,067.85	402.15	3.655		
18,100.00	8,418.00	18,032.95	8,418.00	203.46	202.81	90.000	-488.44	9,791.48	1,470.00	1,063.74	406.26	3.618		
18,200.00	8,418.00	18,132.95	8,418.00	205.51	204.87	90.000	-488.15	9,891.48	1,470.00	1,059.63	410.37	3.582		
18,300.00	8,418.00	18,232.95	8,418.00	207.56	206.92	90.000	-487.86	9,991.48	1,470.00	1,055.53	414.47	3.547		
18,400.00	8,418.00	18,332.95	8,418.00	209.61	208.98	90.000	-487.57	10,091.48	1,470.00	1,051.42	418.58	3.512		
18,500.00	8,418.00	18,432.95	8,418.00	211.66	211.04	90.000	-487.27	10,191.48	1,470.00	1,047.31	422.69	3.478		
18,600.00	8,418.00	18,532.95	8,418.00	213.71	213.09	90.000	-486.98	10,291.48	1,470.00	1,043.20	426.80	3.444		
18,700.00	8,418.00	18,632.95	8,418.00	215.77	215.15	90.000	-486.69	10,391.48	1,470.00	1,039.09	430.91	3.411		
18,800.00	8,418.00	18,732.95	8,418.00	217.82	217.21	90.000	-486.40	10,491.48	1,470.00	1,034.98	435.02	3.379		
18,900.00	8,418.00	18,832.95	8,418.00	219.87	219.27	90.000	-486.10	10,591.48	1,470.00	1,030.87	439.13	3.348		
19,000.00	8,418.00	18,932.95	8,418.00	221.93	221.32	90.000	-485.81	10,691.48	1,470.00	1,026.76	443.24	3.316		
19,100.00	8,418.00	19,032.95	8,418.00	223.98	223.38	90.000	-485.52	10,791.48	1,470.00	1,022.64	447.36	3.286		
19,200.00	8,418.00	19,132.95	8,418.00	226.03	225.44	90.000	-485.23	10,891.48	1,470.00	1,018.53	451.47	3.256		
19,300.00	8,418.00	19,232.95	8,418.00	228.09	227.50	90.000	-484.93	10,991.48	1,470.00	1,014.42	455.58	3.227		
19,400.00	8,418.00	19,332.95	8,418.00	230.14	229.56	90.000	-484.64	11,091.48	1,470.00	1,010.30	459.70	3.198		
19,500.00	8,418.00	19,432.95	8,418.00	232.20	231.62	90.000	-484.35	11,191.47	1,470.00	1,006.19	463.81	3.169		
19,600.00	8,418.00	19,532.95	8,418.00	234.25	233.68	90.000	-484.06	11,291.47	1,470.00	1,002.08	467.92	3.142		
19,700.00	8,418.00	19,632.95	8,418.00	236.31	235.73	90.000	-483.76	11,391.47	1,470.00	997.96	472.04	3.114		

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft	
Survey Program: 0-MWD+IFR1				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
19,800.00	8,418.00	19,732.95	8,418.00	238.37	237.79	90.000	-483.47	11,491.47	1,470.00	993.85	476.16	3.087			
19,900.00	8,418.00	19,832.95	8,418.00	240.42	239.85	90.000	-483.18	11,591.47	1,470.00	989.73	480.27	3.061			
20,000.00	8,418.00	19,932.95	8,418.00	242.48	241.91	90.000	-482.89	11,691.47	1,470.00	985.61	484.39	3.035			
20,100.00	8,418.00	20,032.95	8,418.00	244.53	243.97	90.000	-482.59	11,791.47	1,470.00	981.50	488.50	3.009			
20,200.00	8,418.00	20,132.95	8,418.00	246.59	246.03	90.000	-482.30	11,891.47	1,470.00	977.38	492.62	2.984			
20,300.00	8,418.00	20,232.95	8,418.00	248.65	248.10	90.000	-482.01	11,991.47	1,470.00	973.26	496.74	2.959			
20,400.00	8,418.00	20,332.95	8,418.00	250.70	250.16	90.000	-481.72	12,091.47	1,470.00	969.15	500.86	2.935			
20,500.00	8,418.00	20,432.95	8,418.00	252.76	252.22	90.000	-481.42	12,191.47	1,470.00	965.03	504.97	2.911			
20,600.00	8,418.00	20,532.95	8,418.00	254.82	254.28	90.000	-481.13	12,291.47	1,470.00	960.91	509.09	2.887			
20,700.00	8,418.00	20,632.95	8,418.00	256.88	256.34	90.000	-480.84	12,391.47	1,470.00	956.79	513.21	2.864			
20,800.00	8,418.00	20,732.95	8,418.00	258.94	258.40	90.000	-480.55	12,491.47	1,470.00	952.67	517.33	2.842			
20,900.00	8,418.00	20,832.95	8,418.00	260.99	260.46	90.000	-480.25	12,591.47	1,470.00	948.55	521.45	2.819			
21,000.00	8,418.00	20,932.95	8,418.00	263.05	262.52	90.000	-479.96	12,691.47	1,470.00	944.43	525.57	2.797			
21,100.00	8,418.00	21,032.95	8,418.00	265.11	264.58	90.000	-479.67	12,791.47	1,470.00	940.31	529.69	2.775			
21,200.00	8,418.00	21,132.95	8,418.00	267.17	266.65	90.000	-479.38	12,891.47	1,470.00	936.19	533.81	2.754			
21,300.00	8,418.00	21,232.95	8,418.00	269.23	268.71	90.000	-479.08	12,991.47	1,470.00	932.07	537.93	2.733			
21,400.00	8,418.00	21,332.95	8,418.00	271.29	270.77	90.000	-478.79	13,091.47	1,470.00	927.95	542.05	2.712			
21,500.00	8,418.00	21,432.95	8,418.00	273.35	272.83	90.000	-478.50	13,191.47	1,470.00	923.83	546.17	2.691			
21,600.00	8,418.00	21,532.95	8,418.00	275.41	274.89	90.000	-478.21	13,291.47	1,470.00	919.71	550.30	2.671			
21,700.00	8,418.00	21,632.95	8,418.00	277.47	276.96	90.000	-477.91	13,391.47	1,470.00	915.58	554.42	2.651			
21,800.00	8,418.00	21,732.95	8,418.00	279.52	279.02	90.000	-477.62	13,491.47	1,470.00	911.46	558.54	2.632			
21,880.45	8,418.00	21,813.40	8,418.00	281.18	280.68	90.000	-477.39	13,571.91	1,470.00	908.15	561.86	2.616			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error:	0.00 usft
Survey Program: 0-GYRO-NS													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	1.220	1,281.91	27.29	1,282.33					
100.00	100.00	81.67	81.66	0.79	0.99	1.205	1,281.91	26.97	1,282.19	1,280.41	1.78	720.570		
200.00	200.00	181.85	181.84	1.45	2.21	1.149	1,281.92	25.71	1,282.17	1,278.52	3.66	350.436		
228.78	228.78	210.29	210.28	1.57	2.49	1.125	1,281.92	25.18	1,282.17	1,278.10	4.07	315.321		
300.00	300.00	279.04	279.01	1.89	2.88	1.067	1,282.01	23.89	1,282.24	1,277.46	4.77	268.585		
400.00	400.00	375.56	375.52	2.25	3.43	0.990	1,282.36	22.15	1,282.57	1,276.88	5.68	225.636		
500.00	500.00	477.78	477.72	2.57	3.94	0.908	1,282.84	20.34	1,283.00	1,276.49	6.51	197.039		
600.00	600.00	581.94	581.86	2.85	4.45	0.818	1,283.01	18.32	1,283.14	1,275.84	7.29	175.902		
665.56	665.56	647.16	647.06	3.02	4.74	0.760	1,282.99	17.02	1,283.11	1,275.35	7.76	165.377		
700.00	700.00	680.83	680.74	3.11	4.89	0.733	1,283.01	16.42	1,283.12	1,275.12	8.00	160.469		
800.00	800.00	778.64	778.53	3.35	5.32	0.667	1,283.17	14.93	1,283.26	1,274.60	8.67	148.058		
900.00	900.00	877.33	877.21	3.58	5.73	0.614	1,283.47	13.76	1,283.55	1,274.24	9.31	137.875		
1,000.00	1,000.00	976.27	976.14	3.79	6.15	0.568	1,283.85	12.74	1,283.93	1,273.99	9.94	129.221		
1,100.00	1,100.00	1,074.73	1,074.60	3.99	6.55	0.523	1,284.33	11.73	1,284.40	1,273.86	10.54	121.861		
1,200.00	1,200.00	1,173.03	1,172.89	4.19	6.94	0.466	1,284.93	10.45	1,285.01	1,273.87	11.13	115.440		
1,300.00	1,300.00	1,272.22	1,272.07	4.38	7.33	0.403	1,285.65	9.05	1,285.72	1,274.00	11.71	109.780		
1,400.00	1,400.00	1,371.76	1,371.60	4.56	7.72	0.357	1,286.40	8.02	1,286.47	1,274.18	12.28	104.723		
1,500.00	1,500.00	1,475.34	1,475.17	4.74	8.12	0.323	1,287.11	7.25	1,287.14	1,274.28	12.86	100.076		
1,600.00	1,600.00	1,580.51	1,580.34	4.91	8.53	0.289	1,287.42	6.49	1,287.43	1,274.00	13.44	95.809		
1,700.00	1,700.00	1,678.41	1,678.23	5.08	8.90	0.261	1,287.54	5.87	1,287.55	1,273.58	13.98	92.121		
1,800.00	1,800.00	1,774.65	1,774.48	5.24	9.26	0.247	1,287.92	5.56	1,287.95	1,273.45	14.50	88.798		
1,900.00	1,900.00	1,874.58	1,874.40	5.40	9.64	0.247	1,288.51	5.55	1,288.54	1,273.50	15.04	85.678		
2,000.00	2,000.00	1,975.82	1,975.65	5.56	10.02	0.261	1,289.01	5.87	1,289.04	1,273.47	15.57	82.765		
2,100.00	2,099.98	2,079.93	2,079.76	5.80	10.40	3.471	1,289.34	6.42	1,287.62	1,271.42	16.20	79.467		
2,200.00	2,199.84	2,184.80	2,184.62	6.05	10.79	3.515	1,289.28	6.93	1,282.33	1,265.49	16.84	76.146		
2,300.00	2,299.45	2,281.58	2,281.40	6.31	11.15	3.573	1,289.09	7.46	1,273.45	1,255.99	17.46	72.935		
2,400.00	2,398.70	2,376.74	2,376.56	6.59	11.50	3.654	1,289.21	8.17	1,261.41	1,243.32	18.09	69.729		
2,500.00	2,497.47	2,473.60	2,473.41	6.89	11.85	3.764	1,289.57	9.15	1,246.18	1,227.44	18.74	66.483		
2,600.00	2,595.73	2,570.68	2,570.48	7.09	12.21	3.894	1,290.04	10.48	1,228.15	1,208.85	19.30	63.646		
2,700.00	2,693.92	2,664.73	2,664.52	7.36	12.55	4.018	1,290.67	11.85	1,209.95	1,190.04	19.91	60.773		
2,800.00	2,792.11	2,757.65	2,757.43	7.65	12.89	4.109	1,291.71	12.48	1,192.19	1,171.65	20.54	58.051		
2,900.00	2,890.31	2,852.27	2,852.04	7.95	13.24	4.167	1,293.18	12.41	1,174.84	1,153.65	21.19	55.452		
3,000.00	2,988.50	2,948.28	2,948.03	8.27	13.58	4.208	1,294.91	11.92	1,157.73	1,135.88	21.86	52.971		
3,100.00	3,086.70	3,044.39	3,044.12	8.61	13.93	4.232	1,296.85	11.09	1,140.84	1,118.30	22.54	50.616		
3,200.00	3,184.89	3,140.61	3,140.30	8.95	14.28	4.242	1,299.00	9.98	1,124.15	1,100.92	23.23	48.384		
3,300.00	3,283.09	3,237.93	3,237.59	9.31	14.63	4.239	1,301.37	8.60	1,107.66	1,083.71	23.94	46.262		
3,400.00	3,381.28	3,336.93	3,336.55	9.67	14.99	4.235	1,303.79	7.18	1,091.17	1,066.50	24.67	44.237		
3,500.00	3,479.47	3,435.82	3,435.40	10.04	15.35	4.233	1,306.18	5.81	1,074.65	1,049.26	25.40	42.313		
3,600.00	3,577.67	3,534.51	3,534.05	10.42	15.70	4.235	1,308.54	4.50	1,058.13	1,031.99	26.13	40.487		
3,700.00	3,675.86	3,633.87	3,633.38	10.81	16.06	4.239	1,310.91	3.24	1,041.58	1,014.70	26.88	38.749		
3,800.00	3,774.06	3,734.52	3,733.99	11.20	16.42	4.250	1,313.15	2.06	1,024.88	997.25	27.63	37.087		
3,900.00	3,872.25	3,834.66	3,834.10	11.60	16.78	4.267	1,315.18	0.99	1,008.00	979.60	28.39	35.502		
4,000.00	3,970.45	3,933.93	3,933.36	12.01	17.14	4.284	1,317.10	-0.09	991.01	961.86	29.15	33.995		
4,100.00	4,068.64	4,032.38	4,031.78	12.41	17.49	4.300	1,318.95	-1.19	973.97	944.06	29.91	32.561		
4,200.00	4,166.84	4,129.26	4,128.64	12.83	17.84	4.315	1,320.88	-2.28	957.04	926.37	30.67	31.201		
4,300.00	4,265.03	4,226.58	4,225.92	13.24	18.19	4.330	1,322.98	-3.37	940.28	908.84	31.44	29.909		
4,400.00	4,363.22	4,324.94	4,324.26	13.66	18.54	4.346	1,325.17	-4.49	923.59	891.38	32.21	28.674		
4,500.00	4,461.42	4,423.59	4,422.88	14.08	18.89	4.361	1,327.39	-5.61	906.91	873.93	32.98	27.495		
4,600.00	4,559.61	4,523.13	4,522.38	14.50	19.24	4.381	1,329.56	-6.71	890.17	856.41	33.76	26.366		
4,700.00	4,657.81	4,622.30	4,621.53	14.93	19.60	4.405	1,331.62	-7.74	873.33	838.79	34.54	25.283		
4,800.00	4,756.00	4,720.37	4,719.58	15.36	19.95	4.430	1,333.66	-8.75	856.50	821.18	35.32	24.248		
4,900.00	4,854.20	4,818.45	4,817.62	15.79	20.30	4.457	1,335.76	-9.75	839.72	803.62	36.10	23.259		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error: 0.00 usft
Survey Program: 0-GYRO-NS													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,952.39	4,916.44	4,915.58	16.22	20.65	4.483	1,337.93	-10.78	823.01	786.13	36.89	22.312	
5,100.00	5,050.58	5,014.86	5,013.97	16.66	21.06	4.506	1,340.18	-11.87	806.37	768.64	37.74	21.368	
5,200.00	5,148.78	5,115.53	5,114.62	17.10	21.86	4.524	1,342.33	-13.07	789.59	750.63	38.97	20.264	
5,300.00	5,246.97	5,216.12	5,215.18	17.53	22.65	4.534	1,344.23	-14.40	772.56	732.36	40.20	19.220	
5,400.00	5,345.17	5,316.61	5,315.65	17.97	23.45	4.535	1,345.86	-15.86	755.26	713.84	41.42	18.232	
5,500.00	5,443.36	5,416.54	5,415.55	18.41	24.16	4.526	1,347.22	-17.43	737.71	695.14	42.58	17.327	
5,600.00	5,541.56	5,514.10	5,513.09	18.86	24.49	4.520	1,348.55	-18.93	720.15	676.81	43.34	16.616	
5,700.00	5,639.75	5,611.66	5,610.63	19.30	24.81	4.522	1,349.99	-20.33	702.71	658.60	44.11	15.931	
5,800.00	5,737.94	5,708.87	5,707.81	19.74	25.13	4.512	1,351.58	-21.87	685.43	640.55	44.88	15.272	
5,900.00	5,836.14	5,806.34	5,805.25	20.19	25.45	4.474	1,353.37	-23.71	668.33	622.68	45.65	14.639	
6,000.00	5,934.33	5,906.65	5,905.53	20.63	25.79	4.436	1,355.13	-25.58	651.16	604.73	46.43	14.026	
6,100.00	6,032.53	6,006.81	6,005.66	21.08	26.12	4.424	1,356.61	-27.14	633.72	586.52	47.20	13.426	
6,200.00	6,130.72	6,106.05	6,104.89	21.53	26.45	4.422	1,357.89	-28.59	616.09	568.12	47.97	12.842	
6,300.00	6,228.92	6,205.13	6,203.95	21.98	26.78	4.415	1,359.03	-30.09	598.33	549.58	48.75	12.274	
6,400.00	6,327.11	6,301.99	6,300.79	22.43	27.10	4.383	1,360.24	-31.79	580.66	531.13	49.53	11.724	
6,500.00	6,425.31	6,400.00	6,398.76	22.88	27.43	4.307	1,361.74	-33.91	563.26	512.94	50.31	11.196	
6,600.00	6,523.50	6,497.82	6,496.54	23.33	27.76	4.214	1,363.33	-36.14	545.95	494.85	51.09	10.685	
6,700.00	6,621.69	6,596.69	6,595.38	23.78	28.09	4.134	1,364.86	-38.23	528.57	476.69	51.88	10.189	
6,800.00	6,719.89	6,695.48	6,694.13	24.23	28.42	4.064	1,366.32	-40.17	511.12	458.46	52.66	9.706	
6,900.00	6,818.08	6,794.24	6,792.87	24.68	28.75	4.001	1,367.72	-42.00	493.61	440.17	53.44	9.236	
7,000.00	6,916.28	6,892.64	6,891.24	25.14	29.09	3.955	1,369.08	-43.66	476.08	421.86	54.23	8.779	
7,100.00	7,014.58	6,991.12	6,989.71	25.57	29.42	3.918	1,370.46	-45.07	459.13	404.14	55.00	8.349	
7,200.00	7,113.41	7,090.23	7,088.80	26.02	29.75	3.862	1,371.84	-46.37	445.31	389.53	55.78	7.983	
7,300.00	7,212.71	7,189.77	7,188.32	26.45	30.09	3.768	1,373.21	-47.75	434.93	378.38	56.54	7.692	
7,400.00	7,312.36	7,289.73	7,288.26	26.85	30.42	3.623	1,374.56	-49.29	427.98	370.71	57.28	7.472	
7,500.00	7,412.24	7,389.87	7,388.37	27.20	30.76	3.409	1,375.85	-51.14	424.47	366.50	57.97	7.322	
7,559.64	7,471.86	7,449.64	7,448.13	27.28	30.96	3.253	1,376.60	-52.36	423.94	365.68	58.26	7.277 CC, ES	
7,600.00	7,512.22	7,490.10	7,488.57	27.34	31.10	-0.038	1,377.10	-53.19	424.37	365.91	58.45	7.260	
7,700.00	7,612.22	7,590.32	7,588.77	27.40	31.44	-0.322	1,378.28	-55.30	425.56	366.70	58.85	7.231	
7,800.00	7,712.22	7,690.39	7,688.81	27.44	31.78	-0.598	1,379.42	-57.37	426.71	367.47	59.24	7.203	
7,900.00	7,812.22	7,790.45	7,788.84	27.49	32.12	-0.849	1,380.55	-59.25	427.86	368.23	59.62	7.176	
8,000.00	7,912.07	7,890.77	7,889.14	27.49	32.46	-91.360	1,381.61	-61.01	429.02	369.04	59.98	7.153	
8,100.00	8,009.86	7,988.80	7,987.16	27.50	32.79	-94.011	1,382.50	-62.68	431.03	370.74	60.29	7.149 SF	
8,200.00	8,102.64	8,081.75	8,080.09	27.52	33.11	-98.170	1,383.21	-64.23	436.35	375.95	60.40	7.224	
8,300.00	8,187.60	8,166.60	8,164.93	27.58	33.40	-102.786	1,383.70	-65.62	448.78	388.66	60.13	7.464	
8,400.00	8,262.15	8,240.44	8,238.76	27.68	33.65	-106.606	1,384.01	-66.84	472.44	413.05	59.40	7.954	
8,500.00	8,324.02	8,300.99	8,299.29	27.87	33.85	-108.480	1,384.21	-67.91	510.24	451.95	58.30	8.752	
8,600.00	8,371.34	8,346.62	8,344.92	28.17	34.01	-107.422	1,384.32	-68.76	562.78	505.70	57.08	9.860	
8,700.00	8,402.67	8,376.01	8,374.30	28.61	34.11	-102.446	1,384.38	-69.34	628.34	572.38	55.96	11.228	
8,800.00	8,417.06	8,388.36	8,386.65	29.17	34.15	-92.641	1,384.40	-69.59	703.67	648.60	55.06	12.779	
8,900.00	8,418.00	8,387.30	8,385.59	29.87	34.15	-88.154	1,384.40	-69.57	785.02	730.63	54.39	14.432	
9,000.00	8,418.00	8,385.31	8,383.60	30.69	34.14	-87.890	1,384.40	-69.53	870.26	816.36	53.91	16.144	
9,100.00	8,418.00	8,383.33	8,381.62	31.63	34.13	-87.628	1,384.39	-69.49	958.36	904.80	53.56	17.894	
9,200.00	8,418.00	8,381.35	8,379.64	32.68	34.13	-87.366	1,384.39	-69.45	1,048.59	995.29	53.30	19.672	
9,300.00	8,418.00	8,379.39	8,377.68	33.82	34.12	-87.106	1,384.39	-69.41	1,140.44	1,087.33	53.12	21.470	
9,400.00	8,418.00	8,377.43	8,375.72	35.04	34.11	-86.847	1,384.38	-69.37	1,233.57	1,180.58	52.99	23.280	
9,500.00	8,418.00	8,375.48	8,373.77	36.35	34.11	-86.589	1,384.38	-69.33	1,327.68	1,274.79	52.89	25.101	
9,600.00	8,418.00	8,373.54	8,371.83	37.72	34.10	-86.332	1,384.38	-69.29	1,422.60	1,369.78	52.83	26.929	
9,700.00	8,418.00	8,371.60	8,369.90	39.15	34.09	-86.077	1,384.37	-69.25	1,518.17	1,465.39	52.78	28.762	
9,800.00	8,418.00	8,369.68	8,367.97	40.64	34.09	-85.822	1,384.37	-69.21	1,614.28	1,561.52	52.76	30.599	
9,900.00	8,418.00	8,367.76	8,366.05	42.18	34.08	-85.569	1,384.37	-69.18	1,710.82	1,658.08	52.74	32.438	
10,000.00	8,418.00	8,365.85	8,364.14	43.76	34.07	-85.317	1,384.36	-69.14	1,807.74	1,755.01	52.74	34.278	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W01) N LUSK 32 STATE 001 - 35747 - (Gyro)													Offset Site Error: 0.00 usft
Survey Program: 0-GYRO-NS													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		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	
10,100.00	8,418.00	8,363.94	8,362.24	45.39	34.07	-85.066	1,384.36	-69.10	1,904.98	1,852.24	52.74	36.119	
10,200.00	8,418.00	8,362.05	8,360.34	47.04	34.06	-84.817	1,384.35	-69.06	2,002.49	1,949.74	52.75	37.960	



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W05) GULF FEDERAL 002 - 26310 - (Inc Only)													Offset Site Error: 0.00 usft	
Survey Program: 200-INC-ONLY		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
14,500.00	8,418.00	8,410.82	8,406.50	130.03	227.31	90.000	-359.89	7,686.45	2,004.77	1,688.93	315.83	6.348		
14,600.00	8,418.00	8,410.82	8,406.50	132.05	227.31	90.000	-359.89	7,686.45	1,931.33	1,610.93	320.40	6.028		
14,700.00	8,418.00	8,410.82	8,406.50	134.08	227.31	90.000	-359.89	7,686.45	1,860.36	1,535.17	325.20	5.721		
14,800.00	8,418.00	8,410.82	8,406.50	136.10	227.31	90.000	-359.89	7,686.45	1,792.17	1,461.94	330.23	5.427		
14,900.00	8,418.00	8,410.82	8,406.50	138.13	227.31	90.000	-359.89	7,686.45	1,727.08	1,391.59	335.49	5.148		
15,000.00	8,418.00	8,410.82	8,406.50	140.16	227.31	90.000	-359.89	7,686.45	1,665.45	1,324.53	340.93	4.885		
15,100.00	8,418.00	8,410.82	8,406.50	142.19	227.31	90.000	-359.89	7,686.45	1,607.69	1,261.18	346.51	4.640		
15,200.00	8,418.00	8,410.82	8,406.50	144.22	227.31	90.000	-359.89	7,686.45	1,554.22	1,202.04	352.18	4.413		
15,300.00	8,418.00	8,410.82	8,406.50	146.25	227.31	90.000	-359.89	7,686.45	1,505.50	1,147.64	357.86	4.207		
15,400.00	8,418.00	8,410.82	8,406.50	148.28	227.31	90.000	-359.89	7,686.45	1,462.00	1,098.57	363.44	4.023		
15,500.00	8,418.00	8,410.82	8,406.50	150.32	227.31	90.000	-359.89	7,686.45	1,424.21	1,055.41	368.80	3.862		
15,600.00	8,418.00	8,410.82	8,406.50	152.35	227.31	90.000	-359.89	7,686.45	1,392.59	1,018.77	373.82	3.725		
15,700.00	8,418.00	8,410.82	8,406.50	154.39	227.31	90.000	-359.89	7,686.45	1,367.57	989.21	378.36	3.614		
15,800.00	8,418.00	8,410.82	8,406.50	156.42	227.31	90.000	-359.89	7,686.45	1,349.51	967.23	382.28	3.530		
15,900.00	8,418.00	8,410.82	8,406.50	158.46	227.31	90.000	-359.89	7,686.45	1,338.69	953.24	385.46	3.473		
15,995.35	8,418.00	8,410.82	8,406.50	160.41	227.31	90.000	-359.89	7,686.45	1,335.29	947.58	387.72	3.444	CC	
16,000.00	8,418.00	8,410.82	8,406.50	160.50	227.31	90.000	-359.89	7,686.45	1,335.30	947.50	387.81	3.443	ES	
16,100.00	8,418.00	8,410.82	8,406.50	162.54	227.31	90.000	-359.89	7,686.45	1,339.39	950.12	389.27	3.441	SF	
16,200.00	8,418.00	8,410.82	8,406.50	164.58	227.31	90.000	-359.89	7,686.45	1,350.88	961.04	389.85	3.465		
16,300.00	8,418.00	8,410.82	8,406.50	166.62	227.31	90.000	-359.89	7,686.45	1,369.60	980.04	389.56	3.516		
16,400.00	8,418.00	8,410.82	8,406.50	168.66	227.31	90.000	-359.89	7,686.45	1,395.26	1,006.76	388.50	3.591		
16,500.00	8,418.00	8,410.82	8,406.50	170.70	227.31	90.000	-359.89	7,686.45	1,427.47	1,040.72	386.75	3.691		
16,600.00	8,418.00	8,410.82	8,406.50	172.75	227.31	90.000	-359.89	7,686.45	1,465.81	1,081.38	384.43	3.813		
16,700.00	8,418.00	8,410.82	8,406.50	174.79	227.31	90.000	-359.89	7,686.45	1,509.81	1,128.15	381.67	3.956		
16,800.00	8,418.00	8,410.82	8,406.50	176.83	227.31	90.000	-359.89	7,686.45	1,558.99	1,180.43	378.56	4.118		
16,900.00	8,418.00	8,410.82	8,406.50	178.88	227.31	90.000	-359.89	7,686.45	1,612.88	1,237.65	375.23	4.298		
17,000.00	8,418.00	8,410.82	8,406.50	180.92	227.31	90.000	-359.89	7,686.45	1,671.02	1,299.27	371.76	4.495		
17,100.00	8,418.00	8,410.82	8,406.50	182.97	227.31	90.000	-359.89	7,686.45	1,732.99	1,364.78	368.21	4.706		
17,200.00	8,418.00	8,410.82	8,406.50	185.02	227.31	90.000	-359.89	7,686.45	1,798.38	1,433.72	364.67	4.932		
17,300.00	8,418.00	8,410.82	8,406.50	187.06	227.31	90.000	-359.89	7,686.45	1,866.84	1,505.69	361.16	5.169		
17,400.00	8,418.00	8,410.82	8,406.50	189.11	227.31	90.000	-359.89	7,686.45	1,938.05	1,580.33	357.72	5.418		
17,500.00	8,418.00	8,410.82	8,406.50	191.16	227.31	90.000	-359.89	7,686.45	2,011.71	1,657.33	354.38	5.677		

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)														Offset Site Error:	0.00 usft
Survey Program: 239-INC-ONLY														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre	+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	-63.359	620.21	-1,236.29	1,383.20						
100.00	100.00	87.50	87.50	0.79	1.79	-63.359	620.21	-1,236.29	1,383.14	1,380.57	2.57	537.891			
200.00	200.00	187.50	187.50	1.45	3.83	-63.359	620.21	-1,236.29	1,383.14	1,377.87	5.27	262.319			
300.00	300.00	287.50	287.50	1.89	5.83	-63.359	620.21	-1,236.29	1,383.14	1,375.42	7.72	179.128			
400.00	400.00	387.50	387.50	2.25	7.79	-63.359	620.21	-1,236.29	1,383.14	1,373.09	10.05	137.672			
500.00	500.00	487.50	487.50	2.57	9.76	-63.359	620.21	-1,236.29	1,383.14	1,370.82	12.32	112.234			
600.00	600.00	587.50	587.50	2.85	11.55	-63.359	620.21	-1,236.29	1,383.14	1,368.74	14.40	96.059			
700.00	700.00	688.19	688.18	3.11	13.29	-63.355	620.30	-1,236.29	1,383.18	1,366.78	16.40	84.351			
800.00	800.00	787.50	787.50	3.35	15.32	-63.359	620.21	-1,236.29	1,383.14	1,364.48	18.66	74.107			
900.00	900.00	887.50	887.50	3.58	17.77	-63.359	620.21	-1,236.29	1,383.14	1,361.79	21.35	64.796			
1,000.00	1,000.00	987.53	987.53	3.79	20.23	-63.349	620.46	-1,236.29	1,383.26	1,359.24	24.02	57.596			
1,100.00	1,100.00	1,088.11	1,088.11	3.99	22.70	-63.351	620.41	-1,236.29	1,383.23	1,356.54	26.69	51.824			
1,200.00	1,200.00	1,188.69	1,188.68	4.19	25.17	-63.356	620.27	-1,236.29	1,383.17	1,353.81	29.36	47.116			
1,298.48	1,298.48	1,285.99	1,285.98	4.38	27.60	-63.359	620.21	-1,236.29	1,383.14	1,351.17	31.97	43.258			
1,300.00	1,300.00	1,287.51	1,287.50	4.38	27.64	-63.359	620.21	-1,236.29	1,383.14	1,351.12	32.02	43.202			
1,400.00	1,400.00	1,387.51	1,387.50	4.56	30.15	-63.359	620.21	-1,236.29	1,383.14	1,348.42	34.72	39.840			
1,500.00	1,500.00	1,487.51	1,487.50	4.74	32.67	-63.359	620.21	-1,236.29	1,383.14	1,345.73	37.41	36.970			
1,600.00	1,600.00	1,587.89	1,587.89	4.91	35.20	-63.348	620.49	-1,236.29	1,383.27	1,343.16	40.11	34.484			
1,700.00	1,700.00	1,688.37	1,688.36	5.08	37.73	-63.352	620.39	-1,236.29	1,383.22	1,340.41	42.81	32.310			
1,800.00	1,800.00	1,788.85	1,788.84	5.24	40.26	-63.358	620.21	-1,236.29	1,383.15	1,337.64	45.51	30.395			
1,836.88	1,836.88	1,824.43	1,824.38	5.30	41.08	-63.359	620.21	-1,236.29	1,383.14	1,336.76	46.38	29.820			
1,900.00	1,900.00	1,887.55	1,887.50	5.40	42.52	-63.359	620.21	-1,236.29	1,383.14	1,335.22	47.92	28.865			
2,000.00	2,000.00	1,987.55	1,987.50	5.56	44.79	-63.359	620.21	-1,236.29	1,383.14	1,332.79	50.35	27.473			
2,100.00	2,099.98	2,088.43	2,088.37	5.80	47.08	-60.219	621.28	-1,236.29	1,382.76	1,329.94	52.81	26.182			
2,200.00	2,199.84	2,190.46	2,190.39	6.05	49.40	-60.471	620.95	-1,236.29	1,380.02	1,324.72	55.30	24.954			
2,300.00	2,299.45	2,292.17	2,292.10	6.31	51.71	-60.898	620.27	-1,236.29	1,375.44	1,317.66	57.79	23.802			
2,400.00	2,398.70	2,386.40	2,386.20	6.59	53.75	-61.428	620.21	-1,236.29	1,369.49	1,309.48	60.01	22.822			
2,500.00	2,497.47	2,485.85	2,485.64	6.89	55.91	-62.087	621.51	-1,236.29	1,362.58	1,300.24	62.33	21.860			
2,600.00	2,595.73	2,589.28	2,589.04	7.09	58.14	-62.901	620.92	-1,236.29	1,353.64	1,288.98	64.67	20.933			
2,700.00	2,693.92	2,681.75	2,681.42	7.36	60.11	-63.594	620.21	-1,236.29	1,344.70	1,277.90	66.80	20.131			
2,800.00	2,792.11	2,779.99	2,779.61	7.65	62.16	-64.310	620.21	-1,236.29	1,336.27	1,267.26	69.01	19.363			
2,900.00	2,890.31	2,878.19	2,877.81	7.95	64.24	-65.034	620.21	-1,236.29	1,328.05	1,256.78	71.27	18.634			
3,000.00	2,988.50	2,979.40	2,979.01	8.27	66.40	-65.761	620.93	-1,236.29	1,320.33	1,246.73	73.59	17.941			
3,100.00	3,086.70	3,074.66	3,074.20	8.61	68.39	-66.509	620.21	-1,236.29	1,312.29	1,236.53	75.76	17.322			
3,200.00	3,184.89	3,172.85	3,172.39	8.95	70.33	-67.260	620.21	-1,236.29	1,304.75	1,226.88	77.86	16.757			
3,300.00	3,283.09	3,273.50	3,273.03	9.31	72.31	-68.014	620.77	-1,236.29	1,297.62	1,217.61	80.02	16.217			
3,400.00	3,381.28	3,369.28	3,368.78	9.67	74.11	-68.785	620.21	-1,236.29	1,290.36	1,208.38	81.99	15.739			
3,500.00	3,479.47	3,467.48	3,466.97	10.04	75.73	-69.560	620.21	-1,236.29	1,283.53	1,199.76	83.77	15.322			
3,600.00	3,577.67	3,567.06	3,566.55	10.42	77.37	-70.340	620.52	-1,236.29	1,277.03	1,191.45	85.58	14.922			
3,700.00	3,675.86	3,663.88	3,663.36	10.81	79.16	-71.133	620.21	-1,236.29	1,270.59	1,183.06	87.53	14.515			
3,800.00	3,774.06	3,762.07	3,761.56	11.20	81.33	-71.931	620.21	-1,236.29	1,264.50	1,174.64	89.86	14.072			
3,900.00	3,872.25	3,860.26	3,859.75	11.60	83.49	-72.736	620.21	-1,236.29	1,258.67	1,166.48	92.18	13.654			
4,000.00	3,970.45	3,958.46	3,957.95	12.01	85.65	-73.548	620.21	-1,236.29	1,253.09	1,158.59	94.50	13.260			
4,100.00	4,068.64	4,056.65	4,056.14	12.41	87.82	-74.367	620.21	-1,236.29	1,247.77	1,150.95	96.82	12.888			
4,200.00	4,166.84	4,154.85	4,154.34	12.83	89.98	-75.193	620.21	-1,236.29	1,242.72	1,143.58	99.14	12.536			
4,300.00	4,265.03	4,253.06	4,252.53	13.24	92.05	-76.025	620.21	-1,236.29	1,237.94	1,136.58	101.35	12.214			
4,400.00	4,363.22	4,351.25	4,350.72	13.66	94.04	-76.863	620.21	-1,236.29	1,233.43	1,129.94	103.48	11.919			
4,500.00	4,461.42	4,449.45	4,448.92	14.08	96.02	-77.707	620.21	-1,236.29	1,229.19	1,123.58	105.61	11.639			
4,600.00	4,559.61	4,547.89	4,547.36	14.50	98.01	-78.518	621.10	-1,236.29	1,225.36	1,117.62	107.74	11.373			
4,700.00	4,657.81	4,646.44	4,645.90	14.93	100.00	-79.387	620.86	-1,236.29	1,221.64	1,111.76	109.88	11.118			
4,800.00	4,756.00	4,744.90	4,744.36	15.36	101.98	-80.270	620.39	-1,236.29	1,218.18	1,106.17	112.00	10.876			
4,900.00	4,854.20	4,842.25	4,841.70	15.79	103.76	-81.134	620.21	-1,236.29	1,215.04	1,101.12	113.92	10.666			

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W08) HULKSTER 001 - 38446 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 239-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			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	
5,000.00	4,952.39	4,940.44	4,939.89	16.22	105.46	-82.002	620.21	-1,236.29	1,212.22	1,096.45	115.77	10.471	
5,100.00	5,050.58	5,038.66	5,038.10	16.66	107.17	-82.862	620.46	-1,236.29	1,209.70	1,092.09	117.61	10.285	
5,200.00	5,148.78	5,136.91	5,136.35	17.10	108.88	-83.740	620.40	-1,236.29	1,207.45	1,087.99	119.46	10.107	
5,300.00	5,246.97	5,235.13	5,234.57	17.53	110.58	-84.626	620.24	-1,236.29	1,205.49	1,084.18	121.31	9.937	
5,400.00	5,345.17	5,333.22	5,332.67	17.97	112.48	-85.507	620.21	-1,236.29	1,203.84	1,080.48	123.35	9.759	
5,500.00	5,443.36	5,431.42	5,430.86	18.41	114.42	-86.389	620.21	-1,236.29	1,202.47	1,077.03	125.44	9.586	
5,600.00	5,541.56	5,529.61	5,529.06	18.86	116.35	-87.274	620.21	-1,236.29	1,201.41	1,073.88	127.53	9.420	
5,700.00	5,639.75	5,627.79	5,627.23	19.30	118.29	-88.146	620.49	-1,236.29	1,200.64	1,071.01	129.63	9.262	
5,800.00	5,737.94	5,725.94	5,725.38	19.74	120.23	-89.037	620.38	-1,236.29	1,200.16	1,068.44	131.73	9.111	
5,900.00	5,836.14	5,824.22	5,823.64	20.19	122.17	-89.932	620.21	-1,236.29	1,200.00	1,066.16	133.84	8.966	
5,907.63	5,843.64	5,831.72	5,831.14	20.22	122.33	-90.000	620.21	-1,236.29	1,200.00	1,065.99	134.01	8.955 CC	
6,000.00	5,934.33	5,922.41	5,921.83	20.63	124.20	-90.819	620.21	-1,236.29	1,200.13	1,064.09	136.04	8.822	
6,100.00	6,032.53	6,020.61	6,020.03	21.08	126.22	-91.706	620.21	-1,236.29	1,200.55	1,062.31	138.24	8.684	
6,200.00	6,130.72	6,118.77	6,118.18	21.53	128.25	-92.548	621.12	-1,236.29	1,201.18	1,060.72	140.46	8.552	
6,300.00	6,228.92	6,216.65	6,216.06	21.98	130.27	-93.436	620.98	-1,236.29	1,202.20	1,059.53	142.67	8.426	
6,400.00	6,327.11	6,314.44	6,313.85	22.43	132.29	-94.333	620.62	-1,236.29	1,203.55	1,058.66	144.89	8.307	
6,500.00	6,425.31	6,413.43	6,412.81	22.88	134.32	-95.239	620.21	-1,236.29	1,205.22	1,058.08	147.14	8.191	
6,600.00	6,523.50	6,511.63	6,511.00	23.33	136.31	-96.117	620.21	-1,236.29	1,207.13	1,057.77	149.36	8.082	
6,700.00	6,621.69	6,609.82	6,609.19	23.78	138.31	-96.993	620.21	-1,236.29	1,209.32	1,057.74	151.58	7.978	
6,800.00	6,719.89	6,707.75	6,707.12	24.23	140.30	-97.823	621.07	-1,236.29	1,211.65	1,057.84	153.81	7.878	
6,900.00	6,818.08	6,805.34	6,804.71	24.68	142.28	-98.697	620.85	-1,236.29	1,214.46	1,058.42	156.04	7.783	
7,000.00	6,916.28	6,902.85	6,902.21	25.14	144.25	-99.576	620.39	-1,236.29	1,217.62	1,059.34	158.28	7.693	
7,100.00	7,014.58	7,002.75	7,002.08	25.57	146.33	-100.469	620.21	-1,236.29	1,220.91	1,060.31	160.60	7.602	
7,200.00	7,113.41	7,101.58	7,100.91	26.02	148.40	-101.219	620.21	-1,236.29	1,223.81	1,060.89	162.92	7.512	
7,300.00	7,212.71	7,200.70	7,200.02	26.45	150.48	-101.764	621.00	-1,236.29	1,225.96	1,060.75	165.21	7.421	
7,400.00	7,312.36	7,299.50	7,298.82	26.85	152.55	-102.181	620.82	-1,236.29	1,227.74	1,060.27	167.47	7.331	
7,500.00	7,412.24	7,398.51	7,397.82	27.20	154.62	-102.441	620.37	-1,236.29	1,228.89	1,059.19	169.69	7.242	
7,600.00	7,512.22	7,500.48	7,499.72	27.34	156.87	-105.697	620.21	-1,236.29	1,229.22	1,057.18	172.04	7.145	
7,700.00	7,612.22	7,600.48	7,599.72	27.40	159.11	-105.697	620.21	-1,236.29	1,229.22	1,054.84	174.38	7.049	
7,783.37	7,695.59	7,683.78	7,683.02	27.44	160.98	-105.634	621.59	-1,236.29	1,228.84	1,052.54	176.30	6.970	
7,800.00	7,712.22	7,700.18	7,699.42	27.44	161.35	-105.635	621.58	-1,236.29	1,228.85	1,052.16	176.68	6.955	
7,900.00	7,812.22	7,798.81	7,798.04	27.49	163.56	-105.648	621.29	-1,236.29	1,228.93	1,049.96	178.97	6.867 ES	
8,000.00	7,912.07	7,897.30	7,896.51	27.49	165.78	-105.648	620.58	-1,236.29	1,232.91	1,051.59	181.32	6.800 SF	
8,100.00	8,009.86	7,998.23	7,997.36	27.50	168.16	-105.648	620.21	-1,236.29	1,252.57	1,068.59	183.98	6.808	
8,200.00	8,102.64	8,091.02	8,090.14	27.52	170.43	-105.648	620.21	-1,236.29	1,288.26	1,101.77	186.49	6.908	
8,300.00	8,187.60	8,175.94	8,175.06	27.58	172.50	-105.648	621.51	-1,236.29	1,338.77	1,150.00	188.77	7.092	
8,400.00	8,262.15	8,249.40	8,248.51	27.68	174.29	-105.648	621.38	-1,236.29	1,403.34	1,212.60	190.73	7.358	
8,500.00	8,324.02	8,310.38	8,309.48	27.87	175.77	-105.648	621.09	-1,236.29	1,479.74	1,287.40	192.35	7.693	
8,600.00	8,371.34	8,357.01	8,356.11	28.17	176.91	-105.648	620.75	-1,236.29	1,565.70	1,372.14	193.56	8.089	
8,700.00	8,402.67	8,387.88	8,386.97	28.61	177.66	-105.648	620.47	-1,236.29	1,658.60	1,464.26	194.33	8.535	
8,800.00	8,417.06	8,402.06	8,401.15	29.17	178.01	-105.648	620.33	-1,236.29	1,755.60	1,560.96	194.65	9.019	
8,900.00	8,418.00	8,402.98	8,402.07	29.87	178.03	-105.648	620.32	-1,236.29	1,853.91	1,659.30	194.61	9.526	
9,000.00	8,418.00	8,402.98	8,402.07	30.69	178.03	-105.648	620.32	-1,236.29	1,952.40	1,757.85	194.55	10.035	
9,100.00	8,418.00	8,402.97	8,402.06	31.63	178.03	-105.648	620.32	-1,236.29	2,051.04	1,856.53	194.51	10.544	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 252-INC-ONLY													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+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	-103.398	-371.03	-1,557.62	1,601.23				
100.00	100.00	90.50	90.50	0.79	1.91	-103.398	-371.03	-1,557.62	1,601.20	1,598.50	2.70	593.459	
200.00	200.00	190.50	190.50	1.45	4.03	-103.398	-371.03	-1,557.62	1,601.20	1,595.73	5.47	292.632	
300.00	300.00	290.50	290.50	1.89	6.09	-103.398	-371.03	-1,557.62	1,601.20	1,593.22	7.98	200.641	
385.99	385.99	376.49	376.49	2.20	7.82	-103.394	-370.90	-1,557.62	1,601.17	1,591.14	10.03	159.717	
400.00	400.00	390.41	390.41	2.25	8.10	-103.394	-370.90	-1,557.62	1,601.17	1,590.81	10.36	154.608	
500.00	500.00	489.75	489.75	2.57	10.11	-103.398	-371.01	-1,557.62	1,601.19	1,588.52	12.67	126.348	
588.46	588.46	578.82	578.78	2.82	11.94	-103.381	-370.53	-1,557.62	1,601.08	1,586.32	14.76	108.493	
600.00	600.00	589.68	589.63	2.85	12.16	-103.381	-370.54	-1,557.62	1,601.09	1,586.07	15.01	106.638	
700.00	700.00	688.36	688.29	3.11	14.17	-103.397	-370.98	-1,557.62	1,601.19	1,583.91	17.27	92.688	
759.91	759.91	750.49	750.41	3.25	15.57	-103.390	-370.79	-1,557.62	1,601.14	1,582.32	18.82	85.062	
800.00	800.00	788.38	788.29	3.35	16.44	-103.394	-370.90	-1,557.62	1,601.17	1,581.38	19.79	80.910	
898.72	898.72	889.31	889.18	3.57	19.05	-103.373	-370.31	-1,557.62	1,601.03	1,578.41	22.63	70.762 CC	
900.00	900.00	890.50	890.37	3.58	19.08	-103.373	-370.31	-1,557.62	1,601.03	1,578.37	22.66	70.655	
1,000.00	1,000.00	990.71	990.50	3.79	21.68	-103.398	-371.03	-1,557.62	1,601.20	1,575.73	25.47	62.862	
1,037.31	1,037.31	1,028.01	1,027.80	3.87	22.55	-103.384	-370.60	-1,557.62	1,601.10	1,574.68	26.42	60.601	
1,100.00	1,100.00	1,090.06	1,089.82	3.99	23.99	-103.398	-371.01	-1,557.62	1,601.19	1,573.21	27.98	57.220	
1,200.00	1,200.00	1,190.74	1,190.50	4.19	26.10	-103.398	-371.03	-1,557.62	1,601.20	1,570.91	30.29	52.856	
1,232.91	1,232.91	1,223.64	1,223.40	4.25	26.79	-103.379	-370.47	-1,557.62	1,601.07	1,570.02	31.05	51.569	
1,300.00	1,300.00	1,289.11	1,288.86	4.38	28.17	-103.384	-370.61	-1,557.62	1,601.10	1,568.55	32.55	49.190	
1,400.00	1,400.00	1,390.77	1,390.50	4.56	30.22	-103.398	-371.03	-1,557.62	1,601.20	1,566.41	34.78	46.032	
1,472.22	1,472.22	1,462.99	1,462.72	4.69	31.58	-103.386	-370.67	-1,557.62	1,601.12	1,564.85	36.27	44.144	
1,500.00	1,500.00	1,490.17	1,489.90	4.74	32.09	-103.387	-370.69	-1,557.62	1,601.12	1,564.29	36.83	43.473	
1,600.00	1,600.00	1,590.78	1,590.50	4.91	34.00	-103.398	-371.03	-1,557.62	1,601.20	1,562.29	38.91	41.150	
1,700.00	1,700.00	1,690.78	1,690.50	5.08	35.98	-103.398	-371.03	-1,557.62	1,601.20	1,560.14	41.06	39.001	
1,738.92	1,738.92	1,729.70	1,729.42	5.14	36.75	-103.387	-370.69	-1,557.62	1,601.12	1,559.23	41.89	38.223	
1,800.00	1,800.00	1,790.16	1,789.87	5.24	37.94	-103.388	-370.74	-1,557.62	1,601.13	1,557.95	43.18	37.077	
1,900.00	1,900.00	1,890.80	1,890.50	5.40	39.94	-103.398	-371.03	-1,557.62	1,601.20	1,555.86	45.34	35.316	
2,000.00	2,000.00	1,990.80	1,990.50	5.56	42.02	-103.398	-371.03	-1,557.62	1,601.20	1,553.62	47.58	33.654	
2,038.69	2,038.69	2,029.45	2,029.14	5.65	42.82	-100.212	-370.57	-1,557.62	1,601.14	1,552.70	48.44	33.052	
2,100.00	2,099.98	2,089.70	2,089.40	5.80	44.08	-100.261	-370.66	-1,557.62	1,601.42	1,551.63	49.79	32.162	
2,200.00	2,199.84	2,190.67	2,190.34	6.05	46.23	-100.440	-371.03	-1,557.62	1,602.45	1,550.36	52.09	30.761	
2,300.00	2,299.45	2,290.29	2,289.95	6.31	48.51	-100.714	-371.03	-1,557.62	1,604.06	1,549.54	54.52	29.421	
2,400.00	2,398.70	2,389.54	2,389.20	6.59	50.77	-101.092	-371.03	-1,557.62	1,606.38	1,549.44	56.94	28.212 ES	
2,500.00	2,497.47	2,487.16	2,486.81	6.89	53.01	-101.532	-370.08	-1,557.62	1,609.25	1,549.93	59.32	27.128	
2,600.00	2,595.73	2,583.89	2,583.53	7.09	55.22	-102.138	-370.52	-1,557.62	1,613.24	1,551.62	61.62	26.181	
2,700.00	2,693.92	2,684.80	2,684.42	7.36	57.51	-102.817	-371.03	-1,557.62	1,617.54	1,553.47	64.07	25.246	
2,800.00	2,792.11	2,782.99	2,782.61	7.65	59.72	-103.457	-371.03	-1,557.62	1,621.91	1,555.47	66.44	24.412	
2,900.00	2,890.31	2,881.19	2,880.81	7.95	61.93	-104.094	-371.03	-1,557.62	1,626.49	1,557.68	68.81	23.637	
3,000.00	2,988.50	2,978.55	2,978.17	8.27	64.12	-104.708	-370.59	-1,557.62	1,631.14	1,559.97	71.17	22.919	
3,100.00	3,086.70	3,075.78	3,075.40	8.61	66.30	-105.340	-370.83	-1,557.62	1,636.21	1,562.68	73.53	22.251	
3,200.00	3,184.89	3,175.83	3,175.39	8.95	68.55	-105.984	-371.03	-1,557.62	1,641.47	1,565.52	75.96	21.611	
3,300.00	3,283.09	3,274.02	3,273.59	9.31	70.74	-106.606	-371.03	-1,557.62	1,646.87	1,568.54	78.34	21.023	
3,400.00	3,381.28	3,372.22	3,371.78	9.67	72.93	-107.225	-371.03	-1,557.62	1,652.47	1,571.75	80.72	20.472	
3,500.00	3,479.47	3,468.03	3,467.57	10.04	75.07	-107.786	-369.85	-1,557.62	1,657.84	1,574.78	83.06	19.960	
3,600.00	3,577.67	3,563.59	3,563.12	10.42	77.21	-108.399	-370.44	-1,557.62	1,664.04	1,578.64	85.39	19.487	
3,700.00	3,675.86	3,666.86	3,666.36	10.81	79.45	-109.054	-371.03	-1,557.62	1,670.43	1,582.58	87.85	19.015	
3,800.00	3,774.06	3,765.06	3,764.56	11.20	81.49	-109.655	-371.03	-1,557.62	1,676.80	1,586.70	90.10	18.610	
3,900.00	3,872.25	3,863.25	3,862.75	11.60	83.54	-110.236	-370.51	-1,557.62	1,683.16	1,590.79	92.37	18.223	
4,000.00	3,970.45	3,960.20	3,959.70	12.01	85.55	-110.824	-370.60	-1,557.62	1,689.93	1,595.33	94.61	17.862	
4,100.00	4,068.64	4,057.09	4,056.59	12.41	87.57	-111.412	-370.86	-1,557.62	1,696.97	1,600.12	96.86	17.520	
4,200.00	4,166.84	4,157.88	4,157.34	12.83	89.68	-112.015	-371.03	-1,557.62	1,704.15	1,604.94	99.21	17.177	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W09) HULKSTER 002 - 38844 - (Inc Only)												Offset Site Error: 0.00 usft
Survey Program: 252-INC-ONLY												Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
4,300.00	4,265.03	4,256.07	4,255.53	13.24	91.76	-112.593	-371.03	-1,557.62	1,711.45	1,609.91	101.54	16.855
4,400.00	4,363.22	4,353.58	4,353.03	13.66	93.82	-113.133	-370.04	-1,557.62	1,718.47	1,614.62	103.85	16.548
4,500.00	4,461.42	4,448.91	4,448.36	14.08	95.84	-113.693	-370.30	-1,557.62	1,726.23	1,620.10	106.12	16.266
4,600.00	4,559.61	4,544.12	4,543.56	14.50	97.85	-114.257	-370.90	-1,557.62	1,734.33	1,625.93	108.40	15.999
4,700.00	4,657.81	4,648.91	4,648.31	14.93	99.88	-114.857	-371.03	-1,557.62	1,742.37	1,631.65	110.71	15.738
4,800.00	4,756.00	4,747.10	4,746.50	15.36	101.80	-115.410	-371.03	-1,557.62	1,750.52	1,637.61	112.91	15.504
4,900.00	4,854.20	4,844.91	4,844.31	15.79	103.71	-115.936	-370.28	-1,557.62	1,758.47	1,643.37	115.10	15.278
5,000.00	4,952.39	4,940.69	4,940.08	16.22	105.59	-116.471	-370.46	-1,557.62	1,767.04	1,649.78	117.26	15.069
5,100.00	5,050.58	5,036.37	5,035.76	16.66	107.46	-117.008	-370.89	-1,557.62	1,775.91	1,656.48	119.42	14.871
5,200.00	5,148.78	5,139.91	5,139.28	17.10	109.57	-117.574	-371.03	-1,557.62	1,784.78	1,662.93	121.84	14.648
5,300.00	5,246.97	5,238.10	5,237.47	17.53	111.59	-118.102	-371.03	-1,557.62	1,793.74	1,669.56	124.17	14.446
5,400.00	5,345.17	5,335.84	5,335.21	17.97	113.60	-118.608	-370.49	-1,557.62	1,802.56	1,676.07	126.50	14.250
5,500.00	5,443.36	5,432.37	5,431.74	18.41	115.59	-119.121	-370.62	-1,557.62	1,811.90	1,683.09	128.80	14.067
5,600.00	5,541.56	5,528.84	5,528.21	18.86	117.58	-119.632	-370.91	-1,557.62	1,821.47	1,690.35	131.12	13.892
5,700.00	5,639.75	5,630.92	5,630.25	19.30	119.80	-120.163	-371.03	-1,557.62	1,831.09	1,697.42	133.67	13.699
5,800.00	5,737.94	5,729.12	5,728.44	19.74	121.98	-120.665	-371.03	-1,557.62	1,840.80	1,704.62	136.18	13.517
5,900.00	5,836.14	5,825.57	5,824.89	20.19	124.12	-121.130	-370.09	-1,557.62	1,850.11	1,711.45	138.66	13.343
6,000.00	5,934.33	5,919.83	5,919.14	20.63	126.22	-121.611	-370.41	-1,557.62	1,860.29	1,719.20	141.09	13.185
6,100.00	6,032.53	6,023.79	6,023.03	21.08	128.51	-122.141	-371.03	-1,557.62	1,870.77	1,727.02	143.75	13.014
6,200.00	6,130.72	6,121.98	6,121.22	21.53	130.64	-122.623	-371.03	-1,557.62	1,881.03	1,734.80	146.23	12.864
6,300.00	6,228.92	6,220.18	6,219.42	21.98	132.76	-123.100	-371.03	-1,557.62	1,891.43	1,742.72	148.71	12.719
6,400.00	6,327.11	6,314.57	6,313.79	22.43	134.80	-123.525	-369.87	-1,557.62	1,901.26	1,750.15	151.10	12.582
6,500.00	6,425.31	6,407.68	6,406.89	22.88	136.81	-123.980	-370.38	-1,557.62	1,912.24	1,758.76	153.48	12.459
6,600.00	6,523.50	6,514.83	6,514.00	23.33	139.10	-124.499	-371.03	-1,557.62	1,923.40	1,767.24	156.15	12.317
6,700.00	6,621.69	6,613.03	6,612.19	23.78	141.14	-124.955	-371.03	-1,557.62	1,934.31	1,775.73	158.57	12.198
6,800.00	6,719.89	6,711.22	6,710.39	24.23	143.18	-125.406	-371.03	-1,557.62	1,945.34	1,784.34	161.00	12.083
6,900.00	6,818.08	6,806.19	6,805.35	24.68	145.16	-125.823	-370.38	-1,557.62	1,956.08	1,792.73	163.35	11.975
7,000.00	6,916.28	6,901.01	6,900.17	25.14	147.13	-126.258	-370.76	-1,557.62	1,967.60	1,801.89	165.71	11.874
7,100.00	7,014.58	7,005.96	7,005.08	25.57	149.32	-126.817	-371.03	-1,557.62	1,978.81	1,810.54	168.27	11.760
7,200.00	7,113.41	7,104.79	7,103.91	26.02	151.38	-127.314	-371.03	-1,557.62	1,988.05	1,817.35	170.70	11.646
7,300.00	7,212.71	7,199.14	7,198.24	26.45	153.34	-127.671	-370.41	-1,557.62	1,994.85	1,821.86	172.99	11.532
7,400.00	7,312.36	7,303.80	7,302.86	26.85	155.54	-127.963	-371.03	-1,557.62	2,000.34	1,824.84	175.50	11.398
7,500.00	7,412.24	7,403.68	7,402.74	27.20	158.02	-128.118	-371.03	-1,557.62	2,003.31	1,825.08	178.22	11.240
7,600.00	7,512.22	7,503.66	7,502.72	27.34	160.50	-131.340	-371.03	-1,557.62	2,004.14	1,823.32	180.82	11.084
7,641.45	7,553.68	7,545.09	7,544.14	27.36	161.53	-131.317	-369.96	-1,557.62	2,003.43	1,821.55	181.87	11.016
7,700.00	7,612.22	7,601.02	7,600.07	27.40	162.91	-131.319	-370.01	-1,557.62	2,003.47	1,820.17	183.30	10.930
7,800.00	7,712.22	7,696.57	7,695.61	27.44	165.28	-131.326	-370.37	-1,557.62	2,003.71	1,817.99	185.72	10.789
7,900.00	7,812.22	7,803.84	7,802.72	27.49	168.01	-131.340	-371.03	-1,557.62	2,004.14	1,815.61	188.52	10.631
7,902.02	7,814.25	7,805.86	7,804.75	27.49	168.07	-138.827	-371.03	-1,557.62	2,004.14	1,815.55	188.59	10.627
8,000.00	7,912.07	7,900.33	7,899.19	27.49	170.92	-138.716	-370.22	-1,557.62	2,006.57	1,815.01	191.55	10.475
8,100.00	8,009.86	8,001.66	8,000.36	27.50	173.97	-138.052	-371.03	-1,557.62	2,022.43	1,827.58	194.85	10.379
8,200.00	8,102.64	8,094.44	8,093.14	27.52	176.78	-136.742	-371.03	-1,557.62	2,050.58	1,852.72	197.86	10.364 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 (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-INC-ONLY							Rule Assigned:						Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	48.592	952.97	1,080.64	1,440.81				
100.00	100.00	97.50	97.50	0.79	3.44	48.592	952.97	1,080.64	1,440.81	1,436.58	4.23	340.623	
200.00	200.00	197.50	197.50	1.45	6.98	48.592	952.97	1,080.64	1,440.81	1,432.39	8.42	171.057	
300.00	300.00	297.50	297.50	1.89	10.51	48.592	952.97	1,080.64	1,440.81	1,428.41	12.40	116.184	
400.00	400.00	397.50	397.50	2.25	14.04	48.592	952.97	1,080.64	1,440.81	1,424.51	16.30	88.416	
500.00	500.00	497.50	497.50	2.57	17.57	48.592	952.97	1,080.64	1,440.81	1,420.67	20.14	71.531	
600.00	600.00	597.51	597.50	2.85	19.78	48.592	952.97	1,080.64	1,440.81	1,418.17	22.63	63.658	
700.00	700.00	698.15	698.14	3.11	21.02	48.583	953.26	1,080.64	1,441.00	1,416.87	24.13	59.715	
800.00	800.00	801.29	801.28	3.35	22.29	48.591	953.02	1,080.64	1,440.85	1,415.21	25.64	56.192	
847.94	847.94	845.45	845.44	3.46	24.13	48.592	952.97	1,080.64	1,440.81	1,413.23	27.58	52.237	
900.00	900.00	897.51	897.50	3.58	26.90	48.592	952.97	1,080.64	1,440.81	1,410.33	30.47	47.280	
1,000.00	1,000.00	997.51	997.50	3.79	32.23	48.592	952.97	1,080.64	1,440.81	1,404.79	36.02	40.005	
1,100.00	1,100.00	1,097.51	1,097.50	3.99	37.55	48.592	952.97	1,080.64	1,440.81	1,399.26	41.55	34.678	
1,200.00	1,200.00	1,197.51	1,197.50	4.19	42.88	48.592	952.97	1,080.64	1,440.81	1,393.74	47.07	30.609	
1,300.00	1,300.00	1,297.51	1,297.50	4.38	48.21	48.592	952.97	1,080.64	1,440.81	1,388.22	52.59	27.398	
1,400.00	1,400.00	1,397.69	1,397.68	4.56	53.55	48.575	953.55	1,080.64	1,441.19	1,383.09	58.11	24.802	
1,500.00	1,500.00	1,498.08	1,498.06	4.74	58.89	48.576	953.51	1,080.64	1,441.17	1,377.53	63.63	22.648	
1,600.00	1,600.00	1,598.47	1,598.45	4.91	64.24	48.578	953.43	1,080.64	1,441.11	1,371.96	69.15	20.839	
1,700.00	1,700.00	1,698.86	1,698.84	5.08	69.59	48.582	953.31	1,080.64	1,441.04	1,366.37	74.67	19.299	
1,800.00	1,800.00	1,799.25	1,799.23	5.24	74.94	48.587	953.15	1,080.64	1,440.93	1,360.75	80.18	17.971	
1,900.00	1,900.00	1,897.58	1,897.50	5.40	79.87	48.592	952.97	1,080.64	1,440.81	1,355.53	85.27	16.896	
2,000.00	2,000.00	1,997.58	1,997.50	5.56	81.17	48.592	952.97	1,080.64	1,440.81	1,354.08	86.73	16.613	
2,100.00	2,099.98	2,097.56	2,097.48	5.80	82.46	51.843	952.97	1,080.64	1,439.73	1,351.52	88.21	16.322	
2,200.00	2,199.84	2,199.23	2,199.13	6.05	83.78	52.030	954.03	1,080.64	1,437.20	1,347.48	89.71	16.020	
2,300.00	2,299.45	2,302.17	2,302.06	6.31	85.11	52.413	953.65	1,080.64	1,431.60	1,340.37	91.24	15.691	
2,400.00	2,398.70	2,404.64	2,404.53	6.59	86.44	52.961	952.91	1,080.64	1,423.71	1,330.95	92.76	15.349	
2,500.00	2,497.47	2,495.13	2,494.97	6.89	87.76	53.576	952.97	1,080.64	1,414.29	1,320.01	94.28	15.001	
2,600.00	2,595.73	2,593.39	2,593.23	7.09	89.19	54.259	952.97	1,080.64	1,403.23	1,307.42	95.82	14.645	
2,700.00	2,693.92	2,692.83	2,692.66	7.36	90.63	54.857	954.05	1,080.64	1,392.81	1,295.37	97.44	14.294	
2,800.00	2,792.11	2,793.99	2,793.81	7.65	92.10	55.521	953.73	1,080.64	1,381.68	1,282.58	99.10	13.943	
2,900.00	2,890.31	2,895.03	2,894.84	7.95	93.56	56.205	953.06	1,080.64	1,370.52	1,269.77	100.75	13.603	
3,000.00	2,988.50	2,986.24	2,986.00	8.27	94.80	56.815	952.97	1,080.64	1,359.87	1,257.68	102.19	13.307	
3,100.00	3,086.70	3,086.31	3,086.06	8.61	96.15	57.472	953.55	1,080.64	1,349.82	1,246.08	103.74	13.012	
3,200.00	3,184.89	3,189.38	3,189.12	8.95	97.54	58.199	952.98	1,080.64	1,339.30	1,233.97	105.33	12.716	
3,300.00	3,283.09	3,280.87	3,280.59	9.31	98.84	58.836	952.97	1,080.64	1,329.25	1,222.43	106.83	12.443	
3,400.00	3,381.28	3,381.53	3,381.24	9.67	100.27	59.529	953.49	1,080.64	1,319.72	1,211.27	108.46	12.168	
3,500.00	3,479.47	3,477.30	3,476.97	10.04	101.64	60.233	952.97	1,080.64	1,309.81	1,199.79	110.02	11.905	
3,600.00	3,577.67	3,575.49	3,575.17	10.42	103.13	60.947	952.97	1,080.64	1,300.39	1,188.69	111.70	11.642	
3,700.00	3,675.86	3,675.56	3,675.22	10.81	104.64	61.661	953.60	1,080.64	1,291.51	1,178.11	113.40	11.389	
3,800.00	3,774.06	3,777.44	3,777.10	11.20	106.17	62.443	953.03	1,080.64	1,282.23	1,167.10	115.13	11.137	
3,900.00	3,872.25	3,870.13	3,869.75	11.60	107.74	63.147	952.97	1,080.64	1,273.41	1,156.52	116.89	10.894	
4,000.00	3,970.45	3,968.59	3,968.21	12.01	109.42	63.873	953.73	1,080.64	1,265.22	1,146.48	118.75	10.655	
4,100.00	4,068.64	4,069.87	4,069.48	12.41	111.15	64.672	953.43	1,080.64	1,256.74	1,136.09	120.65	10.416	
4,200.00	4,166.84	4,164.79	4,164.34	12.83	112.77	65.437	952.97	1,080.64	1,248.42	1,125.96	122.46	10.195	
4,300.00	4,265.03	4,262.99	4,262.53	13.24	114.48	66.220	952.97	1,080.64	1,240.55	1,116.22	124.34	9.977	
4,400.00	4,363.22	4,365.69	4,365.21	13.66	116.27	67.025	953.55	1,080.64	1,233.19	1,106.90	126.29	9.765	
4,500.00	4,461.42	4,459.44	4,458.92	14.08	117.88	67.814	952.97	1,080.64	1,225.55	1,097.49	128.06	9.570	
4,600.00	4,559.61	4,557.64	4,557.11	14.50	119.52	68.625	952.97	1,080.64	1,218.42	1,088.56	129.86	9.382	
4,700.00	4,657.81	4,658.57	4,658.03	14.93	121.22	69.451	953.36	1,080.64	1,211.70	1,080.00	131.70	9.200	
4,800.00	4,756.00	4,754.07	4,753.50	15.36	122.83	70.273	952.97	1,080.64	1,204.92	1,071.45	133.47	9.028	
4,900.00	4,854.20	4,852.27	4,851.70	15.79	124.51	71.111	952.97	1,080.64	1,198.56	1,063.27	135.30	8.859	
5,000.00	4,952.39	4,953.05	4,952.47	16.22	126.24	71.964	953.31	1,080.64	1,192.60	1,055.44	137.16	8.695	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.00	5,050.58	5,048.70	5,048.08	16.66	127.89	72.811	952.97	1,080.64	1,186.65	1,047.70	138.95	8.540	
5,200.00	5,148.78	5,147.15	5,146.53	17.10	129.61	73.649	953.57	1,080.64	1,181.31	1,040.51	140.80	8.390	
5,300.00	5,246.97	5,247.80	5,247.18	17.53	131.36	74.558	953.18	1,080.64	1,175.91	1,033.23	142.68	8.242	
5,400.00	5,345.17	5,343.32	5,342.67	17.97	133.06	75.420	952.97	1,080.64	1,170.85	1,026.35	144.50	8.103	
5,500.00	5,443.36	5,441.69	5,441.03	18.41	134.82	76.274	953.66	1,080.64	1,166.35	1,019.96	146.39	7.967	
5,600.00	5,541.56	5,541.69	5,541.02	18.86	136.61	77.196	953.33	1,080.64	1,161.84	1,013.55	148.30	7.835	
5,700.00	5,639.75	5,637.96	5,637.25	19.30	138.34	78.093	952.97	1,080.64	1,157.62	1,007.47	150.15	7.710	
5,800.00	5,737.94	5,736.19	5,735.48	19.74	140.12	78.967	953.59	1,080.64	1,153.95	1,001.91	152.04	7.590	
5,900.00	5,836.14	5,836.03	5,835.32	20.19	141.92	79.906	953.28	1,080.64	1,150.35	996.38	153.96	7.472	
6,000.00	5,934.33	5,932.58	5,931.83	20.63	143.68	80.819	952.97	1,080.64	1,147.05	991.21	155.84	7.360	
6,100.00	6,032.53	6,030.93	6,030.18	21.08	145.48	81.709	953.59	1,080.64	1,144.25	986.49	157.76	7.253	
6,200.00	6,130.72	6,130.42	6,129.66	21.53	147.30	82.662	953.22	1,080.64	1,141.56	981.86	159.71	7.148	
6,300.00	6,228.92	6,227.21	6,226.42	21.98	149.09	83.587	952.97	1,080.64	1,139.21	977.59	161.62	7.049	
6,400.00	6,327.11	6,325.56	6,324.76	22.43	150.92	84.488	953.61	1,080.64	1,137.31	973.73	163.57	6.953	
6,500.00	6,425.31	6,424.67	6,423.86	22.88	152.76	85.448	953.23	1,080.64	1,135.56	970.02	165.55	6.860	
6,600.00	6,523.50	6,521.84	6,521.00	23.33	154.57	86.386	952.97	1,080.64	1,134.16	966.66	167.50	6.771	
6,700.00	6,621.69	6,620.17	6,619.33	23.78	156.42	87.295	953.58	1,080.64	1,133.16	963.68	169.49	6.686	
6,800.00	6,719.89	6,718.96	6,718.11	24.23	158.27	88.260	953.16	1,080.64	1,132.38	960.89	171.49	6.603	
6,900.00	6,818.08	6,816.46	6,815.58	24.68	160.10	89.203	952.97	1,080.64	1,131.93	958.46	173.48	6.525	
6,992.34	6,908.76	6,907.33	6,906.44	25.10	161.81	90.049	953.44	1,080.64	1,131.85	956.51	175.34	6.455	
7,000.00	6,916.28	6,914.88	6,913.99	25.14	161.95	90.123	953.42	1,080.64	1,131.85	956.35	175.49	6.449	
7,100.00	7,014.58	7,012.99	7,012.08	25.57	163.80	91.059	952.97	1,080.64	1,132.02	954.53	177.49	6.378	
7,200.00	7,113.41	7,111.82	7,110.91	26.02	165.70	91.828	952.97	1,080.64	1,132.41	952.86	179.55	6.307	
7,300.00	7,212.71	7,211.19	7,210.26	26.45	167.60	92.399	953.54	1,080.64	1,132.85	951.25	181.60	6.238	
7,400.00	7,312.36	7,310.82	7,309.86	26.85	169.51	92.852	952.97	1,080.64	1,133.23	949.58	183.64	6.171	
7,500.00	7,412.24	7,410.70	7,409.74	27.20	171.43	93.099	952.97	1,080.64	1,133.48	947.80	185.68	6.105	
7,600.00	7,512.22	7,510.70	7,509.73	27.34	173.35	89.962	953.52	1,080.64	1,133.55	945.87	187.68	6.040	
7,700.00	7,612.22	7,610.73	7,609.72	27.40	175.30	89.990	952.97	1,080.64	1,133.55	943.82	189.73	5.974	
7,800.00	7,712.22	7,710.73	7,709.72	27.44	177.44	89.966	953.43	1,080.64	1,133.55	941.60	191.95	5.905	
7,900.00	7,812.22	7,810.76	7,809.74	27.49	179.59	89.989	952.98	1,080.64	1,133.55	939.38	194.17	5.838	
8,000.00	7,912.07	7,910.64	7,909.57	27.49	181.75	0.159	952.97	1,080.64	1,129.62	933.20	196.41	5.751	
8,100.00	8,009.86	8,008.48	8,007.38	27.50	183.87	0.126	953.74	1,080.64	1,109.33	910.67	198.67	5.584	
8,200.00	8,102.64	8,101.30	8,100.14	27.52	185.83	0.186	952.97	1,080.64	1,072.38	871.61	200.77	5.341	
8,300.00	8,187.60	8,186.25	8,185.10	27.58	187.49	0.218	952.97	1,080.64	1,019.87	817.30	202.57	5.035	
8,400.00	8,262.15	8,260.81	8,259.65	27.68	188.94	0.226	953.50	1,080.64	953.41	749.25	204.16	4.670	
8,500.00	8,324.02	8,322.70	8,321.53	27.87	190.15	0.344	953.20	1,080.64	875.01	669.52	205.49	4.258	
8,600.00	8,371.34	8,370.04	8,368.84	28.17	191.06	0.573	952.97	1,080.64	787.06	580.57	206.49	3.812	
8,700.00	8,402.67	8,401.37	8,400.17	28.61	191.62	1.120	952.97	1,080.64	692.23	485.10	207.12	3.342	
8,800.00	8,417.06	8,415.75	8,414.56	29.17	191.89	5.229	952.97	1,080.64	593.40	385.98	207.42	2.861	
8,900.00	8,418.00	8,416.69	8,415.50	29.87	191.90	90.000	952.97	1,080.64	493.42	285.96	207.46	2.378	
9,000.00	8,418.00	8,416.69	8,415.50	30.69	191.90	90.000	952.97	1,080.64	393.42	185.95	207.47	1.896 Level 3	
9,100.00	8,418.00	8,416.69	8,415.50	31.63	191.90	90.000	952.97	1,080.64	293.42	85.94	207.48	1.414 Level 3	
9,200.00	8,418.00	8,416.69	8,415.50	32.68	191.90	90.000	952.97	1,080.64	193.43	-14.07	207.50	0.932 Level 3	
9,300.00	8,418.00	8,416.69	8,415.50	33.82	191.90	90.000	952.97	1,080.64	93.46	-114.06	207.52	0.450 Level 3	
9,393.40	8,418.00	8,416.69	8,415.50	34.96	191.90	90.000	952.97	1,080.64	3.11	-223.75	226.86	0.014 Level 3, CC, ES, SF	
9,400.00	8,418.00	8,416.69	8,415.50	35.04	191.90	90.000	952.97	1,080.64	7.29	-205.57	212.85	0.034 Level 3	
9,500.00	8,418.00	8,416.69	8,415.50	36.35	191.90	90.000	952.97	1,080.64	106.64	-101.01	207.64	0.514 Level 3	
9,600.00	8,418.00	8,416.69	8,415.50	37.72	191.90	90.000	952.97	1,080.64	206.61	-1.02	207.63	0.995 Level 3	
9,700.00	8,418.00	8,416.69	8,415.50	39.15	191.90	90.000	952.97	1,080.64	306.61	98.96	207.65	1.477 Level 3	
9,800.00	8,418.00	8,416.69	8,415.50	40.64	191.90	90.000	952.97	1,080.64	406.60	198.93	207.67	1.958 Level 3	
9,900.00	8,418.00	8,416.69	8,415.50	42.18	191.90	90.000	952.97	1,080.64	506.60	298.90	207.70	2.439	
10,000.00	8,418.00	8,416.69	8,415.50	43.76	191.90	90.000	952.97	1,080.64	606.60	398.87	207.73	2.920	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W10) HULKSTER 003 - 39570 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 540-INC-ONLY							Rule Assigned:						Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	8,418.00	8,416.69	8,415.50	45.39	191.90	90.000	952.97	1,080.64	706.60	498.83	207.77	3.401	
10,200.00	8,418.00	8,416.69	8,415.50	47.04	191.90	90.000	952.97	1,080.64	806.60	598.80	207.80	3.882	
10,300.00	8,418.00	8,416.69	8,415.50	48.73	191.90	90.000	952.97	1,080.64	906.60	698.76	207.84	4.362	
10,400.00	8,418.00	8,416.69	8,415.50	50.45	191.90	90.000	952.97	1,080.64	1,006.60	798.72	207.88	4.842	
10,500.00	8,418.00	8,416.69	8,415.50	52.19	191.90	90.000	952.97	1,080.64	1,106.60	898.68	207.92	5.322	
10,600.00	8,418.00	8,416.69	8,415.50	53.96	191.90	90.000	952.97	1,080.64	1,206.60	998.63	207.96	5.802	
10,700.00	8,418.00	8,416.69	8,415.50	55.75	191.90	90.000	952.97	1,080.64	1,306.60	1,098.59	208.01	6.281	
10,800.00	8,418.00	8,416.69	8,415.50	57.55	191.90	90.000	952.97	1,080.64	1,406.60	1,198.54	208.05	6.761	
10,900.00	8,418.00	8,416.69	8,415.50	59.38	191.90	90.000	952.97	1,080.64	1,506.59	1,298.49	208.10	7.240	
11,000.00	8,418.00	8,416.69	8,415.50	61.21	191.90	90.000	952.97	1,080.64	1,606.59	1,398.44	208.15	7.718	
11,100.00	8,418.00	8,416.69	8,415.50	63.07	191.90	90.000	952.97	1,080.64	1,706.59	1,498.39	208.20	8.197	
11,200.00	8,418.00	8,416.69	8,415.50	64.93	191.90	90.000	952.97	1,080.64	1,806.59	1,598.34	208.26	8.675	
11,300.00	8,418.00	8,416.69	8,415.50	66.81	191.90	90.000	952.97	1,080.64	1,906.59	1,698.28	208.31	9.153	
11,400.00	8,418.00	8,416.69	8,415.50	68.70	191.90	90.000	952.97	1,080.64	2,006.59	1,798.23	208.37	9.630	

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W11) HULKSTER 004 - 39571 - (Inc Only)													Offset Site Error: 0.00 usft	
Survey Program: 275-INC-ONLY		Offset		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	
8,700.00	8,402.67	8,411.58	8,409.17	28.61	198.45	0.558	955.43	2,399.27	2,010.86	1,796.91	213.95	9.399		
8,800.00	8,417.06	8,425.97	8,423.56	29.17	198.87	2.356	955.43	2,399.27	1,912.03	1,697.62	214.41	8.918		
8,900.00	8,418.00	8,426.91	8,424.50	29.87	198.89	90.000	955.43	2,399.27	1,812.05	1,597.60	214.45	8.450		
9,000.00	8,418.00	8,426.91	8,424.50	30.69	198.89	90.000	955.43	2,399.27	1,712.05	1,497.58	214.47	7.983		
9,100.00	8,418.00	8,426.91	8,424.50	31.63	198.89	90.000	955.43	2,399.27	1,612.05	1,397.57	214.48	7.516		
9,200.00	8,418.00	8,426.91	8,424.50	32.68	198.89	90.000	955.43	2,399.27	1,512.05	1,297.55	214.50	7.049		
9,300.00	8,418.00	8,426.91	8,424.50	33.82	198.89	90.000	955.43	2,399.27	1,412.05	1,197.53	214.52	6.582		
9,400.00	8,418.00	8,426.91	8,424.50	35.04	198.89	90.000	955.43	2,399.27	1,312.05	1,097.51	214.54	6.116		
9,500.00	8,418.00	8,426.91	8,424.50	36.35	198.89	90.000	955.43	2,399.27	1,212.05	997.48	214.57	5.649		
9,600.00	8,418.00	8,426.91	8,424.50	37.72	198.89	90.000	955.43	2,399.27	1,112.05	897.46	214.59	5.182		
9,700.00	8,418.00	8,426.91	8,424.50	39.15	198.89	90.000	955.43	2,399.27	1,012.05	797.43	214.62	4.715		
9,800.00	8,418.00	8,426.91	8,424.50	40.64	198.89	90.000	955.43	2,399.27	912.05	697.40	214.65	4.249		
9,900.00	8,418.00	8,426.91	8,424.50	42.18	198.89	90.000	955.43	2,399.27	812.06	597.37	214.69	3.783		
10,000.00	8,418.00	8,426.91	8,424.50	43.76	198.89	90.000	955.43	2,399.27	712.06	497.34	214.72	3.316		
10,100.00	8,418.00	8,426.91	8,424.50	45.39	198.89	90.000	955.43	2,399.27	612.06	397.30	214.76	2.850		
10,200.00	8,418.00	8,426.91	8,424.50	47.04	198.89	90.000	955.43	2,399.27	512.06	297.27	214.80	2.384		
10,300.00	8,418.00	8,426.91	8,424.50	48.73	198.89	90.000	955.43	2,399.27	412.07	197.23	214.84	1.918 Level 3		
10,400.00	8,418.00	8,426.91	8,424.50	50.45	198.89	90.000	955.43	2,399.27	312.08	97.18	214.89	1.452 Level 3		
10,500.00	8,418.00	8,426.91	8,424.50	52.19	198.89	90.000	955.43	2,399.27	212.09	-2.87	214.96	0.987 Level 3		
10,600.00	8,418.00	8,426.91	8,424.50	53.96	198.89	90.000	955.43	2,399.27	112.13	-103.00	215.13	0.521 Level 3		
10,700.00	8,418.00	8,426.91	8,424.50	55.75	198.89	90.000	955.43	2,399.27	12.86	-210.98	223.84	0.057 Level 3		
10,712.04	8,418.00	8,426.91	8,424.50	55.96	198.89	90.000	955.43	2,399.27	4.50	-250.35	254.85	0.018 Level 3, CC, ES, SF		
10,800.00	8,418.00	8,426.91	8,424.50	57.55	198.89	90.000	955.43	2,399.27	88.07	-127.14	215.21	0.409 Level 3		
10,900.00	8,418.00	8,426.91	8,424.50	59.38	198.89	90.000	955.43	2,399.27	188.01	-27.10	215.11	0.874 Level 3		
11,000.00	8,418.00	8,426.91	8,424.50	61.21	198.89	90.000	955.43	2,399.27	287.99	72.85	215.14	1.339 Level 3		
11,100.00	8,418.00	8,426.91	8,424.50	63.07	198.89	90.000	955.43	2,399.27	387.98	172.80	215.19	1.803 Level 3		
11,200.00	8,418.00	8,426.91	8,424.50	64.93	198.89	90.000	955.43	2,399.27	487.98	272.74	215.24	2.267		
11,300.00	8,418.00	8,426.91	8,424.50	66.81	198.89	90.000	955.43	2,399.27	587.97	372.68	215.29	2.731		
11,400.00	8,418.00	8,426.91	8,424.50	68.70	198.89	90.000	955.43	2,399.27	687.97	472.63	215.35	3.195		
11,500.00	8,418.00	8,426.91	8,424.50	70.60	198.89	90.000	955.43	2,399.27	787.97	572.57	215.40	3.658		
11,600.00	8,418.00	8,426.91	8,424.50	72.51	198.89	90.000	955.43	2,399.27	887.97	672.50	215.46	4.121		
11,700.00	8,418.00	8,426.91	8,424.50	74.43	198.89	90.000	955.43	2,399.27	987.97	772.44	215.53	4.584		
11,800.00	8,418.00	8,426.91	8,424.50	76.35	198.89	90.000	955.43	2,399.27	1,087.97	872.38	215.59	5.047		
11,900.00	8,418.00	8,426.91	8,424.50	78.29	198.89	90.000	955.43	2,399.27	1,187.97	972.31	215.65	5.509		
12,000.00	8,418.00	8,426.91	8,424.50	80.23	198.89	90.000	955.43	2,399.27	1,287.97	1,072.25	215.72	5.971		
12,100.00	8,418.00	8,426.91	8,424.50	82.17	198.89	90.000	955.43	2,399.27	1,387.96	1,172.18	215.78	6.432		
12,200.00	8,418.00	8,426.91	8,424.50	84.12	198.89	90.000	955.43	2,399.27	1,487.96	1,272.11	215.85	6.893		
12,300.00	8,418.00	8,426.91	8,424.50	86.08	198.89	90.000	955.43	2,399.27	1,587.96	1,372.04	215.92	7.354		
12,400.00	8,418.00	8,426.91	8,424.50	88.04	198.89	90.000	955.43	2,399.27	1,687.96	1,471.97	215.99	7.815		
12,500.00	8,418.00	8,426.91	8,424.50	90.01	198.89	90.000	955.43	2,399.27	1,787.96	1,571.90	216.07	8.275		
12,600.00	8,418.00	8,426.91	8,424.50	91.98	198.89	90.000	955.43	2,399.27	1,887.96	1,671.82	216.14	8.735		
12,700.00	8,418.00	8,426.91	8,424.50	93.96	198.89	90.000	955.43	2,399.27	1,987.96	1,771.75	216.22	9.194		

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W12) HULKSTER 005 - 39572 - (Inc Only)												Offset Site Error:	0.00 usft		
Survey Program: 235-INC-ONLY				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Reference		Offset		Reference	Major Offset	Highside Toolface			Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
9,200.00	8,418.00	8,404.40	8,403.43	32.68	180.04	89.564	-364.22	2,408.59	2,014.04	1,810.08	203.97	9.874			
9,300.00	8,418.00	8,404.40	8,403.43	33.82	180.04	89.564	-364.22	2,408.59	1,939.81	1,734.50	205.31	9.448			
9,400.00	8,418.00	8,404.40	8,403.43	35.04	180.04	89.564	-364.22	2,408.59	1,867.99	1,661.17	206.82	9.032			
9,500.00	8,418.00	8,404.40	8,403.43	36.35	180.04	89.564	-364.22	2,408.59	1,798.85	1,590.36	208.49	8.628			
9,600.00	8,418.00	8,404.39	8,403.43	37.72	180.04	89.564	-364.22	2,408.59	1,732.73	1,522.41	210.32	8.238			
9,700.00	8,418.00	8,404.39	8,403.42	39.15	180.04	89.564	-364.22	2,408.59	1,669.99	1,457.67	212.32	7.865			
9,800.00	8,418.00	8,404.39	8,403.42	40.64	180.04	89.564	-364.22	2,408.59	1,611.01	1,396.54	214.47	7.511			
9,900.00	8,418.00	8,404.39	8,403.42	42.18	180.04	89.564	-364.22	2,408.59	1,556.23	1,339.47	216.77	7.179			
10,000.00	8,418.00	8,404.38	8,403.42	43.76	180.04	89.564	-364.22	2,408.59	1,506.11	1,286.94	219.17	6.872			
10,100.00	8,418.00	8,404.38	8,403.41	45.39	180.04	89.564	-364.22	2,408.59	1,461.12	1,239.45	221.66	6.592			
10,200.00	8,418.00	8,404.38	8,403.41	47.04	180.04	89.564	-364.22	2,408.59	1,421.75	1,197.54	224.20	6.341			
10,300.00	8,418.00	8,404.38	8,403.41	48.73	180.04	89.563	-364.22	2,408.59	1,388.47	1,161.74	226.74	6.124			
10,400.00	8,418.00	8,404.38	8,403.41	50.45	180.04	89.563	-364.22	2,408.59	1,361.75	1,132.54	229.21	5.941			
10,500.00	8,418.00	8,404.37	8,403.41	52.19	180.04	89.563	-364.22	2,408.59	1,341.96	1,110.39	231.57	5.795			
10,600.00	8,418.00	8,404.37	8,403.40	53.96	180.04	89.563	-364.22	2,408.59	1,329.42	1,095.67	233.75	5.687			
10,700.00	8,418.00	8,404.37	8,403.40	55.75	180.04	89.563	-364.22	2,408.59	1,324.33	1,088.63	235.70	5.619			
10,717.50	8,418.00	8,404.37	8,403.40	56.06	180.04	89.563	-364.22	2,408.59	1,324.22	1,088.20	236.02	5.611	CC, ES		
10,800.00	8,418.00	8,404.37	8,403.40	57.55	180.04	89.563	-364.22	2,408.59	1,326.78	1,089.40	237.38	5.589	SF		
10,900.00	8,418.00	8,404.37	8,403.40	59.38	180.04	89.563	-364.22	2,408.59	1,336.73	1,097.98	238.76	5.599			
11,000.00	8,418.00	8,404.36	8,403.40	61.21	180.04	89.563	-364.22	2,408.59	1,354.01	1,114.20	239.82	5.646			
11,100.00	8,418.00	8,404.36	8,403.39	63.07	180.04	89.563	-364.22	2,408.59	1,378.35	1,137.78	240.57	5.729			
11,200.00	8,418.00	8,404.36	8,403.39	64.93	180.04	89.563	-364.22	2,408.59	1,409.38	1,168.34	241.04	5.847			
11,300.00	8,418.00	8,404.36	8,403.39	66.81	180.04	89.563	-364.22	2,408.59	1,446.67	1,205.43	241.24	5.997			
11,400.00	8,418.00	8,404.35	8,403.39	68.70	180.04	89.562	-364.22	2,408.59	1,489.75	1,248.53	241.22	6.176			
11,500.00	8,418.00	8,404.35	8,403.38	70.60	180.04	89.562	-364.22	2,408.59	1,538.13	1,297.13	241.00	6.382			
11,600.00	8,418.00	8,404.35	8,403.38	72.51	180.04	89.562	-364.22	2,408.59	1,591.33	1,350.70	240.64	6.613			
11,700.00	8,418.00	8,404.35	8,403.38	74.43	180.04	89.562	-364.22	2,408.59	1,648.89	1,408.74	240.15	6.866			
11,800.00	8,418.00	8,404.35	8,403.38	76.35	180.04	89.562	-364.22	2,408.59	1,710.36	1,470.78	239.58	7.139			
11,900.00	8,418.00	8,404.34	8,403.38	78.29	180.04	89.562	-364.22	2,408.59	1,775.34	1,536.40	238.94	7.430			
12,000.00	8,418.00	8,404.34	8,403.37	80.23	180.04	89.562	-364.22	2,408.59	1,843.46	1,605.19	238.27	7.737			
12,100.00	8,418.00	8,404.34	8,403.37	82.17	180.04	89.562	-364.22	2,408.59	1,914.38	1,676.81	237.57	8.058			
12,200.00	8,418.00	8,404.34	8,403.37	84.12	180.04	89.562	-364.22	2,408.59	1,987.80	1,750.94	236.85	8.393			
12,300.00	8,418.00	8,404.34	8,403.37	86.08	180.04	89.562	-364.22	2,408.59	2,063.45	1,827.31	236.14	8.738			

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	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)			
13,100.00	8,418.00	8,411.19	8,409.50	101.90	188.60	90.000	-554.35	6,155.00	2,045.76	1,779.67	266.08	7.688	
13,200.00	8,418.00	8,411.19	8,409.50	103.89	188.60	90.000	-554.35	6,155.00	1,980.52	1,710.53	269.99	7.335	
13,300.00	8,418.00	8,411.19	8,409.50	105.89	188.60	90.000	-554.35	6,155.00	1,918.28	1,644.23	274.05	7.000	
13,400.00	8,418.00	8,411.19	8,409.50	107.89	188.60	90.000	-554.35	6,155.00	1,859.33	1,581.10	278.23	6.683	
13,500.00	8,418.00	8,411.19	8,409.50	109.89	188.60	90.000	-554.35	6,155.00	1,804.01	1,521.49	282.52	6.386	
13,600.00	8,418.00	8,411.19	8,409.50	111.90	188.60	90.000	-554.35	6,155.00	1,752.65	1,465.79	286.86	6.110	
13,700.00	8,418.00	8,411.19	8,409.50	113.90	188.60	90.000	-554.35	6,155.00	1,705.61	1,414.40	291.22	5.857	
13,800.00	8,418.00	8,411.19	8,409.50	115.91	188.60	90.000	-554.35	6,155.00	1,663.26	1,367.73	295.53	5.628	
13,900.00	8,418.00	8,411.19	8,409.50	117.92	188.60	90.000	-554.35	6,155.00	1,625.97	1,326.23	299.74	5.425	
14,000.00	8,418.00	8,411.19	8,409.50	119.94	188.60	90.000	-554.35	6,155.00	1,594.09	1,290.32	303.77	5.248	
14,100.00	8,418.00	8,411.19	8,409.50	121.95	188.60	90.000	-554.35	6,155.00	1,567.94	1,260.40	307.54	5.098	
14,200.00	8,418.00	8,411.19	8,409.50	123.97	188.60	90.000	-554.35	6,155.00	1,547.83	1,236.86	310.97	4.977	
14,300.00	8,418.00	8,411.19	8,409.50	125.99	188.60	90.000	-554.35	6,155.00	1,533.99	1,220.00	313.99	4.885	
14,400.00	8,418.00	8,411.19	8,409.50	128.01	188.60	90.000	-554.35	6,155.00	1,526.58	1,210.05	316.53	4.823	
14,463.34	8,418.00	8,411.19	8,409.50	129.29	188.60	90.000	-554.35	6,155.00	1,525.27	1,207.39	317.88	4.798 CC	
14,500.00	8,418.00	8,411.19	8,409.50	130.03	188.60	90.000	-554.35	6,155.00	1,525.71	1,207.15	318.56	4.789 ES	
14,600.00	8,418.00	8,411.19	8,409.50	132.05	188.60	90.000	-554.35	6,155.00	1,531.38	1,211.34	320.03	4.785 SF	
14,700.00	8,418.00	8,411.19	8,409.50	134.08	188.60	90.000	-554.35	6,155.00	1,543.52	1,222.57	320.95	4.809	
14,800.00	8,418.00	8,411.19	8,409.50	136.10	188.60	90.000	-554.35	6,155.00	1,561.98	1,240.65	321.33	4.861	
14,900.00	8,418.00	8,411.19	8,409.50	138.13	188.60	90.000	-554.35	6,155.00	1,586.54	1,265.35	321.19	4.940	
15,000.00	8,418.00	8,411.19	8,409.50	140.16	188.60	90.000	-554.35	6,155.00	1,616.92	1,296.33	320.60	5.043	
15,100.00	8,418.00	8,411.19	8,409.50	142.19	188.60	90.000	-554.35	6,155.00	1,652.81	1,333.21	319.60	5.172	
15,200.00	8,418.00	8,411.19	8,409.50	144.22	188.60	90.000	-554.35	6,155.00	1,693.84	1,375.59	318.26	5.322	
15,300.00	8,418.00	8,411.19	8,409.50	146.25	188.60	90.000	-554.35	6,155.00	1,739.67	1,423.03	316.63	5.494	
15,400.00	8,418.00	8,411.19	8,409.50	148.28	188.60	90.000	-554.35	6,155.00	1,789.91	1,475.12	314.79	5.686	
15,500.00	8,418.00	8,411.19	8,409.50	150.32	188.60	90.000	-554.35	6,155.00	1,844.21	1,531.42	312.79	5.896	
15,600.00	8,418.00	8,411.19	8,409.50	152.35	188.60	90.000	-554.35	6,155.00	1,902.22	1,591.55	310.67	6.123	
15,700.00	8,418.00	8,411.19	8,409.50	154.39	188.60	90.000	-554.35	6,155.00	1,963.61	1,655.14	308.47	6.366	
15,800.00	8,418.00	8,411.19	8,409.50	156.42	188.60	90.000	-554.35	6,155.00	2,028.08	1,721.84	306.24	6.622	

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 229-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		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	147.007	-1,685.42	1,094.25	2,009.50				
100.00	100.00	91.50	91.50	0.79	1.89	147.007	-1,685.42	1,094.25	2,009.48	2,006.81	2.68	750.607	
200.00	200.00	191.50	191.50	1.45	3.96	147.007	-1,685.42	1,094.25	2,009.48	2,004.08	5.40	371.795	
300.00	300.00	291.51	291.50	1.89	5.93	147.007	-1,685.42	1,094.25	2,009.48	2,001.66	7.82	256.898	
339.21	339.21	330.60	330.59	2.03	6.68	147.002	-1,685.09	1,094.25	2,009.21	2,000.49	8.71	230.616	
400.00	400.00	385.38	385.37	2.25	7.73	147.003	-1,685.19	1,094.25	2,009.30	1,999.32	9.98	201.312	
500.00	500.00	491.52	491.50	2.57	10.28	147.007	-1,685.42	1,094.25	2,009.48	1,996.64	12.84	156.441	
600.00	600.00	591.52	591.50	2.85	13.03	147.007	-1,685.42	1,094.25	2,009.48	1,993.60	15.88	126.514	
683.33	683.33	674.74	674.72	3.07	15.33	146.998	-1,684.90	1,094.25	2,009.04	1,990.65	18.39	109.229 CC	
700.00	700.00	690.91	690.89	3.11	15.77	146.999	-1,684.90	1,094.25	2,009.04	1,990.16	18.88	106.401	
800.00	800.00	787.96	787.93	3.35	18.45	147.000	-1,685.02	1,094.25	2,009.15	1,987.35	21.80	92.173	
900.00	900.00	885.00	884.98	3.58	21.12	147.005	-1,685.31	1,094.25	2,009.40	1,984.70	24.70	81.356	
1,000.00	1,000.00	991.53	991.50	3.79	23.58	147.007	-1,685.42	1,094.25	2,009.48	1,982.11	27.37	73.412	
1,100.00	1,100.00	1,091.53	1,091.50	3.99	25.74	147.007	-1,685.42	1,094.25	2,009.48	1,979.75	29.73	67.582	
1,172.85	1,172.85	1,164.33	1,164.30	4.14	27.31	147.002	-1,685.15	1,094.25	2,009.26	1,977.81	31.45	63.894	
1,200.00	1,200.00	1,191.08	1,191.05	4.19	27.89	147.003	-1,685.15	1,094.25	2,009.26	1,977.18	32.08	62.639	
1,300.00	1,300.00	1,289.62	1,289.59	4.38	30.01	147.004	-1,685.22	1,094.25	2,009.32	1,974.93	34.39	58.426	
1,400.00	1,400.00	1,388.16	1,388.13	4.56	32.14	147.006	-1,685.38	1,094.25	2,009.45	1,972.75	36.70	54.756	
1,500.00	1,500.00	1,491.53	1,491.50	4.74	34.28	147.007	-1,685.42	1,094.25	2,009.48	1,970.47	39.02	51.505	
1,600.00	1,600.00	1,591.53	1,591.50	4.91	36.32	147.007	-1,685.42	1,094.25	2,009.48	1,968.25	41.24	48.732	
1,666.00	1,666.00	1,657.53	1,657.50	5.02	37.68	147.002	-1,685.15	1,094.25	2,009.26	1,966.56	42.70	47.058	
1,700.00	1,700.00	1,691.04	1,691.00	5.08	38.36	147.003	-1,685.16	1,094.25	2,009.26	1,965.82	43.44	46.253	
1,800.00	1,800.00	1,789.58	1,789.55	5.24	40.38	147.004	-1,685.23	1,094.25	2,009.32	1,963.70	45.62	44.042	
1,900.00	1,900.00	1,888.12	1,888.09	5.40	42.40	147.006	-1,685.38	1,094.25	2,009.45	1,961.65	47.80	42.038	
2,000.00	2,000.00	1,991.55	1,991.50	5.56	44.59	147.007	-1,685.42	1,094.25	2,009.48	1,959.33	50.15	40.071	
2,100.00	2,099.98	2,091.53	2,091.48	5.80	46.72	150.195	-1,685.42	1,094.25	2,011.00	1,958.50	52.50	38.304 ES	
2,200.00	2,199.84	2,190.51	2,190.45	6.05	48.83	150.210	-1,684.56	1,094.25	2,014.82	1,959.98	54.84	36.742	
2,300.00	2,299.45	2,286.09	2,286.03	6.31	50.87	150.253	-1,684.73	1,094.25	2,022.54	1,965.43	57.11	35.413	
2,400.00	2,398.70	2,381.27	2,381.20	6.59	52.90	150.313	-1,685.12	1,094.25	2,033.48	1,974.09	59.39	34.239	
2,500.00	2,497.47	2,489.07	2,488.97	6.89	55.13	150.416	-1,685.42	1,094.25	2,047.36	1,985.48	61.88	33.086	
2,600.00	2,595.73	2,587.33	2,587.23	7.09	57.09	150.598	-1,685.42	1,094.25	2,063.58	1,999.57	64.01	32.236 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 (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	105.874	-365.92	1,286.77	1,337.89					
100.00	100.00	83.50	83.50	0.79	2.39	105.874	-365.92	1,286.77	1,337.79	1,334.61	3.18	421.156		
200.00	200.00	183.50	183.50	1.45	5.25	105.874	-365.92	1,286.77	1,337.79	1,331.09	6.70	199.664		
300.00	300.00	283.50	283.50	1.89	8.12	105.874	-365.92	1,286.77	1,337.79	1,327.78	10.01	133.658		
400.00	400.00	383.50	383.50	2.25	10.98	105.874	-365.92	1,286.77	1,337.79	1,324.55	13.23	101.085		
500.00	500.00	483.51	483.50	2.57	13.70	105.874	-365.92	1,286.77	1,337.79	1,321.52	16.27	82.242		
600.00	600.00	583.51	583.50	2.85	16.38	105.874	-365.92	1,286.77	1,337.79	1,318.56	19.23	69.580		
689.49	689.49	673.00	672.99	3.08	18.77	105.850	-365.34	1,286.77	1,337.63	1,315.77	21.85	61.205		
700.00	700.00	683.44	683.44	3.11	19.05	105.850	-365.34	1,286.77	1,337.63	1,315.46	22.16	60.358		
800.00	800.00	782.86	782.85	3.35	21.72	105.854	-365.44	1,286.77	1,337.65	1,312.59	25.06	53.368		
900.00	900.00	882.27	882.26	3.58	24.38	105.865	-365.70	1,286.77	1,337.72	1,309.77	27.95	47.855		
1,000.00	1,000.00	983.53	983.50	3.79	26.83	105.874	-365.92	1,286.77	1,337.79	1,307.17	30.62	43.695		
1,100.00	1,100.00	1,083.53	1,083.50	3.99	28.88	105.874	-365.92	1,286.77	1,337.79	1,304.91	32.88	40.689		
1,200.00	1,200.00	1,183.53	1,183.50	4.19	30.94	105.874	-365.92	1,286.77	1,337.79	1,302.65	35.13	38.078		
1,239.55	1,239.55	1,222.87	1,222.85	4.27	31.75	105.852	-365.39	1,286.77	1,337.64	1,301.62	36.02	37.139		
1,300.00	1,300.00	1,282.94	1,282.91	4.38	32.99	105.855	-365.45	1,286.77	1,337.66	1,300.29	37.37	35.797		
1,400.00	1,400.00	1,382.31	1,382.28	4.56	35.03	105.865	-365.70	1,286.77	1,337.73	1,298.13	39.60	33.785		
1,500.00	1,500.00	1,483.56	1,483.50	4.74	37.13	105.874	-365.92	1,286.77	1,337.79	1,295.92	41.87	31.950		
1,600.00	1,600.00	1,583.56	1,583.50	4.91	39.22	105.874	-365.92	1,286.77	1,337.79	1,293.65	44.14	30.311		
1,700.00	1,700.00	1,683.56	1,683.50	5.08	41.32	105.874	-365.92	1,286.77	1,337.79	1,291.39	46.40	28.834		
1,739.66	1,739.66	1,722.91	1,722.85	5.14	42.14	105.841	-365.12	1,286.77	1,337.57	1,290.28	47.28	28.288		
1,800.00	1,800.00	1,782.69	1,782.63	5.24	43.39	105.845	-365.21	1,286.77	1,337.59	1,288.96	48.63	27.503		
1,900.00	1,900.00	1,881.76	1,881.69	5.40	45.46	105.860	-365.58	1,286.77	1,337.69	1,286.83	50.87	26.298		
2,000.00	2,000.00	1,983.61	1,983.50	5.56	47.68	105.874	-365.92	1,286.77	1,337.79	1,284.54	53.24	25.126		
2,100.00	2,099.98	2,083.59	2,083.48	5.80	49.99	109.113	-365.92	1,286.77	1,338.36	1,282.65	55.71	24.023		
2,200.00	2,199.84	2,183.45	2,183.34	6.05	52.29	109.292	-365.92	1,286.77	1,340.08	1,281.91	58.17	23.036		
2,300.00	2,299.45	2,281.91	2,281.78	6.31	54.56	109.542	-364.96	1,286.77	1,342.72	1,282.12	60.60	22.156		
2,400.00	2,398.70	2,379.81	2,379.68	6.59	56.82	109.959	-365.43	1,286.77	1,347.00	1,283.98	63.02	21.374		
2,500.00	2,497.47	2,481.23	2,480.97	6.89	59.27	110.507	-365.92	1,286.77	1,352.62	1,286.99	65.63	20.609		
2,600.00	2,595.73	2,579.49	2,579.23	7.09	61.82	111.174	-365.92	1,286.77	1,359.32	1,291.04	68.28	19.907		
2,700.00	2,693.92	2,677.68	2,677.42	7.36	64.37	111.902	-365.92	1,286.77	1,366.38	1,295.37	71.00	19.244		
2,800.00	2,792.11	2,774.98	2,774.68	7.65	66.90	112.531	-363.73	1,286.77	1,372.91	1,299.21	73.71	18.626		
2,900.00	2,890.31	2,870.78	2,870.46	7.95	69.38	113.244	-364.16	1,286.77	1,380.54	1,304.16	76.38	18.074		
3,000.00	2,988.50	2,966.41	2,966.08	8.27	71.87	113.967	-365.06	1,286.77	1,388.57	1,309.52	79.06	17.564		
3,100.00	3,086.70	3,070.66	3,070.20	8.61	74.48	114.740	-365.92	1,286.77	1,396.81	1,314.93	81.87	17.061		
3,200.00	3,184.89	3,168.86	3,168.39	8.95	76.79	115.431	-365.92	1,286.77	1,404.95	1,320.55	84.40	16.647		
3,300.00	3,283.09	3,266.88	3,266.40	9.31	79.11	116.066	-364.67	1,286.77	1,412.80	1,325.87	86.92	16.254		
3,400.00	3,381.28	3,362.48	3,361.99	9.67	81.36	116.732	-364.91	1,286.77	1,421.44	1,332.03	89.40	15.900		
3,500.00	3,479.47	3,457.93	3,457.43	10.04	83.61	117.405	-365.59	1,286.77	1,430.46	1,338.58	91.88	15.568		
3,600.00	3,577.67	3,561.79	3,561.17	10.42	86.05	118.113	-365.92	1,286.77	1,439.54	1,344.97	94.56	15.223		
3,700.00	3,675.86	3,659.99	3,659.36	10.81	88.35	118.764	-365.92	1,286.77	1,448.67	1,351.56	97.11	14.917		
3,800.00	3,774.06	3,757.13	3,756.47	11.20	90.62	119.337	-364.11	1,286.77	1,457.18	1,357.54	99.64	14.624		
3,900.00	3,872.25	3,851.33	3,850.66	11.60	92.83	119.962	-364.55	1,286.77	1,466.88	1,364.77	102.11	14.365		
4,000.00	3,970.45	3,945.33	3,944.64	12.01	95.03	120.596	-365.54	1,286.77	1,477.05	1,372.46	104.58	14.123		
4,100.00	4,068.64	4,052.91	4,052.14	12.41	97.28	121.287	-365.92	1,286.77	1,487.06	1,379.94	107.12	13.882		
4,200.00	4,166.84	4,151.10	4,150.34	12.83	99.26	121.898	-365.92	1,286.77	1,497.11	1,387.72	109.39	13.687		
4,300.00	4,265.03	4,246.29	4,245.51	13.24	101.17	122.461	-365.28	1,286.77	1,507.00	1,395.41	111.59	13.505		
4,400.00	4,363.22	4,347.55	4,346.72	13.66	103.21	123.095	-365.92	1,286.77	1,517.70	1,403.77	113.93	13.321		
4,500.00	4,461.42	4,445.74	4,444.92	14.08	105.39	123.682	-365.92	1,286.77	1,528.24	1,411.82	116.42	13.127		
4,600.00	4,559.61	4,543.94	4,543.11	14.50	107.57	124.261	-365.92	1,286.77	1,538.94	1,420.03	118.92	12.942		
4,700.00	4,657.81	4,640.79	4,639.96	14.93	109.72	124.792	-364.88	1,286.77	1,549.25	1,427.87	121.38	12.763		
4,800.00	4,756.00	4,736.14	4,735.30	15.36	111.84	125.349	-365.20	1,286.77	1,560.43	1,436.61	123.83	12.602		

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 (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program: 405-INC-ONLY												Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,854.20	4,831.38	4,830.53	15.79	113.95	125.908	-365.83	1,286.77	1,571.95	1,445.68	126.27	12.449	
5,000.00	4,952.39	4,936.81	4,935.89	16.22	116.54	126.498	-365.92	1,286.77	1,583.30	1,454.09	129.21	12.254	
5,100.00	5,050.58	5,035.00	5,034.08	16.66	118.97	127.038	-365.92	1,286.77	1,594.75	1,462.76	131.99	12.082	
5,200.00	5,148.78	5,133.20	5,132.28	17.10	121.41	127.571	-365.92	1,286.77	1,606.35	1,471.57	134.78	11.919	
5,300.00	5,246.97	5,229.89	5,228.95	17.53	123.81	128.036	-364.12	1,286.77	1,617.04	1,479.52	137.52	11.758	
5,400.00	5,345.17	5,325.15	5,324.20	17.97	126.17	128.547	-364.42	1,286.77	1,629.08	1,488.83	140.25	11.616	
5,500.00	5,443.36	5,420.30	5,419.34	18.41	128.53	129.059	-365.01	1,286.77	1,641.43	1,498.46	142.97	11.481	
5,600.00	5,541.56	5,526.11	5,525.06	18.86	131.12	129.627	-365.92	1,286.77	1,654.09	1,508.14	145.95	11.333	
5,700.00	5,639.75	5,624.30	5,623.25	19.30	133.17	130.122	-365.92	1,286.77	1,666.35	1,517.97	148.37	11.231	
5,800.00	5,737.94	5,722.50	5,721.44	19.74	135.22	130.611	-365.92	1,286.77	1,678.73	1,527.92	150.80	11.132	
5,900.00	5,836.14	5,818.16	5,817.09	20.19	137.22	131.055	-364.98	1,286.77	1,690.64	1,537.47	153.18	11.037	
6,000.00	5,934.33	5,912.58	5,911.51	20.63	139.19	131.522	-365.37	1,286.77	1,703.52	1,547.99	155.53	10.953	
6,100.00	6,032.53	6,017.15	6,016.03	21.08	141.38	132.035	-365.92	1,286.77	1,716.59	1,558.46	158.13	10.856	
6,200.00	6,130.72	6,115.34	6,114.22	21.53	143.46	132.496	-365.92	1,286.77	1,729.44	1,568.83	160.61	10.768	
6,300.00	6,228.92	6,213.54	6,212.42	21.98	145.54	132.950	-365.92	1,286.77	1,742.40	1,579.31	163.09	10.684	
6,400.00	6,327.11	6,308.96	6,307.82	22.43	147.56	133.360	-364.91	1,286.77	1,754.81	1,589.31	165.50	10.603	
6,500.00	6,425.31	6,403.31	6,402.17	22.88	149.56	133.794	-365.30	1,286.77	1,768.24	1,600.34	167.91	10.531	
6,600.00	6,523.50	6,508.20	6,507.00	23.33	151.82	134.274	-365.92	1,286.77	1,781.92	1,611.34	170.58	10.446	
6,700.00	6,621.69	6,606.39	6,605.19	23.78	154.06	134.702	-365.92	1,286.77	1,795.30	1,622.05	173.24	10.363	
6,800.00	6,719.89	6,704.59	6,703.39	24.23	156.31	135.124	-365.92	1,286.77	1,808.78	1,632.87	175.91	10.283	
6,900.00	6,818.08	6,800.21	6,799.00	24.68	158.50	135.505	-364.89	1,286.77	1,821.65	1,643.15	178.51	10.205	
7,000.00	6,916.28	6,894.26	6,893.05	25.14	160.65	135.907	-365.24	1,286.77	1,835.57	1,654.49	181.07	10.137	
7,100.00	7,014.58	6,999.40	6,998.08	25.57	163.07	136.446	-365.92	1,286.77	1,849.37	1,665.46	183.91	10.056	
7,200.00	7,113.41	7,098.23	7,096.91	26.02	165.50	136.921	-365.92	1,286.77	1,860.50	1,673.76	186.75	9.963	
7,300.00	7,212.71	7,197.53	7,196.21	26.45	167.95	137.284	-365.92	1,286.77	1,869.15	1,679.58	189.57	9.860	
7,400.00	7,312.36	7,293.58	7,292.23	26.85	170.31	137.500	-364.36	1,286.77	1,874.17	1,681.92	192.25	9.749	
7,500.00	7,412.24	7,387.05	7,385.69	27.20	172.61	137.656	-364.85	1,286.77	1,878.09	1,683.26	194.83	9.640	
7,600.00	7,512.22	7,497.21	7,495.72	27.34	175.34	134.548	-365.92	1,286.77	1,879.81	1,682.12	197.70	9.509	
7,700.00	7,612.22	7,597.21	7,595.72	27.40	177.92	134.548	-365.92	1,286.77	1,879.81	1,679.47	200.34	9.383	
7,800.00	7,712.22	7,697.21	7,695.72	27.44	180.50	134.548	-365.92	1,286.77	1,879.81	1,676.83	202.98	9.261	
7,900.00	7,812.22	7,794.63	7,793.11	27.49	183.01	134.511	-364.24	1,286.77	1,878.63	1,673.10	205.53	9.140	
7,938.65	7,850.86	7,830.91	7,829.39	27.49	183.95	44.724	-364.34	1,286.77	1,878.08	1,671.64	206.44	9.098	
8,000.00	7,912.07	7,888.39	7,886.87	27.49	185.43	44.947	-364.64	1,286.77	1,876.13	1,668.25	207.89	9.025	
8,100.00	8,009.86	7,980.24	7,978.70	27.50	187.80	46.370	-365.46	1,286.77	1,862.41	1,652.25	210.16	8.862	
8,200.00	8,102.64	8,087.85	8,086.14	27.52	190.57	49.277	-365.92	1,286.77	1,836.84	1,623.91	212.94	8.626	
8,300.00	8,187.60	8,172.80	8,171.10	27.58	192.76	53.473	-365.92	1,286.77	1,800.80	1,585.61	215.20	8.368	
8,400.00	8,262.15	8,247.35	8,245.65	27.68	194.67	59.076	-365.92	1,286.77	1,756.38	1,539.05	217.32	8.082	
8,500.00	8,324.02	8,306.24	8,304.50	27.87	196.18	65.795	-364.06	1,286.77	1,704.37	1,485.17	219.21	7.775	
8,600.00	8,371.34	8,350.05	8,348.31	28.17	197.31	73.270	-364.22	1,286.77	1,650.33	1,429.40	220.93	7.470	
8,700.00	8,402.67	8,379.06	8,377.32	28.61	198.05	80.793	-364.39	1,286.77	1,595.44	1,372.93	222.50	7.170	
8,800.00	8,417.06	8,392.38	8,390.63	29.17	198.40	87.596	-364.48	1,286.77	1,542.29	1,318.36	223.92	6.888	
8,900.00	8,418.00	8,393.25	8,391.50	29.87	198.42	89.566	-364.49	1,286.77	1,493.17	1,267.95	225.22	6.630	
9,000.00	8,418.00	8,393.25	8,391.50	30.69	198.42	89.566	-364.49	1,286.77	1,449.28	1,222.66	226.63	6.395	
9,100.00	8,418.00	8,393.25	8,391.50	31.63	198.42	89.566	-364.49	1,286.77	1,411.13	1,182.98	228.15	6.185	
9,200.00	8,418.00	8,393.25	8,391.50	32.68	198.42	89.566	-364.49	1,286.77	1,379.18	1,149.44	229.74	6.003	
9,300.00	8,418.00	8,393.24	8,391.49	33.82	198.42	89.566	-364.49	1,286.77	1,353.89	1,122.51	231.37	5.852	
9,400.00	8,418.00	8,393.24	8,391.49	35.04	198.42	89.566	-364.49	1,286.77	1,335.62	1,102.62	233.00	5.732	
9,500.00	8,418.00	8,393.24	8,391.49	36.35	198.42	89.566	-364.49	1,286.77	1,324.66	1,090.09	234.58	5.647	
9,594.72	8,418.00	8,393.24	8,391.49	37.65	198.42	89.566	-364.49	1,286.77	1,321.20	1,085.22	235.99	5.599 CC	
9,600.00	8,418.00	8,393.24	8,391.49	37.72	198.42	89.566	-364.49	1,286.77	1,321.21	1,085.15	236.06	5.597 ES	
9,700.00	8,418.00	8,393.24	8,391.49	39.15	198.42	89.566	-364.49	1,286.77	1,325.32	1,087.90	237.41	5.582 SF	
9,800.00	8,418.00	8,393.23	8,391.48	40.64	198.42	89.566	-364.49	1,286.77	1,336.91	1,098.30	238.61	5.603	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside 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	
9,900.00	8,418.00	8,393.23	8,391.48	42.18	198.42	89.565	-364.49	1,286.77	1,355.80	1,116.18	239.62	5.658	
10,000.00	8,418.00	8,393.23	8,391.48	43.76	198.42	89.565	-364.49	1,286.77	1,381.68	1,141.23	240.45	5.746	
10,100.00	8,418.00	8,393.23	8,391.48	45.39	198.42	89.565	-364.49	1,286.77	1,414.18	1,173.08	241.11	5.865	
10,200.00	8,418.00	8,393.23	8,391.47	47.04	198.42	89.565	-364.49	1,286.77	1,452.85	1,211.26	241.59	6.014	
10,300.00	8,418.00	8,393.22	8,391.47	48.73	198.42	89.565	-364.49	1,286.77	1,497.21	1,255.29	241.92	6.189	
10,400.00	8,418.00	8,393.22	8,391.47	50.45	198.42	89.565	-364.49	1,286.77	1,546.77	1,304.65	242.12	6.388	
10,500.00	8,418.00	8,393.22	8,391.47	52.19	198.42	89.565	-364.49	1,286.77	1,601.05	1,358.84	242.21	6.610	
10,600.00	8,418.00	8,393.22	8,391.47	53.96	198.42	89.565	-364.49	1,286.77	1,659.59	1,417.38	242.20	6.852	
10,700.00	8,418.00	8,393.22	8,391.46	55.75	198.42	89.565	-364.49	1,286.77	1,721.94	1,479.82	242.13	7.112	
10,800.00	8,418.00	8,393.21	8,391.46	57.55	198.42	89.565	-364.49	1,286.77	1,787.72	1,545.73	241.99	7.388	
10,900.00	8,418.00	8,393.21	8,391.46	59.38	198.42	89.565	-364.49	1,286.77	1,856.56	1,614.75	241.81	7.678	
11,000.00	8,418.00	8,393.21	8,391.46	61.21	198.42	89.565	-364.49	1,286.77	1,928.13	1,686.53	241.60	7.981	
11,100.00	8,418.00	8,393.21	8,391.46	63.07	198.42	89.564	-364.49	1,286.77	2,002.13	1,760.76	241.37	8.295	



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)												Offset Site Error: 0.00 usft
Survey Program: 452-INC-ONLY												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)		
17,100.00	8,418.00	8,420.90	8,419.50	182.97	205.52	90.000	-351.45	10,326.58	2,034.42	1,706.87	327.55	6.211
17,200.00	8,418.00	8,420.90	8,419.50	185.02	205.52	90.000	-351.45	10,326.58	1,960.04	1,626.67	333.37	5.880
17,300.00	8,418.00	8,420.90	8,419.50	187.06	205.52	90.000	-351.45	10,326.58	1,888.03	1,548.54	339.49	5.561
17,400.00	8,418.00	8,420.90	8,419.50	189.11	205.52	90.000	-351.45	10,326.58	1,818.67	1,472.76	345.91	5.258
17,500.00	8,418.00	8,420.90	8,419.50	191.16	205.52	90.000	-351.45	10,326.58	1,752.27	1,399.68	352.59	4.970
17,600.00	8,418.00	8,420.90	8,419.50	193.21	205.52	90.000	-351.45	10,326.58	1,689.19	1,329.68	359.51	4.699
17,700.00	8,418.00	8,420.90	8,419.50	195.26	205.52	90.000	-351.45	10,326.58	1,629.80	1,263.19	366.61	4.446
17,800.00	8,418.00	8,420.90	8,419.50	197.31	205.52	90.000	-351.45	10,326.58	1,574.53	1,200.72	373.82	4.212
17,900.00	8,418.00	8,420.90	8,419.50	199.36	205.52	90.000	-351.45	10,326.58	1,523.83	1,142.79	381.04	3.999
18,000.00	8,418.00	8,420.90	8,419.50	201.41	205.52	90.000	-351.45	10,326.58	1,478.16	1,090.02	388.14	3.808
18,100.00	8,418.00	8,420.90	8,419.50	203.46	205.52	90.000	-351.45	10,326.58	1,438.00	1,043.02	394.98	3.641
18,200.00	8,418.00	8,420.90	8,419.50	205.51	205.52	90.000	-351.45	10,326.58	1,403.84	1,002.45	401.39	3.497
18,300.00	8,418.00	8,420.90	8,419.50	207.56	205.52	90.000	-351.45	10,326.58	1,376.10	968.92	407.18	3.380
18,400.00	8,418.00	8,420.90	8,419.50	209.61	205.52	90.000	-351.45	10,326.58	1,355.20	943.01	412.19	3.288
18,500.00	8,418.00	8,420.90	8,419.50	211.66	205.52	90.000	-351.45	10,326.58	1,341.44	925.21	416.23	3.223
18,600.00	8,418.00	8,420.90	8,419.50	213.71	205.52	90.000	-351.45	10,326.58	1,335.05	915.87	419.18	3.185
18,635.50	8,418.00	8,420.90	8,419.50	214.44	205.52	90.000	-351.45	10,326.58	1,334.58	914.62	419.95	3.178 CC, ES
18,700.00	8,418.00	8,420.90	8,419.50	215.77	205.52	90.000	-351.45	10,326.58	1,336.14	915.17	420.97	3.174 SF
18,800.00	8,418.00	8,420.90	8,419.50	217.82	205.52	90.000	-351.45	10,326.58	1,344.68	923.11	421.56	3.190
18,900.00	8,418.00	8,420.90	8,419.50	219.87	205.52	90.000	-351.45	10,326.58	1,360.54	939.54	421.00	3.232
19,000.00	8,418.00	8,420.90	8,419.50	221.93	205.52	90.000	-351.45	10,326.58	1,383.46	964.10	419.36	3.299
19,100.00	8,418.00	8,420.90	8,419.50	223.98	205.52	90.000	-351.45	10,326.58	1,413.10	996.32	416.78	3.390
19,200.00	8,418.00	8,420.90	8,419.50	226.03	205.52	90.000	-351.45	10,326.58	1,449.05	1,035.64	413.42	3.505
19,300.00	8,418.00	8,420.90	8,419.50	228.09	205.52	90.000	-351.45	10,326.58	1,490.86	1,081.43	409.42	3.641
19,400.00	8,418.00	8,420.90	8,419.50	230.14	205.52	90.000	-351.45	10,326.58	1,538.04	1,133.07	404.96	3.798
19,500.00	8,418.00	8,420.90	8,419.50	232.20	205.52	90.000	-351.45	10,326.58	1,590.11	1,189.93	400.18	3.974
19,600.00	8,418.00	8,420.90	8,419.50	234.25	205.52	90.000	-351.45	10,326.58	1,646.62	1,251.42	395.20	4.167
19,700.00	8,418.00	8,420.90	8,419.50	236.31	205.52	90.000	-351.45	10,326.58	1,707.12	1,316.99	390.13	4.376
19,800.00	8,418.00	8,420.90	8,419.50	238.37	205.52	90.000	-351.45	10,326.58	1,771.20	1,386.15	385.05	4.600
19,900.00	8,418.00	8,420.90	8,419.50	240.42	205.52	90.000	-351.45	10,326.58	1,838.49	1,458.46	380.03	4.838
20,000.00	8,418.00	8,420.90	8,419.50	242.48	205.52	90.000	-351.45	10,326.58	1,908.65	1,533.52	375.13	5.088
20,100.00	8,418.00	8,420.90	8,419.50	244.53	205.52	90.000	-351.45	10,326.58	1,981.38	1,611.01	370.37	5.350
20,200.00	8,418.00	8,420.90	8,419.50	246.59	205.52	90.000	-351.45	10,326.58	2,056.39	1,690.62	365.78	5.622

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.50	0.50	0.00	0.01	-123.007	-370.00	-569.60	679.22				
100.00	100.00	100.50	100.50	0.79	1.92	-123.007	-370.00	-569.60	679.22	676.52	2.71	250.724	
200.00	200.00	200.50	200.50	1.45	3.84	-123.007	-370.00	-569.60	679.22	673.94	5.28	128.560	
300.00	300.00	300.50	300.50	1.89	5.80	-123.007	-370.00	-569.60	679.22	671.54	7.69	88.345	
345.02	345.02	345.52	345.52	2.05	6.68	-122.997	-369.86	-569.60	679.15	670.41	8.74	77.725	
400.00	400.00	400.15	400.15	2.25	7.76	-122.999	-369.89	-569.60	679.16	669.15	10.01	67.831	
500.00	500.00	500.50	500.50	2.57	9.91	-123.007	-370.00	-569.60	679.22	666.74	12.48	54.414	
600.00	600.00	600.50	600.50	2.85	12.54	-123.007	-370.00	-569.60	679.22	663.84	15.39	44.141	
700.00	700.00	700.50	700.50	3.11	15.16	-123.007	-370.00	-569.60	679.22	660.96	18.27	37.179	
738.67	738.67	739.05	739.05	3.20	16.17	-122.989	-369.75	-569.60	679.09	659.72	19.37	35.053	
800.00	800.00	800.18	800.17	3.35	17.78	-122.992	-369.79	-569.60	679.11	657.99	21.12	32.148	
900.00	900.00	899.83	899.83	3.58	20.39	-123.002	-369.93	-569.60	679.18	655.22	23.96	28.341	
1,000.00	1,000.00	1,000.51	1,000.50	3.79	22.82	-123.007	-370.00	-569.60	679.22	652.61	26.61	25.521	
1,100.00	1,100.00	1,100.51	1,100.50	3.99	25.12	-123.007	-370.00	-569.60	679.22	650.11	29.11	23.330	
1,187.78	1,187.78	1,188.29	1,188.28	4.17	27.13	-122.968	-369.46	-569.60	678.93	647.63	31.30	21.691 CC	
1,200.00	1,200.00	1,200.43	1,200.42	4.19	27.41	-122.969	-369.46	-569.60	678.93	647.33	31.60	21.483	
1,300.00	1,300.00	1,299.80	1,299.78	4.38	29.69	-122.976	-369.57	-569.60	678.99	644.92	34.07	19.929	
1,400.00	1,400.00	1,399.16	1,399.14	4.56	31.97	-122.996	-369.85	-569.60	679.14	642.61	36.53	18.590	
1,500.00	1,500.00	1,500.54	1,500.50	4.74	33.89	-123.007	-370.00	-569.60	679.22	640.60	38.63	17.584	
1,559.95	1,559.95	1,560.49	1,560.45	4.84	34.87	-122.979	-369.60	-569.60	679.01	639.29	39.72	17.097	
1,600.00	1,600.00	1,599.77	1,599.72	4.91	35.52	-122.982	-369.64	-569.60	679.03	638.60	40.43	16.796	
1,700.00	1,700.00	1,700.56	1,700.50	5.08	37.20	-123.007	-370.00	-569.60	679.22	636.95	42.28	16.066	
1,800.00	1,800.00	1,800.56	1,800.50	5.24	38.99	-123.007	-370.00	-569.60	679.22	634.99	44.23	15.355	
1,832.71	1,832.71	1,833.11	1,833.04	5.29	39.58	-122.975	-369.54	-569.60	678.98	634.11	44.87	15.132	
1,900.00	1,900.00	1,899.27	1,899.20	5.40	40.76	-122.984	-369.68	-569.60	679.05	632.88	46.16	14.709	
2,000.00	2,000.00	2,000.60	2,000.50	5.56	42.95	-123.007	-370.00	-569.60	679.22	630.71	48.51	14.001	
2,100.00	2,099.98	2,100.58	2,100.48	5.80	45.77	-119.941	-370.00	-569.60	680.09	628.59	51.50	13.205	
2,200.00	2,199.84	2,200.44	2,200.34	6.05	48.58	-120.275	-370.00	-569.60	682.72	628.23	54.49	12.529 ES	
2,300.00	2,299.45	2,299.59	2,299.48	6.31	51.37	-120.734	-368.74	-569.60	686.46	629.00	57.46	11.946	
2,400.00	2,398.70	2,397.69	2,397.57	6.59	54.14	-121.493	-369.01	-569.60	692.94	632.53	60.41	11.471	
2,500.00	2,497.47	2,495.22	2,495.09	6.89	56.88	-122.449	-369.55	-569.60	701.63	638.27	63.36	11.074	
2,600.00	2,595.73	2,596.57	2,596.23	7.09	59.57	-123.682	-370.00	-569.60	712.15	645.98	66.17	10.762	
2,700.00	2,693.92	2,694.83	2,694.42	7.36	61.95	-124.915	-370.00	-569.60	722.94	654.18	68.76	10.514	
2,800.00	2,792.11	2,786.85	2,786.42	7.65	64.19	-126.020	-369.71	-569.60	733.90	662.69	71.22	10.305	
2,900.00	2,890.31	2,885.45	2,884.93	7.95	66.51	-127.192	-369.79	-569.60	745.38	671.61	73.77	10.104	
3,000.00	2,988.50	2,986.76	2,986.20	8.27	68.84	-128.349	-369.67	-569.60	757.02	680.67	76.35	9.915	
3,100.00	3,086.70	3,087.48	3,086.87	8.61	71.23	-129.462	-369.52	-569.60	768.93	689.94	78.99	9.734	
3,200.00	3,184.89	3,186.05	3,185.39	8.95	73.57	-130.551	-370.00	-569.60	781.55	699.94	81.61	9.576	
3,300.00	3,283.09	3,284.29	3,283.59	9.31	75.92	-131.578	-370.00	-569.60	794.11	709.87	84.24	9.426	
3,400.00	3,381.28	3,377.89	3,377.18	9.67	78.22	-132.510	-369.67	-569.60	806.68	719.84	86.84	9.289	
3,500.00	3,479.47	3,480.78	3,479.97	10.04	80.73	-133.537	-370.00	-569.60	819.95	730.30	89.66	9.145	
3,600.00	3,577.67	3,574.08	3,573.27	10.42	82.74	-134.413	-369.73	-569.60	833.03	741.05	91.98	9.057	
3,700.00	3,675.86	3,677.05	3,676.21	10.81	84.77	-135.361	-369.68	-569.60	846.45	752.11	94.35	8.972	
3,800.00	3,774.06	3,775.41	3,774.56	11.20	86.66	-136.254	-370.00	-569.60	860.39	763.81	96.57	8.909	
3,900.00	3,872.25	3,873.61	3,872.75	11.60	88.55	-137.105	-370.00	-569.60	874.27	775.45	98.82	8.847	
4,000.00	3,970.45	3,971.80	3,970.95	12.01	90.45	-137.928	-370.00	-569.60	888.33	787.26	101.08	8.789	
4,100.00	4,068.64	4,068.10	4,067.24	12.41	92.31	-138.688	-369.39	-569.60	902.09	798.79	103.30	8.733	
4,200.00	4,166.84	4,164.21	4,163.35	12.83	94.17	-139.461	-369.78	-569.60	916.82	811.29	105.52	8.688	
4,300.00	4,265.03	4,266.41	4,265.53	13.24	96.03	-140.251	-370.00	-569.60	931.57	823.79	107.78	8.643	
4,400.00	4,363.22	4,364.60	4,363.72	13.66	97.76	-140.978	-370.00	-569.60	946.29	836.40	109.90	8.611	
4,500.00	4,461.42	4,462.24	4,461.36	14.08	99.49	-141.663	-369.53	-569.60	960.78	848.77	112.01	8.578	
4,600.00	4,559.61	4,558.90	4,558.02	14.50	101.19	-142.342	-369.69	-569.60	975.92	861.81	114.11	8.553	

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

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)													Offset Site Error: 0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis			Highside		Offset Wellbore Centre		Distance			Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Factor	
4,700.00	4,657.81	4,659.20	4,658.31	14.93	102.95	-143.030	-370.00	-569.60	991.33	875.06	116.27	8.526	
4,800.00	4,756.00	4,757.39	4,756.50	15.36	104.57	-143.674	-370.00	-569.60	1,006.61	888.30	118.31	8.508	
4,900.00	4,854.20	4,854.70	4,853.81	15.79	106.18	-144.289	-369.88	-569.60	1,021.90	901.58	120.33	8.493	
5,000.00	4,952.39	4,953.79	4,952.89	16.22	107.90	-144.904	-370.00	-569.60	1,037.52	915.06	122.46	8.472	
5,100.00	5,050.58	5,051.98	5,051.08	16.66	109.82	-145.492	-370.00	-569.60	1,053.14	928.34	124.80	8.439	
5,200.00	5,148.78	5,149.62	5,148.72	17.10	111.73	-146.049	-369.59	-569.60	1,068.52	941.38	127.13	8.405	
5,300.00	5,246.97	5,245.77	5,244.87	17.53	113.61	-146.597	-369.75	-569.60	1,084.49	955.05	129.44	8.379	
5,400.00	5,345.17	5,346.60	5,345.67	17.97	115.64	-147.158	-370.00	-569.60	1,100.64	968.73	131.91	8.344	
5,500.00	5,443.36	5,444.79	5,443.86	18.41	117.77	-147.681	-370.00	-569.60	1,116.66	982.19	134.47	8.304	
5,600.00	5,541.56	5,542.99	5,542.06	18.86	119.90	-148.190	-370.00	-569.60	1,132.78	995.74	137.03	8.266	
5,700.00	5,639.75	5,637.64	5,636.70	19.30	121.95	-148.648	-369.16	-569.60	1,148.24	1,008.73	139.51	8.230	
5,800.00	5,737.94	5,732.07	5,731.12	19.74	123.99	-149.123	-369.66	-569.60	1,164.98	1,022.99	141.99	8.205	
5,900.00	5,836.14	5,837.64	5,836.64	20.19	126.29	-149.634	-370.00	-569.60	1,181.61	1,036.86	144.75	8.163	
6,000.00	5,934.33	5,935.83	5,934.83	20.63	128.44	-150.090	-370.00	-569.60	1,198.05	1,050.70	147.35	8.131	
6,100.00	6,032.53	6,033.50	6,032.49	21.08	130.58	-150.508	-368.94	-569.60	1,213.60	1,063.67	149.93	8.094	
6,200.00	6,130.72	6,127.97	6,126.95	21.53	132.65	-150.928	-369.14	-569.60	1,230.36	1,077.92	152.44	8.071	
6,300.00	6,228.92	6,222.32	6,221.29	21.98	134.72	-151.343	-369.66	-569.60	1,247.49	1,092.55	154.95	8.051	
6,400.00	6,327.11	6,328.69	6,327.61	22.43	137.13	-151.793	-370.00	-569.60	1,264.48	1,106.65	157.83	8.012	
6,500.00	6,425.31	6,426.88	6,425.81	22.88	139.41	-152.191	-370.00	-569.60	1,281.25	1,120.69	160.56	7.980	
6,600.00	6,523.50	6,523.95	6,522.86	23.33	141.66	-152.556	-369.00	-569.60	1,297.16	1,133.89	163.27	7.945	
6,700.00	6,621.69	6,617.91	6,616.82	23.78	143.84	-152.924	-369.25	-569.60	1,314.28	1,148.39	165.89	7.923	
6,800.00	6,719.89	6,711.75	6,710.65	24.23	146.02	-153.287	-369.83	-569.60	1,331.78	1,163.27	168.51	7.903	
6,900.00	6,818.08	6,819.77	6,818.58	24.68	148.45	-153.685	-370.00	-569.60	1,348.89	1,177.46	171.43	7.869	
7,000.00	6,916.28	6,914.70	6,913.50	25.14	150.57	-154.009	-369.04	-569.60	1,365.05	1,191.06	173.99	7.845	
7,100.00	7,014.58	7,003.26	7,002.05	25.57	152.54	-154.403	-369.61	-569.60	1,382.21	1,205.83	176.38	7.836	
7,200.00	7,113.41	7,115.17	7,113.91	26.02	155.00	-154.837	-370.00	-569.60	1,396.30	1,216.97	179.33	7.786	
7,300.00	7,212.71	7,214.47	7,213.21	26.45	157.17	-155.131	-370.00	-569.60	1,406.97	1,225.06	181.91	7.734	
7,400.00	7,312.36	7,312.76	7,311.49	26.85	159.31	-155.318	-368.94	-569.60	1,413.52	1,229.09	184.43	7.664	
7,500.00	7,412.24	7,408.19	7,406.91	27.20	161.39	-155.438	-369.20	-569.60	1,418.14	1,231.31	186.83	7.591	
7,600.00	7,512.22	7,503.72	7,502.44	27.34	163.47	-155.661	-369.79	-569.60	1,419.93	1,230.90	189.03	7.512	
7,700.00	7,612.22	7,614.06	7,612.72	27.40	166.07	-155.864	-370.00	-569.60	1,420.10	1,228.37	191.73	7.407	
7,800.00	7,712.22	7,714.06	7,712.72	27.44	168.49	-156.064	-370.00	-569.60	1,420.10	1,225.90	194.19	7.313	
7,862.44	7,774.67	7,776.43	7,775.09	27.47	170.00	-156.648	-368.93	-569.60	1,419.10	1,223.37	195.73	7.250	
7,900.00	7,812.22	7,812.30	7,810.96	27.49	170.87	-156.649	-368.96	-569.60	1,419.13	1,222.52	196.61	7.218	
8,000.00	7,912.07	7,907.68	7,906.33	27.49	173.17	111.500	-369.25	-569.60	1,420.85	1,221.89	198.96	7.141	
8,100.00	8,009.86	8,001.10	7,999.74	27.50	175.43	111.436	-369.84	-569.60	1,429.04	1,227.77	201.28	7.100	
8,200.00	8,102.64	8,104.63	8,103.14	27.52	178.30	111.469	-370.00	-569.60	1,443.64	1,239.45	204.20	7.070 SF	
8,300.00	8,187.60	8,189.58	8,188.10	27.58	180.72	111.046	-370.00	-569.60	1,465.59	1,259.00	206.59	7.094	
8,400.00	8,262.15	8,264.13	8,262.65	27.68	182.85	109.981	-370.00	-569.60	1,495.55	1,286.90	208.65	7.168	
8,500.00	8,324.02	8,321.83	8,320.31	27.87	184.49	107.815	-368.18	-569.60	1,532.28	1,322.08	210.20	7.290	
8,600.00	8,371.34	8,365.64	8,364.11	28.17	185.74	104.269	-368.37	-569.60	1,578.99	1,367.65	211.35	7.471	
8,700.00	8,402.67	8,394.64	8,393.11	28.61	186.57	99.091	-368.57	-569.60	1,633.16	1,421.09	212.07	7.701	
8,800.00	8,417.06	8,407.96	8,406.43	29.17	186.95	92.152	-368.68	-569.60	1,693.35	1,481.00	212.35	7.974	
8,900.00	8,418.00	8,408.83	8,407.29	29.87	186.97	89.514	-368.68	-569.60	1,757.71	1,545.44	212.27	8.281	
9,000.00	8,418.00	8,408.82	8,407.29	30.69	186.97	89.513	-368.68	-569.60	1,825.29	1,613.08	212.21	8.601	
9,100.00	8,418.00	8,408.82	8,407.29	31.63	186.97	89.513	-368.68	-569.60	1,895.74	1,683.54	212.19	8.934	
9,200.00	8,418.00	8,408.82	8,407.29	32.68	186.97	89.513	-368.68	-569.60	1,968.74	1,756.53	212.21	9.277	
9,300.00	8,418.00	8,408.82	8,407.29	33.82	186.97	89.513	-368.68	-569.60	2,044.04	1,831.79	212.25	9.630	

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W27) TEXACO FEDERAL 001 - 00886 - (Depth Only)													Offset Site Error:	0.00 usft			
Survey Program:		7160-BLIND - TREND					Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance	Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
19,700.00	8,418.00	7,160.00	7,160.00	236.31	758.96	0.540	978.95	12,959.42	2,015.79	1,361.91	653.88	3.083					
19,800.00	8,418.00	7,160.00	7,160.00	238.37	758.96	0.540	978.95	12,959.42	1,938.80	1,297.95	640.85	3.025					
19,900.00	8,418.00	7,160.00	7,160.00	240.42	758.96	0.540	978.95	12,959.42	1,864.00	1,237.97	626.03	2.977					
20,000.00	8,418.00	7,160.00	7,160.00	242.48	758.96	0.540	978.95	12,959.42	1,791.66	1,182.50	609.17	2.941					
20,100.00	8,418.00	7,160.00	7,160.00	244.53	758.96	0.540	978.95	12,959.42	1,722.10	1,132.14	589.96	2.919					
20,149.30	8,418.00	7,160.00	7,160.00	245.55	758.96	0.540	978.95	12,959.42	1,688.93	1,109.40	579.53	2.914 SF					
20,200.00	8,418.00	7,160.00	7,160.00	246.59	758.96	0.540	978.95	12,959.42	1,655.65	1,087.56	568.09	2.914					
20,247.92	8,418.00	7,160.00	7,160.00	247.58	758.96	0.540	978.95	12,959.42	1,625.03	1,068.46	556.57	2.920					
20,300.00	8,418.00	7,160.00	7,160.00	248.65	758.96	0.540	978.95	12,959.42	1,592.71	1,049.49	543.22	2.932					
20,346.49	8,418.00	7,160.00	7,160.00	249.60	758.96	0.540	978.95	12,959.42	1,564.77	1,034.22	530.55	2.949					
20,400.00	8,418.00	7,160.00	7,160.00	250.70	758.96	0.540	978.95	12,959.42	1,533.72	1,018.70	515.02	2.978					
20,445.00	8,418.00	7,160.00	7,160.00	251.63	758.96	0.540	978.95	12,959.42	1,508.58	1,007.43	501.15	3.010					
20,500.00	8,418.00	7,160.00	7,160.00	252.76	758.96	0.540	978.95	12,959.42	1,479.14	995.99	483.15	3.061					
20,543.45	8,418.00	7,160.00	7,160.00	253.66	758.96	0.540	978.95	12,959.42	1,456.92	988.84	468.09	3.112					
20,600.00	8,418.00	7,160.00	7,160.00	254.82	758.96	0.540	978.95	12,959.42	1,429.48	982.14	447.34	3.196					
20,641.82	8,418.00	7,160.00	7,160.00	255.68	758.96	0.540	978.95	12,959.42	1,410.29	979.15	431.14	3.271					
20,700.00	8,418.00	7,160.00	7,160.00	256.88	758.96	0.540	978.95	12,959.42	1,385.26	977.88	407.38	3.400					
20,740.12	8,418.00	7,160.00	7,160.00	257.70	758.96	0.540	978.95	12,959.42	1,369.18	979.01	390.17	3.509					
20,800.00	8,418.00	7,160.00	7,160.00	258.94	758.96	0.540	978.95	12,959.42	1,347.04	983.81	363.22	3.709					
20,838.32	8,418.00	7,160.00	7,160.00	259.72	758.96	0.540	978.95	12,959.42	1,334.09	988.88	345.21	3.865					
20,900.00	8,418.00	7,160.00	7,160.00	260.99	758.96	0.540	978.95	12,959.42	1,315.32	1,000.33	314.99	4.176					
20,936.44	8,418.00	7,160.00	7,160.00	261.74	758.96	0.540	978.95	12,959.42	1,305.48	1,009.01	296.47	4.403					
21,000.00	8,418.00	7,160.00	7,160.00	263.05	758.96	0.540	978.95	12,959.42	1,290.59	1,027.54	263.05	4.906					
21,034.47	8,418.00	7,160.00	7,160.00	263.76	758.96	0.540	978.95	12,959.42	1,283.76	1,039.37	244.40	5.253					
21,100.00	8,418.00	7,160.00	7,160.00	265.11	758.96	0.540	978.95	12,959.42	1,273.26	1,065.19	208.07	6.119					
21,132.41	8,418.00	7,160.00	7,160.00	265.78	758.96	0.540	978.95	12,959.42	1,269.28	1,079.49	189.79	6.688					
21,200.00	8,418.00	7,160.00	7,160.00	267.17	758.96	0.540	978.95	12,959.42	1,263.62	1,112.08	151.55	8.338					
21,230.23	8,418.00	7,160.00	7,160.00	267.79	758.96	0.540	978.95	12,959.42	1,262.25	1,127.15	135.11	9.343					
21,300.00	8,418.00	7,160.00	7,160.00	269.23	758.96	0.540	978.95	12,959.42	1,261.86	1,133.29	128.57	9.814 CC					
21,400.00	8,418.00	7,160.00	7,160.00	271.29	758.96	0.540	978.95	12,959.42	1,268.01	1,082.91	185.10	6.850					
21,500.00	8,418.00	7,160.00	7,160.00	273.35	758.96	0.540	978.95	12,959.42	1,281.96	1,039.27	242.69	5.282					
21,600.00	8,418.00	7,160.00	7,160.00	275.41	758.96	0.540	978.95	12,959.42	1,303.44	1,005.79	297.65	4.379					
21,700.00	8,418.00	7,160.00	7,160.00	277.47	758.96	0.540	978.95	12,959.42	1,332.11	983.05	349.07	3.816					
21,800.00	8,418.00	7,160.00	7,160.00	279.52	758.96	0.540	978.95	12,959.42	1,367.51	971.07	396.44	3.450					
21,880.45	8,418.00	7,160.00	7,160.00	281.18	758.96	0.540	978.95	12,959.42	1,400.52	969.08	431.44	3.246 ES					

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



Dixon Directional Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3723.50usft

Offset Depths are relative to Offset Datum

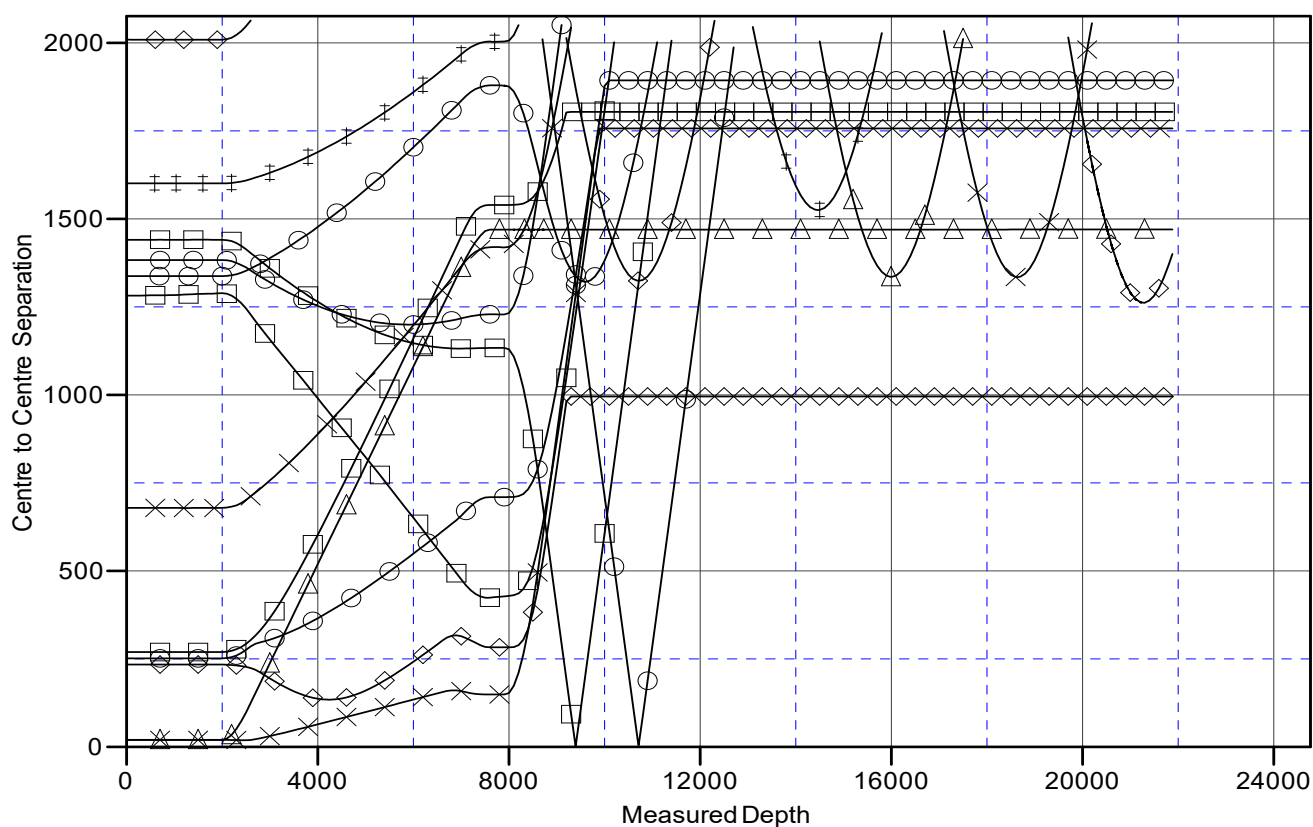
Central Meridian is -104.33333334

Coordinates are relative to: (02) Bond 32-34 FED COM #101H

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

Grid Convergence at Surface is: 0.294°

Ladder Plot



LEGEND

(01) Bond 32-34 FED COM 209H, 209H, Plan 2 V0	(W14) KEELA FEDERAL 003, 33340, (Inc Only) V0	(W27) TEXACO FEDERAL 001, 00886, (Depth Only) V0
(02) Bond 32-34 FED COM 301H, 301H, Plan 2 V0	(W17) MAX STATE 001, 28754, (Inc Only) V0	(W01) HULSTER 32 STATE 001, 35747, (Geo) V0
(03) Bond 32-34 FED COM 201H, 201H, Plan 2 V0	(W16) LEAR STATE SVD 003, 26703, (Inc Only) V0	(W11) HULSTER 004, 39571, (Inc Only) V0
(03) Bond 32-34 FED COM #103H, #103H, Plan 1 V0	(W12) HULSTER 005, 39572, (Inc Only) V0	(W18) MCKAY WEST FEDERAL 001, 24931, (Inc Only) V0
(01) Bond 32-34 FED COM #303H, #303H, Plan 1 V0	(W10) HULSTER 003, 39570, (Inc Only) V0	(W05) GULF FEDERAL 002, 26310, (Inc Only) V0
(W22) WATKINS 32 STATE 001, 31735, (Inc Only) V0	(W08) HULSTER 001, 38446, (Inc Only) V0	(W09) HULSTER 002, 38844, (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 (02) Bond 32-34 FED COM #101H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3723.50usft
Reference Site:	Bond North Pad - Phase 2	MD Reference:	RKB - 30.5 @ 3723.50usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	#101H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3723.50usft

Offset Depths are relative to Offset Datum

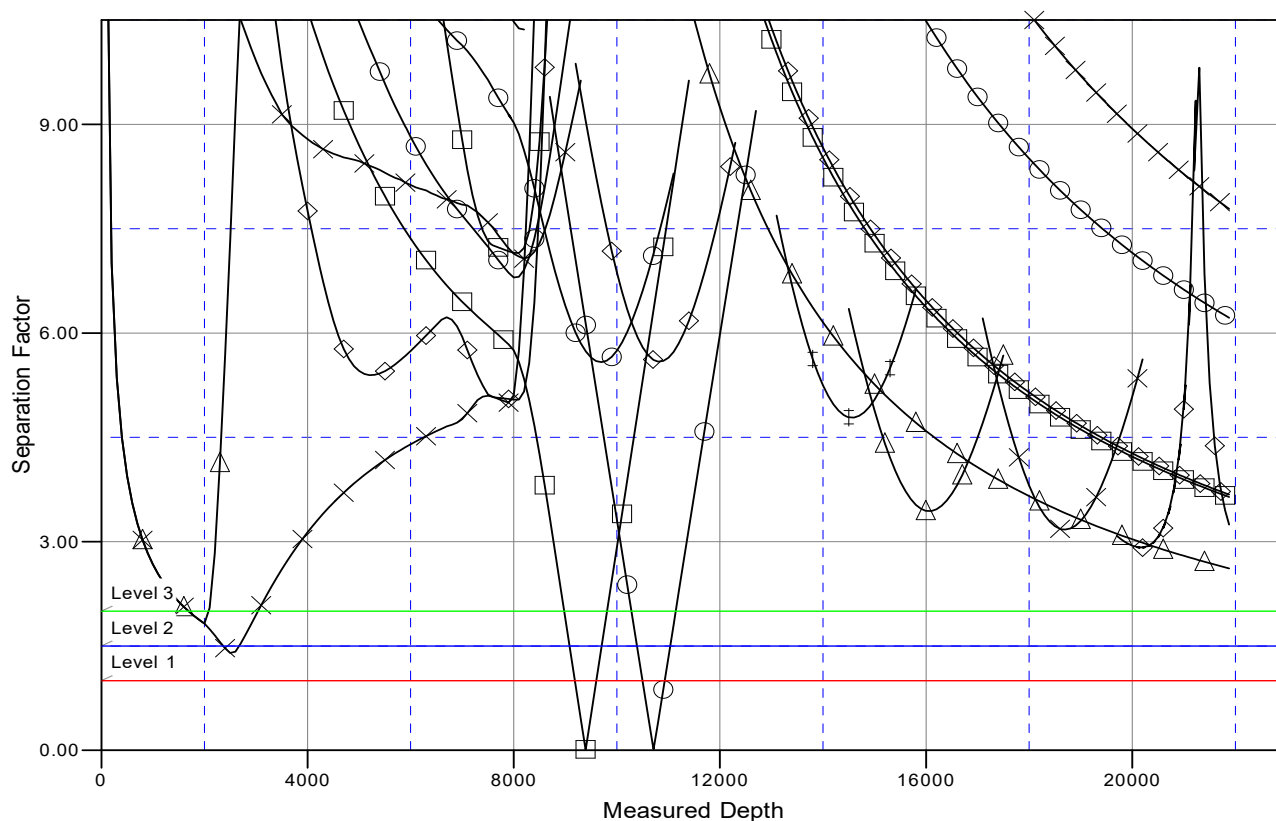
Central Meridian is -104.33333334

Coordinates are relative to: (02) Bond 32-34 FED COM #101H

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

Grid Convergence at Surface is: 0.294°

Separation Factor Plot



LEGEND



(01) Bond 32-34 FED COM 205H, 205H, Plan 2 V0
 (02) Bond 32-34 FED COM 301H, 301H, Plan 2 V0
 (03) Bond 32-34 FED COM 201H, 201H, Plan 2 V0
 (04) Bond 32-34 FED COM #103H, #103H, Plan 1 V0
 (01) Bond 32-34 FED COM #303H, #303H, Plan 1 V0
 (W22) WATKINS 32 STATE 001, 31735, (Inc Only) V0



(W14) KEEL A FEDERAL 003, 33340, (Inc Only) V0
 (W17) MAX STATE 001, 26754, (Inc Only) V0
 (W16) LEAR STATE SVD 003, 26703, (Inc Only) V0
 (W12) HULKSTER 005, 39572, (Inc Only) V0
 (W10) HULKSTER 003, 39570, (Inc Only) V0
 (W08) HULKSTER 001, 38446, (Inc Only) V0



(W27) TEXACO FEDERAL 001, 00886, (Depth Only) V0
 (W01) HULKSTER 32 STATE 001, 35747, (Depth Only) V0
 (W11) HULKSTER 004, 39571, (Inc Only) V0
 (W18) MCKAY WEST FEDERAL 001, 24931, (Inc Only) V0
 (W05) GULF FEDERAL 002, 26310, (Inc Only) V0
 (W09) HULKSTER 002, 38844, (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 2

(02) Bond 32-34 FED COM #101H

TBD

#101H

Plan: Plan 1

Standard Planning Report

03 December, 2025

DIXON



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#101H		
Design:	Plan 1		

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

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

Well	(02) Bond 32-34 FED COM #101H					
Well Position	+N/-S	0.00 usft	Northing:	621,311.79 usft	Latitude:	32.70684997
	+E/-W	0.00 usft	Easting:	708,505.97 usft	Longitude:	-103.78985210
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,693.00 usft
Grid Convergence:	0.294 °					

Wellbore	#101H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/2/2025	6.351	60.145	47,228.64494390

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

Plan Survey Tool Program	Date	12/3/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	21,880.45 Plan 1 (#101H)	MWD+IFR1	OWSG MWD + IFR1	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,545.23	10.90	356.82	2,541.94	51.65	-2.87	2.00	2.00	0.00	356.821	
7,042.55	10.90	356.82	6,958.06	901.12	-50.05	0.00	0.00	0.00	0.000	
7,587.78	0.00	89.83	7,500.00	952.76	-52.92	2.00	-2.00	0.00	180.000	
7,932.82	0.00	89.83	7,845.04	952.76	-52.92	0.00	0.00	0.00	0.000	
8,832.82	90.00	89.83	8,418.00	954.44	520.04	10.00	10.00	0.00	0.000	FTP/PP - (02) Bond 3
21,880.45	90.00	89.83	8,418.00	992.61	13,567.61	0.00	0.00	0.00	0.000	PBHL - (02) Bond 32-



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#101H		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,100.00	2.00	356.82	2,099.98	1.74	-0.10	-0.09	2.00	2.00	0.00
2,200.00	4.00	356.82	2,199.84	6.97	-0.39	-0.37	2.00	2.00	0.00
2,300.00	6.00	356.82	2,299.45	15.67	-0.87	-0.82	2.00	2.00	0.00
2,400.00	8.00	356.82	2,398.70	27.84	-1.55	-1.46	2.00	2.00	0.00
2,500.00	10.00	356.82	2,497.47	43.46	-2.41	-2.28	2.00	2.00	0.00
2,545.23	10.90	356.82	2,541.94	51.65	-2.87	-2.72	2.00	2.00	0.00
Start 4497.32 hold at 2545.23 MD									
2,600.00	10.90	356.82	2,595.73	61.99	-3.44	-3.26	0.00	0.00	0.00
2,700.00	10.90	356.82	2,693.92	80.88	-4.49	-4.25	0.00	0.00	0.00
2,800.00	10.90	356.82	2,792.11	99.77	-5.54	-5.25	0.00	0.00	0.00
2,900.00	10.90	356.82	2,890.31	118.66	-6.59	-6.24	0.00	0.00	0.00
3,000.00	10.90	356.82	2,988.50	137.55	-7.64	-7.23	0.00	0.00	0.00
3,100.00	10.90	356.82	3,086.70	156.44	-8.69	-8.22	0.00	0.00	0.00
3,200.00	10.90	356.82	3,184.89	175.32	-9.74	-9.22	0.00	0.00	0.00
3,300.00	10.90	356.82	3,283.09	194.21	-10.79	-10.21	0.00	0.00	0.00
3,400.00	10.90	356.82	3,381.28	213.10	-11.84	-11.20	0.00	0.00	0.00
3,500.00	10.90	356.82	3,479.47	231.99	-12.88	-12.20	0.00	0.00	0.00
3,600.00	10.90	356.82	3,577.67	250.88	-13.93	-13.19	0.00	0.00	0.00
3,700.00	10.90	356.82	3,675.86	269.76	-14.98	-14.18	0.00	0.00	0.00
3,800.00	10.90	356.82	3,774.06	288.65	-16.03	-15.17	0.00	0.00	0.00
3,900.00	10.90	356.82	3,872.25	307.54	-17.08	-16.17	0.00	0.00	0.00
4,000.00	10.90	356.82	3,970.45	326.43	-18.13	-17.16	0.00	0.00	0.00
4,100.00	10.90	356.82	4,068.64	345.32	-19.18	-18.15	0.00	0.00	0.00
4,200.00	10.90	356.82	4,166.84	364.21	-20.23	-19.15	0.00	0.00	0.00
4,300.00	10.90	356.82	4,265.03	383.09	-21.28	-20.14	0.00	0.00	0.00
4,400.00	10.90	356.82	4,363.22	401.98	-22.33	-21.13	0.00	0.00	0.00
4,500.00	10.90	356.82	4,461.42	420.87	-23.37	-22.13	0.00	0.00	0.00
4,600.00	10.90	356.82	4,559.61	439.76	-24.42	-23.12	0.00	0.00	0.00
4,700.00	10.90	356.82	4,657.81	458.65	-25.47	-24.11	0.00	0.00	0.00
4,800.00	10.90	356.82	4,756.00	477.54	-26.52	-25.10	0.00	0.00	0.00
4,900.00	10.90	356.82	4,854.20	496.42	-27.57	-26.10	0.00	0.00	0.00

Dixon Directional
Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#101H		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	10.90	356.82	4,952.39	515.31	-28.62	-27.09	0.00	0.00	0.00
5,100.00	10.90	356.82	5,050.58	534.20	-29.67	-28.08	0.00	0.00	0.00
5,200.00	10.90	356.82	5,148.78	553.09	-30.72	-29.08	0.00	0.00	0.00
5,300.00	10.90	356.82	5,246.97	571.98	-31.77	-30.07	0.00	0.00	0.00
5,400.00	10.90	356.82	5,345.17	590.87	-32.82	-31.06	0.00	0.00	0.00
5,500.00	10.90	356.82	5,443.36	609.75	-33.87	-32.06	0.00	0.00	0.00
5,600.00	10.90	356.82	5,541.56	628.64	-34.91	-33.05	0.00	0.00	0.00
5,700.00	10.90	356.82	5,639.75	647.53	-35.96	-34.04	0.00	0.00	0.00
5,800.00	10.90	356.82	5,737.94	666.42	-37.01	-35.03	0.00	0.00	0.00
5,900.00	10.90	356.82	5,836.14	685.31	-38.06	-36.03	0.00	0.00	0.00
6,000.00	10.90	356.82	5,934.33	704.20	-39.11	-37.02	0.00	0.00	0.00
6,100.00	10.90	356.82	6,032.53	723.08	-40.16	-38.01	0.00	0.00	0.00
6,200.00	10.90	356.82	6,130.72	741.97	-41.21	-39.01	0.00	0.00	0.00
6,300.00	10.90	356.82	6,228.92	760.86	-42.26	-40.00	0.00	0.00	0.00
6,400.00	10.90	356.82	6,327.11	779.75	-43.31	-40.99	0.00	0.00	0.00
6,500.00	10.90	356.82	6,425.31	798.64	-44.36	-41.99	0.00	0.00	0.00
6,600.00	10.90	356.82	6,523.50	817.53	-45.40	-42.98	0.00	0.00	0.00
6,700.00	10.90	356.82	6,621.69	836.41	-46.45	-43.97	0.00	0.00	0.00
6,800.00	10.90	356.82	6,719.89	855.30	-47.50	-44.96	0.00	0.00	0.00
6,900.00	10.90	356.82	6,818.08	874.19	-48.55	-45.96	0.00	0.00	0.00
7,000.00	10.90	356.82	6,916.28	893.08	-49.60	-46.95	0.00	0.00	0.00
7,042.55	10.90	356.82	6,958.06	901.12	-50.05	-47.37	0.00	0.00	0.00
Start Drop -2.00									
7,100.00	9.76	356.82	7,014.58	911.40	-50.62	-47.91	2.00	-2.00	0.00
7,200.00	7.76	356.82	7,113.41	926.60	-51.46	-48.71	2.00	-2.00	0.00
7,300.00	5.76	356.82	7,212.71	938.34	-52.11	-49.33	2.00	-2.00	0.00
7,400.00	3.76	356.82	7,312.36	946.62	-52.57	-49.77	2.00	-2.00	0.00
7,500.00	1.76	356.82	7,412.24	951.42	-52.84	-50.02	2.00	-2.00	0.00
7,587.78	0.00	89.83	7,500.00	952.76	-52.92	-50.09	2.00	-2.00	0.00
Start 345.04 hold at 7587.78 MD									
7,600.00	0.00	0.00	7,512.22	952.76	-52.92	-50.09	0.00	0.00	0.00
7,700.00	0.00	0.00	7,612.22	952.76	-52.92	-50.09	0.00	0.00	0.00
7,800.00	0.00	0.00	7,712.22	952.76	-52.92	-50.09	0.00	0.00	0.00
7,900.00	0.00	0.00	7,812.22	952.76	-52.92	-50.09	0.00	0.00	0.00
7,932.82	0.00	0.00	7,845.04	952.76	-52.92	-50.09	0.00	0.00	0.00
Start Build 10.00									
7,950.00	1.72	89.83	7,862.22	952.76	-52.66	-49.83	10.00	10.00	0.00
8,000.00	6.72	89.83	7,912.07	952.78	-48.98	-46.15	10.00	10.00	0.00
8,050.00	11.72	89.83	7,961.41	952.80	-40.97	-38.15	10.00	10.00	0.00
8,100.00	16.72	89.83	8,009.86	952.83	-28.70	-25.87	10.00	10.00	0.00
8,150.00	21.72	89.83	8,057.06	952.88	-12.24	-9.42	10.00	10.00	0.00
8,200.00	26.72	89.83	8,102.64	952.94	8.26	11.09	10.00	10.00	0.00
8,250.00	31.72	89.83	8,146.27	953.01	32.66	35.49	10.00	10.00	0.00
8,300.00	36.72	89.83	8,187.60	953.10	60.77	63.59	10.00	10.00	0.00
8,350.00	41.72	89.83	8,226.33	953.19	92.37	95.20	10.00	10.00	0.00
8,400.00	46.72	89.83	8,262.15	953.29	127.23	130.06	10.00	10.00	0.00
8,450.00	51.72	89.83	8,294.80	953.40	165.08	167.90	10.00	10.00	0.00
8,500.00	56.72	89.83	8,324.02	953.52	205.63	208.45	10.00	10.00	0.00
8,550.00	61.72	89.83	8,349.60	953.65	248.57	251.40	10.00	10.00	0.00
8,600.00	66.72	89.83	8,371.34	953.78	293.58	296.40	10.00	10.00	0.00
8,650.00	71.72	89.83	8,389.08	953.91	340.31	343.14	10.00	10.00	0.00
8,700.00	76.72	89.83	8,402.67	954.05	388.41	391.24	10.00	10.00	0.00
8,750.00	81.72	89.83	8,412.02	954.20	437.51	440.34	10.00	10.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#101H		
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)
8,800.00	86.72	89.83	8,417.06	954.34	487.24	490.07	10.00	10.00	0.00
8,832.82	90.00	89.83	8,418.00	954.44	520.04	522.87	10.00	10.00	0.00
Start 13047.63 hold at 8832.82 MD									
8,900.00	90.00	89.83	8,418.00	954.64	587.22	590.05	0.00	0.00	0.00
9,000.00	90.00	89.83	8,418.00	954.93	687.22	690.05	0.00	0.00	0.00
9,100.00	90.00	89.83	8,418.00	955.22	787.22	790.05	0.00	0.00	0.00
9,200.00	90.00	89.83	8,418.00	955.51	887.22	890.05	0.00	0.00	0.00
9,300.00	90.00	89.83	8,418.00	955.81	987.22	990.05	0.00	0.00	0.00
9,400.00	90.00	89.83	8,418.00	956.10	1,087.22	1,090.05	0.00	0.00	0.00
9,500.00	90.00	89.83	8,418.00	956.39	1,187.22	1,190.05	0.00	0.00	0.00
9,600.00	90.00	89.83	8,418.00	956.68	1,287.22	1,290.05	0.00	0.00	0.00
9,700.00	90.00	89.83	8,418.00	956.98	1,387.22	1,390.05	0.00	0.00	0.00
9,800.00	90.00	89.83	8,418.00	957.27	1,487.22	1,490.05	0.00	0.00	0.00
9,900.00	90.00	89.83	8,418.00	957.56	1,587.22	1,590.05	0.00	0.00	0.00
10,000.00	90.00	89.83	8,418.00	957.85	1,687.22	1,690.05	0.00	0.00	0.00
10,100.00	90.00	89.83	8,418.00	958.15	1,787.22	1,790.05	0.00	0.00	0.00
10,200.00	90.00	89.83	8,418.00	958.44	1,887.22	1,890.05	0.00	0.00	0.00
10,300.00	90.00	89.83	8,418.00	958.73	1,987.21	1,990.05	0.00	0.00	0.00
10,400.00	90.00	89.83	8,418.00	959.02	2,087.21	2,090.05	0.00	0.00	0.00
10,500.00	90.00	89.83	8,418.00	959.32	2,187.21	2,190.05	0.00	0.00	0.00
10,600.00	90.00	89.83	8,418.00	959.61	2,287.21	2,290.05	0.00	0.00	0.00
10,700.00	90.00	89.83	8,418.00	959.90	2,387.21	2,390.05	0.00	0.00	0.00
10,800.00	90.00	89.83	8,418.00	960.19	2,487.21	2,490.05	0.00	0.00	0.00
10,900.00	90.00	89.83	8,418.00	960.49	2,587.21	2,590.05	0.00	0.00	0.00
11,000.00	90.00	89.83	8,418.00	960.78	2,687.21	2,690.05	0.00	0.00	0.00
11,100.00	90.00	89.83	8,418.00	961.07	2,787.21	2,790.05	0.00	0.00	0.00
11,200.00	90.00	89.83	8,418.00	961.37	2,887.21	2,890.05	0.00	0.00	0.00
11,300.00	90.00	89.83	8,418.00	961.66	2,987.21	2,990.05	0.00	0.00	0.00
11,400.00	90.00	89.83	8,418.00	961.95	3,087.21	3,090.05	0.00	0.00	0.00
11,500.00	90.00	89.83	8,418.00	962.24	3,187.21	3,190.05	0.00	0.00	0.00
11,600.00	90.00	89.83	8,418.00	962.54	3,287.21	3,290.05	0.00	0.00	0.00
11,700.00	90.00	89.83	8,418.00	962.83	3,387.21	3,390.05	0.00	0.00	0.00
11,800.00	90.00	89.83	8,418.00	963.12	3,487.21	3,490.05	0.00	0.00	0.00
11,900.00	90.00	89.83	8,418.00	963.41	3,587.21	3,590.05	0.00	0.00	0.00
12,000.00	90.00	89.83	8,418.00	963.71	3,687.21	3,690.05	0.00	0.00	0.00
12,100.00	90.00	89.83	8,418.00	964.00	3,787.21	3,790.05	0.00	0.00	0.00
12,200.00	90.00	89.83	8,418.00	964.29	3,887.21	3,890.05	0.00	0.00	0.00
12,300.00	90.00	89.83	8,418.00	964.58	3,987.21	3,990.05	0.00	0.00	0.00
12,400.00	90.00	89.83	8,418.00	964.88	4,087.21	4,090.05	0.00	0.00	0.00
12,500.00	90.00	89.83	8,418.00	965.17	4,187.21	4,190.05	0.00	0.00	0.00
12,600.00	90.00	89.83	8,418.00	965.46	4,287.20	4,290.05	0.00	0.00	0.00
12,700.00	90.00	89.83	8,418.00	965.75	4,387.20	4,390.05	0.00	0.00	0.00
12,800.00	90.00	89.83	8,418.00	966.05	4,487.20	4,490.05	0.00	0.00	0.00
12,900.00	90.00	89.83	8,418.00	966.34	4,587.20	4,590.05	0.00	0.00	0.00
13,000.00	90.00	89.83	8,418.00	966.63	4,687.20	4,690.05	0.00	0.00	0.00
13,100.00	90.00	89.83	8,418.00	966.92	4,787.20	4,790.05	0.00	0.00	0.00
13,200.00	90.00	89.83	8,418.00	967.22	4,887.20	4,890.05	0.00	0.00	0.00
13,300.00	90.00	89.83	8,418.00	967.51	4,987.20	4,990.05	0.00	0.00	0.00
13,400.00	90.00	89.83	8,418.00	967.80	5,087.20	5,090.05	0.00	0.00	0.00
13,500.00	90.00	89.83	8,418.00	968.09	5,187.20	5,190.05	0.00	0.00	0.00
13,600.00	90.00	89.83	8,418.00	968.39	5,287.20	5,290.05	0.00	0.00	0.00
13,700.00	90.00	89.83	8,418.00	968.68	5,387.20	5,390.05	0.00	0.00	0.00
13,800.00	90.00	89.83	8,418.00	968.97	5,487.20	5,490.05	0.00	0.00	0.00
13,900.00	90.00	89.83	8,418.00	969.26	5,587.20	5,590.05	0.00	0.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#101H		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,000.00	90.00	89.83	8,418.00	969.56	5,687.20	5,690.05	0.00	0.00	0.00
14,100.00	90.00	89.83	8,418.00	969.85	5,787.20	5,790.05	0.00	0.00	0.00
14,200.00	90.00	89.83	8,418.00	970.14	5,887.20	5,890.05	0.00	0.00	0.00
14,300.00	90.00	89.83	8,418.00	970.43	5,987.20	5,990.05	0.00	0.00	0.00
14,400.00	90.00	89.83	8,418.00	970.73	6,087.20	6,090.05	0.00	0.00	0.00
14,500.00	90.00	89.83	8,418.00	971.02	6,187.20	6,190.05	0.00	0.00	0.00
14,600.00	90.00	89.83	8,418.00	971.31	6,287.20	6,290.05	0.00	0.00	0.00
14,700.00	90.00	89.83	8,418.00	971.60	6,387.20	6,390.05	0.00	0.00	0.00
14,800.00	90.00	89.83	8,418.00	971.90	6,487.20	6,490.05	0.00	0.00	0.00
14,900.00	90.00	89.83	8,418.00	972.19	6,587.20	6,590.05	0.00	0.00	0.00
15,000.00	90.00	89.83	8,418.00	972.48	6,687.19	6,690.05	0.00	0.00	0.00
15,100.00	90.00	89.83	8,418.00	972.77	6,787.19	6,790.05	0.00	0.00	0.00
15,200.00	90.00	89.83	8,418.00	973.07	6,887.19	6,890.05	0.00	0.00	0.00
15,300.00	90.00	89.83	8,418.00	973.36	6,987.19	6,990.05	0.00	0.00	0.00
15,400.00	90.00	89.83	8,418.00	973.65	7,087.19	7,090.05	0.00	0.00	0.00
15,500.00	90.00	89.83	8,418.00	973.94	7,187.19	7,190.05	0.00	0.00	0.00
15,600.00	90.00	89.83	8,418.00	974.24	7,287.19	7,290.05	0.00	0.00	0.00
15,700.00	90.00	89.83	8,418.00	974.53	7,387.19	7,390.05	0.00	0.00	0.00
15,800.00	90.00	89.83	8,418.00	974.82	7,487.19	7,490.05	0.00	0.00	0.00
15,900.00	90.00	89.83	8,418.00	975.11	7,587.19	7,590.05	0.00	0.00	0.00
16,000.00	90.00	89.83	8,418.00	975.41	7,687.19	7,690.05	0.00	0.00	0.00
16,100.00	90.00	89.83	8,418.00	975.70	7,787.19	7,790.05	0.00	0.00	0.00
16,200.00	90.00	89.83	8,418.00	975.99	7,887.19	7,890.05	0.00	0.00	0.00
16,300.00	90.00	89.83	8,418.00	976.28	7,987.19	7,990.05	0.00	0.00	0.00
16,400.00	90.00	89.83	8,418.00	976.58	8,087.19	8,090.05	0.00	0.00	0.00
16,500.00	90.00	89.83	8,418.00	976.87	8,187.19	8,190.05	0.00	0.00	0.00
16,600.00	90.00	89.83	8,418.00	977.16	8,287.19	8,290.05	0.00	0.00	0.00
16,700.00	90.00	89.83	8,418.00	977.45	8,387.19	8,390.05	0.00	0.00	0.00
16,800.00	90.00	89.83	8,418.00	977.75	8,487.19	8,490.05	0.00	0.00	0.00
16,900.00	90.00	89.83	8,418.00	978.04	8,587.19	8,590.05	0.00	0.00	0.00
17,000.00	90.00	89.83	8,418.00	978.33	8,687.19	8,690.05	0.00	0.00	0.00
17,100.00	90.00	89.83	8,418.00	978.63	8,787.19	8,790.05	0.00	0.00	0.00
17,200.00	90.00	89.83	8,418.00	978.92	8,887.19	8,890.05	0.00	0.00	0.00
17,300.00	90.00	89.83	8,418.00	979.21	8,987.18	8,990.05	0.00	0.00	0.00
17,400.00	90.00	89.83	8,418.00	979.50	9,087.18	9,090.05	0.00	0.00	0.00
17,500.00	90.00	89.83	8,418.00	979.80	9,187.18	9,190.05	0.00	0.00	0.00
17,600.00	90.00	89.83	8,418.00	980.09	9,287.18	9,290.05	0.00	0.00	0.00
17,700.00	90.00	89.83	8,418.00	980.38	9,387.18	9,390.05	0.00	0.00	0.00
17,800.00	90.00	89.83	8,418.00	980.67	9,487.18	9,490.05	0.00	0.00	0.00
17,900.00	90.00	89.83	8,418.00	980.97	9,587.18	9,590.05	0.00	0.00	0.00
18,000.00	90.00	89.83	8,418.00	981.26	9,687.18	9,690.05	0.00	0.00	0.00
18,100.00	90.00	89.83	8,418.00	981.55	9,787.18	9,790.05	0.00	0.00	0.00
18,200.00	90.00	89.83	8,418.00	981.84	9,887.18	9,890.05	0.00	0.00	0.00
18,300.00	90.00	89.83	8,418.00	982.14	9,987.18	9,990.05	0.00	0.00	0.00
18,400.00	90.00	89.83	8,418.00	982.43	10,087.18	10,090.05	0.00	0.00	0.00
18,500.00	90.00	89.83	8,418.00	982.72	10,187.18	10,190.05	0.00	0.00	0.00
18,600.00	90.00	89.83	8,418.00	983.01	10,287.18	10,290.05	0.00	0.00	0.00
18,700.00	90.00	89.83	8,418.00	983.31	10,387.18	10,390.05	0.00	0.00	0.00
18,800.00	90.00	89.83	8,418.00	983.60	10,487.18	10,490.05	0.00	0.00	0.00
18,900.00	90.00	89.83	8,418.00	983.89	10,587.18	10,590.05	0.00	0.00	0.00
19,000.00	90.00	89.83	8,418.00	984.18	10,687.18	10,690.05	0.00	0.00	0.00
19,100.00	90.00	89.83	8,418.00	984.48	10,787.18	10,790.05	0.00	0.00	0.00
19,200.00	90.00	89.83	8,418.00	984.77	10,887.18	10,890.05	0.00	0.00	0.00
19,300.00	90.00	89.83	8,418.00	985.06	10,987.18	10,990.05	0.00	0.00	0.00



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#101H		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,400.00	90.00	89.83	8,418.00	985.35	11,087.18	11,090.05	0.00	0.00	0.00	
19,500.00	90.00	89.83	8,418.00	985.65	11,187.18	11,190.05	0.00	0.00	0.00	
19,600.00	90.00	89.83	8,418.00	985.94	11,287.18	11,290.05	0.00	0.00	0.00	
19,700.00	90.00	89.83	8,418.00	986.23	11,387.17	11,390.05	0.00	0.00	0.00	
19,800.00	90.00	89.83	8,418.00	986.52	11,487.17	11,490.05	0.00	0.00	0.00	
19,900.00	90.00	89.83	8,418.00	986.82	11,587.17	11,590.05	0.00	0.00	0.00	
20,000.00	90.00	89.83	8,418.00	987.11	11,687.17	11,690.05	0.00	0.00	0.00	
20,100.00	90.00	89.83	8,418.00	987.40	11,787.17	11,790.05	0.00	0.00	0.00	
20,200.00	90.00	89.83	8,418.00	987.69	11,887.17	11,890.05	0.00	0.00	0.00	
20,300.00	90.00	89.83	8,418.00	987.99	11,987.17	11,990.05	0.00	0.00	0.00	
20,400.00	90.00	89.83	8,418.00	988.28	12,087.17	12,090.05	0.00	0.00	0.00	
20,500.00	90.00	89.83	8,418.00	988.57	12,187.17	12,190.05	0.00	0.00	0.00	
20,600.00	90.00	89.83	8,418.00	988.86	12,287.17	12,290.05	0.00	0.00	0.00	
20,700.00	90.00	89.83	8,418.00	989.16	12,387.17	12,390.05	0.00	0.00	0.00	
20,800.00	90.00	89.83	8,418.00	989.45	12,487.17	12,490.05	0.00	0.00	0.00	
20,900.00	90.00	89.83	8,418.00	989.74	12,587.17	12,590.05	0.00	0.00	0.00	
21,000.00	90.00	89.83	8,418.00	990.03	12,687.17	12,690.05	0.00	0.00	0.00	
21,100.00	90.00	89.83	8,418.00	990.33	12,787.17	12,790.05	0.00	0.00	0.00	
21,200.00	90.00	89.83	8,418.00	990.62	12,887.17	12,890.05	0.00	0.00	0.00	
21,300.00	90.00	89.83	8,418.00	990.91	12,987.17	12,990.05	0.00	0.00	0.00	
21,400.00	90.00	89.83	8,418.00	991.20	13,087.17	13,090.05	0.00	0.00	0.00	
21,500.00	90.00	89.83	8,418.00	991.50	13,187.17	13,190.05	0.00	0.00	0.00	
21,600.00	90.00	89.83	8,418.00	991.79	13,287.17	13,290.05	0.00	0.00	0.00	
21,700.00	90.00	89.83	8,418.00	992.08	13,387.17	13,390.05	0.00	0.00	0.00	
21,800.00	90.00	89.83	8,418.00	992.37	13,487.17	13,490.05	0.00	0.00	0.00	
21,880.45	90.00	89.83	8,418.00	992.61	13,567.61	13,570.50	0.00	0.00	0.00	
TD at 21880.44										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
PBHL - (02) Bond 32-34 - hit/miss target - Shape - Point	0.00	0.00	8,418.00	992.61	13,567.61	622,304.40	722,073.58	32.70937931	-103.74572650	
FTP/PP - (02) Bond 32-34 - plan hits target center - Point	0.00	0.00	8,418.00	954.44	520.04	622,266.23	709,026.01	32.70946597	-103.78814551	
LTP - (02) Bond 32-34 F - plan misses target center by 30.44usft at 21800.00usft MD (8418.00 TVD, 992.37 N, 13487.17 E) - Point	0.00	0.00	8,418.00	992.43	13,517.61	622,304.22	722,023.58	32.70937957	-103.74588906	



Dixon Directional Planning Report

Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 32-34 FED COM #101H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3723.50usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3723.50usft
Site:	Bond North Pad - Phase 2	North Reference:	Grid
Well:	(02) Bond 32-34 FED COM #101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	#101H		
Design:	Plan 1		

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
2,545.23	2,541.94	51.65	-2.87	Start 4497.32 hold at 2545.23 MD
7,042.55	6,958.06	901.12	-50.05	Start Drop -2.00
7,587.78	7,500.00	952.76	-52.92	Start 345.04 hold at 7587.78 MD
7,932.82	7,845.04	952.76	-52.92	Start Build 10.00
8,832.82	8,418.00	954.44	520.04	Start 13047.63 hold at 8832.82 MD
21,880.45	8,418.00	992.61	13,567.61	TD at 21880.44

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 543155

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 543155
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☒	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
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CONDITIONS

Action 543155

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 543155
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

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