

Well Name: ZIA HILLS UNIT 2032 WC	Well Location: T26S / R32E / SEC 20 / NWSW / 32.028064 / -103.7031817	County or Parish/State: LEA / NM
Well Number: 752H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC068281B	Unit or CA Name: BONE SPRING FORMATION PA "A"	Unit or CA Number: NMNM138329B
US Well Number: 3002552539	Operator: CONOCOPHILLIPS COMPANY	

Notice of Intent

Sundry ID: 2816787

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/14/2024	Time Sundry Submitted: 10:11
Date proposed operation will begin: 10/14/2024	

Procedure Description: ConocoPhillips Company requests a change to our approved APD for this well to reflect a change from a 3-string casing design to a 4-string casing design. Change surface casing FROM: Surface: 14.75 inch hole, 10.75 inch, 45.5#, J55, BTC, 0-1350 ft. Inter: 9.875 inch hole, 7.625 inch, 29.7#, L80, TXP BTC, 0-8500 ft. 8.75 inch hole, 7.625 inch, 29.7#, P-110, W513, 8500-11132 ft. Prod: 6.75 inch hole, 5.5 inch, 23#, P-110, TXP BTC, 0-10632 ft. 6.75 inch hole, 5.5 inch, 23#, P-110, W441, 10632-21409 ft. Change Casing TO: Surface: 17.5 inch hole, 13.375 inch, 54.5#, J-55 BTC, 0-1410 ft. Intermediate: 12.25 inch hole, 9.625 inch, 40#, L-80, BTC, 0-4140 ft. 8.75 inch hole, 7.625 inch, 29.7 P-110, W513, 3940 – 11350 ft. Production: 6.75 inch hole, 5.5 inch, 23#, P-110, BTC 0-11150 ft. 6.75 inch hole, 5.5 inch, 23#, W441, 11150 – 21410 ft. Also, ConocoPhillips requests a variance to allow for break testing as attached. Detailed contingency casing plan and procedure attached.

NOI Attachments

Procedure Description

- COP_BOP_Break_Testing_Documentation_6_07_23_20241014101101.pdf
- ZIA_HILLS_UNIT_2032_WC_752H_PWP0_DIR_RPT_20241014101043.pdf
- ZIA_HILLS_UNIT_2032_WC_752H_PWP0_WPLOT_20241014101043.pdf
- ZIA_HILLS_UNIT_2032_WC_752H_revised_drilling_procedure_10_14_24_20241014101043.pdf
- ZIA_HILLS_UNIT_2032_WC_752H_PWP0_AC_RPT_20241014101043.pdf

Received by OCD: 10/23/2024 7:52:18 AM

Page 2 of 80

Well Name: ZIA HILLS UNIT 2032 WC	Well Location: T26S / R32E / SEC 20 / NWSW / 32.028064 / -103.7031817	County or Parish/State: LEA / NM
Well Number: 752H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC068281B	Unit or CA Name: BONE SPRING FORMATION PA "A"	Unit or CA Number: NMNM138329B
US Well Number: 3002552539	Operator: CONOCOPHILLIPS COMPANY	

Conditions of Approval

Additional

ZIA_HILLS_UNIT_2032_WC_752H_COAs_20241022094502.pdf

SEC20_T26S_R32E_ZIA_HILLS_UNIT_2032_WC_Lea_CONOCOPHILLIPS_COMPANY_45587_JS_20241022094502.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: STAN WAGNER Signed on: OCT 14, 2024 10:11 AM

Name: CONOCOPHILLIPS COMPANY

Title: Regulatory Advisor

Street Address: 600 WEST ILLINOIS AVE

City: MIDLAND State: TX

Phone: (432) 253-9685

Email address: STAN.S.WAGNER@CONOCOPHILLIPS.COM

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234 BLM POC Email Address: cwalls@blm.gov

Disposition: Approved Disposition Date: 10/22/2024

Signature: Chris Walls

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
SUNDRY NOTICES AND REPORTS ON WELLS <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State

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

8.75 inch hole, 7.625 inch, 29.7 P-110, W513, 3940 11350 ft.

Production: 6.75 inch hole, 5.5 inch, 23#, P-110, BTC 0-11150 ft.

6.75 inch hole, 5.5 inch, 23#, W441, 11150 21410 ft.

Also, ConocoPhillips requests a variance to allow for break testing as attached.

Detailed contingency casing plan and procedure attached.

Location of Well

0. SHL: NWSW / 2632 FSL / 800 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.028064 / LONG: -103.7031817 (TVD: 0 feet, MD: 0 feet)

PPP: NWSW / 2620 FSL / 414 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0280285 / LONG: -103.7044272 (TVD: 11662 feet, MD: 11718 feet)

PPP: NWNW / 1 FNL / 414 FWL / TWSP: 26S / RANGE: 32E / SECTION: 29 / LAT: 32.020826 / LONG: -103.704432 (TVD: 11911 feet, MD: 14339 feet)

BHL: LOT 4 / 50 FSL / 414 FWL / TWSP: 26S / RANGE: 32E / SECTION: 32 / LAT: 32.0003532 / LONG: -103.7044039 (TVD: 11911 feet, MD: 21409 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	ZIA HILLS UNIT 2032 WC 752H
SURFACE HOLE FOOTAGE:	2632'/S & 800'/W
BOTTOM HOLE FOOTAGE:	50'/S & 414'/W
LOCATION:	Section 20 T.26 S., R.32 E., NMP
COUNTY:	Lea County, New Mexico

COA

H2S	☒ Yes	☐ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☐ Low	☒ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Wellhead Variance	☐ Diverter		
Other	☐ 4 String	☐ Capitan Reef	☐ WIPP
Other	☒ Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	☐ Contingency Cement Squeeze	☐ EchoMeter	☐ Primary Cement Squeeze
Special Requirements	☐ Water Disposal	☐ COM	☒ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements Variance	☒ Break Testing	☐ Offline Cementing	☒ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 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

Primary Casing Design:

1. The 13-3/8 inch surface casing shall be set at approximately **1410 feet** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. **Keep casing full during run for collapse safety factor.** 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.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.
 - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
3. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the **7-5/8** inch intermediate liner is:
 - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.
4. 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.
 - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

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. 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 **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (70% Working Pressure) 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 OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months. (This is not necessary for secondary recovery unit wells)

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system))

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.

- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Casing Clearance:

- The W441 connection should tie back 500'+ into the W513 intermediate casing for clearance overlap.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are adequate "coffee ground or less" before cementing.

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)

☒ Eddy County

EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

BLM_NM_CFO_DrillingNotifications@BLM.GOV

(575) 361-2822

☒ 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
 - 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 dog house 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.

JS 10/22/2024

SEC20-T26S-R32E_ZIA HILLS UNIT 2032 WC_Lea__CONOCOPHILLIPS COMPANY_45587_JS

ZIA HILLS UNIT 2032 WC

13 3/8		surface csg in a		17 1/2	inch hole.		Design Factors			Surface			
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50			J 55	BTC	11.10	1.75	0.46	1,410	4	0.80	3.38	76,845
"B"					BTC				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,296					Tail Cmt	does not	circ to sfc.	Totals:	1,410				76,845
Comparison of Proposed to Minimum Required Cement Volumes													
Hole	Annular	1 Stage		1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx		CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
17 1/2	0.6946	1090		1805	979	84	8.80	3429	5M				1.56
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.													
Alt burst ok													

9 5/8		casing inside the		13 3/8		Design Factors				Int 1			
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00			L 80	BTC	5.53	1.44	0.97	4,140	1	1.68	2.49	165,600
"B"									0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500									Totals:	4,140			165,600
The cement volume(s) are intended to achieve a top of						0	ft from surface or a		1410			overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx		1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg	
12 1/4	0.3132	1000		1594	1366	17	10.00	3429	5M			0.81	
D V Tool(s):								sum of sx	Σ CuFt				Σ%excess
t by stage % :		#VALUE!		#VALUE!				1000	1594				17
Class 'H' tail cmt yld > 1.20													
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1.39, b, c, d All > 0.70, OK.													
Alt Burst ok, Does not meet CFO 25% excess													

7 5/8		Liner w/top @		3940		Design Factors				Liner			
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	29.70	P 110		W-513	2.53	0.9	1.13	7,510	2	1.65	1.56	223,047	
"B"				0.00				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,519								Totals:	7,510				223,047
The cement volume(s) are intended to achieve a top of						3940	ft from surface or a		200			overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
8 3/4	0.1005	290	782	756	3	10.00	5747	10M				0.56	
Class 'C' tail cmt yld > 1.35													MASP is within 10% of 5000psig, need exrta equip?
													Keep Casing Full, Does not meet CFO 25% excess

Tail cmt													
5 1/2		casing inside the		7 5/8		Design Factors				Prod 1			
Segment	#/ft	Grade		Coupling		Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	23.00	P 110		BTC		2.64	1.84	1.48	11,250	1	2.15	2.69	258,750
"B"	23.00	P 110		W-441		6.53	1.59	1.74	10,644	2	2.53	2.53	244,812
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,475									Totals:		21,894		503,562
The cement volume(s) are intended to achieve a top of						11250	ft from surface or a		200			overlap.	
Hole	Annular	1 Stage		1 Stage		Min	1 Stage	Drilling	Calc			Min Dist	
Size	Volume	Cmt Sx		CuFt Cmt		Cu Ft	% Excess	Mud Wt	MASP			Req'd	Hole-Cplg
6 3/4	0.0835	1580		2226		891	150	13.50		BOPE		0.43	
Class 'H' tail cmt yld > 1.20				Capitan Reef est top XXXX.				MASP is within 10% of 5000psig, need exrta equip?					

BOPE Break Testing Variance

Initial and 21 Day Testing of 10K BOP's:

Component	High Test Pressure	Low Test Pressure	Duration
Annular Preventer	5,000 psig	250 psig	10 min
Rams	5,000 psig	250 psig	10 min
Manifold	5,000 psig	250 psig	10 min
Wellhead	1,500 psig	-	10 min
Upper / Lower / Kelly Valves	5,000 psig	250 psig	10 min
TIW safety valves / Dart	5,000 psig	250 psig	10 min
Standpipe and mud line to pumps	5,000 psig	250 psig	10 min
Surface Casing (with 8.4 ppg fluid)	1,500 psig	-	30 min

*Equipment satisfies 10M BOPE but break test variance applies to 5M system

COG Production LLC formally requests variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow break/shell testing of blowout preventor (BOP) and blowout prevention equipment (BOPE) during batch drilling operations of the intermediate hole section. This variance only applies to 5M BOPE or less formation.

Initial testing of the BOP will be conducted, verifying all components of BOP, BOPE, and choke manifold meet the minimum and maximum anticipated surface pressure (MASP) in accordance with API RP 53 and Onshore Order No. 2, reference table above. Once initial test pressures are achieved, shell testing of the BOP and choke manifold would be conducted within the time limit from initial test to the congruent 21-day test. A complete pressure test of the BOPE components will be completed no later than 21 days following the completion of the initial pressure test or latest complete BOP pressure test date succeeding the initial test, per API RP 53 (6.5.3.4.1 (d)).

BOP and BOPE Testing

- Minimum of Class 3 stack arrangement with one set of blind/blind shear rams and pipe rams shall be installed for a 5K pressure rated system per API RP 53 (6.1.2.9)
 - Classification - COP minimum of Class 3 arrangement apply for all Delaware Basin area wells.
 - Arrangement - Annular preventer, upper pipe rams, blind rams, mud cross, lower pipe rams
- Complete BOP and BOPE test performed at initial installation on well pad.
 - Initial test performed on well with deepest planned intermediate hole section (allowable 200' TVD variance between intermediate hole sections)
 - Annular preventer tested to 100 percent of MASP, or 70 percent of rated working pressure (RWP), whichever is greater.
 - Notify BLM 4 Hrs. prior to testing
- Complete BOP and BOPE test every 21 days in accordance with API RP 53 (6.5.3.4.1 (d)).
- BOP/BOPE shell test (inclusive of manifold shell test) performed during batch drilling operations during rig transition between wells (within the 21-day time limit per API RP 53).
- Function test BOP elements per API RP 53 (6.5.3.1).
 - Required on (1) initial installation of stack, (2) every 7 days, (3) after repair/replacement of any control components
 - Alternate between drillers panel and remote panel

Securing the Wellhead

- Prior to moving rig off check for flow
 - Ensure floats are holding, casing is full of kill mud and backside is static.
- Secure the well with sleeve/plug with BPV
- Disconnect BOP from the wellhead and walk with the rig to another well on the pad.
 - Utilizing BOP wrangler/cradle, maintaining control and upright position of the BOP during movement
- Once BOP is separated from wellhead the Temporary Abandonment (TA) cap will be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- Test TA cap to 5,000 psi for 10 min.

COG Production LLC believes that the combination of drilling fluid inside the casing, abandonment plug with BPV, casing and annular valves and the TA cap provide multiple barriers to ensure complete closure of the wellbore prior to skidding/walking the rig.

Break Testing

- Skid rig over the next well on pad and center over wellhead, N/U BOP with the use of the BOP quick connect.
- Shell test the BOP and choke manifold to 5,000 psig and 250 psig. Hold each test for 10 minutes.
 - In accordance with API RP 53 (6.5.3.4.1(b)) BOP shell test will satisfy pressure test of quick connect seals
 - Notify BLM 4 hours prior to testing
- RWP of BOP quick connect is 10K (Certificate of Conformance attached)

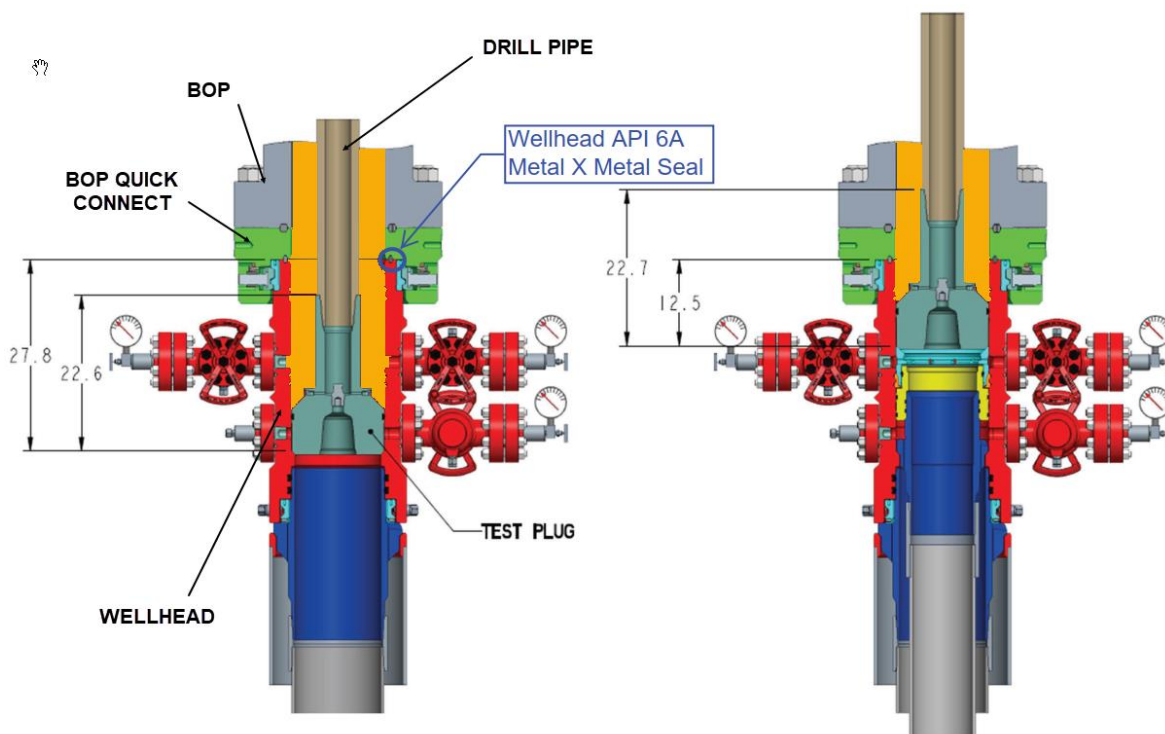


Figure 1: Test plug installed (The orange sections above indicate the areas exposed to the pressure test)

Example Well Control Plan Content

A. Well Control Component Table

This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the BOP nipped up to the wellhead.

Intermediate hole section, 5M requirement

Component	RWP
Pack-off	10M
Casing Wellhead Valves	10M
Annular Wellhead Valves	5M
TA Plug	10M
Float Valves	5M
2" 1502 Lo-Torque Valves	10M

B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while circulating.

General Procedure

1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut in.
5. Notify tool pusher/company representative.
6. Read and record the following:
 - a. SICP (Shut in Casing Pressure) and AP (Annular Pressure)
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan to continue circulating out kick via rig choke and mud/gas separator. Circulate and adjust mud density as needed to control well.

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #752H

OWB

Plan: PWP0

Standard Planning Report

25 January, 2023

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project	LEA PROSPECT (NM-E)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	ZIA HILLS UNIT 2032 PROJECT		
Site Position:		Northing:	374,625.63 usft
From:	Map	Easting:	698,628.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 42.026 N
		Longitude:	103° 41' 32.623 W

Well	ZIA HILLS UNIT 2032 WC #752H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	3.0 usft	Wellhead Elevation:	
Grid Convergence:	0.33 °		
		Latitude:	32° 1' 40.580 N
		Longitude:	103° 42' 9.758 W
		Ground Level:	3,174.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	12/31/2023	6.33	59.53	47,264.98552222

Design	PWP0				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	181.82	

Plan Survey Tool Program		Date	1/25/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp		
2	1,500.0	11,479.8 PWP0 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,479.8	21,409.6 PWP0 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	10.00	222.00	1,997.5	-32.3	-29.1	2.00	2.00	0.00	222.00	
4,545.2	10.00	222.00	4,504.0	-360.8	-324.9	0.00	0.00	0.00	0.00	
5,545.2	0.00	0.00	5,498.9	-425.5	-383.1	1.00	-1.00	0.00	180.00	
11,479.8	0.00	0.00	11,433.5	-425.5	-383.1	0.00	0.00	0.00	0.00	
12,229.8	90.00	179.63	11,911.0	-902.9	-380.0	12.00	12.00	23.95	179.63	
21,359.6	90.00	179.63	11,911.0	-10,032.5	-320.5	0.00	0.00	0.00	0.00	
21,409.6	90.00	179.63	11,911.0	-10,082.6	-320.2	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	222.00	1,600.0	-1.3	-1.2	1.3	2.00	2.00	0.00
1,700.0	4.00	222.00	1,699.8	-5.2	-4.7	5.3	2.00	2.00	0.00
1,800.0	6.00	222.00	1,799.5	-11.7	-10.5	12.0	2.00	2.00	0.00
1,900.0	8.00	222.00	1,898.7	-20.7	-18.7	21.3	2.00	2.00	0.00
2,000.0	10.00	222.00	1,997.5	-32.3	-29.1	33.3	2.00	2.00	0.00
Start 2545.2 hold at 2000.0 MD									
2,100.0	10.00	222.00	2,095.9	-45.2	-40.7	46.5	0.00	0.00	0.00
2,200.0	10.00	222.00	2,194.4	-58.2	-52.4	59.8	0.00	0.00	0.00
2,300.0	10.00	222.00	2,292.9	-71.1	-64.0	73.1	0.00	0.00	0.00
2,400.0	10.00	222.00	2,391.4	-84.0	-75.6	86.3	0.00	0.00	0.00
2,500.0	10.00	222.00	2,489.9	-96.9	-87.2	99.6	0.00	0.00	0.00
2,600.0	10.00	222.00	2,588.3	-109.8	-98.8	112.9	0.00	0.00	0.00
2,700.0	10.00	222.00	2,686.8	-122.7	-110.5	126.1	0.00	0.00	0.00
2,800.0	10.00	222.00	2,785.3	-135.6	-122.1	139.4	0.00	0.00	0.00
2,900.0	10.00	222.00	2,883.8	-148.5	-133.7	152.7	0.00	0.00	0.00
3,000.0	10.00	222.00	2,982.3	-161.4	-145.3	165.9	0.00	0.00	0.00
3,100.0	10.00	222.00	3,080.8	-174.3	-156.9	179.2	0.00	0.00	0.00
3,200.0	10.00	222.00	3,179.2	-187.2	-168.6	192.5	0.00	0.00	0.00
3,300.0	10.00	222.00	3,277.7	-200.1	-180.2	205.7	0.00	0.00	0.00
3,400.0	10.00	222.00	3,376.2	-213.0	-191.8	219.0	0.00	0.00	0.00
3,500.0	10.00	222.00	3,474.7	-225.9	-203.4	232.3	0.00	0.00	0.00
3,600.0	10.00	222.00	3,573.2	-238.8	-215.0	245.5	0.00	0.00	0.00
3,700.0	10.00	222.00	3,671.6	-251.7	-226.7	258.8	0.00	0.00	0.00
3,800.0	10.00	222.00	3,770.1	-264.6	-238.3	272.1	0.00	0.00	0.00
3,900.0	10.00	222.00	3,868.6	-277.5	-249.9	285.3	0.00	0.00	0.00
4,000.0	10.00	222.00	3,967.1	-290.4	-261.5	298.6	0.00	0.00	0.00
4,100.0	10.00	222.00	4,065.6	-303.3	-273.1	311.9	0.00	0.00	0.00
4,200.0	10.00	222.00	4,164.0	-316.2	-284.7	325.1	0.00	0.00	0.00
4,300.0	10.00	222.00	4,262.5	-329.1	-296.4	338.4	0.00	0.00	0.00
4,400.0	10.00	222.00	4,361.0	-342.1	-308.0	351.7	0.00	0.00	0.00
4,500.0	10.00	222.00	4,459.5	-355.0	-319.6	364.9	0.00	0.00	0.00
4,545.2	10.00	222.00	4,504.0	-360.8	-324.9	370.9	0.00	0.00	0.00
Start Drop -1.00									
4,600.0	9.45	222.00	4,558.0	-367.7	-331.1	378.0	1.00	-1.00	0.00
4,700.0	8.45	222.00	4,656.8	-379.2	-341.5	389.9	1.00	-1.00	0.00
4,800.0	7.45	222.00	4,755.8	-389.5	-350.7	400.5	1.00	-1.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.0	6.45	222.00	4,855.1	-398.5	-358.8	409.7	1.00	-1.00	0.00
5,000.0	5.45	222.00	4,954.6	-406.2	-365.8	417.6	1.00	-1.00	0.00
5,100.0	4.45	222.00	5,054.2	-412.6	-371.5	424.2	1.00	-1.00	0.00
5,200.0	3.45	222.00	5,153.9	-417.8	-376.1	429.5	1.00	-1.00	0.00
5,300.0	2.45	222.00	5,253.8	-421.6	-379.6	433.4	1.00	-1.00	0.00
5,400.0	1.45	222.00	5,353.7	-424.1	-381.9	436.0	1.00	-1.00	0.00
5,500.0	0.45	222.00	5,453.7	-425.3	-383.0	437.3	1.00	-1.00	0.00
5,545.2	0.00	0.00	5,498.9	-425.5	-383.1	437.4	1.00	-1.00	0.00
Start 5934.6 hold at 5545.2 MD									
5,600.0	0.00	0.00	5,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
10,100.0	0.00	0.00	10,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,200.0	0.00	0.00	10,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,300.0	0.00	0.00	10,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,400.0	0.00	0.00	10,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,500.0	0.00	0.00	10,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,600.0	0.00	0.00	10,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,700.0	0.00	0.00	10,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,800.0	0.00	0.00	10,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,900.0	0.00	0.00	10,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,000.0	0.00	0.00	10,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,100.0	0.00	0.00	11,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,200.0	0.00	0.00	11,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,300.0	0.00	0.00	11,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,400.0	0.00	0.00	11,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,479.8	0.00	0.00	11,433.5	-425.5	-383.1	437.4	0.00	0.00	0.00
Start DLS 12.00 TFO 179.63									
11,500.0	2.42	179.63	11,453.7	-425.9	-383.1	437.9	12.00	12.00	0.00
11,525.0	5.42	179.63	11,478.7	-427.6	-383.1	439.6	12.00	12.00	0.00
11,550.0	8.42	179.63	11,503.5	-430.6	-383.1	442.6	12.00	12.00	0.00
11,575.0	11.42	179.63	11,528.1	-434.9	-383.0	446.9	12.00	12.00	0.00
11,600.0	14.42	179.63	11,552.5	-440.5	-383.0	452.5	12.00	12.00	0.00
11,625.0	17.42	179.63	11,576.5	-447.4	-383.0	459.3	12.00	12.00	0.00
11,650.0	20.42	179.63	11,600.1	-455.5	-382.9	467.4	12.00	12.00	0.00
11,675.0	23.42	179.63	11,623.3	-464.8	-382.8	476.8	12.00	12.00	0.00
11,700.0	26.42	179.63	11,646.0	-475.4	-382.8	487.3	12.00	12.00	0.00
11,725.0	29.42	179.63	11,668.1	-487.1	-382.7	499.0	12.00	12.00	0.00
11,750.0	32.42	179.63	11,689.5	-499.9	-382.6	511.8	12.00	12.00	0.00
11,775.0	35.42	179.63	11,710.3	-513.9	-382.5	525.8	12.00	12.00	0.00
11,800.0	38.42	179.63	11,730.3	-528.9	-382.4	540.8	12.00	12.00	0.00
11,825.0	41.42	179.63	11,749.4	-544.9	-382.3	556.8	12.00	12.00	0.00
11,850.0	44.42	179.63	11,767.7	-561.9	-382.2	573.8	12.00	12.00	0.00
11,875.0	47.42	179.63	11,785.1	-579.9	-382.1	591.7	12.00	12.00	0.00
11,900.0	50.42	179.63	11,801.6	-598.7	-382.0	610.6	12.00	12.00	0.00
11,925.0	53.42	179.63	11,817.0	-618.4	-381.8	630.2	12.00	12.00	0.00
11,950.0	56.42	179.63	11,831.3	-638.9	-381.7	650.7	12.00	12.00	0.00
11,975.0	59.42	179.63	11,844.6	-660.1	-381.6	671.8	12.00	12.00	0.00
12,000.0	62.42	179.63	11,856.8	-681.9	-381.4	693.7	12.00	12.00	0.00
12,025.0	65.42	179.63	11,867.7	-704.4	-381.3	716.1	12.00	12.00	0.00
12,050.0	68.42	179.63	11,877.5	-727.4	-381.1	739.1	12.00	12.00	0.00
12,075.0	71.42	179.63	11,886.1	-750.8	-381.0	762.6	12.00	12.00	0.00
12,100.0	74.42	179.63	11,893.5	-774.7	-380.8	786.4	12.00	12.00	0.00
12,125.0	77.42	179.63	11,899.5	-799.0	-380.7	810.7	12.00	12.00	0.00
12,150.0	80.42	179.63	11,904.3	-823.5	-380.5	835.2	12.00	12.00	0.00
12,175.0	83.42	179.63	11,907.9	-848.2	-380.3	859.9	12.00	12.00	0.00
12,200.0	86.42	179.63	11,910.1	-873.1	-380.2	884.8	12.00	12.00	0.00
12,225.0	89.42	179.63	11,911.0	-898.1	-380.0	909.7	12.00	12.00	0.00
12,229.8	90.00	179.63	11,911.0	-902.9	-380.0	914.6	12.00	12.00	0.00
Start 9129.8 hold at 12229.8 MD									
12,300.0	90.00	179.63	11,911.0	-973.1	-379.5	984.7	0.00	0.00	0.00
12,400.0	90.00	179.63	11,911.0	-1,073.1	-378.9	1,084.6	0.00	0.00	0.00
12,500.0	90.00	179.63	11,911.0	-1,173.1	-378.2	1,184.5	0.00	0.00	0.00
12,600.0	90.00	179.63	11,911.0	-1,273.1	-377.6	1,284.5	0.00	0.00	0.00
12,700.0	90.00	179.63	11,911.0	-1,373.1	-376.9	1,384.4	0.00	0.00	0.00
12,800.0	90.00	179.63	11,911.0	-1,473.1	-376.3	1,484.3	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
12,900.0	90.00	179.63	11,911.0	-1,573.1	-375.6	1,584.3	0.00	0.00	0.00
13,000.0	90.00	179.63	11,911.0	-1,673.1	-375.0	1,684.2	0.00	0.00	0.00
13,100.0	90.00	179.63	11,911.0	-1,773.1	-374.3	1,784.1	0.00	0.00	0.00
13,200.0	90.00	179.63	11,911.0	-1,873.1	-373.7	1,884.0	0.00	0.00	0.00
13,300.0	90.00	179.63	11,911.0	-1,973.1	-373.0	1,984.0	0.00	0.00	0.00
13,400.0	90.00	179.63	11,911.0	-2,073.1	-372.4	2,083.9	0.00	0.00	0.00
13,500.0	90.00	179.63	11,911.0	-2,173.1	-371.7	2,183.8	0.00	0.00	0.00
13,600.0	90.00	179.63	11,911.0	-2,273.1	-371.1	2,283.7	0.00	0.00	0.00
13,700.0	90.00	179.63	11,911.0	-2,373.1	-370.4	2,383.7	0.00	0.00	0.00
13,800.0	90.00	179.63	11,911.0	-2,473.1	-369.8	2,483.6	0.00	0.00	0.00
13,900.0	90.00	179.63	11,911.0	-2,573.1	-369.1	2,583.5	0.00	0.00	0.00
14,000.0	90.00	179.63	11,911.0	-2,673.1	-368.5	2,683.4	0.00	0.00	0.00
14,100.0	90.00	179.63	11,911.0	-2,773.1	-367.8	2,783.4	0.00	0.00	0.00
14,200.0	90.00	179.63	11,911.0	-2,873.1	-367.2	2,883.3	0.00	0.00	0.00
14,300.0	90.00	179.63	11,911.0	-2,973.1	-366.5	2,983.2	0.00	0.00	0.00
14,400.0	90.00	179.63	11,911.0	-3,073.1	-365.9	3,083.2	0.00	0.00	0.00
14,500.0	90.00	179.63	11,911.0	-3,173.1	-365.2	3,183.1	0.00	0.00	0.00
14,600.0	90.00	179.63	11,911.0	-3,273.1	-364.5	3,283.0	0.00	0.00	0.00
14,700.0	90.00	179.63	11,911.0	-3,373.1	-363.9	3,382.9	0.00	0.00	0.00
14,800.0	90.00	179.63	11,911.0	-3,473.1	-363.2	3,482.9	0.00	0.00	0.00
14,900.0	90.00	179.63	11,911.0	-3,573.1	-362.6	3,582.8	0.00	0.00	0.00
15,000.0	90.00	179.63	11,911.0	-3,673.1	-361.9	3,682.7	0.00	0.00	0.00
15,100.0	90.00	179.63	11,911.0	-3,773.1	-361.3	3,782.6	0.00	0.00	0.00
15,200.0	90.00	179.63	11,911.0	-3,873.1	-360.6	3,882.6	0.00	0.00	0.00
15,300.0	90.00	179.63	11,911.0	-3,973.1	-360.0	3,982.5	0.00	0.00	0.00
15,400.0	90.00	179.63	11,911.0	-4,073.1	-359.3	4,082.4	0.00	0.00	0.00
15,500.0	90.00	179.63	11,911.0	-4,173.1	-358.7	4,182.3	0.00	0.00	0.00
15,600.0	90.00	179.63	11,911.0	-4,273.1	-358.0	4,282.3	0.00	0.00	0.00
15,700.0	90.00	179.63	11,911.0	-4,373.1	-357.4	4,382.2	0.00	0.00	0.00
15,800.0	90.00	179.63	11,911.0	-4,473.1	-356.7	4,482.1	0.00	0.00	0.00
15,900.0	90.00	179.63	11,911.0	-4,573.0	-356.1	4,582.1	0.00	0.00	0.00
16,000.0	90.00	179.63	11,911.0	-4,673.0	-355.4	4,682.0	0.00	0.00	0.00
16,100.0	90.00	179.63	11,911.0	-4,773.0	-354.8	4,781.9	0.00	0.00	0.00
16,200.0	90.00	179.63	11,911.0	-4,873.0	-354.1	4,881.8	0.00	0.00	0.00
16,300.0	90.00	179.63	11,911.0	-4,973.0	-353.5	4,981.8	0.00	0.00	0.00
16,400.0	90.00	179.63	11,911.0	-5,073.0	-352.8	5,081.7	0.00	0.00	0.00
16,500.0	90.00	179.63	11,911.0	-5,173.0	-352.2	5,181.6	0.00	0.00	0.00
16,600.0	90.00	179.63	11,911.0	-5,273.0	-351.5	5,281.5	0.00	0.00	0.00
16,700.0	90.00	179.63	11,911.0	-5,373.0	-350.9	5,381.5	0.00	0.00	0.00
16,800.0	90.00	179.63	11,911.0	-5,473.0	-350.2	5,481.4	0.00	0.00	0.00
16,900.0	90.00	179.63	11,911.0	-5,573.0	-349.6	5,581.3	0.00	0.00	0.00
17,000.0	90.00	179.63	11,911.0	-5,673.0	-348.9	5,681.2	0.00	0.00	0.00
17,100.0	90.00	179.63	11,911.0	-5,773.0	-348.3	5,781.2	0.00	0.00	0.00
17,200.0	90.00	179.63	11,911.0	-5,873.0	-347.6	5,881.1	0.00	0.00	0.00
17,300.0	90.00	179.63	11,911.0	-5,973.0	-347.0	5,981.0	0.00	0.00	0.00
17,400.0	90.00	179.63	11,911.0	-6,073.0	-346.3	6,081.0	0.00	0.00	0.00
17,500.0	90.00	179.63	11,911.0	-6,173.0	-345.7	6,180.9	0.00	0.00	0.00
17,600.0	90.00	179.63	11,911.0	-6,273.0	-345.0	6,280.8	0.00	0.00	0.00
17,700.0	90.00	179.63	11,911.0	-6,373.0	-344.4	6,380.7	0.00	0.00	0.00
17,800.0	90.00	179.63	11,911.0	-6,473.0	-343.7	6,480.7	0.00	0.00	0.00
17,900.0	90.00	179.63	11,911.0	-6,573.0	-343.0	6,580.6	0.00	0.00	0.00
18,000.0	90.00	179.63	11,911.0	-6,673.0	-342.4	6,680.5	0.00	0.00	0.00
18,100.0	90.00	179.63	11,911.0	-6,773.0	-341.7	6,780.4	0.00	0.00	0.00
18,200.0	90.00	179.63	11,911.0	-6,873.0	-341.1	6,880.4	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
18,300.0	90.00	179.63	11,911.0	-6,973.0	-340.4	6,980.3	0.00	0.00	0.00
18,400.0	90.00	179.63	11,911.0	-7,073.0	-339.8	7,080.2	0.00	0.00	0.00
18,500.0	90.00	179.63	11,911.0	-7,173.0	-339.1	7,180.1	0.00	0.00	0.00
18,600.0	90.00	179.63	11,911.0	-7,273.0	-338.5	7,280.1	0.00	0.00	0.00
18,700.0	90.00	179.63	11,911.0	-7,373.0	-337.8	7,380.0	0.00	0.00	0.00
18,800.0	90.00	179.63	11,911.0	-7,473.0	-337.2	7,479.9	0.00	0.00	0.00
18,900.0	90.00	179.63	11,911.0	-7,573.0	-336.5	7,579.9	0.00	0.00	0.00
19,000.0	90.00	179.63	11,911.0	-7,673.0	-335.9	7,679.8	0.00	0.00	0.00
19,100.0	90.00	179.63	11,911.0	-7,773.0	-335.2	7,779.7	0.00	0.00	0.00
19,200.0	90.00	179.63	11,911.0	-7,873.0	-334.6	7,879.6	0.00	0.00	0.00
19,300.0	90.00	179.63	11,911.0	-7,973.0	-333.9	7,979.6	0.00	0.00	0.00
19,400.0	90.00	179.63	11,911.0	-8,073.0	-333.3	8,079.5	0.00	0.00	0.00
19,500.0	90.00	179.63	11,911.0	-8,173.0	-332.6	8,179.4	0.00	0.00	0.00
19,600.0	90.00	179.63	11,911.0	-8,273.0	-332.0	8,279.3	0.00	0.00	0.00
19,700.0	90.00	179.63	11,911.0	-8,373.0	-331.3	8,379.3	0.00	0.00	0.00
19,800.0	90.00	179.63	11,911.0	-8,473.0	-330.7	8,479.2	0.00	0.00	0.00
19,900.0	90.00	179.63	11,911.0	-8,573.0	-330.0	8,579.1	0.00	0.00	0.00
20,000.0	90.00	179.63	11,911.0	-8,673.0	-329.4	8,679.0	0.00	0.00	0.00
20,100.0	90.00	179.63	11,911.0	-8,773.0	-328.7	8,779.0	0.00	0.00	0.00
20,200.0	90.00	179.63	11,911.0	-8,873.0	-328.1	8,878.9	0.00	0.00	0.00
20,300.0	90.00	179.63	11,911.0	-8,973.0	-327.4	8,978.8	0.00	0.00	0.00
20,400.0	90.00	179.63	11,911.0	-9,073.0	-326.8	9,078.8	0.00	0.00	0.00
20,500.0	90.00	179.63	11,911.0	-9,173.0	-326.1	9,178.7	0.00	0.00	0.00
20,600.0	90.00	179.63	11,911.0	-9,272.9	-325.5	9,278.6	0.00	0.00	0.00
20,700.0	90.00	179.63	11,911.0	-9,372.9	-324.8	9,378.5	0.00	0.00	0.00
20,800.0	90.00	179.63	11,911.0	-9,472.9	-324.2	9,478.5	0.00	0.00	0.00
20,900.0	90.00	179.63	11,911.0	-9,572.9	-323.5	9,578.4	0.00	0.00	0.00
21,000.0	90.00	179.63	11,911.0	-9,672.9	-322.9	9,678.3	0.00	0.00	0.00
21,100.0	90.00	179.63	11,911.0	-9,772.9	-322.2	9,778.2	0.00	0.00	0.00
21,200.0	90.00	179.63	11,911.0	-9,872.9	-321.5	9,878.2	0.00	0.00	0.00
21,300.0	90.00	179.63	11,911.0	-9,972.9	-320.9	9,978.1	0.00	0.00	0.00
21,359.6	90.00	179.63	11,911.0	-10,032.5	-320.5	10,037.7	0.00	0.00	0.00
Start 50.0 hold at 21359.6 MD									
21,409.6	90.00	179.63	11,911.0	-10,082.6	-320.2	10,087.6	0.00	0.00	0.00
TD at 21409.6									

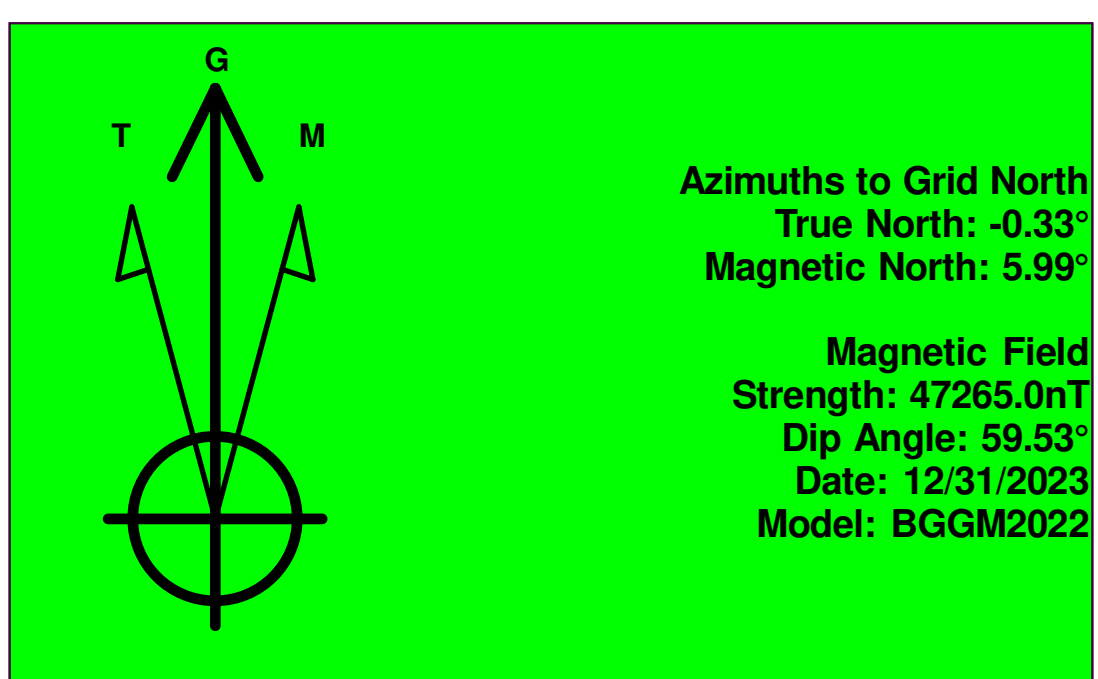
Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
LTP (ZHU 2032 WC #75	0.00	0.00	11,911.0	-10,032.5	-320.5	364,428.16	695,111.61	32° 0' 1.315 N	103° 42' 14.160 W
- plan hits target center									
- Point									
FTP (ZHU 2032 WC #75	0.00	0.00	11,911.0	-15.2	-385.9	374,445.55	695,046.19	32° 1' 40.452 N	103° 42' 14.242 W
- plan misses target center by 530.6usft at 11718.6usft MD (11662.5 TVD, -484.0 N, -382.7 E)									
- Circle (radius 50.0)									
PBHL (ZHU 2032 WC #75	0.00	359.63	11,911.0	-10,082.5	-320.5	364,378.16	695,111.61	32° 0' 0.820 N	103° 42' 14.163 W
- plan misses target center by 0.3usft at 21409.6usft MD (11911.0 TVD, -10082.5 N, -320.2 E)									
- Rectangle (sides W100.0 H10,067.9 D20.0)									

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,500.0	1,500.0	DB SURF 10-3/4"	10-3/4	14-3/4	
11,479.8	11,433.5	DB INT 7-5/8"	7-5/8	9-7/8	
21,409.6	11,911.0	DB PROD 5 1/2"	5-1/2	6-3/4	

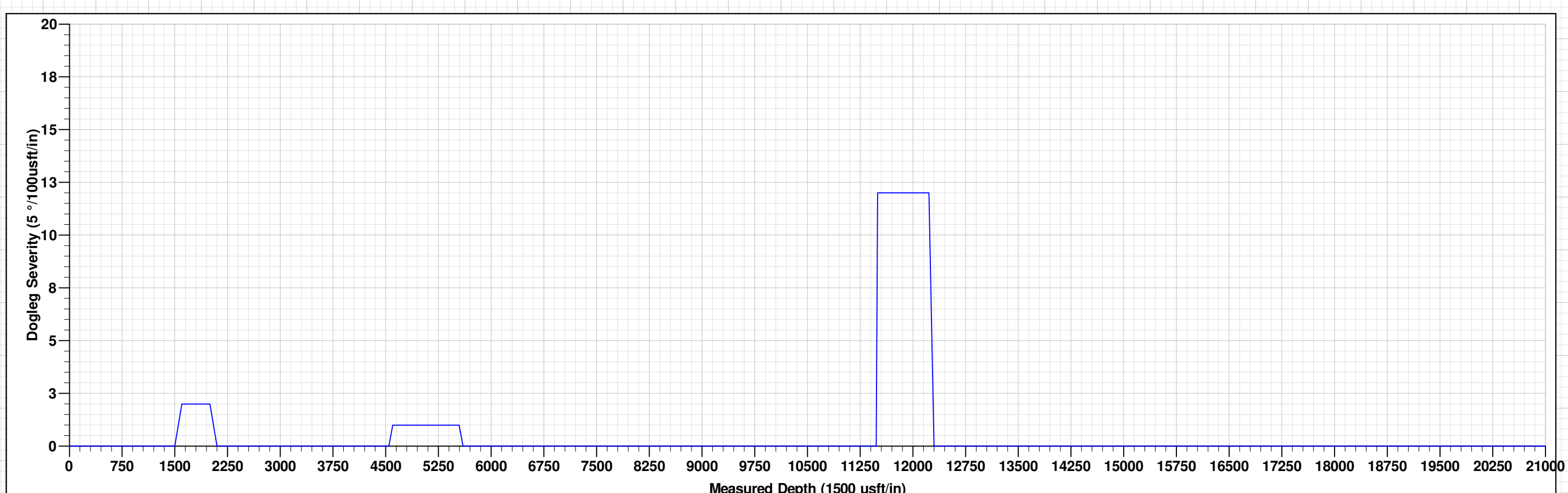
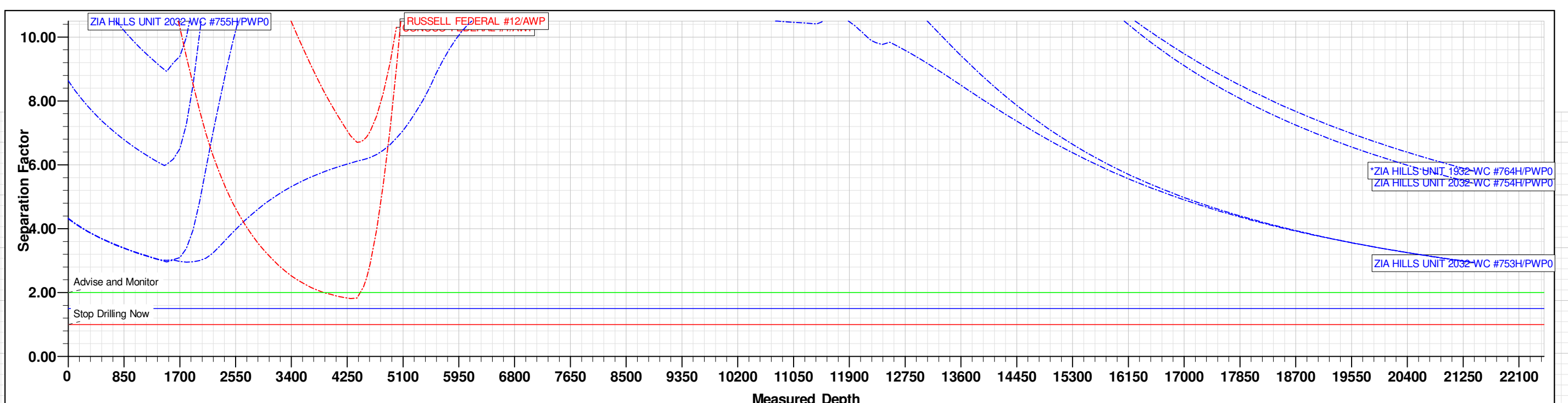
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
2,000.0	1,997.5	-32.3	-29.1	Start 2545.2 hold at 2000.0 MD	
4,545.2	4,504.0	-360.8	-324.9	Start Drop -1.00	
5,545.2	5,498.9	-425.5	-383.1	Start 5934.6 hold at 5545.2 MD	
11,479.8	11,433.5	-425.5	-383.1	Start DLS 12.00 TFO 179.63	
12,229.8	11,911.0	-902.9	-380.0	Start 9129.8 hold at 12229.8 MD	
21,359.6	11,911.0	-10,032.5	-320.5	Start 50.0 hold at 21359.6 MD	
21,409.6	11,911.0	-10,082.6	-320.2	TD at 21409.6	



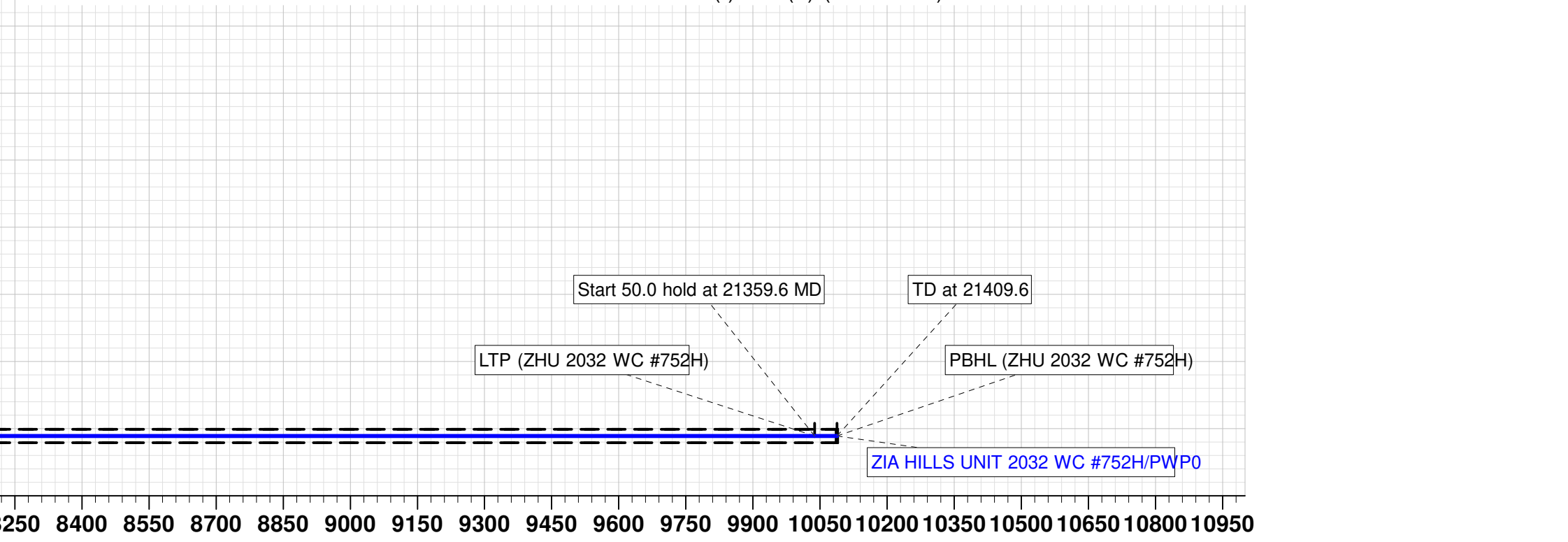
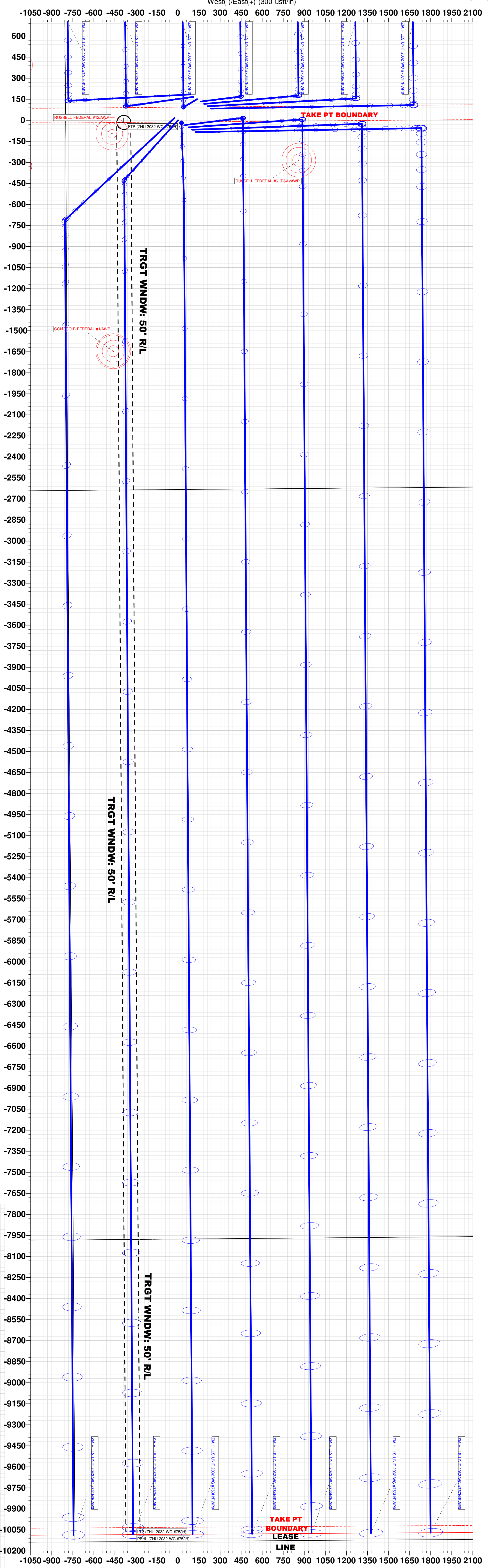
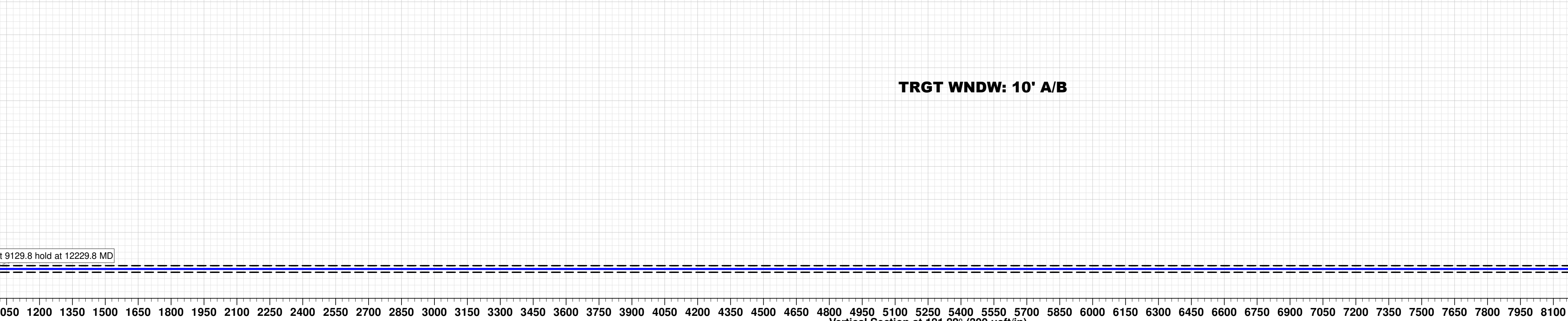
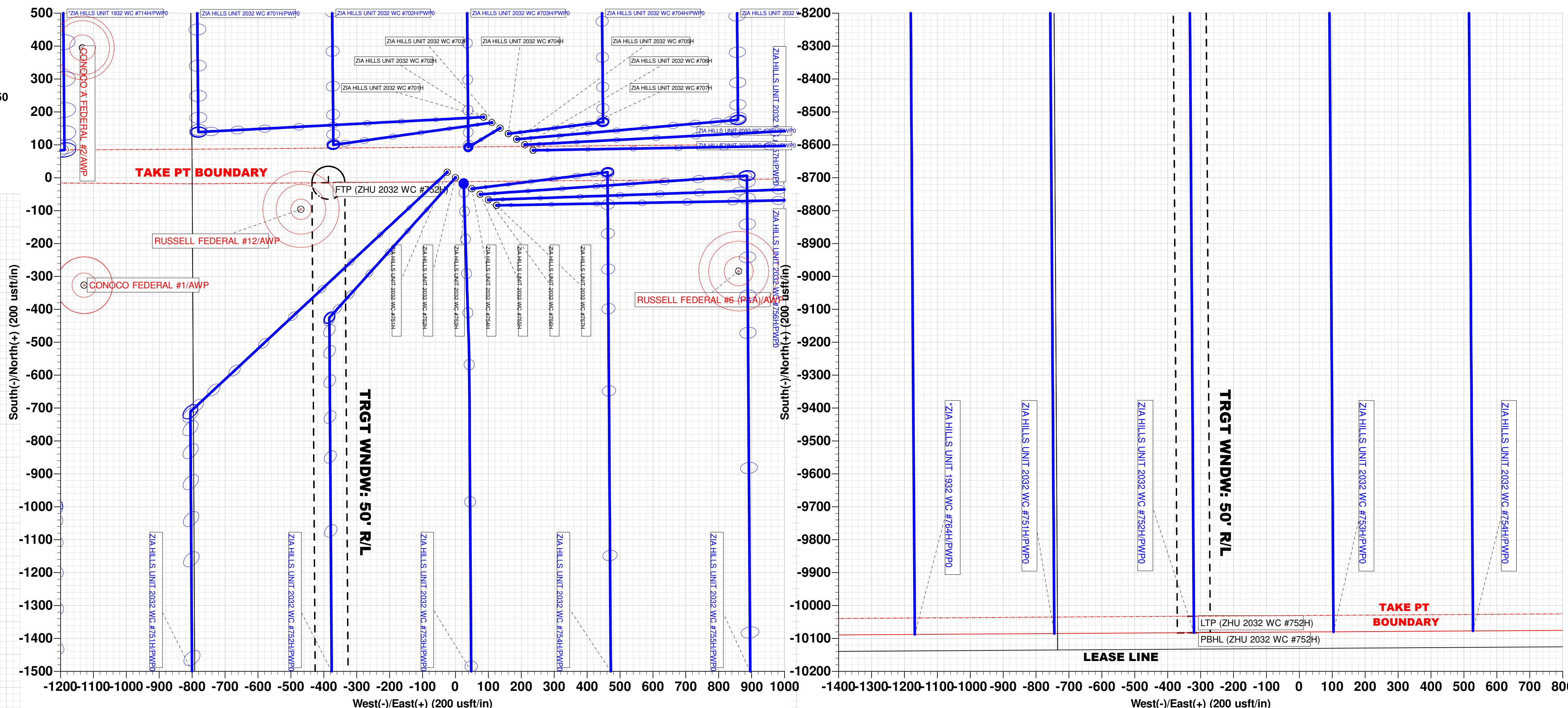
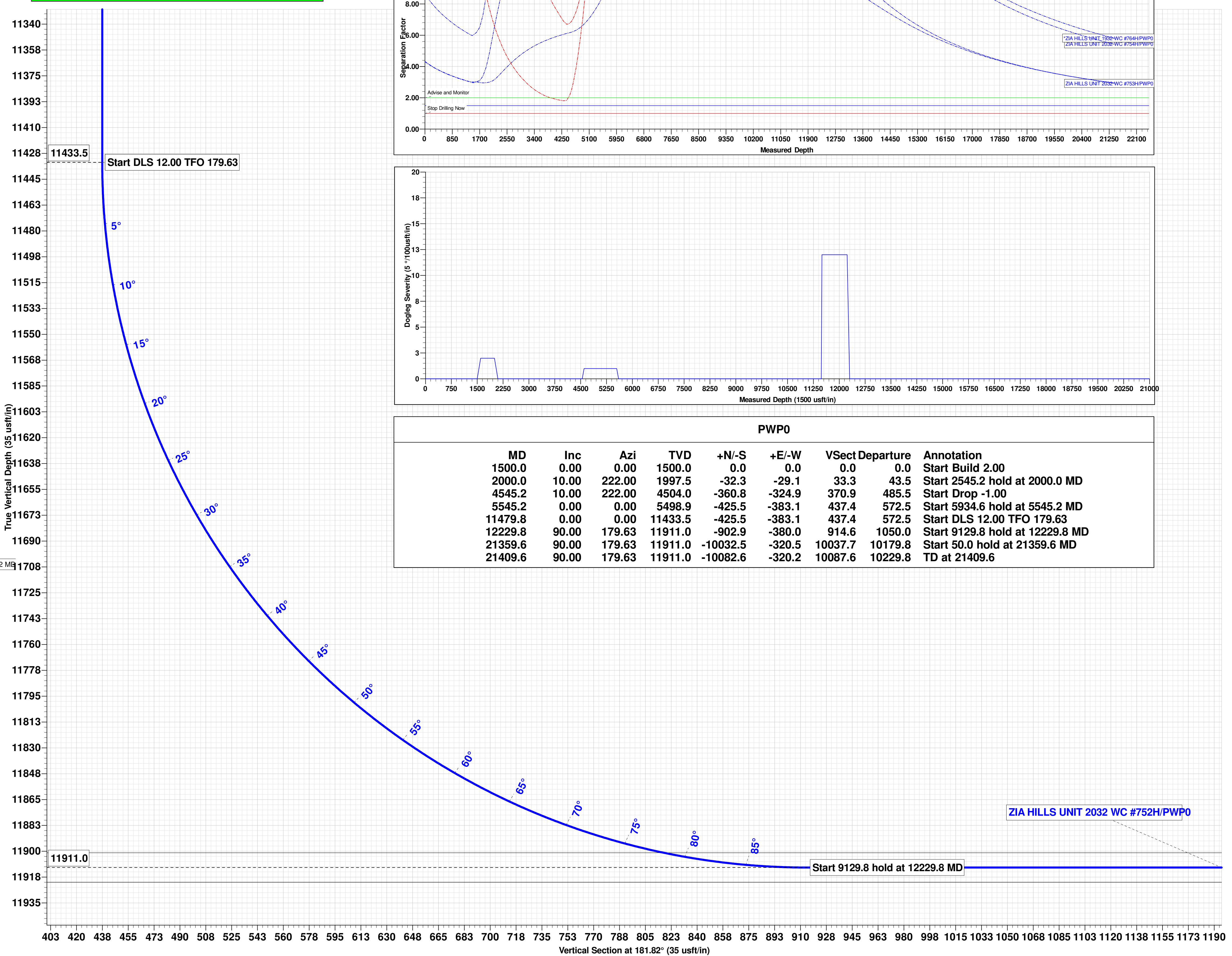
Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS UNIT 2032 PROJECT
Well: ZIA HILLS UNIT 2032 WC #752H
Wellbore: OWB
Design: PWP0
GL: 3174.0
GL @ 3174.0usft

WELL DETAILS: ZIA HILLS UNIT 2032 WC #752H					
+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	374460.71	695432.12	32° 1' 40.580 N	103° 42' 9.758 W

DESIGN TARGET DETAILS					
Name	TVD	+N-S	+E-W	Northing	Easting
FTP (ZHU 2032 WC #752H)	11911.0	-15.2	-385.9	374445.55	695046.19
LTP (ZHU 2032 WC #752H)	11911.0	-10032.5	-320.5	364428.16	695111.61
PBHL (ZHU 2032 WC #752H)	11911.0	-10082.5	-320.5	364378.16	695111.61
Shape	Circle (Radius: 50.0)				
Point	Point				
Rectangle	Sides: L10067.9 W100.0				



PWP0									
MD	Inc	Azi	TVD	+N-S	+E-W	Vsect	Departure	Annotation	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.0	0.0	Start Build 2.00	
2000.0	10.00	222.00	1997.5	-32.3	-29.1	33.3	43.5	Start 2545.2 hold at 2000.0 MD	
4545.2	10.00	222.00	4504.0	-360.8	-324.9	370.9	485.5	Start Drop -1.00	
5545.2	0.00	0.00	5498.9	-425.5	-383.1	437.4	572.5	Start 5934.6 hold at 5545.2 MD	
11479.8	0.00	0.00	11433.5	-425.5	-383.1	437.4	572.5	Start DLS 12.00 TFO 179.63	
12229.8	90.00	179.63	11911.0	-902.9	-380.0	914.6	1050.0	Start 9129.8 hold at 12229.8 MD	
21359.6	90.00	179.63	11911.0	-10032.5	-320.5	10037.7	10179.8	Start 50.0 hold at 21359.6 MD	
21409.6	90.00	179.63	11911.0	-10082.6	-320.2	10087.6	10229.8	TD at 21409.6	



ConocoPhillips Company - Zia Hills Unit 2032 WC 752H

1. Geologic Formations

TVD of target	11,911' EOL	Pilot hole depth	NA
MD at TD:	21,410'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1234	Water	
Top of Salt	1554	Salt	
Base of Salt	3965	Salt	
Lamar	4235	Salt Water	
Bell Canyon	4270	Salt Water	
Cherry Canyon	5205	Oil/Gas	
Brushy Canyon	6650	Oil/Gas	
Bone Spring	8310	Oil/Gas	
1st Bone Spring Sand	9291	Oil/Gas	
2nd Bone Spring Sand	9891	Oil/Gas	
3rd Bone Spring Sand	11087	Oil/Gas	
Wolfcamp	11561	Oil/Gas	
Wolfcamp A	11726	Target	
Wolfcamp B	12015	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
17.50"	0	1410	13.375"	54.5	J55	BTC	1.75	1.57	11.10	11.83
12.25"	0	4140	9.625"	40	L80-IC	BTC	1.80	1.29	5.53	5.72
8.75"	3940	11350	7.625"	29.7	P110-ICY	W513	1.25	1.54	3.17	1.90
6.75"	0	11150	5.5"	23	P110-CY	BTC	1.86	2.16	2.84	2.84
6.75"	11150	21,410	5.5"	23	P110-CY	W441	1.74	2.03	2.66	2.42
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing to mitigate collapse. Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface and

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172

The 5 1/2" W441 casing will be run back 200' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

ConocoPhillips Company - Zia Hills Unit 2032 WC 752H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary?	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

ConocoPhillips Company - Zia Hills Unit 2032 WC 752H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft ³ / sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	840	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Int. #1	610	12.8	1.75	9.21	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	390	14.8	1.35	6.6	8	Tail: Class C + 2% CaCl ₂
Inter. #2 (Liner)	200	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	780	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	770	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results

Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
2 nd Intermediate	3,940'	20%
Production	10,850'	20% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 2032 WC 752H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
Y	A variance is requested for the use of BOPE break testing on intermediate skids (in accordance with the 30 day full BOPE test requirements).

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
12-1/4" or 9-7/8"	13-5/8"	5M	Annular	x	2500psi
			Blind Ram	x	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	10M	5M Annular	x	5000psi
			Blind Ram	x	10000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2.
Y	On Exploratory wells or 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. Will be tested in accordance with 43 CFR Part 3170 Subpart 3172.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per 43 CFR Part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

ConocoPhillips Company - Zia Hills Unit 2032 WC 752H

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	9-5/8" Int shoe	Brine	8.4 - 10	28-34	N/C
9-5/8" Int shoe	7-5/8" Int shoe	Brine	8.4 - 10	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 13.5	35-45	<20

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

6. Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No Logs are planned based on well control or offset log information.
N	Drill stem test? If yes, explain.
N	Coring? If yes, explain.

Additional logs planned		Interval
N	Resistivity	Pilot Hole TD to ICP
N	Density	Pilot Hole TD to ICP
Y	CBL	Production casing (If cement not circulated to surface)
Y	Mud log	Intermediate shoe to TD
N	PEX	

ConocoPhillips Company - Zia Hills Unit 2032 WC 752H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8365 psi at 11911' TVD
Abnormal Temperature	NO 175 Deg. F.

No abnormal pressure or temperature conditions are anticipated. Sufficient mud materials to maintain mud properties and weight increase requirements will be kept on location at all times.

Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR Part 3170 Subpart 3176. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

Y	Is it a walking operation?
Y	Is casing pre-set?

x	H ₂ S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #752H

OWB

PWP0

Anticollision Report

25 January, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	1/25/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	1,500.0	PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initilzd Cont. rev.5	
1,500.0	11,479.8	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
11,479.8	21,409.6	PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5	

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						
ZIA HILLS 20 FED COM PROJECT						
CONOCO A FEDERAL #2 - OWB - AWP						Out of range
CONOCO B FEDERAL #1 - OWB - AWP						Out of range
CONOCO FEDERAL #1 - OWB - AWP	4,400.0	4,327.0	821.3	698.8	6.703	SF
CONOCO FEDERAL #1 - OWB - AWP	4,457.1	4,327.0	819.3	697.4	6.720	CC, ES
RUSSELL FEDERAL #10 - OWB - AWP						Out of range
RUSSELL FEDERAL #12 - OWB - AWP	3,942.4	3,916.3	284.8	140.2	1.970	Advise and Monitor, CC
RUSSELL FEDERAL #12 - OWB - AWP	4,300.0	4,271.3	291.2	130.8	1.816	Advise and Monitor, ES, SF
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	1,241.3	1,252.3	905.8	876.7	31.105	CC
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	1,700.0	1,709.4	908.7	864.9	20.745	ES
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	2,800.0	2,797.0	993.7	908.7	11.690	SF
ZIA HILLS UNIT 1932 PROJECT						
*ZIA HILLS UNIT 1932 WC #713H - OWB - PWP0						Out of range
*ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0	11,110.0	11,341.8	952.8	905.1	19.952	CC, ES, SF
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	12,787.6	12,141.0	904.1	850.0	16.708	CC
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	21,409.6	20,763.1	904.2	748.5	5.806	ES, SF

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	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						
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,500.0	1,499.0	203.0	192.6	19.426	CC, ES
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,900.0	1,911.4	217.0	205.2	18.497	SF
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	1,500.0	1,499.0	200.7	190.3	19.336	CC, ES
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	11,479.8	11,471.2	525.4	490.9	15.248	SF
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	1,738.0	1,754.8	202.6	191.6	18.422	CC, ES
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,800.0	2,806.4	290.4	273.5	17.186	SF
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	1,500.0	1,500.0	209.3	199.1	20.503	CC, ES, SF
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,466.3	1,467.3	219.8	209.8	21.827	CC
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,500.0	1,500.0	219.8	209.7	21.694	ES, SF
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	1,466.3	1,467.3	233.9	223.9	23.356	CC
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	1,500.0	1,500.0	233.9	223.8	23.218	ES, SF
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,466.3	1,467.3	250.6	240.6	25.134	CC
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,500.0	1,500.0	250.6	240.6	24.989	ES, SF
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	1,500.0	1,499.0	30.1	19.9	2.963	CC, ES
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,409.6	21,026.0	458.6	303.1	2.949	SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	1,500.0	1,501.0	30.2	20.2	3.011	CC, ES
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,409.6	21,595.5	458.7	302.7	2.940	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,466.3	1,467.3	60.3	50.2	5.975	CC, ES
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,409.6	21,829.5	848.0	691.7	5.426	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	1,466.3	1,467.3	90.6	80.5	8.979	CC
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	1,500.0	1,500.0	90.6	80.4	8.924	ES, SF
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	1,466.0	1,468.0	120.8	110.7	11.975	CC, ES, SF
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,466.0	1,468.0	151.0	140.9	14.970	CC
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,500.0	1,500.0	151.0	140.9	14.880	ES, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

TD 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						
ZIA HILLS 20 FED COM PROJECT						
CONOCO A FEDERAL #2 - OWB - AWP	21,409.6	4,317.0				Out of Range @TD
CONOCO B FEDERAL #1 - OWB - AWP	21,409.6	4,330.0				Out of Range @TD
CONOCO FEDERAL #1 - OWB - AWP	21,409.6	4,327.0				Out of Range @TD
RUSSELL FEDERAL #10 - OWB - AWP	21,409.6	4,500.0				Out of Range @TD
RUSSELL FEDERAL #12 - OWB - AWP	21,409.6	4,335.0				Out of Range @TD
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	21,409.6	4,378.0				Out of Range @TD
ZIA HILLS UNIT 1932 PROJECT						
*ZIA HILLS UNIT 1932 WC #713H - OWB - PWP0	21,409.6	11,200.0				Out of Range @TD
*ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0	21,409.6	11,425.0				Out of Range @TD
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	21,409.6	20,763.1	904.2	748.5	5.806	ES, SF
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	21,409.6	11,375.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	21,409.6	11,500.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	21,409.6	11,300.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	21,409.6	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	21,409.6	11,350.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	21,409.6	11,575.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	21,409.6	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,409.6	21,026.0	458.6	303.1	2.949	SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,409.6	21,595.5	458.7	302.7	2.940	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,409.6	21,829.5	848.0	691.7	5.426	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	21,409.6	21,692.7				Out of Range @TD
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	21,409.6	21,894.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	21,409.6	21,747.2				Out of Range @TD

Offset Design: ZIA HILLS 20 FED COM PROJECT - CONOCO FEDERAL #1 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program:		464-INC-ONLY										Offset Well Error:	3.0 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
3,000.0	2,982.3	2,984.1	2,983.9	9.3	54.5	38.97	-325.0	-1,128.3	996.5	918.9	77.68	12.828	
3,100.0	3,080.8	3,081.9	3,081.7	9.7	56.7	39.57	-325.5	-1,128.3	983.1	902.3	80.78	12.170	
3,200.0	3,179.2	3,181.7	3,181.3	10.1	59.0	40.17	-326.5	-1,128.3	969.8	885.9	83.93	11.555	
3,300.0	3,277.7	3,280.2	3,279.8	10.5	61.1	40.84	-326.5	-1,128.3	956.6	869.6	86.97	10.999	
3,400.0	3,376.2	3,378.6	3,378.3	10.9	63.3	41.52	-326.5	-1,128.3	943.4	853.4	90.01	10.481	
3,500.0	3,474.7	3,476.9	3,476.5	11.3	65.4	42.28	-325.6	-1,128.3	930.3	837.2	93.04	9.999	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - CONOCO FEDERAL #1 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 464-INC-ONLY												Offset Well Error:	3.0 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
3,600.0	3,573.2	3,575.1	3,574.7	11.7	67.6	42.98	-326.1	-1,128.3	917.5	821.4		96.07	9.550
3,700.0	3,671.6	3,674.2	3,673.7	12.1	69.9	43.69	-326.5	-1,128.3	904.8	805.5		99.27	9.114
3,800.0	3,770.1	3,772.7	3,772.2	12.6	72.4	44.46	-326.5	-1,128.3	892.2	789.5		102.76	8.682
3,900.0	3,868.6	3,871.1	3,870.7	13.0	74.8	45.25	-326.5	-1,128.3	879.8	773.6		106.25	8.281
4,000.0	3,967.1	3,969.5	3,969.1	13.4	77.3	46.13	-325.4	-1,128.3	867.5	757.8		109.73	7.906
4,100.0	4,065.6	4,068.0	4,067.5	13.8	79.8	46.92	-325.9	-1,128.3	855.5	742.3		113.21	7.557
4,200.0	4,164.0	4,166.8	4,166.1	14.2	82.3	47.74	-326.5	-1,128.3	843.6	726.9		116.76	7.226
4,300.0	4,262.5	4,265.3	4,264.7	14.7	84.9	48.65	-326.0	-1,128.3	832.0	711.6		120.39	6.911
4,400.0	4,361.0	4,327.0	4,326.3	15.1	86.5	49.18	-326.5	-1,128.3	821.3	698.8		122.53	6.703 SF
4,457.1	4,417.2	4,327.0	4,326.3	15.3	86.5	49.18	-326.5	-1,128.3	819.3	697.4		121.93	6.720 CC, ES
4,500.0	4,459.5	4,327.0	4,326.3	15.5	86.5	49.18	-326.5	-1,128.3	820.5	699.4		121.11	6.775
4,545.2	4,504.0	4,327.0	4,326.3	15.7	86.5	49.18	-326.5	-1,128.3	824.1	704.2		119.91	6.872
4,600.0	4,558.0	4,327.0	4,326.3	15.9	86.5	49.24	-326.5	-1,128.3	831.9	713.9		118.03	7.048
4,700.0	4,656.8	4,327.0	4,326.3	16.4	86.5	49.42	-326.5	-1,128.3	855.9	742.3		113.59	7.535
4,800.0	4,755.8	4,327.0	4,326.3	16.8	86.5	49.72	-326.5	-1,128.3	891.6	783.4		108.20	8.241
4,900.0	4,855.1	4,327.0	4,326.3	17.2	86.5	50.11	-326.5	-1,128.3	937.7	835.4		102.30	9.166
5,000.0	4,954.6	4,327.0	4,326.3	17.6	86.5	50.62	-326.5	-1,128.3	992.6	896.3		96.30	10.308

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY												Offset Well Error:	3.0 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	
0.0	0.0	4.1	4.1	3.0	3.0	-101.54	-95.9	-469.5	479.2	472.3	6.89	69.524	
100.0	100.0	104.1	104.1	3.1	3.1	-101.54	-95.9	-469.5	479.2	472.1	7.15	67.011	
200.0	200.0	204.1	204.1	3.2	3.5	-101.54	-95.9	-469.5	479.2	471.6	7.63	62.784	
300.0	300.0	304.1	304.1	3.4	4.1	-101.54	-95.9	-469.5	479.2	470.9	8.35	57.409	
400.0	400.0	404.1	404.1	3.5	5.5	-101.54	-95.9	-469.5	479.2	469.2	10.01	47.892	
440.4	440.4	444.5	444.5	3.5	6.1	-101.52	-95.7	-469.5	479.2	468.4	10.78	44.455	
500.0	500.0	504.0	504.0	3.6	7.0	-101.52	-95.7	-469.5	479.2	467.2	11.99	39.959	
600.0	600.0	604.1	604.1	3.7	8.7	-101.54	-95.9	-469.5	479.2	465.0	14.18	33.795	
700.0	700.0	704.1	704.1	3.9	10.6	-101.54	-95.9	-469.5	479.2	462.6	16.62	28.836	
733.9	733.9	738.0	738.0	3.9	11.2	-101.50	-95.5	-469.5	479.1	461.7	17.46	27.439	
800.0	800.0	803.9	803.9	4.0	12.4	-101.51	-95.6	-469.5	479.2	460.0	19.12	25.055	
900.0	900.0	904.1	904.1	4.1	14.4	-101.54	-95.9	-469.5	479.2	457.4	21.77	22.016	
1,000.0	1,000.0	1,004.1	1,004.1	4.2	16.5	-101.54	-95.9	-469.5	479.2	454.6	24.63	19.459	
1,031.2	1,031.2	1,035.2	1,035.2	4.3	17.1	-101.47	-95.2	-469.5	479.1	453.6	25.52	18.772	
1,100.0	1,100.0	1,103.6	1,103.6	4.3	18.6	-101.49	-95.5	-469.5	479.1	451.6	27.50	17.424	
1,200.0	1,200.0	1,204.2	1,204.1	4.5	20.7	-101.54	-95.9	-469.5	479.2	448.8	30.36	15.783	
1,300.0	1,300.0	1,304.2	1,304.1	4.6	23.0	-101.54	-95.9	-469.5	479.2	445.8	33.45	14.326	
1,400.0	1,400.0	1,404.2	1,404.1	4.7	25.2	-101.54	-95.9	-469.5	479.2	442.7	36.55	13.111	
1,439.5	1,439.5	1,443.6	1,443.5	4.7	26.1	-101.38	-94.5	-469.5	478.9	441.2	37.77	12.679	
1,500.0	1,500.0	1,503.8	1,503.7	4.8	27.4	-101.40	-94.7	-469.5	479.0	439.3	39.65	12.081	
1,600.0	1,600.0	1,603.4	1,603.3	5.0	29.7	36.66	-95.3	-469.5	477.7	435.1	42.56	11.224	
1,700.0	1,699.8	1,704.1	1,703.9	5.2	32.1	37.03	-95.9	-469.5	473.6	427.6	46.00	10.296	
1,800.0	1,799.5	1,803.4	1,803.2	5.5	34.8	37.82	-95.4	-469.5	466.6	416.8	49.74	9.380	
1,900.0	1,898.7	1,903.1	1,902.8	5.8	37.6	38.81	-95.9	-469.5	457.1	403.4	53.64	8.522	
2,000.0	1,997.5	2,001.1	2,000.8	6.1	40.6	40.28	-95.3	-469.5	444.9	387.1	57.76	7.701	
2,100.0	2,095.9	2,100.5	2,100.0	6.3	43.6	41.70	-95.9	-469.5	431.8	369.7	62.00	6.963	
2,200.0	2,194.4	2,198.9	2,198.4	6.6	46.6	43.44	-94.6	-469.5	418.7	352.5	66.23	6.323	
2,300.0	2,292.9	2,297.2	2,296.7	6.9	49.7	44.98	-95.5	-469.5	406.3	335.8	70.46	5.766	
2,400.0	2,391.4	2,396.2	2,395.5	7.2	52.8	46.71	-95.9	-469.5	394.1	319.3	74.78	5.270	
2,500.0	2,489.9	2,494.6	2,494.0	7.5	55.8	48.59	-95.9	-469.5	382.3	303.2	79.10	4.833	
2,600.0	2,588.3	2,593.2	2,592.5	7.9	58.9	50.97	-93.3	-469.5	371.0	287.6	83.42	4.448	
2,700.0	2,686.8	2,692.1	2,691.4	8.2	62.1	52.98	-94.1	-469.5	360.2	272.4	87.76	4.104	
2,800.0	2,785.3	2,791.3	2,790.5	8.6	65.2	54.97	-95.8	-469.5	349.7	257.6	92.11	3.797	
2,900.0	2,883.8	2,888.9	2,887.9	9.0	68.3	57.31	-95.9	-469.5	339.9	243.5	96.44	3.525	
3,000.0	2,982.3	2,987.6	2,986.6	9.3	71.4	60.05	-94.5	-469.5	331.0	230.2	100.81	3.284	
3,100.0	3,080.8	3,087.1	3,086.0	9.7	74.6	62.57	-95.3	-469.5	322.4	217.2	105.22	3.064	
3,200.0	3,179.2	3,184.6	3,183.3	10.1	77.9	65.22	-95.9	-469.5	314.5	204.7	109.85	2.863	
3,300.0	3,277.7	3,283.8	3,282.5	10.5	81.4	68.36	-94.6	-469.5	308.0	193.3	114.73	2.684	
3,400.0	3,376.2	3,381.9	3,380.3	10.9	84.9	71.14	-95.9	-469.5	301.4	181.9	119.54	2.522	
3,500.0	3,474.7	3,480.3	3,478.8	11.3	88.2	74.28	-95.9	-469.5	296.2	171.9	124.26	2.384	
3,600.0	3,573.2	3,579.4	3,577.8	11.7	91.7	77.88	-93.8	-469.5	292.9	163.9	129.00	2.270	
3,700.0	3,671.6	3,680.3	3,678.6	12.1	95.1	81.09	-94.9	-469.5	289.1	155.3	133.83	2.160	
3,800.0	3,770.1	3,776.1	3,774.2	12.6	98.3	84.21	-95.9	-469.5	286.3	148.0	138.28	2.070	
3,900.0	3,868.6	3,874.6	3,872.7	13.0	101.5	87.63	-95.9	-469.5	285.0	142.3	142.71	1.997 Advise and Monitor	
3,942.4	3,910.4	3,916.3	3,914.5	13.1	102.8	89.09	-95.9	-469.5	284.8	140.2	144.59	1.970 Advise and Monitor, CC	
4,000.0	3,967.1	3,974.3	3,972.3	13.4	104.7	91.36	-94.2	-469.5	286.0	138.8	147.19	1.943 Advise and Monitor	
4,100.0	4,065.6	4,075.1	4,073.2	13.8	107.9	94.70	-95.3	-469.5	286.1	134.4	151.72	1.886 Advise and Monitor	
4,200.0	4,164.0	4,170.3	4,168.1	14.2	110.9	97.90	-95.9	-469.5	287.6	131.7	155.93	1.844 Advise and Monitor	
4,300.0	4,262.5	4,271.3	4,269.0	14.7	114.1	101.42	-95.1	-469.5	291.2	130.8	160.32	1.816 Advise and Monitor, ES, SF	
4,400.0	4,361.0	4,335.0	4,332.7	15.1	116.0	103.45	-95.9	-469.5	296.2	134.1	162.13	1.827 Advise and Monitor	
4,500.0	4,459.5	4,335.0	4,332.7	15.5	116.0	103.45	-95.9	-469.5	326.7	177.0	149.71	2.182	
4,545.2	4,504.0	4,335.0	4,332.7	15.7	116.0	103.45	-95.9	-469.5	349.1	207.7	141.47	2.468	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:			
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	
4,600.0	4,558.0	4,335.0	4,332.7	15.9	116.0	103.84	-95.9	-469.5	381.7	250.7	131.06	2.912		
4,700.0	4,656.8	4,335.0	4,332.7	16.4	116.0	104.81	-95.9	-469.5	452.1	338.8	113.39	3.988		
4,800.0	4,755.8	4,335.0	4,332.7	16.8	116.0	106.09	-95.9	-469.5	531.9	433.0	98.84	5.381		
4,900.0	4,855.1	4,335.0	4,332.7	17.2	116.0	107.67	-95.9	-469.5	617.3	530.0	87.33	7.069		
5,000.0	4,954.6	4,335.0	4,332.7	17.6	116.0	109.53	-95.9	-469.5	706.4	628.2	78.21	9.032		
5,100.0	5,054.2	4,335.0	4,332.7	17.9	116.0	111.64	-95.9	-469.5	797.8	726.9	70.88	11.255		
5,200.0	5,153.9	4,335.0	4,332.7	18.3	116.0	113.99	-95.9	-469.5	890.8	825.9	64.90	13.726		
5,300.0	5,253.8	4,335.0	4,332.7	18.6	116.0	116.52	-95.9	-469.5	985.0	925.1	59.93	16.437		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #6 (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 500-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	11.0	11.0	3.0	3.0	108.26	-283.9	860.5	906.1	899.1	6.98	129.764	
100.0	100.0	111.0	111.0	3.1	3.2	108.26	-283.9	860.5	906.1	899.0	7.12	127.347	
200.0	200.0	211.0	211.0	3.2	3.6	108.26	-283.9	860.5	906.1	898.5	7.64	118.554	
300.0	300.0	311.0	311.0	3.4	4.2	108.26	-283.9	860.5	906.1	897.7	8.36	108.397	
400.0	400.0	411.0	411.0	3.5	4.8	108.26	-283.9	860.5	906.1	896.9	9.22	98.329	
500.0	500.0	511.0	511.0	3.6	5.7	108.26	-283.9	860.5	906.1	895.8	10.28	88.146	
600.0	600.0	611.0	611.0	3.7	7.4	108.26	-283.9	860.5	906.1	893.7	12.40	73.058	
700.0	700.0	711.0	711.0	3.9	9.1	108.26	-283.9	860.5	906.1	891.4	14.71	61.595	
741.3	741.3	752.3	752.3	3.9	9.9	108.23	-283.4	860.5	905.9	890.2	15.70	57.711	
800.0	800.0	810.7	810.7	4.0	11.0	108.23	-283.4	860.5	905.9	888.8	17.12	52.924	
900.0	900.0	910.2	910.2	4.1	12.8	108.24	-283.6	860.5	906.0	886.4	19.59	46.259	
1,000.0	1,000.0	1,011.0	1,011.0	4.2	14.7	108.26	-283.9	860.5	906.1	884.0	22.06	41.071	
1,100.0	1,100.0	1,111.0	1,111.0	4.3	16.8	108.26	-283.9	860.5	906.1	881.1	24.97	36.288	
1,200.0	1,200.0	1,211.0	1,211.0	4.5	19.0	108.26	-283.9	860.5	906.1	878.2	27.90	32.471	
1,241.3	1,241.3	1,252.3	1,252.3	4.5	19.8	108.21	-283.1	860.5	905.8	876.7	29.12	31.105 CC	
1,300.0	1,300.0	1,310.6	1,310.5	4.6	21.1	108.21	-283.2	860.5	905.9	875.0	30.84	29.369	
1,400.0	1,400.0	1,409.9	1,409.8	4.7	23.2	108.23	-283.4	860.5	906.0	872.2	33.79	26.811	
1,500.0	1,500.0	1,511.1	1,511.0	4.8	25.5	108.26	-283.9	860.5	906.1	869.2	36.87	24.575	
1,600.0	1,600.0	1,611.1	1,611.0	5.0	28.0	-113.83	-283.9	860.5	906.8	866.6	40.25	22.527	
1,700.0	1,699.8	1,709.4	1,709.2	5.2	30.6	-114.13	-283.2	860.5	908.7	864.9	43.80	20.745 ES	
1,800.0	1,799.5	1,810.7	1,810.5	5.5	33.2	-114.52	-283.9	860.5	912.5	865.0	47.49	19.216	
1,900.0	1,898.7	1,910.0	1,909.7	5.8	35.9	-115.12	-283.9	860.5	917.7	866.5	51.17	17.933	
2,000.0	1,997.5	2,008.7	2,008.4	6.1	38.5	-115.97	-282.0	860.5	924.0	869.1	54.84	16.847	
2,100.0	2,095.9	2,105.4	2,105.0	6.3	41.1	-116.88	-282.5	860.5	931.9	873.5	58.44	15.946	
2,200.0	2,194.4	2,202.3	2,201.9	6.6	43.7	-117.73	-283.6	860.5	940.3	878.2	62.05	15.153	
2,300.0	2,292.9	2,304.4	2,303.9	6.9	46.3	-118.66	-283.9	860.5	948.6	883.0	65.66	14.447	
2,400.0	2,391.4	2,401.8	2,401.4	7.2	48.7	-119.60	-283.2	860.5	957.0	888.0	69.08	13.855	
2,500.0	2,489.9	2,501.4	2,500.9	7.5	51.3	-120.45	-283.9	860.5	966.0	893.3	72.69	13.290	
2,600.0	2,588.3	2,599.7	2,599.1	7.9	54.1	-121.36	-283.2	860.5	974.9	898.2	76.68	12.714	
2,700.0	2,686.8	2,696.4	2,695.8	8.2	56.9	-122.16	-283.9	860.5	984.2	903.6	80.61	12.210	
2,800.0	2,785.3	2,797.0	2,796.3	8.6	60.1	-123.01	-283.9	860.5	993.7	908.7	85.00	11.690 SF	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK_1500-r.5 MWD+IFR1_11378-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 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		
7,400.0	7,353.7	7,763.9	7,546.1	19.8	32.5	-59.11	80.3	-1,228.5	994.3	949.4	44.82	22.182		
7,500.0	7,453.7	7,841.3	7,622.6	19.8	32.8	-58.69	81.5	-1,216.6	981.9	936.9	45.00	21.819		
7,600.0	7,553.7	7,919.3	7,699.9	19.9	33.2	-58.33	82.6	-1,206.7	971.7	926.5	45.16	21.515		
7,700.0	7,653.7	8,000.0	7,780.2	19.9	33.5	-58.03	83.5	-1,198.6	963.7	918.4	45.33	21.259		
7,800.0	7,753.7	8,076.7	7,856.7	20.0	33.8	-57.83	84.1	-1,193.0	957.9	912.5	45.43	21.086		
7,900.0	7,853.7	8,155.9	7,935.8	20.0	34.1	-57.69	84.4	-1,189.4	954.3	908.8	45.52	20.964		
8,000.0	7,953.7	8,235.2	8,015.1	20.0	34.3	-57.64	84.6	-1,187.9	952.9	907.3	45.55	20.921		
8,039.8	7,993.5	8,271.7	8,051.5	20.0	34.3	-57.63	84.6	-1,187.9	952.8	907.3	45.55	20.919		
8,100.0	8,053.7	8,331.8	8,111.7	20.1	34.3	-57.63	84.6	-1,187.9	952.8	907.3	45.58	20.903		
8,200.0	8,153.7	8,431.8	8,211.7	20.1	34.3	-57.63	84.6	-1,187.9	952.8	907.2	45.65	20.873		
8,300.0	8,253.7	8,531.8	8,311.7	20.1	34.3	-57.63	84.6	-1,187.9	952.8	907.1	45.71	20.843		
8,400.0	8,353.7	8,631.8	8,411.7	20.2	34.4	-57.63	84.6	-1,187.9	952.8	907.1	45.78	20.813		
8,500.0	8,453.7	8,731.8	8,511.7	20.2	34.4	-57.63	84.6	-1,187.9	952.8	907.0	45.85	20.782		
8,600.0	8,553.7	8,831.8	8,611.7	20.2	34.4	-57.63	84.6	-1,187.9	952.8	906.9	45.92	20.752		
8,700.0	8,653.7	8,931.8	8,711.7	20.3	34.4	-57.63	84.6	-1,187.9	952.8	906.9	45.98	20.721		
8,800.0	8,753.7	9,031.8	8,811.7	20.3	34.4	-57.63	84.6	-1,187.9	952.8	906.8	46.05	20.690		
8,900.0	8,853.7	9,131.8	8,911.7	20.3	34.5	-57.63	84.6	-1,187.9	952.8	906.7	46.12	20.659		
9,000.0	8,953.7	9,231.8	9,011.7	20.4	34.5	-57.63	84.6	-1,187.9	952.8	906.6	46.19	20.628		
9,100.0	9,053.7	9,331.8	9,111.7	20.4	34.5	-57.63	84.6	-1,187.9	952.8	906.6	46.26	20.597		
9,200.0	9,153.7	9,431.8	9,211.7	20.5	34.5	-57.63	84.6	-1,187.9	952.8	906.5	46.33	20.566		
9,300.0	9,253.7	9,531.8	9,311.7	20.5	34.6	-57.63	84.6	-1,187.9	952.8	906.4	46.40	20.534		
9,400.0	9,353.7	9,631.8	9,411.7	20.5	34.6	-57.63	84.6	-1,187.9	952.8	906.4	46.47	20.503		
9,500.0	9,453.7	9,731.8	9,511.7	20.6	34.6	-57.63	84.6	-1,187.9	952.8	906.3	46.54	20.471		
9,600.0	9,553.7	9,831.8	9,611.7	20.6	34.6	-57.63	84.6	-1,187.9	952.8	906.2	46.62	20.440		
9,700.0	9,653.7	9,931.8	9,711.7	20.7	34.7	-57.63	84.6	-1,187.9	952.8	906.1	46.69	20.408		
9,800.0	9,753.7	10,031.8	9,811.7	20.7	34.7	-57.63	84.6	-1,187.9	952.8	906.1	46.76	20.376		
9,900.0	9,853.7	10,131.8	9,911.7	20.7	34.7	-57.63	84.6	-1,187.9	952.8	906.0	46.84	20.344		
10,000.0	9,953.7	10,231.8	10,011.7	20.8	34.7	-57.63	84.6	-1,187.9	952.8	905.9	46.91	20.312		
10,100.0	10,053.7	10,331.8	10,111.7	20.8	34.8	-57.63	84.6	-1,187.9	952.8	905.9	46.98	20.280		
10,200.0	10,153.7	10,431.8	10,211.7	20.9	34.8	-57.63	84.6	-1,187.9	952.8	905.8	47.06	20.248		
10,300.0	10,253.7	10,531.8	10,311.7	20.9	34.8	-57.63	84.6	-1,187.9	952.8	905.7	47.13	20.215		
10,400.0	10,353.7	10,631.8	10,411.7	20.9	34.9	-57.63	84.6	-1,187.9	952.8	905.6	47.21	20.183		
10,500.0	10,453.7	10,731.8	10,511.7	21.0	34.9	-57.63	84.6	-1,187.9	952.8	905.5	47.29	20.150		
10,600.0	10,553.7	10,831.8	10,611.7	21.0	34.9	-57.63	84.6	-1,187.9	952.8	905.5	47.36	20.118		
10,700.0	10,653.7	10,931.8	10,711.7	21.1	34.9	-57.63	84.6	-1,187.9	952.8	905.4	47.44	20.085		
10,800.0	10,753.7	11,031.8	10,811.7	21.1	35.0	-57.63	84.6	-1,187.9	952.8	905.3	47.52	20.052		
10,900.0	10,853.7	11,131.8	10,911.7	21.1	35.0	-57.63	84.6	-1,187.9	952.8	905.2	47.60	20.019		
11,000.0	10,953.7	11,231.8	11,011.7	21.2	35.0	-57.63	84.6	-1,187.9	952.8	905.2	47.67	19.987		
11,100.0	11,053.7	11,331.8	11,111.7	21.2	35.0	-57.63	84.6	-1,187.9	952.8	905.1	47.75	19.955		
11,110.0	11,063.7	11,341.8	11,121.7	21.2	35.0	-57.63	84.6	-1,187.9	952.8	905.1	47.76	19.952 CC, ES, SF		
11,200.0	11,153.7	11,400.0	11,179.9	21.3	35.1	-57.61	85.1	-1,187.9	953.7	906.1	47.55	20.056		
11,300.0	11,253.7	11,450.0	11,229.6	21.3	35.1	-57.36	90.1	-1,188.0	959.3	912.2	47.12	20.358		
11,400.0	11,353.7	11,500.0	11,278.6	21.4	35.1	-56.85	100.2	-1,188.1	970.6	923.9	46.65	20.804		
11,479.8	11,433.5	11,532.3	11,309.5	21.4	35.1	-56.40	109.4	-1,188.1	983.5	937.3	46.24	21.270		
11,500.0	11,453.7	11,540.9	11,317.6	21.4	35.1	123.71	112.2	-1,188.2	987.6	941.7	45.91	21.511		
11,525.0	11,478.7	11,550.0	11,326.2	21.4	35.1	123.27	115.4	-1,188.2	993.6	947.9	45.76	21.712		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK_1500-r.5 MWD+IFR1_11391-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,175.0	11,907.9	11,825.0	11,534.2	21.8	36.5	62.34	-1,172.8	-1,226.5	995.0	945.3	49.65	20.038	
12,200.0	11,910.1	11,835.6	11,540.6	21.8	36.5	63.41	-1,181.2	-1,226.4	988.1	938.2	49.83	19.830	
12,225.0	11,911.0	11,850.0	11,549.0	21.8	36.5	64.65	-1,192.9	-1,226.4	981.0	931.0	50.00	19.618	
12,229.8	11,911.0	11,850.0	11,549.0	21.8	36.5	64.81	-1,192.9	-1,226.4	979.6	929.5	50.04	19.575	
12,300.0	11,911.0	11,875.0	11,562.8	21.9	36.6	65.57	-1,213.7	-1,226.2	960.8	910.2	50.58	18.995	
12,400.0	11,911.0	11,925.0	11,586.9	22.0	36.6	66.94	-1,257.5	-1,225.9	939.1	887.7	51.37	18.281	
12,500.0	11,911.0	11,975.0	11,606.4	22.1	36.6	68.07	-1,303.5	-1,225.6	922.9	870.8	52.15	17.697	
12,600.0	11,911.0	12,025.0	11,621.0	22.2	36.6	68.92	-1,351.3	-1,225.3	912.0	859.1	52.90	17.238	
12,700.0	11,911.0	12,088.4	11,632.1	22.4	36.7	69.57	-1,413.6	-1,224.9	905.8	852.3	53.58	16.907	
12,787.6	11,911.0	12,141.0	11,635.0	22.5	36.7	69.75	-1,466.2	-1,224.6	904.1	850.0	54.11	16.708 CC	
12,800.0	11,911.0	12,153.5	11,635.0	22.5	36.7	69.75	-1,478.6	-1,224.5	904.1	850.0	54.17	16.691	
12,900.0	11,911.0	12,253.5	11,635.0	22.8	36.8	69.75	-1,578.6	-1,223.8	904.1	849.5	54.65	16.543	
13,000.0	11,911.0	12,353.5	11,635.0	23.0	36.9	69.75	-1,678.6	-1,223.2	904.1	849.0	55.18	16.386	
13,100.0	11,911.0	12,453.5	11,635.0	23.2	37.1	69.75	-1,778.6	-1,222.5	904.1	848.4	55.74	16.222	
13,200.0	11,911.0	12,553.5	11,635.0	23.5	37.2	69.75	-1,878.6	-1,221.9	904.1	847.8	56.33	16.051	
13,300.0	11,911.0	12,653.5	11,635.0	23.8	37.4	69.75	-1,978.6	-1,221.2	904.1	847.2	56.96	15.874	
13,400.0	11,911.0	12,753.5	11,635.0	24.2	37.5	69.75	-2,078.6	-1,220.6	904.1	846.5	57.62	15.692	
13,500.0	11,911.0	12,853.5	11,635.0	24.6	37.7	69.75	-2,178.6	-1,219.9	904.1	845.8	58.31	15.505	
13,600.0	11,911.0	12,953.5	11,635.0	25.0	37.9	69.75	-2,278.6	-1,219.3	904.1	845.1	59.04	15.315	
13,700.0	11,911.0	13,053.5	11,635.0	25.4	38.1	69.75	-2,378.6	-1,218.6	904.1	844.4	59.79	15.122	
13,800.0	11,911.0	13,153.5	11,635.0	25.8	38.4	69.75	-2,478.6	-1,218.0	904.1	843.6	60.57	14.926	
13,900.0	11,911.0	13,253.5	11,635.0	26.3	38.6	69.75	-2,578.6	-1,217.3	904.1	842.8	61.38	14.729	
14,000.0	11,911.0	13,353.5	11,635.0	26.8	38.9	69.75	-2,678.6	-1,216.7	904.1	841.9	62.22	14.532	
14,100.0	11,911.0	13,453.5	11,635.0	27.3	39.2	69.75	-2,778.6	-1,216.0	904.1	841.1	63.08	14.333	
14,200.0	11,911.0	13,553.5	11,635.0	27.8	39.5	69.75	-2,878.6	-1,215.4	904.1	840.2	63.97	14.135	
14,300.0	11,911.0	13,653.5	11,635.0	28.4	39.8	69.75	-2,978.6	-1,214.7	904.1	839.3	64.88	13.937	
14,400.0	11,911.0	13,753.5	11,635.0	28.9	40.1	69.75	-3,078.6	-1,214.1	904.2	838.3	65.81	13.740	
14,500.0	11,911.0	13,853.5	11,635.0	29.5	40.4	69.75	-3,178.6	-1,213.4	904.2	837.4	66.76	13.544	
14,600.0	11,911.0	13,953.5	11,635.0	30.1	40.8	69.75	-3,278.6	-1,212.8	904.2	836.4	67.73	13.349	
14,700.0	11,911.0	14,053.5	11,635.0	30.6	41.2	69.75	-3,378.6	-1,212.1	904.2	835.4	68.72	13.156	
14,800.0	11,911.0	14,153.5	11,635.0	31.2	41.5	69.75	-3,478.6	-1,211.5	904.2	834.4	69.74	12.965	
14,900.0	11,911.0	14,253.5	11,635.0	31.8	41.9	69.75	-3,578.6	-1,210.8	904.2	833.4	70.76	12.777	
15,000.0	11,911.0	14,353.5	11,635.0	32.5	42.3	69.75	-3,678.6	-1,210.2	904.2	832.3	71.81	12.591	
15,100.0	11,911.0	14,453.5	11,635.0	33.1	42.7	69.75	-3,778.6	-1,209.5	904.2	831.3	72.87	12.407	
15,200.0	11,911.0	14,553.5	11,635.0	33.7	43.2	69.75	-3,878.6	-1,208.9	904.2	830.2	73.95	12.226	
15,300.0	11,911.0	14,653.5	11,635.0	34.4	43.6	69.75	-3,978.6	-1,208.2	904.2	829.1	75.05	12.048	
15,400.0	11,911.0	14,753.5	11,635.0	35.0	44.0	69.75	-4,078.6	-1,207.6	904.2	828.0	76.15	11.873	
15,500.0	11,911.0	14,853.5	11,635.0	35.7	44.5	69.75	-4,178.6	-1,206.9	904.2	826.9	77.27	11.701	
15,600.0	11,911.0	14,953.5	11,635.0	36.3	45.0	69.75	-4,278.6	-1,206.3	904.2	825.7	78.41	11.531	
15,700.0	11,911.0	15,053.5	11,635.0	37.0	45.4	69.75	-4,378.6	-1,205.6	904.2	824.6	79.56	11.365	
15,800.0	11,911.0	15,153.5	11,635.0	37.6	45.9	69.75	-4,478.6	-1,205.0	904.2	823.4	80.71	11.202	
15,900.0	11,911.0	15,253.5	11,635.0	38.3	46.4	69.75	-4,578.6	-1,204.3	904.2	822.3	81.89	11.042	
16,000.0	11,911.0	15,353.5	11,635.0	39.0	46.9	69.75	-4,678.6	-1,203.7	904.2	821.1	83.07	10.885	
16,100.0	11,911.0	15,453.5	11,635.0	39.6	47.4	69.75	-4,778.6	-1,203.0	904.2	819.9	84.26	10.731	
16,200.0	11,911.0	15,553.5	11,635.0	40.3	47.9	69.75	-4,878.6	-1,202.4	904.2	818.7	85.46	10.580	
16,300.0	11,911.0	15,653.5	11,635.0	41.0	48.5	69.75	-4,978.6	-1,201.7	904.2	817.5	86.67	10.432	
16,400.0	11,911.0	15,753.5	11,635.0	41.7	49.0	69.75	-5,078.6	-1,201.1	904.2	816.3	87.90	10.287	
16,500.0	11,911.0	15,853.5	11,635.0	42.4	49.5	69.75	-5,178.6	-1,200.4	904.2	815.0	89.13	10.145	
16,600.0	11,911.0	15,953.5	11,635.0	43.1	50.1	69.75	-5,278.6	-1,199.8	904.2	813.8	90.36	10.006	
16,700.0	11,911.0	16,053.5	11,635.0	43.8	50.6	69.75	-5,378.6	-1,199.1	904.2	812.6	91.61	9.870	
16,800.0	11,911.0	16,153.5	11,635.0	44.5	51.2	69.75	-5,478.6	-1,198.5	904.2	811.3	92.87	9.736	
16,900.0	11,911.0	16,253.5	11,635.0	45.2	51.7	69.75	-5,578.5	-1,197.8	904.2	810.0	94.13	9.606	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK, 1500-r.5 MWD+IFR1, 11391-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 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)			
17,000.0	11,911.0	16,353.5	11,635.0	45.9	52.3	69.75	-5,678.5	-1,197.2	904.2	808.8	95.40	9.478	
17,100.0	11,911.0	16,453.5	11,635.0	46.6	52.9	69.75	-5,778.5	-1,196.5	904.2	807.5	96.67	9.353	
17,200.0	11,911.0	16,553.5	11,635.0	47.3	53.4	69.75	-5,878.5	-1,195.9	904.2	806.2	97.96	9.230	
17,300.0	11,911.0	16,653.5	11,635.0	48.0	54.0	69.75	-5,978.5	-1,195.2	904.2	804.9	99.25	9.110	
17,400.0	11,911.0	16,753.5	11,635.0	48.7	54.6	69.75	-6,078.5	-1,194.6	904.2	803.6	100.54	8.993	
17,500.0	11,911.0	16,853.5	11,635.0	49.4	55.2	69.75	-6,178.5	-1,193.9	904.2	802.3	101.84	8.878	
17,600.0	11,911.0	16,953.5	11,635.0	50.1	55.8	69.75	-6,278.5	-1,193.2	904.2	801.0	103.15	8.765	
17,700.0	11,911.0	17,053.5	11,635.0	50.8	56.4	69.75	-6,378.5	-1,192.6	904.2	799.7	104.47	8.655	
17,800.0	11,911.0	17,153.5	11,635.0	51.6	57.0	69.75	-6,478.5	-1,191.9	904.2	798.4	105.78	8.547	
17,900.0	11,911.0	17,253.5	11,635.0	52.3	57.6	69.75	-6,578.5	-1,191.3	904.2	797.1	107.11	8.442	
18,000.0	11,911.0	17,353.5	11,635.0	53.0	58.2	69.75	-6,678.5	-1,190.6	904.2	795.7	108.44	8.338	
18,100.0	11,911.0	17,453.5	11,635.0	53.7	58.8	69.75	-6,778.5	-1,190.0	904.2	794.4	109.77	8.237	
18,200.0	11,911.0	17,553.5	11,635.0	54.4	59.5	69.75	-6,878.5	-1,189.3	904.2	793.1	111.11	8.138	
18,300.0	11,911.0	17,653.5	11,635.0	55.1	60.1	69.75	-6,978.5	-1,188.7	904.2	791.7	112.45	8.041	
18,400.0	11,911.0	17,753.5	11,635.0	55.9	60.7	69.75	-7,078.5	-1,188.0	904.2	790.4	113.79	7.946	
18,500.0	11,911.0	17,853.5	11,635.0	56.6	61.3	69.75	-7,178.5	-1,187.4	904.2	789.0	115.14	7.853	
18,600.0	11,911.0	17,953.5	11,635.0	57.3	62.0	69.75	-7,278.5	-1,186.7	904.2	787.7	116.50	7.761	
18,700.0	11,911.0	18,053.5	11,635.0	58.0	62.6	69.75	-7,378.5	-1,186.1	904.2	786.3	117.86	7.672	
18,800.0	11,911.0	18,153.5	11,635.0	58.8	63.3	69.75	-7,478.5	-1,185.4	904.2	785.0	119.22	7.584	
18,900.0	11,911.0	18,253.5	11,635.0	59.5	63.9	69.75	-7,578.5	-1,184.8	904.2	783.6	120.58	7.498	
19,000.0	11,911.0	18,353.5	11,635.0	60.2	64.5	69.75	-7,678.5	-1,184.1	904.2	782.2	121.95	7.414	
19,100.0	11,911.0	18,453.5	11,635.0	61.0	65.2	69.75	-7,778.5	-1,183.5	904.2	780.9	123.32	7.332	
19,200.0	11,911.0	18,553.5	11,635.0	61.7	65.8	69.75	-7,878.5	-1,182.8	904.2	779.5	124.70	7.251	
19,300.0	11,911.0	18,653.5	11,635.0	62.4	66.5	69.75	-7,978.5	-1,182.2	904.2	778.1	126.08	7.172	
19,400.0	11,911.0	18,753.5	11,635.0	63.2	67.1	69.75	-8,078.5	-1,181.5	904.2	776.7	127.46	7.094	
19,500.0	11,911.0	18,853.5	11,635.0	63.9	67.8	69.75	-8,178.5	-1,180.9	904.2	775.3	128.84	7.018	
19,600.0	11,911.0	18,953.5	11,635.0	64.6	68.5	69.75	-8,278.5	-1,180.2	904.2	773.9	130.23	6.943	
19,700.0	11,911.0	19,053.5	11,635.0	65.4	69.1	69.75	-8,378.5	-1,179.6	904.2	772.6	131.62	6.870	
19,800.0	11,911.0	19,153.5	11,635.0	66.1	69.8	69.75	-8,478.5	-1,178.9	904.2	771.2	133.01	6.798	
19,900.0	11,911.0	19,253.5	11,635.0	66.8	70.4	69.75	-8,578.5	-1,178.3	904.2	769.8	134.41	6.727	
20,000.0	11,911.0	19,353.5	11,635.0	67.6	71.1	69.75	-8,678.5	-1,177.6	904.2	768.4	135.80	6.658	
20,100.0	11,911.0	19,453.5	11,635.0	68.3	71.8	69.75	-8,778.5	-1,177.0	904.2	767.0	137.20	6.590	
20,200.0	11,911.0	19,553.5	11,635.0	69.0	72.5	69.75	-8,878.5	-1,176.3	904.2	765.6	138.61	6.523	
20,300.0	11,911.0	19,653.5	11,635.0	69.8	73.1	69.75	-8,978.5	-1,175.7	904.2	764.2	140.01	6.458	
20,400.0	11,911.0	19,753.5	11,635.0	70.5	73.8	69.75	-9,078.5	-1,175.0	904.2	762.8	141.42	6.394	
20,500.0	11,911.0	19,853.5	11,635.0	71.3	74.5	69.75	-9,178.5	-1,174.4	904.2	761.4	142.83	6.331	
20,600.0	11,911.0	19,953.5	11,635.0	72.0	75.2	69.75	-9,278.5	-1,173.7	904.2	759.9	144.24	6.269	
20,700.0	11,911.0	20,053.5	11,635.0	72.7	75.8	69.75	-9,378.5	-1,173.1	904.2	758.5	145.65	6.208	
20,800.0	11,911.0	20,153.5	11,635.0	73.5	76.5	69.75	-9,478.5	-1,172.4	904.2	757.1	147.06	6.148	
20,900.0	11,911.0	20,253.5	11,635.0	74.2	77.2	69.75	-9,578.5	-1,171.8	904.2	755.7	148.48	6.090	
21,000.0	11,911.0	20,353.5	11,635.0	75.0	77.9	69.75	-9,678.5	-1,171.1	904.2	754.3	149.90	6.032	
21,100.0	11,911.0	20,453.5	11,635.0	75.7	78.6	69.75	-9,778.5	-1,170.5	904.2	752.9	151.32	5.975	
21,200.0	11,911.0	20,553.5	11,635.0	76.5	79.3	69.75	-9,878.5	-1,169.8	904.2	751.4	152.74	5.920	
21,300.0	11,911.0	20,653.5	11,635.0	77.2	80.0	69.75	-9,978.5	-1,169.2	904.2	750.0	154.16	5.865	
21,359.6	11,911.0	20,713.1	11,635.0	77.6	80.4	69.75	-10,038.1	-1,168.8	904.2	749.2	155.01	5.833	
21,400.0	11,911.0	20,753.5	11,635.0	77.9	80.6	69.75	-10,078.5	-1,168.5	904.2	748.6	155.59	5.812	
21,409.6	11,911.0	20,763.1	11,635.0	78.0	80.7	69.75	-10,088.1	-1,168.5	904.2	748.5	155.72	5.806 ES, SF	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance		Rule Assigned:								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	24.90	184.2	85.5	203.0	196.1	6.98	29.086	
100.0	100.0	99.0	99.0	3.1	3.1	24.90	184.2	85.5	203.0	195.8	7.23	28.101	
200.0	200.0	199.0	199.0	3.2	3.2	24.90	184.2	85.5	203.0	195.6	7.47	27.181	
300.0	300.0	299.0	299.0	3.4	3.4	24.90	184.2	85.5	203.0	195.3	7.71	26.332	
400.0	400.0	399.0	399.0	3.5	3.5	24.90	184.2	85.5	203.0	195.1	7.95	25.543	
500.0	500.0	499.0	499.0	3.6	3.6	24.90	184.2	85.5	203.0	194.9	8.18	24.807	
600.0	600.0	599.0	599.0	3.7	3.7	24.90	184.2	85.5	203.0	194.6	8.42	24.119	
700.0	700.0	699.0	699.0	3.9	3.9	24.90	184.2	85.5	203.0	194.4	8.65	23.472	
800.0	800.0	799.0	799.0	4.0	4.0	24.90	184.2	85.5	203.0	194.2	8.88	22.864	
900.0	900.0	899.0	899.0	4.1	4.1	24.90	184.2	85.5	203.0	193.9	9.11	22.291	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	24.90	184.2	85.5	203.0	193.7	9.34	21.749	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	24.90	184.2	85.5	203.0	193.5	9.56	21.236	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	24.90	184.2	85.5	203.0	193.3	9.79	20.749	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	24.90	184.2	85.5	203.0	193.0	10.01	20.286	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	24.90	184.2	85.5	203.0	192.8	10.23	19.846	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	24.90	184.2	85.5	203.0	192.6	10.45	19.426 CC, ES	
1,600.0	1,600.0	1,602.4	1,602.4	5.0	4.9	162.59	184.1	83.7	203.9	193.5	10.42	19.558	
1,700.0	1,699.8	1,705.7	1,705.5	5.2	5.1	161.66	183.8	78.1	206.4	195.6	10.85	19.020	
1,800.0	1,799.5	1,808.7	1,808.1	5.5	5.3	160.15	183.3	68.9	210.7	199.4	11.29	18.669	
1,900.0	1,898.7	1,911.4	1,910.0	5.8	5.6	158.15	182.6	56.0	217.0	205.2	11.73	18.497 SF	
2,000.0	1,997.5	2,013.7	2,010.9	6.1	6.0	155.74	181.8	39.6	225.3	213.2	12.18	18.506	
2,100.0	2,095.9	2,115.0	2,110.3	6.3	6.3	152.96	180.7	19.9	234.5	221.9	12.55	18.678	
2,200.0	2,194.4	2,213.9	2,207.0	6.6	6.6	150.16	179.7	-0.7	243.7	230.8	12.93	18.855	
2,300.0	2,292.9	2,312.8	2,303.8	6.9	6.9	147.58	178.6	-21.2	253.6	240.2	13.31	19.054	
2,400.0	2,391.4	2,411.7	2,400.5	7.2	7.2	145.19	177.5	-41.7	263.8	250.1	13.69	19.271	
2,500.0	2,489.9	2,510.6	2,497.2	7.5	7.6	142.98	176.4	-62.3	274.6	260.5	14.08	19.502	
2,600.0	2,588.3	2,609.4	2,593.9	7.9	7.9	140.94	175.4	-82.8	285.6	271.2	14.47	19.743	
2,700.0	2,686.8	2,708.3	2,690.6	8.2	8.3	139.05	174.3	-103.3	297.1	282.2	14.86	19.991	
2,800.0	2,785.3	2,807.2	2,787.4	8.6	8.6	137.30	173.2	-123.9	308.8	293.5	15.26	20.242	
2,900.0	2,883.8	2,906.1	2,884.1	9.0	9.0	135.68	172.1	-144.4	320.8	305.1	15.65	20.493	
3,000.0	2,982.3	3,005.0	2,980.8	9.3	9.4	134.18	171.0	-164.9	333.0	317.0	16.05	20.743	
3,100.0	3,080.8	3,103.8	3,077.5	9.7	9.8	132.78	170.0	-185.5	345.5	329.0	16.46	20.990	
3,200.0	3,179.2	3,202.7	3,174.3	10.1	10.2	131.48	168.9	-206.0	358.1	341.2	16.87	21.231	
3,300.0	3,277.7	3,301.6	3,271.0	10.5	10.6	130.27	167.8	-226.5	370.9	353.6	17.28	21.467	
3,400.0	3,376.2	3,400.5	3,367.7	10.9	11.1	129.14	166.7	-247.0	383.8	366.1	17.69	21.696	
3,500.0	3,474.7	3,499.4	3,464.4	11.3	11.5	128.08	165.7	-267.6	396.9	378.8	18.11	21.918	
3,600.0	3,573.2	3,598.3	3,561.1	11.7	11.9	127.09	164.6	-288.1	410.1	391.6	18.53	22.132	
3,700.0	3,671.6	3,697.1	3,657.9	12.1	12.3	126.17	163.5	-308.6	423.4	404.5	18.96	22.338	
3,800.0	3,770.1	3,796.0	3,754.6	12.6	12.7	125.30	162.4	-329.2	436.9	417.5	19.39	22.536	
3,900.0	3,868.6	3,894.9	3,851.3	13.0	13.2	124.48	161.4	-349.7	450.4	430.6	19.82	22.726	
4,000.0	3,967.1	3,993.8	3,948.0	13.4	13.6	123.71	160.3	-370.2	464.0	443.7	20.25	22.908	
4,100.0	4,065.6	4,092.7	4,044.7	13.8	14.1	122.98	159.2	-390.8	477.7	457.0	20.69	23.082	
4,200.0	4,164.0	4,191.5	4,141.5	14.2	14.5	122.29	158.1	-411.3	491.4	470.3	21.14	23.249	
4,300.0	4,262.5	4,290.4	4,238.2	14.7	14.9	121.64	157.1	-431.8	505.3	483.7	21.58	23.408	
4,400.0	4,361.0	4,389.3	4,334.9	15.1	15.4	121.03	156.0	-452.3	519.1	497.1	22.03	23.560	
4,500.0	4,459.5	4,488.2	4,431.6	15.5	15.8	120.45	154.9	-472.9	533.1	510.6	22.49	23.705	
4,545.2	4,504.0	4,532.9	4,475.3	15.7	16.0	120.19	154.4	-482.2	539.4	516.7	22.68	23.787	
4,600.0	4,558.0	4,587.1	4,528.3	15.9	16.3	119.94	153.8	-493.4	546.9	524.0	22.91	23.878	
4,700.0	4,656.8	4,686.0	4,625.1	16.4	16.7	119.36	152.8	-513.9	560.1	536.7	23.35	23.987	
4,800.0	4,755.8	4,784.9	4,721.8	16.8	17.2	118.66	151.7	-534.5	572.5	548.7	23.78	24.071	
4,900.0	4,855.1	4,883.8	4,818.6	17.2	17.6	117.84	150.6	-555.0	584.2	560.0	24.21	24.132	
5,000.0	4,954.6	4,982.6	4,915.2	17.6	18.1	116.90	149.5	-575.5	595.3	570.6	24.63	24.171	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 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)			
5,100.0	5,054.2	5,081.3	5,011.8	17.9	18.5	115.85	148.5	-596.0	605.7	580.7	25.04	24.190	
5,200.0	5,153.9	5,179.9	5,108.2	18.3	19.0	114.69	147.4	-616.5	615.7	590.3	25.46	24.188	
5,300.0	5,253.8	5,278.3	5,204.5	18.6	19.4	113.43	146.3	-636.9	625.3	599.5	25.88	24.167	
5,400.0	5,353.7	5,376.8	5,300.9	18.9	19.9	112.06	145.2	-657.4	634.6	608.3	26.29	24.140	
5,500.0	5,453.7	5,479.8	5,401.7	19.2	20.3	110.60	144.2	-677.7	643.3	616.6	26.73	24.063	
5,545.2	5,498.9	5,526.4	5,447.6	19.3	20.5	-28.05	143.7	-686.4	646.9	620.0	26.91	24.040	
5,600.0	5,553.7	5,583.2	5,503.4	19.3	20.8	-28.85	143.2	-696.4	651.1	624.0	27.11	24.014	
5,700.0	5,653.7	5,687.2	5,606.1	19.3	21.2	-30.18	142.3	-713.3	658.5	630.9	27.53	23.921	
5,800.0	5,753.7	5,791.8	5,709.6	19.3	21.7	-31.34	141.5	-728.4	665.2	637.3	27.94	23.808	
5,900.0	5,853.7	5,897.0	5,813.9	19.3	22.1	-32.34	140.8	-741.6	671.4	643.0	28.35	23.680	
6,000.0	5,953.7	6,002.6	5,918.9	19.4	22.5	-33.18	140.2	-753.1	676.8	648.0	28.75	23.541	
6,100.0	6,053.7	6,108.6	6,024.5	19.4	23.0	-33.88	139.7	-762.6	681.4	652.2	29.12	23.395	
6,200.0	6,153.7	6,214.9	6,130.5	19.4	23.3	-34.42	139.3	-770.1	685.1	655.6	29.47	23.244	
6,300.0	6,253.7	6,321.5	6,236.9	19.5	23.7	-34.82	139.0	-775.8	687.8	658.0	29.79	23.091	
6,400.0	6,353.7	6,428.2	6,343.6	19.5	24.0	-35.08	138.8	-779.4	689.6	659.6	30.06	22.942	
6,500.0	6,453.7	6,535.0	6,450.4	19.5	24.3	-35.20	138.8	-781.1	690.5	660.2	30.26	22.818	
6,600.0	6,553.7	6,637.3	6,552.7	19.6	24.3	-35.20	138.7	-781.2	690.5	660.2	30.35	22.753	
6,700.0	6,653.7	6,737.3	6,652.7	19.6	24.4	-35.20	138.7	-781.2	690.5	660.1	30.44	22.685	
6,800.0	6,753.7	6,837.3	6,752.7	19.6	24.4	-35.20	138.7	-781.2	690.5	660.0	30.53	22.617	
6,900.0	6,853.7	6,937.3	6,852.7	19.7	24.4	-35.20	138.7	-781.2	690.5	659.9	30.62	22.549	
7,000.0	6,953.7	7,037.3	6,952.7	19.7	24.5	-35.20	138.7	-781.2	690.5	659.8	30.72	22.481	
7,100.0	7,053.7	7,137.3	7,052.7	19.7	24.5	-35.20	138.7	-781.2	690.5	659.7	30.81	22.412	
7,200.0	7,153.7	7,237.3	7,152.7	19.7	24.5	-35.20	138.7	-781.2	690.5	659.6	30.90	22.344	
7,300.0	7,253.7	7,337.3	7,252.7	19.8	24.6	-35.20	138.7	-781.2	690.5	659.5	31.00	22.276	
7,400.0	7,353.7	7,437.3	7,352.7	19.8	24.6	-35.20	138.7	-781.2	690.5	659.4	31.09	22.208	
7,500.0	7,453.7	7,537.3	7,452.7	19.8	24.6	-35.20	138.7	-781.2	690.5	659.3	31.19	22.140	
7,600.0	7,553.7	7,637.3	7,552.7	19.9	24.6	-35.20	138.7	-781.2	690.5	659.2	31.29	22.072	
7,700.0	7,653.7	7,737.3	7,652.7	19.9	24.7	-35.20	138.7	-781.2	690.5	659.1	31.38	22.004	
7,800.0	7,753.7	7,837.3	7,752.7	20.0	24.7	-35.20	138.7	-781.2	690.5	659.0	31.48	21.936	
7,900.0	7,853.7	7,937.3	7,852.7	20.0	24.7	-35.20	138.7	-781.2	690.5	658.9	31.58	21.868	
8,000.0	7,953.7	8,037.3	7,952.7	20.0	24.8	-35.20	138.7	-781.2	690.5	658.8	31.68	21.800	
8,100.0	8,053.7	8,137.3	8,052.7	20.1	24.8	-35.20	138.7	-781.2	690.5	658.7	31.77	21.732	
8,200.0	8,153.7	8,237.3	8,152.7	20.1	24.8	-35.20	138.7	-781.2	690.5	658.6	31.87	21.664	
8,300.0	8,253.7	8,337.3	8,252.7	20.1	24.9	-35.20	138.7	-781.2	690.5	658.5	31.97	21.596	
8,400.0	8,353.7	8,437.3	8,352.7	20.2	24.9	-35.20	138.7	-781.2	690.5	658.4	32.07	21.529	
8,500.0	8,453.7	8,537.3	8,452.7	20.2	24.9	-35.20	138.7	-781.2	690.5	658.3	32.18	21.461	
8,600.0	8,553.7	8,637.3	8,552.7	20.2	25.0	-35.20	138.7	-781.2	690.5	658.2	32.28	21.394	
8,700.0	8,653.7	8,737.3	8,652.7	20.3	25.0	-35.20	138.7	-781.2	690.5	658.1	32.38	21.326	
8,800.0	8,753.7	8,837.3	8,752.7	20.3	25.0	-35.20	138.7	-781.2	690.5	658.0	32.48	21.259	
8,900.0	8,853.7	8,937.3	8,852.7	20.3	25.1	-35.20	138.7	-781.2	690.5	657.9	32.58	21.192	
9,000.0	8,953.7	9,037.3	8,952.7	20.4	25.1	-35.20	138.7	-781.2	690.5	657.8	32.69	21.125	
9,100.0	9,053.7	9,137.3	9,052.7	20.4	25.2	-35.20	138.7	-781.2	690.5	657.7	32.79	21.058	
9,200.0	9,153.7	9,237.3	9,152.7	20.5	25.2	-35.20	138.7	-781.2	690.5	657.6	32.90	20.991	
9,300.0	9,253.7	9,337.3	9,252.7	20.5	25.2	-35.20	138.7	-781.2	690.5	657.5	33.00	20.925	
9,400.0	9,353.7	9,437.3	9,352.7	20.5	25.3	-35.20	138.7	-781.2	690.5	657.4	33.11	20.858	
9,500.0	9,453.7	9,537.3	9,452.7	20.6	25.3	-35.20	138.7	-781.2	690.5	657.3	33.21	20.792	
9,600.0	9,553.7	9,637.3	9,552.7	20.6	25.3	-35.20	138.7	-781.2	690.5	657.2	33.32	20.726	
9,700.0	9,653.7	9,737.3	9,652.7	20.7	25.4	-35.20	138.7	-781.2	690.5	657.1	33.42	20.659	
9,800.0	9,753.7	9,837.3	9,752.7	20.7	25.4	-35.20	138.7	-781.2	690.5	657.0	33.53	20.593	
9,900.0	9,853.7	9,937.3	9,852.7	20.7	25.4	-35.20	138.7	-781.2	690.5	656.9	33.64	20.528	
10,000.0	9,953.7	10,037.3	9,952.7	20.8	25.5	-35.20	138.7	-781.2	690.5	656.8	33.75	20.462	
10,100.0	10,053.7	10,137.3	10,052.7	20.8	25.5	-35.20	138.7	-781.2	690.5	656.7	33.85	20.397	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 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	
10,200.0	10,153.7	10,237.3	10,152.7	20.9	25.6	-35.20	138.7	-781.2	690.5	656.6	33.96	20.331	
10,300.0	10,253.7	10,337.3	10,252.7	20.9	25.6	-35.20	138.7	-781.2	690.5	656.4	34.07	20.266	
10,400.0	10,353.7	10,437.3	10,352.7	20.9	25.6	-35.20	138.7	-781.2	690.5	656.3	34.18	20.201	
10,500.0	10,453.7	10,537.3	10,452.7	21.0	25.7	-35.20	138.7	-781.2	690.5	656.2	34.29	20.136	
10,600.0	10,553.7	10,637.3	10,552.7	21.0	25.7	-35.20	138.7	-781.2	690.5	656.1	34.40	20.072	
10,700.0	10,653.7	10,737.3	10,652.7	21.1	25.7	-35.20	138.7	-781.2	690.5	656.0	34.51	20.007	
10,800.0	10,753.7	10,837.3	10,752.7	21.1	25.8	-35.20	138.7	-781.2	690.5	655.9	34.62	19.943	
10,900.0	10,853.7	10,937.3	10,852.7	21.1	25.8	-35.20	138.7	-781.2	690.5	655.8	34.74	19.879	
11,000.0	10,953.7	11,037.3	10,952.7	21.2	25.9	-35.20	138.7	-781.2	690.5	655.7	34.85	19.815	
11,100.0	11,053.7	11,137.3	11,052.7	21.2	25.9	-35.20	138.7	-781.2	690.5	655.6	34.96	19.751	
11,200.0	11,153.7	11,237.3	11,152.7	21.3	25.9	-35.20	138.7	-781.2	690.5	655.4	35.07	19.688	
11,300.0	11,253.7	11,337.3	11,252.7	21.3	26.0	-35.20	138.7	-781.2	690.5	655.3	35.18	19.630	
11,400.0	11,353.7	11,386.6	11,301.9	21.4	26.0	-35.11	140.6	-781.2	693.9	658.5	35.39	19.607	
11,479.8	11,433.5	11,425.0	11,340.0	21.4	26.0	-34.88	145.6	-781.2	702.3	666.6	35.70	19.674	
11,500.0	11,453.7	11,425.0	11,340.0	21.4	26.0	145.26	145.6	-781.2	705.6	669.8	35.75	19.736	
11,525.0	11,478.7	11,442.2	11,356.9	21.4	26.0	145.08	148.8	-781.3	710.9	675.1	35.81	19.853	
11,550.0	11,503.5	11,450.0	11,364.5	21.4	26.0	144.70	150.4	-781.3	717.8	681.8	35.97	19.958	
11,575.0	11,528.1	11,462.8	11,376.9	21.4	26.0	144.33	153.4	-781.3	726.2	690.1	36.06	20.136	
11,600.0	11,552.5	11,475.0	11,388.8	21.4	26.0	143.87	156.6	-781.3	736.0	699.8	36.16	20.352	
11,625.0	11,576.5	11,475.0	11,388.8	21.4	26.0	142.97	156.6	-781.3	747.2	710.8	36.42	20.518	
11,650.0	11,600.1	11,490.2	11,403.3	21.4	26.0	142.38	160.9	-781.4	759.7	723.2	36.46	20.833	
11,675.0	11,623.3	11,500.0	11,412.6	21.4	26.0	141.50	164.0	-781.4	773.4	736.9	36.58	21.146	
11,700.0	11,646.0	11,500.0	11,412.6	21.5	26.0	140.08	164.0	-781.4	788.4	751.6	36.82	21.416	
11,725.0	11,668.1	11,512.6	11,424.5	21.5	26.0	139.00	168.2	-781.4	804.5	767.6	36.87	21.821	
11,750.0	11,689.5	11,525.0	11,436.1	21.5	26.0	137.76	172.6	-781.5	821.6	784.7	36.91	22.263	
11,775.0	11,710.3	11,525.0	11,436.1	21.5	26.0	135.62	172.6	-781.5	839.7	802.5	37.11	22.625	
11,800.0	11,730.3	11,525.0	11,436.1	21.5	26.0	133.12	172.6	-781.5	858.6	821.3	37.30	23.017	
11,825.0	11,749.4	11,533.9	11,444.3	21.5	26.0	130.86	176.0	-781.5	878.3	841.0	37.35	23.515	
11,850.0	11,767.7	11,537.7	11,447.8	21.5	26.0	127.86	177.5	-781.5	898.8	861.3	37.46	23.995	
11,875.0	11,785.1	11,541.0	11,450.8	21.5	26.0	124.35	178.7	-781.5	919.9	882.3	37.55	24.495	
11,900.0	11,801.6	11,550.0	11,459.1	21.6	26.0	120.90	182.4	-781.6	941.6	904.0	37.55	25.072	
11,925.0	11,817.0	11,550.0	11,459.1	21.6	26.0	115.97	182.4	-781.6	963.6	925.9	37.66	25.585	
11,950.0	11,831.3	11,550.0	11,459.1	21.6	26.0	110.35	182.4	-781.6	986.0	948.3	37.75	26.119	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	33.45	167.4	110.6	200.7	193.7	6.98	28.746	
100.0	100.0	99.0	99.0	3.1	3.1	33.45	167.4	110.6	200.7	193.4	7.22	27.775	
200.0	200.0	199.0	199.0	3.2	3.2	33.45	167.4	110.6	200.7	193.2	7.47	26.870	
300.0	300.0	299.0	299.0	3.4	3.4	33.45	167.4	110.6	200.7	193.0	7.71	26.038	
400.0	400.0	399.0	399.0	3.5	3.5	33.45	167.4	110.6	200.7	192.7	7.94	25.267	
500.0	500.0	499.0	499.0	3.6	3.6	33.45	167.4	110.6	200.7	192.5	8.17	24.549	
600.0	600.0	599.0	599.0	3.7	3.7	33.45	167.4	110.6	200.7	192.3	8.40	23.879	
700.0	700.0	699.0	699.0	3.9	3.9	33.45	167.4	110.6	200.7	192.0	8.63	23.251	
800.0	800.0	799.0	799.0	4.0	4.0	33.45	167.4	110.6	200.7	191.8	8.86	22.661	
900.0	900.0	899.0	899.0	4.1	4.1	33.45	167.4	110.6	200.7	191.6	9.08	22.106	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	33.45	167.4	110.6	200.7	191.4	9.30	21.581	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	33.45	167.4	110.6	200.7	191.2	9.52	21.084	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	33.45	167.4	110.6	200.7	190.9	9.73	20.614	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	33.45	167.4	110.6	200.7	190.7	9.95	20.166	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	33.45	167.4	110.6	200.7	190.5	10.17	19.741	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	33.45	167.4	110.6	200.7	190.3	10.38	19.336 CC, ES	
1,600.0	1,600.0	1,603.8	1,603.8	5.0	4.9	171.12	167.2	108.7	201.2	190.8	10.38	19.384	
1,700.0	1,699.8	1,708.5	1,708.4	5.2	5.1	170.14	166.4	103.1	202.8	192.0	10.85	18.701	
1,800.0	1,799.5	1,813.1	1,812.5	5.5	5.3	168.54	165.1	93.7	205.6	194.3	11.32	18.160	
1,900.0	1,898.7	1,917.3	1,915.9	5.8	5.6	166.38	163.2	80.5	209.8	198.0	11.81	17.760	
2,000.0	1,997.5	2,020.3	2,017.5	6.1	6.0	163.77	160.9	64.0	215.5	203.2	12.30	17.519	
2,100.0	2,095.9	2,119.6	2,115.3	6.3	6.2	161.31	158.5	46.9	222.7	210.0	12.71	17.523	
2,200.0	2,194.4	2,218.9	2,213.0	6.6	6.5	159.01	156.1	29.9	230.3	217.2	13.13	17.541	
2,300.0	2,292.9	2,318.2	2,310.8	6.9	6.8	156.85	153.7	12.8	238.3	224.7	13.56	17.573	
2,400.0	2,391.4	2,417.5	2,408.6	7.2	7.1	154.84	151.3	-4.3	246.5	232.5	13.99	17.620	
2,500.0	2,489.9	2,516.8	2,506.4	7.5	7.5	152.96	148.9	-21.4	255.0	240.6	14.42	17.680	
2,600.0	2,588.3	2,616.1	2,604.2	7.9	7.8	151.20	146.5	-38.4	263.8	249.0	14.86	17.753	
2,700.0	2,686.8	2,715.4	2,702.0	8.2	8.2	149.56	144.1	-55.5	272.8	257.6	15.30	17.837	
2,800.0	2,785.3	2,814.7	2,799.8	8.6	8.5	148.02	141.7	-72.6	282.1	266.3	15.73	17.930	
2,900.0	2,883.8	2,914.0	2,897.5	9.0	8.9	146.58	139.3	-89.7	291.5	275.3	16.17	18.031	
3,000.0	2,982.3	3,013.3	2,995.3	9.3	9.3	145.23	136.9	-106.7	301.1	284.5	16.60	18.138	
3,100.0	3,080.8	3,112.6	3,093.1	9.7	9.7	143.96	134.5	-123.8	310.8	293.8	17.03	18.250	
3,200.0	3,179.2	3,211.8	3,190.9	10.1	10.1	142.77	132.1	-140.9	320.7	303.3	17.46	18.367	
3,300.0	3,277.7	3,311.1	3,288.7	10.5	10.5	141.65	129.7	-158.0	330.8	312.9	17.89	18.486	
3,400.0	3,376.2	3,410.4	3,386.5	10.9	10.9	140.60	127.3	-175.0	340.9	322.6	18.32	18.607	
3,500.0	3,474.7	3,509.7	3,484.3	11.3	11.3	139.61	124.9	-192.1	351.2	332.4	18.75	18.729	
3,600.0	3,573.2	3,609.0	3,582.0	11.7	11.7	138.67	122.5	-209.2	361.5	342.3	19.18	18.851	
3,700.0	3,671.6	3,708.3	3,679.8	12.1	12.1	137.79	120.1	-226.3	371.9	352.3	19.60	18.973	
3,800.0	3,770.1	3,807.6	3,777.6	12.6	12.5	136.96	117.7	-243.3	382.5	362.4	20.03	19.095	
3,900.0	3,868.6	3,906.9	3,875.4	13.0	12.9	136.17	115.3	-260.4	393.0	372.6	20.45	19.216	
4,000.0	3,967.1	4,006.2	3,973.2	13.4	13.4	135.42	112.9	-277.5	403.7	382.8	20.88	19.337	
4,100.0	4,065.6	4,105.1	4,070.7	13.8	13.7	134.75	110.5	-294.2	414.5	393.2	21.27	19.488	
4,200.0	4,164.0	4,203.9	4,168.2	14.2	14.2	134.33	108.4	-309.4	425.4	403.7	21.71	19.592	
4,300.0	4,262.5	4,302.6	4,266.0	14.7	14.6	134.15	106.5	-322.9	436.5	414.3	22.18	19.680	
4,400.0	4,361.0	4,401.4	4,364.0	15.1	15.0	134.20	104.8	-334.8	447.7	425.1	22.67	19.751	
4,500.0	4,459.5	4,500.0	4,462.1	15.5	15.3	134.46	103.4	-344.9	459.1	435.9	23.18	19.806	
4,545.2	4,504.0	4,544.6	4,506.6	15.7	15.5	134.64	102.9	-349.0	464.3	440.9	23.40	19.841	
4,600.0	4,558.0	4,598.7	4,560.4	15.9	15.7	134.93	102.2	-353.4	470.4	446.8	23.68	19.870	
4,700.0	4,656.8	4,697.2	4,658.7	16.4	16.1	135.49	101.3	-360.2	480.9	456.7	24.21	19.865	
4,800.0	4,755.8	4,795.8	4,757.2	16.8	16.4	136.08	100.6	-365.3	490.3	465.6	24.73	19.822	
4,900.0	4,855.1	4,894.4	4,855.7	17.2	16.7	136.69	100.1	-368.8	498.7	473.4	25.26	19.744	
5,000.0	4,954.6	4,992.9	4,954.2	17.6	17.0	137.33	99.8	-370.5	506.1	480.3	25.77	19.634	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,054.2	5,091.9	5,053.2	17.9	17.0	138.00	99.8	-370.8	512.4	486.2	26.24	19.527	
5,200.0	5,153.9	5,191.6	5,152.9	18.3	17.1	138.54	99.8	-370.8	517.6	490.9	26.70	19.382	
5,300.0	5,253.8	5,291.5	5,252.8	18.6	17.1	138.94	99.8	-370.8	521.4	494.3	27.13	19.220	
5,400.0	5,353.7	5,391.5	5,352.7	18.9	17.2	139.20	99.8	-370.8	524.0	496.5	27.51	19.048	
5,500.0	5,453.7	5,491.4	5,452.7	19.2	17.2	139.33	99.8	-370.8	525.3	497.4	27.83	18.876	
5,545.2	5,498.9	5,536.6	5,497.9	19.3	17.2	1.34	99.8	-370.8	525.4	497.5	27.90	18.833	
5,600.0	5,553.7	5,591.4	5,552.7	19.3	17.3	1.34	99.8	-370.8	525.4	497.5	27.94	18.808	
5,700.0	5,653.7	5,691.4	5,652.7	19.3	17.3	1.34	99.8	-370.8	525.4	497.4	28.03	18.742	
5,800.0	5,753.7	5,791.4	5,752.7	19.3	17.3	1.34	99.8	-370.8	525.4	497.3	28.13	18.677	
5,900.0	5,853.7	5,891.4	5,852.7	19.3	17.4	1.34	99.8	-370.8	525.4	497.2	28.23	18.612	
6,000.0	5,953.7	5,991.4	5,952.7	19.4	17.4	1.34	99.8	-370.8	525.4	497.1	28.33	18.547	
6,100.0	6,053.7	6,091.4	6,052.7	19.4	17.5	1.34	99.8	-370.8	525.4	497.0	28.43	18.482	
6,200.0	6,153.7	6,191.4	6,152.7	19.4	17.5	1.34	99.8	-370.8	525.4	496.9	28.53	18.417	
6,300.0	6,253.7	6,291.4	6,252.7	19.5	17.6	1.34	99.8	-370.8	525.4	496.8	28.63	18.352	
6,400.0	6,353.7	6,391.4	6,352.7	19.5	17.6	1.34	99.8	-370.8	525.4	496.7	28.73	18.288	
6,500.0	6,453.7	6,491.4	6,452.7	19.5	17.6	1.34	99.8	-370.8	525.4	496.6	28.83	18.223	
6,600.0	6,553.7	6,591.4	6,552.7	19.6	17.7	1.34	99.8	-370.8	525.4	496.5	28.93	18.158	
6,700.0	6,653.7	6,691.4	6,652.7	19.6	17.7	1.34	99.8	-370.8	525.4	496.4	29.04	18.094	
6,800.0	6,753.7	6,791.4	6,752.7	19.6	17.8	1.34	99.8	-370.8	525.4	496.3	29.14	18.030	
6,900.0	6,853.7	6,891.4	6,852.7	19.7	17.8	1.34	99.8	-370.8	525.4	496.2	29.24	17.966	
7,000.0	6,953.7	6,991.4	6,952.7	19.7	17.9	1.34	99.8	-370.8	525.4	496.1	29.35	17.902	
7,100.0	7,053.7	7,091.4	7,052.7	19.7	17.9	1.34	99.8	-370.8	525.4	496.0	29.45	17.838	
7,200.0	7,153.7	7,191.4	7,152.7	19.7	18.0	1.34	99.8	-370.8	525.4	495.8	29.56	17.774	
7,300.0	7,253.7	7,291.4	7,252.7	19.8	18.0	1.34	99.8	-370.8	525.4	495.7	29.67	17.711	
7,400.0	7,353.7	7,391.4	7,352.7	19.8	18.1	1.34	99.8	-370.8	525.4	495.6	29.77	17.647	
7,500.0	7,453.7	7,491.4	7,452.7	19.8	18.1	1.34	99.8	-370.8	525.4	495.5	29.88	17.584	
7,600.0	7,553.7	7,591.4	7,552.7	19.9	18.2	1.34	99.8	-370.8	525.4	495.4	29.99	17.521	
7,700.0	7,653.7	7,691.4	7,652.7	19.9	18.2	1.34	99.8	-370.8	525.4	495.3	30.10	17.458	
7,800.0	7,753.7	7,791.4	7,752.7	20.0	18.3	1.34	99.8	-370.8	525.4	495.2	30.20	17.395	
7,900.0	7,853.7	7,891.4	7,852.7	20.0	18.3	1.34	99.8	-370.8	525.4	495.1	30.31	17.333	
8,000.0	7,953.7	7,991.4	7,952.7	20.0	18.4	1.34	99.8	-370.8	525.4	495.0	30.42	17.270	
8,100.0	8,053.7	8,091.4	8,052.7	20.1	18.4	1.34	99.8	-370.8	525.4	494.9	30.53	17.208	
8,200.0	8,153.7	8,191.4	8,152.7	20.1	18.4	1.34	99.8	-370.8	525.4	494.8	30.64	17.146	
8,300.0	8,253.7	8,291.4	8,252.7	20.1	18.5	1.34	99.8	-370.8	525.4	494.7	30.75	17.084	
8,400.0	8,353.7	8,391.4	8,352.7	20.2	18.5	1.34	99.8	-370.8	525.4	494.5	30.87	17.022	
8,500.0	8,453.7	8,491.4	8,452.7	20.2	18.6	1.34	99.8	-370.8	525.4	494.4	30.98	16.961	
8,600.0	8,553.7	8,591.4	8,552.7	20.2	18.6	1.34	99.8	-370.8	525.4	494.3	31.09	16.900	
8,700.0	8,653.7	8,691.4	8,652.7	20.3	18.7	1.34	99.8	-370.8	525.4	494.2	31.20	16.839	
8,800.0	8,753.7	8,791.4	8,752.7	20.3	18.7	1.34	99.8	-370.8	525.4	494.1	31.32	16.778	
8,900.0	8,853.7	8,891.4	8,852.7	20.3	18.8	1.34	99.8	-370.8	525.4	494.0	31.43	16.717	
9,000.0	8,953.7	8,991.4	8,952.7	20.4	18.8	1.34	99.8	-370.8	525.4	493.9	31.54	16.657	
9,100.0	9,053.7	9,091.4	9,052.7	20.4	18.9	1.34	99.8	-370.8	525.4	493.7	31.66	16.597	
9,200.0	9,153.7	9,191.4	9,152.7	20.5	19.0	1.34	99.8	-370.8	525.4	493.6	31.77	16.537	
9,300.0	9,253.7	9,291.4	9,252.7	20.5	19.0	1.34	99.8	-370.8	525.4	493.5	31.89	16.477	
9,400.0	9,353.7	9,391.4	9,352.7	20.5	19.1	1.34	99.8	-370.8	525.4	493.4	32.00	16.417	
9,500.0	9,453.7	9,491.4	9,452.7	20.6	19.1	1.34	99.8	-370.8	525.4	493.3	32.12	16.358	
9,600.0	9,553.7	9,591.4	9,552.7	20.6	19.2	1.34	99.8	-370.8	525.4	493.2	32.24	16.299	
9,700.0	9,653.7	9,691.4	9,652.7	20.7	19.2	1.34	99.8	-370.8	525.4	493.1	32.35	16.240	
9,800.0	9,753.7	9,791.4	9,752.7	20.7	19.3	1.34	99.8	-370.8	525.4	492.9	32.47	16.182	
9,900.0	9,853.7	9,891.4	9,852.7	20.7	19.3	1.34	99.8	-370.8	525.4	492.8	32.59	16.123	
10,000.0	9,953.7	9,991.4	9,952.7	20.8	19.4	1.34	99.8	-370.8	525.4	492.7	32.70	16.065	
10,100.0	10,053.7	10,091.4	10,052.7	20.8	19.4	1.34	99.8	-370.8	525.4	492.6	32.82	16.007	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 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	
10,200.0	10,153.7	10,191.4	10,152.7	20.9	19.5	1.34	99.8	-370.8	525.4	492.5	32.94	15.950	
10,300.0	10,253.7	10,291.4	10,252.7	20.9	19.5	1.34	99.8	-370.8	525.4	492.3	33.06	15.892	
10,400.0	10,353.7	10,391.4	10,352.7	20.9	19.6	1.34	99.8	-370.8	525.4	492.2	33.18	15.835	
10,500.0	10,453.7	10,491.4	10,452.7	21.0	19.6	1.34	99.8	-370.8	525.4	492.1	33.30	15.778	
10,600.0	10,553.7	10,591.4	10,552.7	21.0	19.7	1.34	99.8	-370.8	525.4	492.0	33.42	15.721	
10,700.0	10,653.7	10,691.4	10,652.7	21.1	19.7	1.34	99.8	-370.8	525.4	491.9	33.54	15.665	
10,800.0	10,753.7	10,791.4	10,752.7	21.1	19.8	1.34	99.8	-370.8	525.4	491.7	33.66	15.609	
10,900.0	10,853.7	10,891.4	10,852.7	21.1	19.9	1.34	99.8	-370.8	525.4	491.6	33.78	15.553	
11,000.0	10,953.7	10,991.4	10,952.7	21.2	19.9	1.34	99.8	-370.8	525.4	491.5	33.90	15.497	
11,100.0	11,053.7	11,091.4	11,052.7	21.2	20.0	1.34	99.8	-370.8	525.4	491.4	34.03	15.441	
11,200.0	11,153.7	11,191.4	11,152.7	21.3	20.0	1.34	99.8	-370.8	525.4	491.3	34.15	15.386	
11,300.0	11,253.7	11,291.4	11,252.7	21.3	20.1	1.34	99.8	-370.8	525.4	491.1	34.27	15.331	
11,400.0	11,353.7	11,391.4	11,352.7	21.4	20.1	1.34	99.8	-370.8	525.4	491.0	34.39	15.276	
11,479.8	11,433.5	11,471.2	11,432.5	21.4	20.2	1.34	99.8	-370.8	525.4	490.9	34.46	15.248 SF	
11,500.0	11,453.7	11,481.9	11,443.2	21.4	20.2	-178.28	99.9	-370.8	526.0	491.8	34.22	15.370	
11,525.0	11,478.7	11,500.0	11,461.3	21.4	20.2	-178.28	100.5	-370.8	528.5	494.3	34.23	15.440	
11,550.0	11,503.5	11,500.0	11,461.3	21.4	20.2	-178.27	100.5	-370.8	532.9	498.7	34.25	15.560	
11,575.0	11,528.1	11,516.8	11,478.0	21.4	20.2	-178.26	101.8	-370.8	539.1	504.8	34.28	15.725	
11,600.0	11,552.5	11,525.0	11,486.2	21.4	20.2	-178.23	102.6	-370.8	547.2	512.8	34.35	15.927	
11,625.0	11,576.5	11,538.5	11,499.6	21.4	20.2	-178.21	104.2	-370.8	557.0	522.5	34.43	16.178	
11,650.0	11,600.1	11,550.0	11,511.0	21.4	20.2	-178.18	105.9	-370.9	568.4	533.9	34.52	16.469	
11,675.0	11,623.3	11,558.4	11,519.2	21.4	20.2	-178.14	107.4	-370.9	581.5	546.9	34.64	16.788	
11,700.0	11,646.0	11,567.5	11,528.2	21.5	20.2	-178.09	109.1	-370.9	596.1	561.3	34.77	17.146	
11,725.0	11,668.1	11,575.0	11,535.5	21.5	20.2	-178.03	110.6	-370.9	612.1	577.2	34.91	17.533	
11,750.0	11,689.5	11,583.8	11,544.1	21.5	20.2	-177.96	112.5	-370.9	629.3	594.3	35.04	17.961	
11,775.0	11,710.3	11,591.0	11,551.1	21.5	20.2	-177.86	114.2	-370.9	647.8	612.6	35.18	18.413	
11,800.0	11,730.3	11,600.0	11,559.8	21.5	20.2	-177.76	116.5	-371.0	667.4	632.1	35.30	18.907	
11,825.0	11,749.4	11,600.0	11,559.8	21.5	20.2	-177.58	116.5	-371.0	687.9	652.4	35.50	19.376	
11,850.0	11,767.7	11,608.7	11,568.2	21.5	20.2	-177.42	118.9	-371.0	709.3	673.7	35.60	19.925	
11,875.0	11,785.1	11,613.3	11,572.6	21.5	20.2	-177.18	120.2	-371.0	731.4	695.7	35.72	20.475	
11,900.0	11,801.6	11,617.3	11,576.4	21.6	20.2	-176.87	121.4	-371.0	754.2	718.4	35.84	21.044	
11,925.0	11,817.0	11,625.0	11,583.7	21.6	20.2	-176.50	123.7	-371.0	777.7	741.8	35.90	21.663	
11,950.0	11,831.3	11,625.0	11,583.7	21.6	20.2	-175.86	123.7	-371.0	801.5	765.5	36.03	22.247	
11,975.0	11,844.6	11,625.0	11,583.7	21.6	20.2	-174.89	123.7	-371.0	825.8	789.6	36.14	22.850	
12,000.0	11,856.8	11,625.0	11,583.7	21.6	20.2	-173.23	123.7	-371.0	850.3	814.1	36.23	23.470	
12,025.0	11,867.7	11,625.0	11,583.7	21.7	20.2	-169.80	123.7	-371.0	875.1	838.8	36.31	24.105	
12,050.0	11,877.5	11,625.0	11,583.7	21.7	20.2	-158.94	123.7	-371.0	900.1	863.7	36.36	24.754	
12,075.0	11,886.1	11,625.0	11,583.7	21.7	20.2	-65.60	123.7	-371.0	925.1	888.7	36.40	25.415	
12,100.0	11,893.5	11,625.0	11,583.7	21.7	20.2	-15.58	123.7	-371.0	950.0	913.6	36.42	26.086	
12,125.0	11,899.5	11,625.0	11,583.7	21.7	20.2	-8.37	123.7	-371.0	974.9	938.5	36.42	26.767	
12,150.0	11,904.3	11,625.0	11,583.7	21.8	20.2	-5.67	123.7	-371.0	999.7	963.3	36.41	27.454	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	42.02	150.7	135.8	202.9	195.9	6.98	29.058	
100.0	100.0	100.0	100.0	3.1	3.1	42.02	150.7	135.8	202.9	195.6	7.23	28.069	
200.0	200.0	200.0	200.0	3.2	3.2	42.02	150.7	135.8	202.9	195.4	7.47	27.165	
300.0	300.0	300.0	300.0	3.4	3.4	42.02	150.7	135.8	202.9	195.1	7.70	26.333	
400.0	400.0	400.0	400.0	3.5	3.5	42.02	150.7	135.8	202.9	194.9	7.94	25.564	
500.0	500.0	500.0	500.0	3.6	3.6	42.02	150.7	135.8	202.9	194.7	8.16	24.850	
600.0	600.0	600.0	600.0	3.7	3.7	42.02	150.7	135.8	202.9	194.5	8.39	24.185	
700.0	700.0	700.0	700.0	3.9	3.9	42.02	150.7	135.8	202.9	194.2	8.61	23.563	
800.0	800.0	800.0	800.0	4.0	4.0	42.02	150.7	135.8	202.9	194.0	8.83	22.980	
900.0	900.0	900.0	900.0	4.1	4.1	42.02	150.7	135.8	202.9	193.8	9.04	22.431	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	42.02	150.7	135.8	202.9	193.6	9.26	21.914	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	42.02	150.7	135.8	202.9	193.4	9.47	21.425	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	42.02	150.7	135.8	202.9	193.2	9.68	20.962	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	42.02	150.7	135.8	202.9	193.0	9.88	20.522	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	42.02	150.7	135.8	202.9	192.8	10.09	20.104	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	42.02	150.7	135.8	202.9	192.6	10.29	19.706	
1,600.0	1,600.0	1,607.3	1,607.2	5.0	5.0	179.86	149.7	134.1	202.8	192.5	10.35	19.593	
1,700.0	1,699.8	1,714.5	1,714.3	5.2	5.2	179.36	146.6	128.9	202.7	191.8	10.86	18.669	
1,738.0	1,737.7	1,754.8	1,754.5	5.3	5.2	179.09	144.9	126.1	202.6	191.6	11.00	18.422 CC, ES	
1,800.0	1,799.5	1,816.8	1,816.3	5.5	5.3	178.65	142.1	121.5	203.3	192.0	11.26	18.053	
1,900.0	1,898.7	1,916.7	1,915.8	5.8	5.5	177.96	137.6	114.0	207.2	195.5	11.77	17.605	
2,000.0	1,997.5	2,016.4	2,015.1	6.1	5.7	177.35	133.1	106.6	214.7	202.4	12.32	17.431	
2,100.0	2,095.9	2,116.0	2,114.3	6.3	5.9	176.81	128.6	99.1	223.9	211.1	12.81	17.475	
2,200.0	2,194.4	2,215.5	2,213.4	6.6	6.2	176.30	124.2	91.7	233.1	219.8	13.34	17.477	
2,300.0	2,292.9	2,315.1	2,312.6	6.9	6.5	175.84	119.7	84.2	242.4	228.5	13.89	17.446	
2,400.0	2,391.4	2,414.6	2,411.8	7.2	6.8	175.41	115.2	76.8	251.6	237.2	14.47	17.388	
2,500.0	2,489.9	2,514.2	2,511.0	7.5	7.1	175.02	110.8	69.4	260.9	245.8	15.07	17.312	
2,600.0	2,588.3	2,613.7	2,610.1	7.9	7.4	174.64	106.3	61.9	270.2	254.5	15.68	17.227	
2,700.0	2,686.8	2,711.3	2,707.4	8.2	7.6	174.32	102.0	54.8	279.7	263.4	16.27	17.188	
2,800.0	2,785.3	2,806.4	2,802.2	8.6	7.9	174.12	98.5	49.0	290.4	273.5	16.90	17.186 SF	
2,900.0	2,883.8	2,900.0	2,895.7	9.0	8.2	174.06	95.9	44.6	302.7	285.2	17.52	17.278	
3,000.0	2,982.3	2,995.5	2,991.0	9.3	8.5	174.12	94.0	41.4	316.5	298.3	18.14	17.445	
3,100.0	3,080.8	3,089.4	3,084.9	9.7	8.7	174.27	92.9	39.7	331.8	313.0	18.74	17.701	
3,200.0	3,179.2	3,183.7	3,179.2	10.1	8.8	174.51	92.6	39.2	348.5	329.3	19.24	18.112	
3,300.0	3,277.7	3,282.2	3,277.7	10.5	8.9	174.77	92.6	39.2	365.8	346.1	19.73	18.541	
3,400.0	3,376.2	3,380.6	3,376.2	10.9	9.0	175.00	92.6	39.2	383.1	362.9	20.24	18.932	
3,500.0	3,474.7	3,479.1	3,474.7	11.3	9.0	175.22	92.6	39.2	400.4	379.7	20.75	19.297	
3,600.0	3,573.2	3,577.6	3,573.2	11.7	9.1	175.42	92.6	39.2	417.7	396.5	21.27	19.638	
3,700.0	3,671.6	3,676.1	3,671.6	12.1	9.2	175.60	92.6	39.2	435.0	413.2	21.80	19.956	
3,800.0	3,770.1	3,774.6	3,770.1	12.6	9.3	175.77	92.6	39.2	452.4	430.0	22.33	20.255	
3,900.0	3,868.6	3,873.0	3,868.6	13.0	9.3	175.93	92.6	39.2	469.7	446.8	22.87	20.534	
4,000.0	3,967.1	3,971.5	3,967.1	13.4	9.4	176.07	92.6	39.2	487.0	463.6	23.42	20.795	
4,100.0	4,065.6	4,070.0	4,065.6	13.8	9.5	176.21	92.6	39.2	504.3	480.4	23.97	21.041	
4,200.0	4,164.0	4,168.5	4,164.0	14.2	9.6	176.33	92.6	39.2	521.7	497.1	24.52	21.271	
4,300.0	4,262.5	4,267.0	4,262.5	14.7	9.6	176.45	92.6	39.2	539.0	513.9	25.08	21.487	
4,400.0	4,361.0	4,365.4	4,361.0	15.1	9.7	176.56	92.6	39.2	556.3	530.7	25.65	21.691	
4,500.0	4,459.5	4,463.9	4,459.5	15.5	9.8	176.67	92.6	39.2	573.7	547.4	26.22	21.882	
4,545.2	4,504.0	4,508.4	4,504.0	15.7	9.8	176.71	92.6	39.2	581.5	555.0	26.46	21.978	
4,600.0	4,558.0	4,562.5	4,558.0	15.9	9.9	176.77	92.6	39.2	590.7	564.0	26.75	22.080	
4,700.0	4,656.8	4,661.2	4,656.8	16.4	10.0	176.86	92.6	39.2	606.3	579.0	27.32	22.194	
4,800.0	4,755.8	4,760.3	4,755.8	16.8	10.0	176.94	92.6	39.2	620.1	592.2	27.87	22.248	
4,900.0	4,855.1	4,859.5	4,855.1	17.2	10.1	177.00	92.6	39.2	632.2	603.8	28.41	22.249	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,954.6	4,959.0	4,954.6	17.6	10.2	177.06	92.6	39.2	642.5	613.6	28.94	22.200	
5,100.0	5,054.2	5,058.6	5,054.2	17.9	10.3	177.10	92.6	39.2	651.2	621.7	29.46	22.106	
5,200.0	5,153.9	5,158.4	5,153.9	18.3	10.3	177.13	92.6	39.2	658.0	628.1	29.95	21.973	
5,300.0	5,253.8	5,258.2	5,253.8	18.6	10.4	177.16	92.6	39.2	663.2	632.8	30.41	21.806	
5,400.0	5,353.7	5,358.2	5,353.7	18.9	10.5	177.17	92.6	39.2	666.6	635.7	30.84	21.611	
5,500.0	5,453.7	5,458.2	5,453.7	19.2	10.6	177.18	92.6	39.2	668.2	637.0	31.22	21.407	
5,545.2	5,498.9	5,503.4	5,498.9	19.3	10.6	39.18	92.6	39.2	668.4	637.1	31.30	21.356	
5,600.0	5,553.7	5,558.2	5,553.7	19.3	10.7	39.18	92.6	39.2	668.4	637.1	31.33	21.333	
5,700.0	5,653.7	5,658.2	5,653.7	19.3	10.7	39.18	92.6	39.2	668.4	637.0	31.42	21.273	
5,800.0	5,753.7	5,758.2	5,753.7	19.3	10.8	39.18	92.6	39.2	668.4	636.9	31.51	21.213	
5,900.0	5,853.7	5,858.2	5,853.7	19.3	10.9	39.18	92.6	39.2	668.4	636.8	31.60	21.152	
6,000.0	5,953.7	5,958.2	5,953.7	19.4	11.0	39.18	92.6	39.2	668.4	636.7	31.69	21.092	
6,100.0	6,053.7	6,058.2	6,053.7	19.4	11.1	39.18	92.6	39.2	668.4	636.6	31.78	21.032	
6,200.0	6,153.7	6,158.2	6,153.7	19.4	11.1	39.18	92.6	39.2	668.4	636.6	31.87	20.972	
6,300.0	6,253.7	6,258.2	6,253.7	19.5	11.2	39.18	92.6	39.2	668.4	636.5	31.96	20.911	
6,400.0	6,353.7	6,358.2	6,353.7	19.5	11.3	39.18	92.6	39.2	668.4	636.4	32.06	20.851	
6,500.0	6,453.7	6,458.2	6,453.7	19.5	11.4	39.18	92.6	39.2	668.4	636.3	32.15	20.791	
6,600.0	6,553.7	6,558.2	6,553.7	19.6	11.4	39.18	92.6	39.2	668.4	636.2	32.24	20.730	
6,700.0	6,653.7	6,658.2	6,653.7	19.6	11.5	39.18	92.6	39.2	668.4	636.1	32.34	20.670	
6,800.0	6,753.7	6,758.2	6,753.7	19.6	11.6	39.18	92.6	39.2	668.4	636.0	32.43	20.610	
6,900.0	6,853.7	6,858.2	6,853.7	19.7	11.7	39.18	92.6	39.2	668.4	635.9	32.53	20.550	
7,000.0	6,953.7	6,958.2	6,953.7	19.7	11.8	39.18	92.6	39.2	668.4	635.8	32.62	20.489	
7,100.0	7,053.7	7,058.2	7,053.7	19.7	11.8	39.18	92.6	39.2	668.4	635.7	32.72	20.429	
7,200.0	7,153.7	7,158.2	7,153.7	19.7	11.9	39.18	92.6	39.2	668.4	635.6	32.82	20.369	
7,300.0	7,253.7	7,258.2	7,253.7	19.8	12.0	39.18	92.6	39.2	668.4	635.5	32.91	20.309	
7,400.0	7,353.7	7,358.2	7,353.7	19.8	12.1	39.18	92.6	39.2	668.4	635.4	33.01	20.249	
7,500.0	7,453.7	7,458.2	7,453.7	19.8	12.2	39.18	92.6	39.2	668.4	635.3	33.11	20.188	
7,600.0	7,553.7	7,558.2	7,553.7	19.9	12.2	39.18	92.6	39.2	668.4	635.2	33.21	20.128	
7,700.0	7,653.7	7,658.2	7,653.7	19.9	12.3	39.18	92.6	39.2	668.4	635.1	33.31	20.068	
7,800.0	7,753.7	7,758.2	7,753.7	20.0	12.4	39.18	92.6	39.2	668.4	635.0	33.41	20.008	
7,900.0	7,853.7	7,858.2	7,853.7	20.0	12.5	39.18	92.6	39.2	668.4	634.9	33.51	19.949	
8,000.0	7,953.7	7,958.2	7,953.7	20.0	12.6	39.18	92.6	39.2	668.4	634.8	33.61	19.889	
8,100.0	8,053.7	8,058.2	8,053.7	20.1	12.6	39.18	92.6	39.2	668.4	634.7	33.71	19.829	
8,200.0	8,153.7	8,158.2	8,153.7	20.1	12.7	39.18	92.6	39.2	668.4	634.6	33.81	19.770	
8,300.0	8,253.7	8,258.2	8,253.7	20.1	12.8	39.18	92.6	39.2	668.4	634.5	33.91	19.710	
8,400.0	8,353.7	8,358.2	8,353.7	20.2	12.9	39.18	92.6	39.2	668.4	634.4	34.02	19.651	
8,500.0	8,453.7	8,458.2	8,453.7	20.2	13.0	39.18	92.6	39.2	668.4	634.3	34.12	19.591	
8,600.0	8,553.7	8,558.2	8,553.7	20.2	13.0	39.18	92.6	39.2	668.4	634.2	34.22	19.532	
8,700.0	8,653.7	8,658.2	8,653.7	20.3	13.1	39.18	92.6	39.2	668.4	634.1	34.33	19.473	
8,800.0	8,753.7	8,758.2	8,753.7	20.3	13.2	39.18	92.6	39.2	668.4	634.0	34.43	19.414	
8,900.0	8,853.7	8,858.2	8,853.7	20.3	13.3	39.18	92.6	39.2	668.4	633.9	34.54	19.355	
9,000.0	8,953.7	8,958.2	8,953.7	20.4	13.4	39.18	92.6	39.2	668.4	633.8	34.64	19.296	
9,100.0	9,053.7	9,058.2	9,053.7	20.4	13.4	39.18	92.6	39.2	668.4	633.7	34.75	19.237	
9,200.0	9,153.7	9,158.2	9,153.7	20.5	13.5	39.18	92.6	39.2	668.4	633.6	34.85	19.179	
9,300.0	9,253.7	9,258.2	9,253.7	20.5	13.6	39.18	92.6	39.2	668.4	633.5	34.96	19.120	
9,400.0	9,353.7	9,358.2	9,353.7	20.5	13.7	39.18	92.6	39.2	668.4	633.4	35.07	19.062	
9,500.0	9,453.7	9,458.2	9,453.7	20.6	13.7	39.18	92.6	39.2	668.4	633.3	35.17	19.004	
9,600.0	9,553.7	9,558.2	9,553.7	20.6	13.8	39.18	92.6	39.2	668.4	633.1	35.28	18.945	
9,700.0	9,653.7	9,658.2	9,653.7	20.7	13.9	39.18	92.6	39.2	668.4	633.0	35.39	18.888	
9,800.0	9,753.7	9,758.2	9,753.7	20.7	14.0	39.18	92.6	39.2	668.4	632.9	35.50	18.830	
9,900.0	9,853.7	9,858.2	9,853.7	20.7	14.1	39.18	92.6	39.2	668.4	632.8	35.61	18.772	
10,000.0	9,953.7	9,958.2	9,953.7	20.8	14.1	39.18	92.6	39.2	668.4	632.7	35.72	18.714	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 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	
10,100.0	10,053.7	10,058.2	10,053.7	20.8	14.2	39.18	92.6	39.2	668.4	632.6	35.83	18.657	
10,200.0	10,153.7	10,158.2	10,153.7	20.9	14.3	39.18	92.6	39.2	668.4	632.5	35.94	18.600	
10,300.0	10,253.7	10,258.2	10,253.7	20.9	14.4	39.18	92.6	39.2	668.4	632.4	36.05	18.543	
10,400.0	10,353.7	10,358.2	10,353.7	20.9	14.5	39.18	92.6	39.2	668.4	632.3	36.16	18.486	
10,500.0	10,453.7	10,458.2	10,453.7	21.0	14.5	39.18	92.6	39.2	668.4	632.2	36.27	18.429	
10,600.0	10,553.7	10,558.2	10,553.7	21.0	14.6	39.18	92.6	39.2	668.4	632.0	36.38	18.372	
10,700.0	10,653.7	10,658.2	10,653.7	21.1	14.7	39.18	92.6	39.2	668.4	631.9	36.49	18.316	
10,800.0	10,753.7	10,758.2	10,753.7	21.1	14.8	39.18	92.6	39.2	668.4	631.8	36.61	18.260	
10,900.0	10,853.7	10,858.2	10,853.7	21.1	14.9	39.18	92.6	39.2	668.4	631.7	36.72	18.203	
11,000.0	10,953.7	10,958.2	10,953.7	21.2	14.9	39.18	92.6	39.2	668.4	631.6	36.83	18.147	
11,100.0	11,053.7	11,058.2	11,053.7	21.2	15.0	39.18	92.6	39.2	668.4	631.5	36.95	18.092	
11,200.0	11,153.7	11,158.2	11,153.7	21.3	15.1	39.18	92.6	39.2	668.4	631.4	37.06	18.036	
11,300.0	11,253.7	11,258.2	11,253.7	21.3	15.2	39.18	92.6	39.2	668.4	631.3	37.16	17.989	
11,400.0	11,353.7	11,309.7	11,305.2	21.4	15.2	39.07	94.7	39.2	671.8	634.7	37.06	18.126	
11,479.8	11,433.5	11,350.0	11,345.1	21.4	15.2	38.77	100.2	39.1	680.0	642.9	37.08	18.341	
11,500.0	11,453.7	11,356.8	11,351.8	21.4	15.2	-140.69	101.4	39.1	683.2	646.2	36.97	18.477	
11,525.0	11,478.7	11,368.1	11,362.9	21.4	15.2	-140.44	103.7	39.1	688.5	651.5	37.02	18.598	
11,550.0	11,503.5	11,375.0	11,369.6	21.4	15.2	-140.03	105.3	39.1	695.2	658.1	37.09	18.746	
11,575.0	11,528.1	11,389.7	11,383.8	21.4	15.2	-139.69	108.8	39.1	703.3	666.2	37.14	18.939	
11,600.0	11,552.5	11,400.0	11,393.8	21.4	15.2	-139.17	111.6	39.0	712.8	675.6	37.21	19.158	
11,625.0	11,576.5	11,409.3	11,402.6	21.4	15.2	-138.51	114.3	39.0	723.7	686.4	37.29	19.406	
11,650.0	11,600.1	11,425.0	11,417.6	21.4	15.2	-137.98	119.2	39.0	735.9	698.6	37.34	19.708	
11,675.0	11,623.3	11,425.0	11,417.6	21.4	15.2	-136.70	119.2	39.0	749.2	711.7	37.49	19.987	
11,700.0	11,646.0	11,434.2	11,426.3	21.5	15.2	-135.63	122.3	38.9	763.8	726.2	37.58	20.326	
11,725.0	11,668.1	11,441.3	11,432.8	21.5	15.2	-134.28	124.8	38.9	779.4	741.7	37.68	20.686	
11,750.0	11,689.5	11,450.0	11,441.0	21.5	15.2	-132.83	128.0	38.9	796.1	758.3	37.76	21.081	
11,775.0	11,710.3	11,450.0	11,441.0	21.5	15.2	-130.60	128.0	38.9	813.7	775.8	37.91	21.464	
11,800.0	11,730.3	11,458.4	11,448.8	21.5	15.2	-128.63	131.3	38.8	832.2	794.2	37.98	21.909	
11,825.0	11,749.4	11,462.9	11,452.8	21.5	15.2	-126.08	133.1	38.8	851.5	813.4	38.08	22.361	
11,850.0	11,767.7	11,466.7	11,456.3	21.5	15.2	-123.11	134.6	38.8	871.5	833.3	38.17	22.831	
11,875.0	11,785.1	11,475.0	11,463.8	21.5	15.2	-120.17	138.1	38.8	892.1	853.9	38.21	23.348	
11,900.0	11,801.6	11,475.0	11,463.8	21.6	15.2	-115.98	138.1	38.8	913.2	874.9	38.31	23.839	
11,925.0	11,817.0	11,475.0	11,463.8	21.6	15.2	-111.26	138.1	38.8	934.8	896.5	38.39	24.348	
11,950.0	11,831.3	11,475.0	11,463.8	21.6	15.2	-106.00	138.1	38.8	956.8	918.4	38.47	24.875	
11,975.0	11,844.6	11,475.0	11,463.8	21.6	15.2	-100.23	138.1	38.8	979.1	940.6	38.52	25.416	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	50.25	133.8	160.9	209.3	202.3	6.98	29.983	
100.0	100.0	100.0	100.0	3.1	3.1	50.25	133.8	160.9	209.3	202.1	7.23	28.966	
200.0	200.0	200.0	200.0	3.2	3.2	50.25	133.8	160.9	209.3	201.8	7.47	28.039	
300.0	300.0	300.0	300.0	3.4	3.4	50.25	133.8	160.9	209.3	201.6	7.70	27.189	
400.0	400.0	400.0	400.0	3.5	3.5	50.25	133.8	160.9	209.3	201.4	7.93	26.405	
500.0	500.0	500.0	500.0	3.6	3.6	50.25	133.8	160.9	209.3	201.2	8.15	25.680	
600.0	600.0	600.0	600.0	3.7	3.7	50.25	133.8	160.9	209.3	200.9	8.37	25.007	
700.0	700.0	700.0	700.0	3.9	3.9	50.25	133.8	160.9	209.3	200.7	8.59	24.378	
800.0	800.0	800.0	800.0	4.0	4.0	50.25	133.8	160.9	209.3	200.5	8.80	23.789	
900.0	900.0	900.0	900.0	4.1	4.1	50.25	133.8	160.9	209.3	200.3	9.01	23.237	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	50.25	133.8	160.9	209.3	200.1	9.21	22.716	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	50.25	133.8	160.9	209.3	199.9	9.42	22.225	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	50.25	133.8	160.9	209.3	199.7	9.62	21.760	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	50.25	133.8	160.9	209.3	199.5	9.82	21.320	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	50.25	133.8	160.9	209.3	199.3	10.01	20.901	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	50.25	133.8	160.9	209.3	199.1	10.21	20.503 CC, ES, SF	
1,600.0	1,600.0	1,594.1	1,594.1	5.0	4.9	-171.57	134.0	162.5	212.4	202.2	10.21	20.802	
1,700.0	1,699.8	1,687.7	1,687.5	5.2	5.0	-171.09	134.6	167.0	221.7	211.1	10.68	20.762	
1,800.0	1,799.5	1,780.1	1,779.7	5.5	5.2	-170.36	135.5	174.5	237.2	226.1	11.17	21.246	
1,900.0	1,898.7	1,876.5	1,875.5	5.8	5.4	-169.55	136.7	184.4	258.0	246.4	11.65	22.150	
2,000.0	1,997.5	1,973.5	1,972.0	6.1	5.7	-168.95	138.0	194.5	282.2	270.1	12.16	23.218	
2,100.0	2,095.9	2,070.0	2,068.0	6.3	5.9	-168.59	139.2	204.5	308.1	295.5	12.62	24.419	
2,200.0	2,194.4	2,166.6	2,164.0	6.6	6.2	-168.29	140.4	214.6	334.1	320.9	13.11	25.478	
2,300.0	2,292.9	2,263.2	2,260.1	6.9	6.4	-168.03	141.6	224.6	360.0	346.3	13.63	26.405	
2,400.0	2,391.4	2,359.7	2,356.1	7.2	6.7	-167.80	142.9	234.6	385.9	371.7	14.18	27.213	
2,500.0	2,489.9	2,456.3	2,452.2	7.5	7.0	-167.61	144.1	244.6	411.8	397.1	14.75	27.918	
2,600.0	2,588.3	2,552.9	2,548.2	7.9	7.3	-167.43	145.3	254.6	437.8	422.4	15.34	28.533	
2,700.0	2,686.8	2,649.5	2,644.3	8.2	7.6	-167.28	146.6	264.6	463.7	447.7	15.95	29.070	
2,800.0	2,785.3	2,746.0	2,740.3	8.6	7.9	-167.14	147.8	274.7	489.6	473.0	16.58	29.539	
2,900.0	2,883.8	2,842.6	2,836.3	9.0	8.3	-167.02	149.0	284.7	515.6	498.4	17.21	29.950	
3,000.0	2,982.3	2,939.2	2,932.4	9.3	8.6	-166.91	150.3	294.7	541.5	523.6	17.86	30.311	
3,100.0	3,080.8	3,035.7	3,028.4	9.7	8.9	-166.81	151.5	304.7	567.4	548.9	18.53	30.628	
3,200.0	3,179.2	3,132.3	3,124.5	10.1	9.3	-166.71	152.7	314.7	593.4	574.2	19.20	30.907	
3,300.0	3,277.7	3,228.9	3,220.5	10.5	9.6	-166.63	153.9	324.8	619.3	599.5	19.88	31.154	
3,400.0	3,376.2	3,325.5	3,316.5	10.9	9.9	-166.55	155.2	334.8	645.3	624.7	20.57	31.372	
3,500.0	3,474.7	3,422.0	3,412.6	11.3	10.3	-166.48	156.4	344.8	671.2	650.0	21.26	31.566	
3,600.0	3,573.2	3,518.6	3,508.6	11.7	10.6	-166.41	157.6	354.8	697.2	675.2	21.97	31.737	
3,700.0	3,671.6	3,615.2	3,604.7	12.1	11.0	-166.35	158.9	364.8	723.1	700.5	22.68	31.891	
3,800.0	3,770.1	3,711.7	3,700.7	12.6	11.4	-166.29	160.1	374.9	749.1	725.7	23.39	32.027	
3,900.0	3,868.6	3,808.3	3,796.8	13.0	11.7	-166.24	161.3	384.9	775.0	750.9	24.11	32.149	
4,000.0	3,967.1	3,904.9	3,892.8	13.4	12.1	-166.19	162.6	394.9	801.0	776.2	24.83	32.259	
4,100.0	4,065.6	4,001.5	3,988.8	13.8	12.4	-166.14	163.8	404.9	826.9	801.4	25.56	32.357	
4,200.0	4,164.0	4,098.0	4,084.9	14.2	12.8	-166.09	165.0	414.9	852.9	826.6	26.29	32.445	
4,300.0	4,262.5	4,206.2	4,192.5	14.7	13.2	-166.07	166.3	425.5	878.4	851.3	27.07	32.442	
4,400.0	4,361.0	4,318.8	4,304.8	15.1	13.6	-166.11	167.4	434.5	902.2	874.3	27.89	32.349	
4,500.0	4,459.5	4,432.4	4,418.2	15.5	14.0	-166.21	168.3	441.3	924.3	895.6	28.69	32.221	
4,545.2	4,504.0	4,484.0	4,469.7	15.7	14.1	-166.27	168.5	443.6	933.8	904.7	29.03	32.169	
4,600.0	4,558.0	4,546.9	4,532.5	15.9	14.3	-166.39	168.8	445.9	944.5	915.1	29.43	32.093	
4,700.0	4,656.8	4,662.4	4,648.1	16.4	14.6	-166.62	169.1	448.2	961.4	931.3	30.15	31.890	
4,800.0	4,755.8	4,770.2	4,755.8	16.8	14.8	-166.85	169.1	448.5	975.1	944.4	30.70	31.763	
4,900.0	4,855.1	4,869.5	4,855.1	17.2	14.8	-167.03	169.1	448.5	986.9	955.7	31.17	31.662	
5,000.0	4,954.6	4,968.9	4,954.6	17.6	14.9	-167.19	169.1	448.5	997.0	965.4	31.63	31.518	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	1.0	1.0	3.0	3.0	57.82	117.1	186.1	219.8	212.9	6.98	31.490	
100.0	100.0	101.0	101.0	3.1	3.1	57.82	117.1	186.1	219.8	212.6	7.23	30.419	
200.0	200.0	201.0	201.0	3.2	3.3	57.82	117.1	186.1	219.8	212.4	7.46	29.451	
300.0	300.0	301.0	301.0	3.4	3.4	57.82	117.1	186.1	219.8	212.1	7.70	28.566	
400.0	400.0	401.0	401.0	3.5	3.5	57.82	117.1	186.1	219.8	211.9	7.92	27.754	
500.0	500.0	501.0	501.0	3.6	3.6	57.82	117.1	186.1	219.8	211.7	8.14	27.003	
600.0	600.0	601.0	601.0	3.7	3.7	57.82	117.1	186.1	219.8	211.5	8.36	26.307	
700.0	700.0	701.0	701.0	3.9	3.9	57.82	117.1	186.1	219.8	211.3	8.57	25.659	
800.0	800.0	801.0	801.0	4.0	4.0	57.82	117.1	186.1	219.8	211.1	8.77	25.054	
900.0	900.0	901.0	901.0	4.1	4.1	57.82	117.1	186.1	219.8	210.9	8.98	24.486	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	57.82	117.1	186.1	219.8	210.7	9.18	23.953	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	57.82	117.1	186.1	219.8	210.5	9.37	23.450	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	57.82	117.1	186.1	219.8	210.3	9.57	22.975	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	57.82	117.1	186.1	219.8	210.1	9.76	22.524	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	57.82	117.1	186.1	219.8	209.9	9.95	22.097	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	57.82	117.1	186.1	219.8	209.8	10.07	21.827 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	57.82	117.1	186.1	219.8	209.7	10.13	21.694 ES, SF	
1,600.0	1,600.0	1,594.5	1,594.4	5.0	4.9	-164.09	117.2	187.6	223.0	212.9	10.14	21.994	
1,700.0	1,699.8	1,687.4	1,687.3	5.2	5.0	-163.86	117.6	192.2	232.4	221.8	10.61	21.897	
1,800.0	1,799.5	1,779.3	1,778.9	5.5	5.2	-163.50	118.3	199.6	248.0	236.9	11.10	22.331	
1,900.0	1,898.7	1,869.6	1,868.6	5.8	5.5	-163.05	119.2	209.8	269.7	258.0	11.61	23.224	
2,000.0	1,997.5	1,957.9	1,955.9	6.1	5.8	-162.56	120.3	222.4	297.3	285.2	12.13	24.499	
2,100.0	2,095.9	2,048.7	2,045.4	6.3	6.0	-162.18	121.6	237.8	328.8	316.2	12.60	26.090	
2,200.0	2,194.4	2,143.5	2,138.8	6.6	6.3	-161.83	123.0	254.2	360.6	347.5	13.10	27.534	
2,300.0	2,292.9	2,238.3	2,232.1	6.9	6.6	-161.54	124.5	270.6	392.5	378.8	13.63	28.802	
2,400.0	2,391.4	2,333.1	2,325.5	7.2	6.9	-161.28	125.9	287.0	424.3	410.1	14.18	29.914	
2,500.0	2,489.9	2,427.8	2,418.8	7.5	7.2	-161.07	127.3	303.4	456.1	441.4	14.77	30.888	
2,600.0	2,588.3	2,522.6	2,512.1	7.9	7.5	-160.88	128.8	319.8	488.0	472.6	15.37	31.742	
2,700.0	2,686.8	2,617.4	2,605.5	8.2	7.8	-160.72	130.2	336.2	519.9	503.9	16.00	32.490	
2,800.0	2,785.3	2,712.2	2,698.8	8.6	8.2	-160.57	131.7	352.6	551.7	535.1	16.64	33.147	
2,900.0	2,883.8	2,807.0	2,792.2	9.0	8.5	-160.44	133.1	369.0	583.6	566.3	17.30	33.726	
3,000.0	2,982.3	2,901.7	2,885.5	9.3	8.9	-160.33	134.5	385.4	615.5	597.5	17.98	34.235	
3,100.0	3,080.8	2,996.5	2,978.8	9.7	9.2	-160.22	136.0	401.8	647.3	628.7	18.66	34.685	
3,200.0	3,179.2	3,091.3	3,072.2	10.1	9.6	-160.13	137.4	418.2	679.2	659.8	19.36	35.084	
3,300.0	3,277.7	3,186.1	3,165.5	10.5	10.0	-160.04	138.8	434.6	711.1	691.0	20.07	35.438	
3,400.0	3,376.2	3,280.9	3,258.9	10.9	10.4	-159.96	140.3	451.0	742.9	722.2	20.78	35.753	
3,500.0	3,474.7	3,375.6	3,352.2	11.3	10.7	-159.89	141.7	467.4	774.8	753.3	21.50	36.034	
3,600.0	3,573.2	3,470.4	3,445.5	11.7	11.1	-159.82	143.1	483.8	806.7	784.5	22.23	36.286	
3,700.0	3,671.6	3,565.2	3,538.9	12.1	11.5	-159.76	144.6	500.2	838.6	815.6	22.97	36.511	
3,800.0	3,770.1	3,660.0	3,632.2	12.6	11.9	-159.70	146.0	516.6	870.5	846.7	23.71	36.714	
3,900.0	3,868.6	3,754.7	3,725.6	13.0	12.3	-159.65	147.4	533.0	902.3	877.9	24.46	36.897	
4,000.0	3,967.1	3,849.5	3,818.9	13.4	12.7	-159.60	148.9	549.4	934.2	909.0	25.21	37.062	
4,100.0	4,065.6	3,944.3	3,912.2	13.8	13.1	-159.55	150.3	565.8	966.1	940.1	25.96	37.211	
4,200.0	4,164.0	4,039.1	4,005.6	14.2	13.5	-159.51	151.7	582.2	998.0	971.3	26.72	37.347	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11557-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	1.0	1.0	3.0	3.0	64.60	100.3	211.3	233.9	226.9	6.98	33.501		
100.0	100.0	101.0	101.0	3.1	3.1	64.60	100.3	211.3	233.9	226.6	7.23	32.364		
200.0	200.0	201.0	201.0	3.2	3.3	64.60	100.3	211.3	233.9	226.4	7.46	31.338		
300.0	300.0	301.0	301.0	3.4	3.4	64.60	100.3	211.3	233.9	226.2	7.69	30.404		
400.0	400.0	401.0	401.0	3.5	3.5	64.60	100.3	211.3	233.9	226.0	7.92	29.548		
500.0	500.0	501.0	501.0	3.6	3.6	64.60	100.3	211.3	233.9	225.7	8.13	28.758		
600.0	600.0	601.0	601.0	3.7	3.7	64.60	100.3	211.3	233.9	225.5	8.34	28.028		
700.0	700.0	701.0	701.0	3.9	3.9	64.60	100.3	211.3	233.9	225.3	8.55	27.349		
800.0	800.0	801.0	801.0	4.0	4.0	64.60	100.3	211.3	233.9	225.1	8.75	26.715		
900.0	900.0	901.0	901.0	4.1	4.1	64.60	100.3	211.3	233.9	224.9	8.95	26.123		
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	64.60	100.3	211.3	233.9	224.7	9.15	25.566		
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	64.60	100.3	211.3	233.9	224.5	9.34	25.042		
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	64.60	100.3	211.3	233.9	224.3	9.53	24.548		
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	64.60	100.3	211.3	233.9	224.2	9.71	24.080		
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	64.60	100.3	211.3	233.9	224.0	9.89	23.636		
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	64.60	100.3	211.3	233.9	223.9	10.01	23.356 CC		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	64.60	100.3	211.3	233.9	223.8	10.07	23.218 ES, SF		
1,600.0	1,600.0	1,593.8	1,593.8	5.0	4.9	-157.39	100.4	212.8	237.0	226.9	10.07	23.525		
1,700.0	1,699.8	1,686.2	1,686.1	5.2	5.0	-157.35	100.6	217.3	246.4	235.8	10.55	23.351		
1,800.0	1,799.5	1,777.5	1,777.1	5.5	5.2	-157.28	101.0	224.7	261.8	250.8	11.04	23.711		
1,900.0	1,898.7	1,867.3	1,866.3	5.8	5.5	-157.19	101.6	234.7	283.3	271.8	11.55	24.533		
2,000.0	1,997.5	1,955.0	1,953.1	6.1	5.8	-157.07	102.2	247.3	310.7	298.7	12.07	25.741		
2,100.0	2,095.9	2,040.9	2,037.7	6.3	6.1	-157.09	103.0	262.1	342.3	329.8	12.54	27.298		
2,200.0	2,194.4	2,125.1	2,120.2	6.6	6.3	-156.94	103.9	279.1	376.5	363.5	13.02	28.916		
2,300.0	2,292.9	2,208.6	2,201.4	6.9	6.6	-156.68	104.9	298.3	413.3	399.7	13.52	30.567		
2,400.0	2,391.4	2,301.2	2,291.2	7.2	6.9	-156.38	106.1	320.7	451.0	436.9	14.07	32.054		
2,500.0	2,489.9	2,393.8	2,381.1	7.5	7.2	-156.12	107.2	343.1	488.7	474.1	14.65	33.362		
2,600.0	2,588.3	2,486.4	2,470.9	7.9	7.6	-155.91	108.4	365.4	526.5	511.2	15.25	34.514		
2,700.0	2,686.8	2,578.9	2,560.7	8.2	7.9	-155.72	109.6	387.8	564.2	548.3	15.88	35.530		
2,800.0	2,785.3	2,671.5	2,650.6	8.6	8.2	-155.55	110.8	410.2	602.0	585.5	16.53	36.425		
2,900.0	2,883.8	2,764.1	2,740.4	9.0	8.6	-155.41	111.9	432.5	639.7	622.5	17.19	37.216		
3,000.0	2,982.3	2,856.7	2,830.2	9.3	9.0	-155.28	113.1	454.9	677.5	659.6	17.87	37.917		
3,100.0	3,080.8	2,949.3	2,920.1	9.7	9.3	-155.16	114.3	477.3	715.3	696.7	18.56	38.538		
3,200.0	3,179.2	3,041.9	3,009.9	10.1	9.7	-155.06	115.4	499.6	753.0	733.8	19.26	39.091		
3,300.0	3,277.7	3,134.5	3,099.8	10.5	10.1	-154.96	116.6	522.0	790.8	770.8	19.98	39.583		
3,400.0	3,376.2	3,227.0	3,189.6	10.9	10.5	-154.88	117.8	544.4	828.6	807.9	20.70	40.023		
3,500.0	3,474.7	3,319.6	3,279.4	11.3	10.9	-154.80	119.0	566.7	866.4	844.9	21.43	40.418		
3,600.0	3,573.2	3,412.2	3,369.3	11.7	11.3	-154.73	120.1	589.1	904.1	882.0	22.18	40.772		
3,700.0	3,671.6	3,504.8	3,459.1	12.1	11.7	-154.66	121.3	611.5	941.9	919.0	22.92	41.091		
3,800.0	3,770.1	3,597.4	3,548.9	12.6	12.1	-154.60	122.5	633.8	979.7	956.0	23.68	41.379		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11185-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	70.56	83.4	236.3	250.6	243.6	6.98	35.897	
100.0	100.0	101.0	101.0	3.1	3.1	70.56	83.4	236.3	250.6	243.4	7.23	34.680	
200.0	200.0	201.0	201.0	3.2	3.3	70.56	83.4	236.3	250.6	243.1	7.46	33.585	
300.0	300.0	301.0	301.0	3.4	3.4	70.56	83.4	236.3	250.6	242.9	7.69	32.589	
400.0	400.0	401.0	401.0	3.5	3.5	70.56	83.4	236.3	250.6	242.7	7.91	31.677	
500.0	500.0	501.0	501.0	3.6	3.6	70.56	83.4	236.3	250.6	242.5	8.13	30.839	
600.0	600.0	601.0	601.0	3.7	3.7	70.56	83.4	236.3	250.6	242.3	8.34	30.064	
700.0	700.0	701.0	701.0	3.9	3.9	70.56	83.4	236.3	250.6	242.1	8.54	29.345	
800.0	800.0	801.0	801.0	4.0	4.0	70.56	83.4	236.3	250.6	241.9	8.74	28.675	
900.0	900.0	901.0	901.0	4.1	4.1	70.56	83.4	236.3	250.6	241.7	8.93	28.048	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	70.56	83.4	236.3	250.6	241.5	9.13	27.461	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	70.56	83.4	236.3	250.6	241.3	9.31	26.908	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	70.56	83.4	236.3	250.6	241.1	9.50	26.387	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	70.56	83.4	236.3	250.6	240.9	9.68	25.895	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	70.56	83.4	236.3	250.6	240.7	9.85	25.429	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	70.56	83.4	236.3	250.6	240.6	9.97	25.134 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	70.56	83.4	236.3	250.6	240.6	10.03	24.989 ES, SF	
1,600.0	1,600.0	1,593.2	1,593.2	5.0	4.9	-151.48	83.4	237.8	253.7	243.7	10.02	25.308	
1,700.0	1,699.8	1,684.9	1,684.8	5.2	5.0	-151.58	83.5	242.3	262.9	252.4	10.50	25.047	
1,800.0	1,799.5	1,775.6	1,775.2	5.5	5.2	-151.74	83.6	249.6	278.1	267.1	10.98	25.318	
1,900.0	1,898.7	1,864.8	1,863.9	5.8	5.5	-151.91	83.8	259.5	299.3	287.8	11.49	26.053	
2,000.0	1,997.5	1,952.1	1,950.2	6.1	5.8	-152.08	84.0	271.9	326.3	314.3	12.01	27.175	
2,100.0	2,095.9	2,037.5	2,034.4	6.3	6.0	-152.41	84.3	286.6	357.5	345.1	12.48	28.653	
2,200.0	2,194.4	2,121.4	2,116.5	6.6	6.3	-152.56	84.6	303.4	391.4	378.4	12.96	30.201	
2,300.0	2,292.9	2,200.0	2,193.1	6.9	6.6	-152.56	84.9	321.4	427.8	414.4	13.42	31.872	
2,400.0	2,391.4	2,283.9	2,274.1	7.2	6.9	-152.45	85.3	342.9	466.6	452.7	13.96	33.436	
2,500.0	2,489.9	2,372.8	2,359.6	7.5	7.2	-152.28	85.7	367.3	507.1	492.6	14.52	34.936	
2,600.0	2,588.3	2,464.2	2,447.5	7.9	7.6	-152.12	86.1	392.5	547.7	532.6	15.11	36.240	
2,700.0	2,686.8	2,555.6	2,535.4	8.2	7.9	-151.99	86.6	417.7	588.2	572.5	15.73	37.391	
2,800.0	2,785.3	2,647.0	2,623.2	8.6	8.2	-151.88	87.0	442.9	628.8	612.4	16.37	38.406	
2,900.0	2,883.8	2,738.4	2,711.1	9.0	8.6	-151.78	87.5	468.1	669.3	652.3	17.03	39.304	
3,000.0	2,982.3	2,829.8	2,798.9	9.3	8.9	-151.69	87.9	493.3	709.9	692.2	17.70	40.098	
3,100.0	3,080.8	2,921.2	2,886.8	9.7	9.3	-151.61	88.3	518.5	750.4	732.0	18.39	40.802	
3,200.0	3,179.2	3,012.6	2,974.7	10.1	9.7	-151.53	88.8	543.7	791.0	771.9	19.09	41.429	
3,300.0	3,277.7	3,104.0	3,062.5	10.5	10.1	-151.47	89.2	568.9	831.6	811.8	19.81	41.987	
3,400.0	3,376.2	3,195.4	3,150.4	10.9	10.5	-151.41	89.7	594.0	872.1	851.6	20.53	42.486	
3,500.0	3,474.7	3,286.8	3,238.2	11.3	10.9	-151.36	90.1	619.2	912.7	891.4	21.26	42.932	
3,600.0	3,573.2	3,378.2	3,326.1	11.7	11.3	-151.31	90.5	644.4	953.2	931.2	22.00	43.333	
3,700.0	3,671.6	3,469.6	3,414.0	12.1	11.7	-151.26	91.0	669.6	993.8	971.1	22.74	43.693	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-56.15	16.7	-25.0	30.1	23.1	6.98	4.311		
100.0	100.0	99.0	99.0	3.1	3.1	-56.15	16.7	-25.0	30.1	22.8	7.22	4.163		
200.0	200.0	199.0	199.0	3.2	3.2	-56.15	16.7	-25.0	30.1	22.6	7.46	4.029		
300.0	300.0	299.0	299.0	3.4	3.4	-56.15	16.7	-25.0	30.1	22.4	7.69	3.908		
400.0	400.0	399.0	399.0	3.5	3.5	-56.15	16.7	-25.0	30.1	22.1	7.92	3.796		
500.0	500.0	499.0	499.0	3.6	3.6	-56.15	16.7	-25.0	30.1	21.9	8.14	3.693		
600.0	600.0	599.0	599.0	3.7	3.7	-56.15	16.7	-25.0	30.1	21.7	8.36	3.598		
700.0	700.0	699.0	699.0	3.9	3.9	-56.15	16.7	-25.0	30.1	21.5	8.57	3.509		
800.0	800.0	799.0	799.0	4.0	4.0	-56.15	16.7	-25.0	30.1	21.3	8.78	3.425		
900.0	900.0	899.0	899.0	4.1	4.1	-56.15	16.7	-25.0	30.1	21.1	8.98	3.347		
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.15	16.7	-25.0	30.1	20.9	9.18	3.274		
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.15	16.7	-25.0	30.1	20.7	9.38	3.205		
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.15	16.7	-25.0	30.1	20.5	9.58	3.139		
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.15	16.7	-25.0	30.1	20.3	9.77	3.077		
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.15	16.7	-25.0	30.1	20.1	9.96	3.019		
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.15	16.7	-25.0	30.1	19.9	10.15	2.963 CC, ES		
1,600.0	1,600.0	1,598.8	1,598.7	5.0	5.0	81.98	15.6	-26.2	30.2	20.2	9.99	3.023		
1,700.0	1,699.8	1,698.5	1,698.4	5.2	5.2	82.21	12.1	-30.0	30.6	20.3	10.31	2.974		
1,800.0	1,799.5	1,798.3	1,797.7	5.5	5.4	82.54	6.2	-36.3	31.4	20.8	10.62	2.956		
1,900.0	1,898.7	1,898.0	1,896.8	5.8	5.7	82.95	-2.1	-45.2	32.4	21.5	10.93	2.967		
2,000.0	1,997.5	1,997.8	1,995.3	6.1	6.0	83.43	-12.7	-56.5	33.7	22.5	11.24	3.003		
2,100.0	2,095.9	2,097.5	2,093.2	6.3	6.4	81.19	-25.6	-70.4	35.6	24.0	11.56	3.080		
2,200.0	2,194.4	2,197.0	2,190.1	6.6	6.7	74.24	-40.8	-86.7	38.6	26.6	11.95	3.229		
2,300.0	2,292.9	2,296.7	2,286.9	6.9	7.0	66.15	-57.2	-104.3	42.9	30.4	12.49	3.437		
2,400.0	2,391.4	2,396.5	2,383.7	7.2	7.4	59.64	-73.7	-122.0	48.0	34.8	13.12	3.654		
2,500.0	2,489.9	2,496.2	2,480.5	7.5	7.7	54.41	-90.2	-139.6	53.5	39.7	13.82	3.870		
2,600.0	2,588.3	2,595.9	2,577.2	7.9	8.0	50.19	-106.6	-157.3	59.4	44.8	14.56	4.078		
2,700.0	2,686.8	2,695.7	2,674.0	8.2	8.4	46.75	-123.1	-174.9	65.5	50.2	15.33	4.275		
2,800.0	2,785.3	2,795.4	2,770.8	8.6	8.8	43.90	-139.5	-192.6	71.9	55.8	16.12	4.459		
2,900.0	2,883.8	2,895.2	2,867.6	9.0	9.2	41.52	-156.0	-210.2	78.4	61.4	16.92	4.632		
3,000.0	2,982.3	2,994.9	2,964.3	9.3	9.6	39.51	-172.4	-227.8	85.0	67.2	17.73	4.791		
3,100.0	3,080.8	3,094.6	3,061.1	9.7	10.0	37.79	-188.9	-245.5	91.7	73.1	18.56	4.939		
3,200.0	3,179.2	3,194.4	3,157.9	10.1	10.4	36.30	-205.3	-263.1	98.4	79.0	19.39	5.075		
3,300.0	3,277.7	3,294.1	3,254.7	10.5	10.8	35.01	-221.8	-280.8	105.3	85.0	20.24	5.202		
3,400.0	3,376.2	3,393.9	3,351.5	10.9	11.3	33.88	-238.3	-298.4	112.1	91.1	21.08	5.318		
3,500.0	3,474.7	3,493.6	3,448.2	11.3	11.7	32.87	-254.7	-316.1	119.0	97.1	21.94	5.426		
3,600.0	3,573.2	3,593.3	3,545.0	11.7	12.1	31.98	-271.2	-333.7	126.0	103.2	22.80	5.526		
3,700.0	3,671.6	3,693.1	3,641.8	12.1	12.6	31.18	-287.6	-351.4	133.0	109.3	23.66	5.619		
3,800.0	3,770.1	3,792.8	3,738.6	12.6	13.0	30.46	-304.1	-369.0	140.0	115.4	24.53	5.705		
3,900.0	3,868.6	3,892.6	3,835.3	13.0	13.5	29.80	-320.5	-386.7	147.0	121.6	25.41	5.785		
4,000.0	3,967.1	3,992.3	3,932.1	13.4	13.9	29.21	-337.0	-404.3	154.0	127.7	26.28	5.860		
4,100.0	4,065.6	4,092.0	4,028.9	13.8	14.4	28.67	-353.5	-422.0	161.0	133.9	27.16	5.929		
4,200.0	4,164.0	4,191.8	4,125.7	14.2	14.8	28.18	-369.9	-439.6	168.1	140.1	28.04	5.994		
4,300.0	4,262.5	4,291.5	4,222.5	14.7	15.3	27.72	-386.4	-457.3	175.2	146.2	28.93	6.055		
4,400.0	4,361.0	4,391.3	4,319.2	15.1	15.7	27.30	-402.8	-474.9	182.3	152.4	29.82	6.113		
4,500.0	4,459.5	4,491.0	4,416.0	15.5	16.2	26.91	-419.3	-492.6	189.3	158.6	30.71	6.166		
4,545.2	4,504.0	4,536.1	4,459.8	15.7	16.4	26.75	-426.7	-500.5	192.6	161.5	31.10	6.192		
4,600.0	4,558.0	4,590.7	4,512.8	15.9	16.7	26.54	-435.7	-510.2	196.7	165.1	31.58	6.229		
4,700.0	4,656.8	4,690.3	4,609.4	16.4	17.1	26.01	-452.2	-527.8	205.4	172.9	32.49	6.322		
4,800.0	4,755.8	4,789.8	4,705.9	16.8	17.6	25.35	-468.6	-545.4	215.8	182.3	33.42	6.455		
4,900.0	4,855.1	4,889.0	4,802.2	17.2	18.0	24.56	-484.9	-563.0	227.7	193.3	34.36	6.626		
5,000.0	4,954.6	4,988.0	4,898.2	17.6	18.5	23.70	-501.3	-580.5	241.3	206.0	35.31	6.833		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,054.2	5,086.7	4,994.0	17.9	19.0	22.79	-517.6	-598.0	256.5	220.2	36.25	7.076	
5,200.0	5,153.9	5,185.2	5,089.6	18.3	19.4	21.85	-533.8	-615.4	273.3	236.2	37.17	7.354	
5,300.0	5,253.8	5,283.3	5,184.8	18.6	19.9	20.91	-550.0	-632.7	291.9	253.8	38.08	7.665	
5,400.0	5,353.7	5,381.1	5,279.7	18.9	20.4	19.98	-566.1	-650.0	312.1	273.2	38.96	8.012	
5,500.0	5,453.7	5,478.5	5,374.2	19.2	20.8	19.08	-582.2	-667.3	334.1	294.3	39.79	8.396	
5,545.2	5,498.9	5,522.4	5,416.8	19.3	21.0	-119.32	-589.5	-675.0	344.5	304.4	40.10	8.592	
5,600.0	5,553.7	5,576.9	5,469.6	19.3	21.3	-119.83	-598.4	-684.7	357.4	317.0	40.43	8.840	
5,700.0	5,653.7	5,680.7	5,570.7	19.3	21.8	-120.67	-614.7	-702.1	379.8	338.8	41.08	9.245	
5,800.0	5,753.7	5,785.5	5,673.1	19.3	22.3	-121.36	-629.8	-718.3	400.6	358.9	41.71	9.603	
5,900.0	5,853.7	5,891.0	5,776.6	19.3	22.7	-121.94	-643.8	-733.3	419.6	377.3	42.32	9.916	
6,000.0	5,953.7	5,997.2	5,881.2	19.4	23.2	-122.41	-656.5	-746.9	436.9	394.0	42.89	10.186	
6,100.0	6,053.7	6,104.1	5,986.7	19.4	23.7	-122.81	-668.0	-759.2	452.4	408.9	43.44	10.414	
6,200.0	6,153.7	6,211.7	6,093.2	19.4	24.1	-123.14	-678.1	-770.2	466.0	422.1	43.95	10.603	
6,300.0	6,253.7	6,319.7	6,200.5	19.5	24.6	-123.40	-687.0	-779.7	477.9	433.4	44.44	10.753	
6,400.0	6,353.7	6,428.2	6,308.4	19.5	25.0	-123.62	-694.5	-787.7	487.9	443.0	44.90	10.867	
6,500.0	6,453.7	6,537.1	6,416.9	19.5	25.4	-123.79	-700.6	-794.3	496.0	450.7	45.31	10.947	
6,600.0	6,553.7	6,646.3	6,525.9	19.6	25.8	-123.92	-705.4	-799.4	502.3	456.6	45.69	10.994	
6,700.0	6,653.7	6,755.7	6,635.2	19.6	26.2	-124.00	-708.7	-802.9	506.7	460.7	46.02	11.011	
6,800.0	6,753.7	6,865.3	6,744.8	19.6	26.5	-124.05	-710.6	-805.0	509.2	462.9	46.28	11.003	
6,900.0	6,853.7	6,973.3	6,852.7	19.7	26.6	-124.07	-711.1	-805.5	509.9	463.5	46.38	10.994	
7,000.0	6,953.7	7,073.3	6,952.7	19.7	26.7	-124.07	-711.1	-805.5	509.9	463.5	46.42	10.984	
7,100.0	7,053.7	7,173.3	7,052.7	19.7	26.7	-124.07	-711.1	-805.5	509.9	463.4	46.47	10.973	
7,200.0	7,153.7	7,273.3	7,152.7	19.7	26.7	-124.07	-711.1	-805.5	509.9	463.4	46.51	10.962	
7,300.0	7,253.7	7,373.3	7,252.7	19.8	26.7	-124.07	-711.1	-805.5	509.9	463.3	46.56	10.950	
7,400.0	7,353.7	7,473.3	7,352.7	19.8	26.7	-124.07	-711.1	-805.5	509.9	463.3	46.61	10.939	
7,500.0	7,453.7	7,573.3	7,452.7	19.8	26.8	-124.07	-711.1	-805.5	509.9	463.2	46.66	10.927	
7,600.0	7,553.7	7,673.3	7,552.7	19.9	26.8	-124.07	-711.1	-805.5	509.9	463.2	46.71	10.916	
7,700.0	7,653.7	7,773.3	7,652.7	19.9	26.8	-124.07	-711.1	-805.5	509.9	463.1	46.76	10.904	
7,800.0	7,753.7	7,873.3	7,752.7	20.0	26.8	-124.07	-711.1	-805.5	509.9	463.1	46.81	10.892	
7,900.0	7,853.7	7,973.3	7,852.7	20.0	26.8	-124.07	-711.1	-805.5	509.9	463.0	46.86	10.880	
8,000.0	7,953.7	8,073.3	7,952.7	20.0	26.9	-124.07	-711.1	-805.5	509.9	463.0	46.92	10.868	
8,100.0	8,053.7	8,173.3	8,052.7	20.1	26.9	-124.07	-711.1	-805.5	509.9	462.9	46.97	10.856	
8,200.0	8,153.7	8,273.3	8,152.7	20.1	26.9	-124.07	-711.1	-805.5	509.9	462.9	47.02	10.844	
8,300.0	8,253.7	8,373.3	8,252.7	20.1	26.9	-124.07	-711.1	-805.5	509.9	462.8	47.07	10.831	
8,400.0	8,353.7	8,473.3	8,352.7	20.2	27.0	-124.07	-711.1	-805.5	509.9	462.7	47.13	10.819	
8,500.0	8,453.7	8,573.3	8,452.7	20.2	27.0	-124.07	-711.1	-805.5	509.9	462.7	47.18	10.806	
8,600.0	8,553.7	8,673.3	8,552.7	20.2	27.0	-124.07	-711.1	-805.5	509.9	462.6	47.24	10.794	
8,700.0	8,653.7	8,773.3	8,652.7	20.3	27.0	-124.07	-711.1	-805.5	509.9	462.6	47.29	10.781	
8,800.0	8,753.7	8,873.3	8,752.7	20.3	27.0	-124.07	-711.1	-805.5	509.9	462.5	47.35	10.768	
8,900.0	8,853.7	8,973.3	8,852.7	20.3	27.1	-124.07	-711.1	-805.5	509.9	462.5	47.41	10.756	
9,000.0	8,953.7	9,073.3	8,952.7	20.4	27.1	-124.07	-711.1	-805.5	509.9	462.4	47.46	10.743	
9,100.0	9,053.7	9,173.3	9,052.7	20.4	27.1	-124.07	-711.1	-805.5	509.9	462.4	47.52	10.730	
9,200.0	9,153.7	9,273.3	9,152.7	20.5	27.1	-124.07	-711.1	-805.5	509.9	462.3	47.58	10.717	
9,300.0	9,253.7	9,373.3	9,252.7	20.5	27.2	-124.07	-711.1	-805.5	509.9	462.2	47.64	10.704	
9,400.0	9,353.7	9,473.3	9,352.7	20.5	27.2	-124.07	-711.1	-805.5	509.9	462.2	47.69	10.690	
9,500.0	9,453.7	9,573.3	9,452.7	20.6	27.2	-124.07	-711.1	-805.5	509.9	462.1	47.75	10.677	
9,600.0	9,553.7	9,673.3	9,552.7	20.6	27.2	-124.07	-711.1	-805.5	509.9	462.1	47.81	10.664	
9,700.0	9,653.7	9,773.3	9,652.7	20.7	27.3	-124.07	-711.1	-805.5	509.9	462.0	47.87	10.650	
9,800.0	9,753.7	9,873.3	9,752.7	20.7	27.3	-124.07	-711.1	-805.5	509.9	461.9	47.93	10.637	
9,900.0	9,853.7	9,973.3	9,852.7	20.7	27.3	-124.07	-711.1	-805.5	509.9	461.9	48.00	10.623	
10,000.0	9,953.7	10,073.3	9,952.7	20.8	27.3	-124.07	-711.1	-805.5	509.9	461.8	48.06	10.610	
10,100.0	10,053.7	10,173.3	10,052.7	20.8	27.4	-124.07	-711.1	-805.5	509.9	461.8	48.12	10.596	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.0	10,153.7	10,273.3	10,152.7	20.9	27.4	-124.07	-711.1	-805.5	509.9	461.7	48.18	10.582	
10,300.0	10,253.7	10,373.3	10,252.7	20.9	27.4	-124.07	-711.1	-805.5	509.9	461.6	48.25	10.568	
10,400.0	10,353.7	10,473.3	10,352.7	20.9	27.4	-124.07	-711.1	-805.5	509.9	461.6	48.31	10.555	
10,500.0	10,453.7	10,573.3	10,452.7	21.0	27.5	-124.07	-711.1	-805.5	509.9	461.5	48.37	10.541	
10,600.0	10,553.7	10,673.3	10,552.7	21.0	27.5	-124.07	-711.1	-805.5	509.9	461.4	48.44	10.527	
10,700.0	10,653.7	10,773.3	10,652.7	21.1	27.5	-124.07	-711.1	-805.5	509.9	461.4	48.50	10.513	
10,800.0	10,753.7	10,873.3	10,752.7	21.1	27.5	-124.07	-711.1	-805.5	509.9	461.3	48.57	10.498	
10,900.0	10,853.7	10,973.3	10,852.7	21.1	27.6	-124.07	-711.1	-805.5	509.9	461.2	48.63	10.484	
11,000.0	10,953.7	11,073.3	10,952.7	21.2	27.6	-124.07	-711.1	-805.5	509.9	461.2	48.70	10.470	
11,100.0	11,053.7	11,173.3	11,052.7	21.2	27.6	-124.07	-711.1	-805.5	509.9	461.1	48.77	10.456	
11,200.0	11,153.7	11,273.3	11,152.7	21.3	27.7	-124.07	-711.1	-805.5	509.9	461.0	48.83	10.441	
11,300.0	11,253.7	11,373.3	11,252.7	21.3	27.7	-124.07	-711.1	-805.5	509.9	461.0	48.89	10.428	
11,400.0	11,353.7	11,437.9	11,317.2	21.4	27.7	-124.40	-714.7	-805.5	513.1	463.8	49.28	10.412	
11,479.8	11,433.5	11,486.5	11,365.0	21.4	27.7	-125.18	-723.1	-805.4	521.0	471.3	49.76	10.471	
11,500.0	11,453.7	11,500.0	11,378.2	21.4	27.7	54.68	-726.3	-805.4	523.6	473.8	49.73	10.528	
11,525.0	11,478.7	11,513.4	11,391.1	21.4	27.7	54.17	-729.9	-805.4	526.5	476.6	49.87	10.556	
11,550.0	11,503.5	11,525.0	11,402.2	21.4	27.7	53.73	-733.2	-805.3	529.1	479.1	50.02	10.577	
11,575.0	11,528.1	11,543.1	11,419.3	21.4	27.7	53.26	-739.0	-805.3	531.4	481.3	50.12	10.603	
11,600.0	11,552.5	11,557.9	11,433.2	21.4	27.7	52.90	-744.2	-805.3	533.4	483.2	50.22	10.620	
11,625.0	11,576.5	11,575.0	11,449.0	21.4	27.7	52.57	-750.7	-805.2	535.1	484.8	50.31	10.636	
11,650.0	11,600.1	11,587.4	11,460.4	21.4	27.7	52.35	-755.8	-805.2	536.5	486.0	50.42	10.640	
11,675.0	11,623.3	11,600.0	11,471.7	21.4	27.7	52.17	-761.3	-805.2	537.5	487.0	50.51	10.642	
11,700.0	11,646.0	11,616.9	11,486.7	21.5	27.7	52.03	-769.1	-805.1	538.3	487.7	50.58	10.643	
11,725.0	11,668.1	11,631.7	11,499.5	21.5	27.7	51.96	-776.4	-805.1	538.7	488.0	50.64	10.637	
11,750.0	11,689.5	11,650.0	11,515.2	21.5	27.7	51.95	-785.9	-805.0	538.8	488.1	50.68	10.630	
11,775.0	11,710.3	11,661.2	11,524.5	21.5	27.8	51.99	-792.0	-805.0	538.5	487.7	50.74	10.612	
11,800.0	11,730.3	11,675.0	11,535.9	21.5	27.8	52.09	-799.9	-804.9	537.9	487.1	50.78	10.593	
11,825.0	11,749.4	11,690.7	11,548.5	21.5	27.8	52.26	-809.2	-804.8	537.0	486.2	50.80	10.571	
11,850.0	11,767.7	11,705.5	11,560.1	21.5	27.8	52.48	-818.4	-804.8	535.7	484.9	50.81	10.545	
11,875.0	11,785.1	11,725.0	11,575.0	21.5	27.8	52.80	-831.0	-804.7	534.2	483.4	50.80	10.515	
11,900.0	11,801.6	11,735.0	11,582.4	21.6	27.8	53.09	-837.7	-804.7	532.3	481.5	50.78	10.482	
11,925.0	11,817.0	11,750.0	11,593.3	21.6	27.8	53.49	-848.1	-804.6	530.1	479.4	50.75	10.446	
11,950.0	11,831.3	11,764.7	11,603.6	21.6	27.8	53.94	-858.5	-804.5	527.7	477.0	50.70	10.407	
11,975.0	11,844.6	11,775.0	11,610.6	21.6	27.8	54.38	-866.1	-804.5	524.9	474.3	50.62	10.370	
12,000.0	11,856.8	11,794.4	11,623.5	21.6	27.8	55.04	-880.7	-804.4	521.9	471.3	50.56	10.322	
12,025.0	11,867.7	11,809.4	11,632.9	21.7	27.8	55.68	-892.2	-804.3	518.6	468.1	50.46	10.277	
12,050.0	11,877.5	11,825.0	11,642.4	21.7	27.8	56.40	-904.6	-804.2	515.0	464.7	50.34	10.230	
12,075.0	11,886.1	11,839.3	11,650.8	21.7	27.8	57.14	-916.3	-804.1	511.2	461.0	50.20	10.184	
12,100.0	11,893.5	11,850.0	11,656.7	21.7	27.8	57.84	-925.1	-804.1	507.3	457.3	50.00	10.145	
12,125.0	11,899.5	11,869.5	11,667.2	21.7	27.9	58.86	-941.6	-804.0	503.1	453.2	49.87	10.088	
12,150.0	11,904.3	11,884.6	11,674.8	21.8	27.9	59.82	-954.7	-803.9	498.7	449.0	49.67	10.041	
12,175.0	11,907.9	11,900.0	11,682.1	21.8	27.9	60.84	-968.2	-803.8	494.2	444.7	49.45	9.994	
12,200.0	11,910.1	11,915.2	11,688.9	21.8	27.9	61.92	-981.7	-803.7	489.5	440.3	49.20	9.949	
12,225.0	11,911.0	11,930.5	11,695.3	21.8	27.9	63.06	-995.7	-803.6	484.8	435.9	48.94	9.906	
12,229.8	11,911.0	11,933.5	11,696.5	21.8	27.9	63.29	-998.4	-803.6	483.9	435.0	48.89	9.898	
12,300.0	11,911.0	11,975.0	11,711.4	21.9	27.9	64.91	-1,037.1	-803.4	472.4	424.4	48.06	9.829	
12,400.0	11,911.0	12,050.0	11,729.5	22.0	28.0	66.95	-1,109.8	-802.9	462.3	415.0	47.33	9.768	
12,500.0	11,911.0	12,119.8	11,735.9	22.1	28.0	67.69	-1,179.3	-802.4	458.6	411.9	46.66	9.829	
12,514.4	11,911.0	12,130.9	11,736.0	22.1	28.0	67.70	-1,190.3	-802.4	458.5	411.9	46.61	9.837	
12,600.0	11,911.0	12,216.4	11,736.0	22.2	28.1	67.70	-1,275.9	-801.8	458.5	411.5	47.02	9.751	
12,700.0	11,911.0	12,316.4	11,736.0	22.4	28.2	67.70	-1,375.9	-801.2	458.5	411.0	47.55	9.644	
12,800.0	11,911.0	12,416.4	11,736.0	22.5	28.3	67.70	-1,475.9	-800.5	458.5	410.4	48.12	9.530	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 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)			
12,900.0	11,911.0	12,516.4	11,736.0	22.8	28.4	67.70	-1,575.9	-799.8	458.5	409.8	48.72	9.411	
13,000.0	11,911.0	12,616.4	11,736.0	23.0	28.6	67.70	-1,675.9	-799.2	458.5	409.2	49.37	9.287	
13,100.0	11,911.0	12,716.4	11,736.0	23.2	28.7	67.70	-1,775.9	-798.5	458.5	408.5	50.06	9.160	
13,200.0	11,911.0	12,816.4	11,736.0	23.5	28.9	67.70	-1,875.9	-797.9	458.5	407.8	50.78	9.030	
13,300.0	11,911.0	12,916.4	11,736.0	23.8	29.1	67.70	-1,975.9	-797.2	458.5	407.0	51.54	8.897	
13,400.0	11,911.0	13,016.4	11,736.0	24.2	29.3	67.70	-2,075.9	-796.6	458.5	406.2	52.33	8.763	
13,500.0	11,911.0	13,116.4	11,736.0	24.6	29.6	67.70	-2,175.9	-795.9	458.5	405.4	53.15	8.628	
13,600.0	11,911.0	13,216.4	11,736.0	25.0	29.8	67.70	-2,275.9	-795.3	458.5	404.5	54.00	8.492	
13,700.0	11,911.0	13,316.4	11,736.0	25.4	30.1	67.70	-2,375.9	-794.6	458.5	403.7	54.88	8.356	
13,800.0	11,911.0	13,416.4	11,736.0	25.8	30.4	67.70	-2,475.9	-794.0	458.5	402.8	55.78	8.220	
13,900.0	11,911.0	13,516.4	11,736.0	26.3	30.7	67.70	-2,575.9	-793.3	458.5	401.8	56.72	8.085	
14,000.0	11,911.0	13,616.4	11,736.0	26.8	31.1	67.70	-2,675.9	-792.7	458.5	400.9	57.68	7.950	
14,100.0	11,911.0	13,716.4	11,736.0	27.3	31.4	67.70	-2,775.8	-792.0	458.5	399.9	58.66	7.817	
14,200.0	11,911.0	13,816.4	11,736.0	27.8	31.8	67.70	-2,875.8	-791.4	458.5	398.9	59.66	7.686	
14,300.0	11,911.0	13,916.4	11,736.0	28.4	32.2	67.70	-2,975.8	-790.7	458.5	397.9	60.68	7.556	
14,400.0	11,911.0	14,016.4	11,736.0	28.9	32.6	67.70	-3,075.8	-790.1	458.5	396.8	61.73	7.428	
14,500.0	11,911.0	14,116.4	11,736.0	29.5	33.0	67.70	-3,175.8	-789.4	458.5	395.7	62.79	7.302	
14,600.0	11,911.0	14,216.4	11,736.0	30.1	33.5	67.70	-3,275.8	-788.8	458.5	394.7	63.88	7.179	
14,700.0	11,911.0	14,316.4	11,736.0	30.6	34.0	67.70	-3,375.8	-788.1	458.5	393.6	64.98	7.057	
14,800.0	11,911.0	14,416.4	11,736.0	31.2	34.4	67.70	-3,475.8	-787.5	458.5	392.4	66.09	6.938	
14,900.0	11,911.0	14,516.4	11,736.0	31.8	34.9	67.70	-3,575.8	-786.8	458.5	391.3	67.22	6.821	
15,000.0	11,911.0	14,616.4	11,736.0	32.5	35.5	67.70	-3,675.8	-786.2	458.5	390.2	68.37	6.707	
15,100.0	11,911.0	14,716.4	11,736.0	33.1	36.0	67.70	-3,775.8	-785.5	458.5	389.0	69.53	6.595	
15,200.0	11,911.0	14,816.4	11,736.0	33.7	36.5	67.70	-3,875.8	-784.9	458.5	387.8	70.70	6.486	
15,300.0	11,911.0	14,916.4	11,736.0	34.4	37.1	67.70	-3,975.8	-784.2	458.5	386.7	71.89	6.378	
15,400.0	11,911.0	15,016.4	11,736.0	35.0	37.6	67.70	-4,075.8	-783.6	458.5	385.5	73.09	6.274	
15,500.0	11,911.0	15,116.4	11,736.0	35.7	38.2	67.70	-4,175.8	-782.9	458.5	384.2	74.30	6.172	
15,600.0	11,911.0	15,216.4	11,736.0	36.3	38.8	67.70	-4,275.8	-782.3	458.5	383.0	75.52	6.072	
15,700.0	11,911.0	15,316.4	11,736.0	37.0	39.3	67.70	-4,375.8	-781.6	458.5	381.8	76.75	5.975	
15,800.0	11,911.0	15,416.4	11,736.0	37.6	39.9	67.70	-4,475.8	-781.0	458.5	380.6	77.99	5.880	
15,900.0	11,911.0	15,516.4	11,736.0	38.3	40.5	67.70	-4,575.8	-780.3	458.5	379.3	79.24	5.787	
16,000.0	11,911.0	15,616.4	11,736.0	39.0	41.1	67.70	-4,675.8	-779.7	458.5	378.0	80.50	5.696	
16,100.0	11,911.0	15,716.4	11,736.0	39.6	41.8	67.70	-4,775.8	-779.0	458.5	376.8	81.77	5.608	
16,200.0	11,911.0	15,816.4	11,736.0	40.3	42.4	67.70	-4,875.8	-778.4	458.5	375.5	83.04	5.522	
16,300.0	11,911.0	15,916.4	11,736.0	41.0	43.0	67.70	-4,975.8	-777.7	458.5	374.2	84.33	5.438	
16,400.0	11,911.0	16,016.4	11,736.0	41.7	43.6	67.70	-5,075.8	-777.1	458.5	372.9	85.62	5.356	
16,500.0	11,911.0	16,116.4	11,736.0	42.4	44.3	67.70	-5,175.8	-776.4	458.5	371.6	86.92	5.276	
16,600.0	11,911.0	16,216.4	11,736.0	43.1	44.9	67.70	-5,275.8	-775.8	458.5	370.3	88.22	5.198	
16,700.0	11,911.0	16,316.4	11,736.0	43.8	45.5	67.70	-5,375.8	-775.1	458.5	369.0	89.54	5.121	
16,800.0	11,911.0	16,416.4	11,736.0	44.5	46.2	67.70	-5,475.8	-774.5	458.5	367.7	90.85	5.047	
16,900.0	11,911.0	16,516.4	11,736.0	45.2	46.8	67.70	-5,575.8	-773.8	458.6	366.4	92.18	4.975	
17,000.0	11,911.0	16,616.4	11,736.0	45.9	47.5	67.70	-5,675.8	-773.2	458.6	365.0	93.51	4.904	
17,100.0	11,911.0	16,716.4	11,736.0	46.6	48.2	67.70	-5,775.8	-772.5	458.6	363.7	94.84	4.835	
17,200.0	11,911.0	16,816.4	11,736.0	47.3	48.8	67.70	-5,875.8	-771.9	458.6	362.4	96.18	4.767	
17,300.0	11,911.0	16,916.4	11,736.0	48.0	49.5	67.70	-5,975.8	-771.2	458.6	361.0	97.53	4.702	
17,400.0	11,911.0	17,016.4	11,736.0	48.7	50.2	67.70	-6,075.8	-770.6	458.6	359.7	98.88	4.637	
17,500.0	11,911.0	17,116.4	11,736.0	49.4	50.8	67.70	-6,175.8	-769.9	458.6	358.3	100.24	4.575	
17,600.0	11,911.0	17,216.4	11,736.0	50.1	51.5	67.70	-6,275.8	-769.3	458.6	357.0	101.60	4.514	
17,700.0	11,911.0	17,316.4	11,736.0	50.8	52.2	67.70	-6,375.8	-768.6	458.6	355.6	102.96	4.454	
17,800.0	11,911.0	17,416.4	11,736.0	51.6	52.9	67.70	-6,475.8	-768.0	458.6	354.2	104.33	4.395	
17,900.0	11,911.0	17,516.4	11,736.0	52.3	53.6	67.70	-6,575.8	-767.3	458.6	352.9	105.70	4.338	
18,000.0	11,911.0	17,616.4	11,736.0	53.0	54.2	67.70	-6,675.8	-766.6	458.6	351.5	107.07	4.283	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
18,100.0	11,911.0	17,716.4	11,736.0	53.7	54.9	67.70	-6,775.8	-766.0	458.6	350.1	108.45	4.228	
18,200.0	11,911.0	17,816.4	11,736.0	54.4	55.6	67.70	-6,875.8	-765.3	458.6	348.7	109.84	4.175	
18,300.0	11,911.0	17,916.4	11,736.0	55.1	56.3	67.70	-6,975.8	-764.7	458.6	347.3	111.22	4.123	
18,400.0	11,911.0	18,016.4	11,736.0	55.9	57.0	67.70	-7,075.8	-764.0	458.6	345.9	112.61	4.072	
18,500.0	11,911.0	18,116.4	11,736.0	56.6	57.7	67.70	-7,175.8	-763.4	458.6	344.6	114.00	4.022	
18,600.0	11,911.0	18,216.4	11,736.0	57.3	58.4	67.70	-7,275.8	-762.7	458.6	343.2	115.40	3.974	
18,700.0	11,911.0	18,316.4	11,736.0	58.0	59.1	67.70	-7,375.8	-762.1	458.6	341.8	116.80	3.926	
18,800.0	11,911.0	18,416.4	11,736.0	58.8	59.8	67.70	-7,475.7	-761.4	458.6	340.4	118.20	3.880	
18,900.0	11,911.0	18,516.4	11,736.0	59.5	60.5	67.70	-7,575.7	-760.8	458.6	339.0	119.60	3.834	
19,000.0	11,911.0	18,616.4	11,736.0	60.2	61.2	67.70	-7,675.7	-760.1	458.6	337.6	121.01	3.790	
19,100.0	11,911.0	18,716.4	11,736.0	61.0	61.9	67.70	-7,775.7	-759.5	458.6	336.1	122.42	3.746	
19,200.0	11,911.0	18,816.4	11,736.0	61.7	62.6	67.70	-7,875.7	-758.8	458.6	334.7	123.83	3.703	
19,300.0	11,911.0	18,916.4	11,736.0	62.4	63.3	67.70	-7,975.7	-758.2	458.6	333.3	125.24	3.661	
19,400.0	11,911.0	19,016.4	11,736.0	63.2	64.1	67.70	-8,075.7	-757.5	458.6	331.9	126.66	3.621	
19,500.0	11,911.0	19,116.4	11,736.0	63.9	64.8	67.70	-8,175.7	-756.9	458.6	330.5	128.07	3.580	
19,600.0	11,911.0	19,216.4	11,736.0	64.6	65.5	67.70	-8,275.7	-756.2	458.6	329.1	129.49	3.541	
19,700.0	11,911.0	19,316.4	11,736.0	65.4	66.2	67.70	-8,375.7	-755.6	458.6	327.6	130.92	3.503	
19,800.0	11,911.0	19,416.4	11,736.0	66.1	66.9	67.70	-8,475.7	-754.9	458.6	326.2	132.34	3.465	
19,900.0	11,911.0	19,516.4	11,736.0	66.8	67.6	67.70	-8,575.7	-754.3	458.6	324.8	133.77	3.428	
20,000.0	11,911.0	19,616.4	11,736.0	67.6	68.3	67.70	-8,675.7	-753.6	458.6	323.4	135.19	3.392	
20,100.0	11,911.0	19,716.4	11,736.0	68.3	69.1	67.70	-8,775.7	-753.0	458.6	321.9	136.62	3.356	
20,200.0	11,911.0	19,816.4	11,736.0	69.0	69.8	67.70	-8,875.7	-752.3	458.6	320.5	138.06	3.322	
20,300.0	11,911.0	19,916.4	11,736.0	69.8	70.5	67.70	-8,975.7	-751.7	458.6	319.1	139.49	3.287	
20,400.0	11,911.0	20,016.4	11,736.0	70.5	71.2	67.70	-9,075.7	-751.0	458.6	317.6	140.92	3.254	
20,500.0	11,911.0	20,116.4	11,736.0	71.3	71.9	67.70	-9,175.7	-750.4	458.6	316.2	142.36	3.221	
20,600.0	11,911.0	20,216.4	11,736.0	72.0	72.7	67.70	-9,275.7	-749.7	458.6	314.8	143.80	3.189	
20,700.0	11,911.0	20,316.4	11,736.0	72.7	73.4	67.70	-9,375.7	-749.1	458.6	313.3	145.24	3.157	
20,800.0	11,911.0	20,416.4	11,736.0	73.5	74.1	67.70	-9,475.7	-748.4	458.6	311.9	146.68	3.126	
20,900.0	11,911.0	20,516.4	11,736.0	74.2	74.8	67.70	-9,575.7	-747.8	458.6	310.4	148.12	3.096	
21,000.0	11,911.0	20,616.4	11,736.0	75.0	75.6	67.70	-9,675.7	-747.1	458.6	309.0	149.56	3.066	
21,100.0	11,911.0	20,716.4	11,736.0	75.7	76.3	67.70	-9,775.7	-746.5	458.6	307.6	151.01	3.037	
21,200.0	11,911.0	20,816.4	11,736.0	76.5	77.0	67.70	-9,875.7	-745.8	458.6	306.1	152.45	3.008	
21,300.0	11,911.0	20,916.4	11,736.0	77.2	77.8	67.70	-9,975.7	-745.2	458.6	304.7	153.90	2.980	
21,359.6	11,911.0	20,976.0	11,736.0	77.6	78.2	67.70	-10,035.3	-744.8	458.6	303.8	154.76	2.963	
21,400.0	11,911.0	21,016.4	11,736.0	77.9	78.5	67.70	-10,075.7	-744.5	458.6	303.2	155.35	2.952	
21,400.7	11,911.0	21,017.1	11,736.0	77.9	78.5	67.70	-10,076.4	-744.5	458.6	303.2	155.36	2.952	
21,409.6	11,911.0	21,026.0	11,736.0	78.0	78.5	67.70	-10,085.2	-744.5	458.6	303.1	155.48	2.949 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	1.0	1.0	3.0	3.0	123.95	-16.8	25.0	30.2	23.2	6.98	4.322	
100.0	100.0	101.0	101.0	3.1	3.1	123.95	-16.8	25.0	30.2	22.9	7.23	4.175	
200.0	200.0	201.0	201.0	3.2	3.3	123.95	-16.8	25.0	30.2	22.7	7.46	4.042	
300.0	300.0	301.0	301.0	3.4	3.4	123.95	-16.8	25.0	30.2	22.5	7.70	3.920	
400.0	400.0	401.0	401.0	3.5	3.5	123.95	-16.8	25.0	30.2	22.3	7.92	3.809	
500.0	500.0	501.0	501.0	3.6	3.6	123.95	-16.8	25.0	30.2	22.0	8.14	3.705	
600.0	600.0	601.0	601.0	3.7	3.7	123.95	-16.8	25.0	30.2	21.8	8.36	3.609	
700.0	700.0	701.0	701.0	3.9	3.9	123.95	-16.8	25.0	30.2	21.6	8.57	3.520	
800.0	800.0	801.0	801.0	4.0	4.0	123.95	-16.8	25.0	30.2	21.4	8.78	3.437	
900.0	900.0	901.0	901.0	4.1	4.1	123.95	-16.8	25.0	30.2	21.2	8.98	3.358	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.95	-16.8	25.0	30.2	21.0	9.19	3.285	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.95	-16.8	25.0	30.2	20.8	9.38	3.215	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.95	-16.8	25.0	30.2	20.6	9.58	3.150	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.95	-16.8	25.0	30.2	20.4	9.77	3.087	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.95	-16.8	25.0	30.2	20.2	9.96	3.028	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.95	-16.8	25.0	30.2	20.2	10.02	3.011 CC, ES	
1,600.0	1,600.0	1,601.0	1,601.0	5.0	5.0	-101.30	-16.8	25.0	30.5	20.4	10.05	3.033	
1,700.0	1,699.8	1,700.8	1,700.8	5.2	5.1	-110.51	-16.8	25.0	31.9	21.6	10.30	3.099	
1,800.0	1,799.5	1,800.5	1,800.5	5.5	5.3	-123.55	-16.8	25.0	35.9	25.3	10.61	3.383	
1,900.0	1,898.7	1,899.7	1,899.7	5.8	5.4	-136.78	-16.8	25.0	43.9	32.8	11.07	3.960	
2,000.0	1,997.5	1,998.5	1,998.5	6.1	5.6	-147.57	-16.8	25.0	56.3	44.7	11.63	4.842	
2,100.0	2,095.9	2,096.9	2,096.9	6.3	5.7	-155.02	-16.8	25.0	71.6	59.5	12.14	5.903	
2,200.0	2,194.4	2,195.4	2,195.4	6.6	5.8	-159.81	-16.8	25.0	87.7	75.1	12.62	6.950	
2,300.0	2,292.9	2,293.9	2,293.9	6.9	6.0	-163.10	-16.8	25.0	104.2	91.1	13.11	7.952	
2,400.0	2,391.4	2,392.4	2,392.4	7.2	6.1	-165.49	-16.8	25.0	121.0	107.4	13.59	8.897	
2,500.0	2,489.9	2,490.9	2,490.9	7.5	6.2	-167.30	-16.8	25.0	137.8	123.8	14.09	9.784	
2,600.0	2,588.3	2,589.3	2,589.3	7.9	6.3	-168.71	-16.8	25.0	154.8	140.3	14.59	10.611	
2,700.0	2,686.8	2,687.8	2,687.8	8.2	6.5	-169.84	-16.8	25.0	171.9	156.8	15.10	11.382	
2,800.0	2,785.3	2,786.3	2,786.3	8.6	6.6	-170.77	-16.8	25.0	189.0	173.4	15.62	12.099	
2,900.0	2,883.8	2,884.8	2,884.8	9.0	6.7	-171.54	-16.8	25.0	206.2	190.1	16.15	12.766	
3,000.0	2,982.3	2,983.3	2,983.3	9.3	6.8	-172.20	-16.8	25.0	223.4	206.7	16.69	13.387	
3,100.0	3,080.8	3,081.8	3,081.8	9.7	6.9	-172.76	-16.8	25.0	240.6	223.4	17.23	13.964	
3,200.0	3,179.2	3,180.2	3,180.2	10.1	7.1	-173.25	-16.8	25.0	257.9	240.1	17.78	14.502	
3,300.0	3,277.7	3,278.7	3,278.7	10.5	7.2	-173.67	-16.8	25.0	275.1	256.8	18.34	15.003	
3,400.0	3,376.2	3,377.2	3,377.2	10.9	7.3	-174.05	-16.8	25.0	292.4	273.5	18.90	15.471	
3,500.0	3,474.7	3,475.7	3,475.7	11.3	7.4	-174.38	-16.8	25.0	309.7	290.2	19.47	15.909	
3,600.0	3,573.2	3,574.2	3,574.2	11.7	7.5	-174.68	-16.8	25.0	327.0	306.9	20.04	16.318	
3,700.0	3,671.6	3,672.6	3,672.6	12.1	7.6	-174.94	-16.8	25.0	344.2	323.6	20.61	16.701	
3,800.0	3,770.1	3,771.1	3,771.1	12.6	7.7	-175.19	-16.8	25.0	361.6	340.4	21.19	17.061	
3,900.0	3,868.6	3,869.6	3,869.6	13.0	7.9	-175.41	-16.8	25.0	378.9	357.1	21.78	17.399	
4,000.0	3,967.1	3,968.1	3,968.1	13.4	8.0	-175.61	-16.8	25.0	396.2	373.8	22.36	17.716	
4,100.0	4,065.6	4,066.6	4,066.6	13.8	8.1	-175.79	-16.8	25.0	413.5	390.5	22.95	18.015	
4,200.0	4,164.0	4,165.0	4,165.0	14.2	8.2	-175.96	-16.8	25.0	430.8	407.3	23.55	18.297	
4,300.0	4,262.5	4,263.5	4,263.5	14.7	8.3	-176.12	-16.8	25.0	448.1	424.0	24.14	18.563	
4,400.0	4,361.0	4,362.0	4,362.0	15.1	8.4	-176.26	-16.8	25.0	465.5	440.7	24.74	18.814	
4,500.0	4,459.5	4,460.5	4,460.5	15.5	8.5	-176.40	-16.8	25.0	482.8	457.5	25.34	19.052	
4,545.2	4,504.0	4,505.0	4,505.0	15.7	8.6	-176.46	-16.8	25.0	490.6	465.0	25.60	19.166	
4,600.0	4,558.0	4,559.0	4,559.0	15.9	8.6	-176.53	-16.8	25.0	499.9	474.0	25.91	19.292	
4,700.0	4,656.8	4,657.8	4,657.8	16.4	8.7	-176.64	-16.8	25.0	515.4	488.9	26.50	19.446	
4,800.0	4,755.8	4,756.8	4,756.8	16.8	8.8	-176.74	-16.8	25.0	529.2	502.1	27.09	19.537	
4,900.0	4,855.1	4,856.1	4,856.1	17.2	8.9	-176.82	-16.8	25.0	541.3	513.6	27.66	19.571	
5,000.0	4,954.6	4,955.6	4,955.6	17.6	9.0	-176.88	-16.8	25.0	551.7	523.4	28.21	19.554	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,054.2	5,055.2	5,055.2	17.9	9.1	-176.93	-16.8	25.0	560.3	531.5	28.75	19.488	
5,200.0	5,153.9	5,154.9	5,154.9	18.3	9.3	-176.97	-16.8	25.0	567.2	537.9	29.26	19.380	
5,300.0	5,253.8	5,254.8	5,254.8	18.6	9.4	-177.00	-16.8	25.0	572.3	542.5	29.75	19.236	
5,400.0	5,353.7	5,354.7	5,354.7	18.9	9.5	-177.02	-16.8	25.0	575.7	545.5	30.20	19.061	
5,500.0	5,453.7	5,454.7	5,454.7	19.2	9.6	-177.03	-16.8	25.0	577.4	546.8	30.59	18.872	
5,545.2	5,498.9	5,499.9	5,499.9	19.3	9.6	44.97	-16.8	25.0	577.5	546.9	30.68	18.823	
5,600.0	5,553.7	5,554.7	5,554.7	19.3	9.7	44.97	-16.8	25.0	577.5	546.8	30.72	18.798	
5,700.0	5,653.7	5,654.7	5,654.7	19.3	9.8	44.97	-16.8	25.0	577.5	546.7	30.82	18.737	
5,800.0	5,753.7	5,754.7	5,754.7	19.3	9.9	44.97	-16.8	25.0	577.5	546.6	30.92	18.676	
5,900.0	5,853.7	5,854.7	5,854.7	19.3	10.0	44.97	-16.8	25.0	577.5	546.5	31.02	18.616	
6,000.0	5,953.7	5,954.7	5,954.7	19.4	10.1	44.97	-16.8	25.0	577.5	546.4	31.13	18.555	
6,100.0	6,053.7	6,054.7	6,054.7	19.4	10.2	44.97	-16.8	25.0	577.5	546.3	31.23	18.494	
6,200.0	6,153.7	6,154.7	6,154.7	19.4	10.3	44.97	-16.8	25.0	577.5	546.2	31.33	18.434	
6,300.0	6,253.7	6,254.7	6,254.7	19.5	10.4	44.97	-16.8	25.0	577.5	546.1	31.43	18.373	
6,400.0	6,353.7	6,354.7	6,354.7	19.5	10.5	44.97	-16.8	25.0	577.5	546.0	31.54	18.313	
6,500.0	6,453.7	6,454.7	6,454.7	19.5	10.6	44.97	-16.8	25.0	577.5	545.9	31.64	18.252	
6,600.0	6,553.7	6,554.7	6,554.7	19.6	10.7	44.97	-16.8	25.0	577.5	545.8	31.75	18.192	
6,700.0	6,653.7	6,654.7	6,654.7	19.6	10.8	44.97	-16.8	25.0	577.5	545.7	31.85	18.132	
6,800.0	6,753.7	6,754.7	6,754.7	19.6	10.9	44.97	-16.8	25.0	577.5	545.6	31.96	18.072	
6,900.0	6,853.7	6,854.7	6,854.7	19.7	11.0	44.97	-16.8	25.0	577.5	545.5	32.06	18.013	
7,000.0	6,953.7	6,954.7	6,954.7	19.7	11.1	44.97	-16.8	25.0	577.5	545.4	32.17	17.953	
7,100.0	7,053.7	7,054.7	7,054.7	19.7	11.2	44.97	-16.8	25.0	577.5	545.3	32.28	17.894	
7,200.0	7,153.7	7,154.7	7,154.7	19.7	11.3	44.97	-16.8	25.0	577.5	545.2	32.38	17.834	
7,300.0	7,253.7	7,254.7	7,254.7	19.8	11.4	44.97	-16.8	25.0	577.5	545.0	32.49	17.775	
7,400.0	7,353.7	7,354.7	7,354.7	19.8	11.5	44.97	-16.8	25.0	577.5	544.9	32.60	17.716	
7,500.0	7,453.7	7,454.7	7,454.7	19.8	11.6	44.97	-16.8	25.0	577.5	544.8	32.71	17.657	
7,600.0	7,553.7	7,554.7	7,554.7	19.9	11.7	44.97	-16.8	25.0	577.5	544.7	32.82	17.598	
7,700.0	7,653.7	7,654.7	7,654.7	19.9	11.8	44.97	-16.8	25.0	577.5	544.6	32.93	17.540	
7,800.0	7,753.7	7,754.7	7,754.7	20.0	11.9	44.97	-16.8	25.0	577.5	544.5	33.04	17.481	
7,900.0	7,853.7	7,854.7	7,854.7	20.0	12.0	44.97	-16.8	25.0	577.5	544.4	33.15	17.423	
8,000.0	7,953.7	7,954.7	7,954.7	20.0	12.1	44.97	-16.8	25.0	577.5	544.3	33.26	17.365	
8,100.0	8,053.7	8,054.7	8,054.7	20.1	12.1	44.97	-16.8	25.0	577.5	544.2	33.37	17.307	
8,200.0	8,153.7	8,154.7	8,154.7	20.1	12.2	44.97	-16.8	25.0	577.5	544.1	33.48	17.249	
8,300.0	8,253.7	8,254.7	8,254.7	20.1	12.3	44.97	-16.8	25.0	577.5	543.9	33.59	17.192	
8,400.0	8,353.7	8,354.7	8,354.7	20.2	12.4	44.97	-16.8	25.0	577.5	543.8	33.71	17.134	
8,500.0	8,453.7	8,454.7	8,454.7	20.2	12.5	44.97	-16.8	25.0	577.5	543.7	33.82	17.077	
8,600.0	8,553.7	8,554.7	8,554.7	20.2	12.6	44.97	-16.8	25.0	577.5	543.6	33.93	17.020	
8,700.0	8,653.7	8,654.7	8,654.7	20.3	12.7	44.97	-16.8	25.0	577.5	543.5	34.05	16.963	
8,800.0	8,753.7	8,754.7	8,754.7	20.3	12.8	44.97	-16.8	25.0	577.5	543.4	34.16	16.907	
8,900.0	8,853.7	8,854.7	8,854.7	20.3	12.9	44.97	-16.8	25.0	577.5	543.3	34.28	16.850	
9,000.0	8,953.7	8,954.7	8,954.7	20.4	13.0	44.97	-16.8	25.0	577.5	543.1	34.39	16.794	
9,100.0	9,053.7	9,054.7	9,054.7	20.4	13.1	44.97	-16.8	25.0	577.5	543.0	34.51	16.738	
9,200.0	9,153.7	9,154.7	9,154.7	20.5	13.2	44.97	-16.8	25.0	577.5	542.9	34.62	16.682	
9,300.0	9,253.7	9,254.7	9,254.7	20.5	13.3	44.97	-16.8	25.0	577.5	542.8	34.74	16.626	
9,400.0	9,353.7	9,354.7	9,354.7	20.5	13.4	44.97	-16.8	25.0	577.5	542.7	34.85	16.571	
9,500.0	9,453.7	9,454.7	9,454.7	20.6	13.5	44.97	-16.8	25.0	577.5	542.6	34.97	16.515	
9,600.0	9,553.7	9,554.7	9,554.7	20.6	13.6	44.97	-16.8	25.0	577.5	542.5	35.09	16.460	
9,700.0	9,653.7	9,654.7	9,654.7	20.7	13.7	44.97	-16.8	25.0	577.5	542.3	35.20	16.405	
9,800.0	9,753.7	9,754.7	9,754.7	20.7	13.8	44.97	-16.8	25.0	577.5	542.2	35.32	16.351	
9,900.0	9,853.7	9,854.7	9,854.7	20.7	13.8	44.97	-16.8	25.0	577.5	542.1	35.44	16.296	
10,000.0	9,953.7	9,954.7	9,954.7	20.8	13.9	44.97	-16.8	25.0	577.5	542.0	35.56	16.242	
10,100.0	10,053.7	10,054.7	10,054.7	20.8	14.0	44.97	-16.8	25.0	577.5	541.9	35.68	16.188	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 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	
10,200.0	10,153.7	10,154.7	10,154.7	20.9	14.1	44.97	-16.8	25.0	577.5	541.7	35.80	16.134	
10,300.0	10,253.7	10,254.7	10,254.7	20.9	14.2	44.97	-16.8	25.0	577.5	541.6	35.92	16.080	
10,400.0	10,353.7	10,354.7	10,354.7	20.9	14.3	44.97	-16.8	25.0	577.5	541.5	36.04	16.027	
10,500.0	10,453.7	10,454.7	10,454.7	21.0	14.4	44.97	-16.8	25.0	577.5	541.4	36.16	15.973	
10,600.0	10,553.7	10,554.7	10,554.7	21.0	14.5	44.97	-16.8	25.0	577.5	541.3	36.28	15.920	
10,700.0	10,653.7	10,654.7	10,654.7	21.1	14.6	44.97	-16.8	25.0	577.5	541.1	36.40	15.868	
10,800.0	10,753.7	10,754.7	10,754.7	21.1	14.7	44.97	-16.8	25.0	577.5	541.0	36.52	15.815	
10,900.0	10,853.7	10,854.7	10,854.7	21.1	14.8	44.97	-16.8	25.0	577.5	540.9	36.64	15.763	
11,000.0	10,953.7	10,954.7	10,954.7	21.2	14.9	44.97	-16.8	25.0	577.5	540.8	36.76	15.710	
11,100.0	11,053.7	11,054.7	11,054.7	21.2	15.0	44.97	-16.8	25.0	577.5	540.7	36.88	15.658	
11,200.0	11,153.7	11,154.7	11,154.7	21.3	15.0	44.97	-16.8	25.0	577.5	540.5	37.01	15.607	
11,300.0	11,253.7	11,254.7	11,254.7	21.3	15.1	44.97	-16.8	25.0	577.5	540.4	37.12	15.560	
11,400.0	11,353.7	11,669.4	11,620.9	21.4	15.5	59.52	-182.1	30.4	548.6	508.6	40.04	13.701	
11,479.8	11,433.5	11,799.8	11,691.7	21.4	15.6	72.14	-291.1	33.9	508.0	468.1	39.91	12.729	
11,500.0	11,453.7	11,820.1	11,699.9	21.4	15.6	-106.49	-309.6	34.5	498.0	458.6	39.44	12.628	
11,525.0	11,478.7	11,842.9	11,708.2	21.4	15.7	-105.37	-330.9	35.2	486.4	447.4	38.94	12.489	
11,550.0	11,503.5	11,864.0	11,715.0	21.4	15.7	-104.32	-350.8	35.8	475.5	437.2	38.39	12.388	
11,575.0	11,528.1	11,883.6	11,720.5	21.4	15.7	-103.29	-369.7	36.4	465.7	427.9	37.79	12.321	
11,600.0	11,552.5	11,902.2	11,725.0	21.4	15.7	-102.24	-387.7	37.0	456.8	419.6	37.18	12.286	
11,625.0	11,576.5	11,920.0	11,728.6	21.4	15.7	-101.15	-405.1	37.6	448.9	412.3	36.55	12.279	
11,650.0	11,600.1	11,937.1	11,731.5	21.4	15.7	-100.01	-422.0	38.1	442.0	406.1	35.95	12.295	
11,675.0	11,623.3	11,953.7	11,733.7	21.4	15.7	-98.80	-438.3	38.6	436.3	400.9	35.39	12.328	
11,700.0	11,646.0	11,969.7	11,735.3	21.5	15.7	-97.51	-454.3	39.2	431.6	396.7	34.89	12.372	
11,725.0	11,668.1	11,985.5	11,736.4	21.5	15.7	-96.15	-470.0	39.7	428.0	393.6	34.46	12.420	
11,750.0	11,689.5	12,000.9	11,736.9	21.5	15.7	-94.70	-485.4	40.2	425.6	391.4	34.14	12.465	
11,775.0	11,710.3	12,016.7	11,737.0	21.5	15.7	-93.10	-501.3	40.7	424.2	390.2	33.92	12.506	
11,800.0	11,730.2	12,034.3	11,737.0	21.5	15.8	-91.25	-518.9	41.1	423.7	389.9	33.78	12.543	
11,800.0	11,730.3	12,034.3	11,737.0	21.5	15.8	-91.25	-518.9	41.1	423.7	389.9	33.78	12.543	
11,825.0	11,749.4	12,053.2	11,737.0	21.5	15.8	-89.25	-537.7	41.5	424.1	390.4	33.74	12.572	
11,850.0	11,767.7	12,073.1	11,737.0	21.5	15.8	-87.15	-557.7	41.8	425.2	391.4	33.77	12.591	
11,875.0	11,785.1	12,092.6	11,737.0	21.5	15.8	-85.12	-577.1	41.9	426.9	393.0	33.90	12.592	
11,900.0	11,801.6	12,111.5	11,737.0	21.6	15.8	-83.20	-596.0	42.1	429.1	395.0	34.11	12.578	
11,925.0	11,817.0	12,131.1	11,737.0	21.6	15.8	-81.28	-615.7	42.2	431.7	397.3	34.37	12.559	
11,950.0	11,831.3	12,151.6	11,737.0	21.6	15.9	-79.39	-636.1	42.3	434.6	400.0	34.66	12.538	
11,975.0	11,844.6	12,172.8	11,737.0	21.6	15.9	-77.56	-657.3	42.5	437.7	402.8	34.97	12.517	
12,000.0	11,856.8	12,194.6	11,737.0	21.6	16.0	-75.83	-679.1	42.6	440.9	405.6	35.29	12.495	
12,025.0	11,867.7	12,217.1	11,737.0	21.7	16.0	-74.22	-701.6	42.7	444.0	408.4	35.60	12.471	
12,050.0	11,877.5	12,240.1	11,737.0	21.7	16.1	-72.76	-724.6	42.9	447.0	411.1	35.91	12.448	
12,075.0	11,886.1	12,263.6	11,737.0	21.7	16.2	-71.45	-748.1	43.0	449.8	413.6	36.21	12.424	
12,100.0	11,893.5	12,287.5	11,737.0	21.7	16.2	-70.32	-772.0	43.2	452.3	415.9	36.48	12.399	
12,125.0	11,899.5	12,311.7	11,737.0	21.7	16.3	-69.37	-796.2	43.4	454.5	417.8	36.73	12.372	
12,150.0	11,904.3	12,336.2	11,737.0	21.8	16.4	-68.62	-820.7	43.5	456.2	419.3	36.96	12.343	
12,175.0	11,907.9	12,361.0	11,737.0	21.8	16.5	-68.07	-845.5	43.7	457.5	420.4	37.17	12.311	
12,200.0	11,910.1	12,385.9	11,737.0	21.8	16.5	-67.72	-870.4	43.8	458.4	421.0	37.34	12.276	
12,225.0	11,911.0	12,410.9	11,737.0	21.8	16.6	-67.58	-895.4	44.0	458.7	421.2	37.48	12.238	
12,229.8	11,911.0	12,415.7	11,737.0	21.8	16.6	-67.57	-900.2	44.0	458.7	421.2	37.51	12.230	
12,300.0	11,911.0	12,485.9	11,737.0	21.9	16.9	-67.57	-970.4	44.5	458.7	420.9	37.88	12.111	
12,400.0	11,911.0	12,585.9	11,737.0	22.0	17.2	-67.57	-1,070.4	45.1	458.7	420.3	38.46	11.928	
12,500.0	11,911.0	12,685.9	11,737.0	22.1	17.6	-67.57	-1,170.4	45.8	458.7	419.6	39.09	11.735	
12,600.0	11,911.0	12,785.9	11,737.0	22.2	18.1	-67.57	-1,270.4	46.4	458.7	419.0	39.77	11.535	
12,700.0	11,911.0	12,885.9	11,737.0	22.4	18.5	-67.57	-1,370.4	47.1	458.7	418.2	40.49	11.328	
12,800.0	11,911.0	12,985.9	11,737.0	22.5	18.9	-67.57	-1,470.4	47.8	458.7	417.5	41.26	11.117	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 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)			
12,900.0	11,911.0	13,085.9	11,737.0	22.8	19.4	-67.57	-1,570.4	48.4	458.7	416.7	42.07	10.904	
13,000.0	11,911.0	13,185.9	11,737.0	23.0	19.9	-67.57	-1,670.3	49.1	458.7	415.8	42.92	10.688	
13,100.0	11,911.0	13,285.9	11,737.0	23.2	20.4	-67.57	-1,770.3	49.7	458.7	414.9	43.80	10.472	
13,200.0	11,911.0	13,385.9	11,737.0	23.5	21.0	-67.57	-1,870.3	50.4	458.7	414.0	44.72	10.257	
13,300.0	11,911.0	13,485.9	11,737.0	23.8	21.5	-67.57	-1,970.3	51.0	458.7	413.1	45.67	10.044	
13,400.0	11,911.0	13,585.9	11,737.0	24.2	22.1	-67.57	-2,070.3	51.7	458.7	412.1	46.65	9.833	
13,500.0	11,911.0	13,685.9	11,737.0	24.6	22.6	-67.57	-2,170.3	52.3	458.7	411.1	47.66	9.625	
13,600.0	11,911.0	13,785.9	11,737.0	25.0	23.2	-67.57	-2,270.3	53.0	458.7	410.0	48.70	9.420	
13,700.0	11,911.0	13,885.9	11,737.0	25.4	23.8	-67.57	-2,370.3	53.6	458.7	409.0	49.76	9.219	
13,800.0	11,911.0	13,985.9	11,737.0	25.8	24.4	-67.57	-2,470.3	54.3	458.7	407.9	50.84	9.023	
13,900.0	11,911.0	14,085.9	11,737.0	26.3	25.0	-67.57	-2,570.3	54.9	458.7	406.8	51.94	8.831	
14,000.0	11,911.0	14,185.9	11,737.0	26.8	25.6	-67.57	-2,670.3	55.6	458.7	405.7	53.07	8.644	
14,100.0	11,911.0	14,285.9	11,737.0	27.3	26.2	-67.57	-2,770.3	56.2	458.7	404.5	54.21	8.461	
14,200.0	11,911.0	14,385.9	11,737.0	27.8	26.9	-67.57	-2,870.3	56.9	458.7	403.3	55.38	8.284	
14,300.0	11,911.0	14,485.9	11,737.0	28.4	27.5	-67.57	-2,970.3	57.5	458.7	402.2	56.55	8.111	
14,400.0	11,911.0	14,585.9	11,737.0	28.9	28.1	-67.57	-3,070.3	58.2	458.7	401.0	57.75	7.943	
14,500.0	11,911.0	14,685.9	11,737.0	29.5	28.8	-67.57	-3,170.3	58.8	458.7	399.8	58.96	7.780	
14,600.0	11,911.0	14,785.9	11,737.0	30.1	29.4	-67.57	-3,270.3	59.5	458.7	398.5	60.18	7.622	
14,700.0	11,911.0	14,885.9	11,737.0	30.6	30.1	-67.57	-3,370.3	60.1	458.7	397.3	61.42	7.469	
14,800.0	11,911.0	14,985.9	11,737.0	31.2	30.8	-67.57	-3,470.3	60.8	458.7	396.1	62.67	7.320	
14,900.0	11,911.0	15,085.9	11,737.0	31.8	31.4	-67.57	-3,570.3	61.4	458.7	394.8	63.93	7.176	
15,000.0	11,911.0	15,185.9	11,737.0	32.5	32.1	-67.57	-3,670.3	62.1	458.7	393.5	65.20	7.036	
15,100.0	11,911.0	15,285.9	11,737.0	33.1	32.8	-67.57	-3,770.3	62.7	458.7	392.2	66.48	6.900	
15,200.0	11,911.0	15,385.9	11,737.0	33.7	33.5	-67.57	-3,870.3	63.4	458.7	390.9	67.77	6.769	
15,300.0	11,911.0	15,485.9	11,737.0	34.4	34.2	-67.57	-3,970.3	64.0	458.7	389.6	69.07	6.641	
15,400.0	11,911.0	15,585.9	11,737.0	35.0	34.8	-67.57	-4,070.3	64.7	458.7	388.3	70.38	6.518	
15,500.0	11,911.0	15,685.9	11,737.0	35.7	35.5	-67.57	-4,170.3	65.3	458.7	387.0	71.69	6.398	
15,600.0	11,911.0	15,785.9	11,737.0	36.3	36.2	-67.57	-4,270.3	66.0	458.7	385.7	73.02	6.282	
15,700.0	11,911.0	15,885.9	11,737.0	37.0	36.9	-67.57	-4,370.3	66.6	458.7	384.4	74.35	6.170	
15,800.0	11,911.0	15,985.9	11,737.0	37.6	37.6	-67.57	-4,470.3	67.3	458.7	383.0	75.69	6.061	
15,900.0	11,911.0	16,085.9	11,737.0	38.3	38.3	-67.57	-4,570.3	67.9	458.7	381.7	77.03	5.955	
16,000.0	11,911.0	16,185.9	11,737.0	39.0	39.0	-67.57	-4,670.3	68.6	458.7	380.3	78.39	5.852	
16,100.0	11,911.0	16,285.9	11,737.0	39.6	39.7	-67.57	-4,770.3	69.2	458.7	379.0	79.74	5.752	
16,200.0	11,911.0	16,385.9	11,737.0	40.3	40.4	-67.57	-4,870.3	69.9	458.7	377.6	81.11	5.656	
16,300.0	11,911.0	16,485.9	11,737.0	41.0	41.2	-67.57	-4,970.3	70.5	458.7	376.2	82.47	5.562	
16,400.0	11,911.0	16,585.9	11,737.0	41.7	41.9	-67.57	-5,070.3	71.2	458.7	374.9	83.85	5.471	
16,500.0	11,911.0	16,685.9	11,737.0	42.4	42.6	-67.57	-5,170.3	71.8	458.7	373.5	85.22	5.382	
16,600.0	11,911.0	16,785.9	11,737.0	43.1	43.3	-67.57	-5,270.3	72.5	458.7	372.1	86.61	5.297	
16,700.0	11,911.0	16,885.9	11,737.0	43.8	44.0	-67.57	-5,370.3	73.1	458.7	370.7	87.99	5.213	
16,800.0	11,911.0	16,985.9	11,737.0	44.5	44.7	-67.57	-5,470.3	73.8	458.7	369.3	89.38	5.132	
16,900.0	11,911.0	17,085.9	11,737.0	45.2	45.4	-67.57	-5,570.3	74.4	458.7	367.9	90.78	5.053	
17,000.0	11,911.0	17,185.9	11,737.0	45.9	46.2	-67.57	-5,670.3	75.1	458.7	366.5	92.18	4.976	
17,100.0	11,911.0	17,285.9	11,737.0	46.6	46.9	-67.57	-5,770.3	75.7	458.7	365.1	93.58	4.902	
17,200.0	11,911.0	17,385.9	11,737.0	47.3	47.6	-67.57	-5,870.3	76.4	458.7	363.7	94.98	4.829	
17,300.0	11,911.0	17,485.9	11,737.0	48.0	48.3	-67.57	-5,970.3	77.0	458.7	362.3	96.39	4.759	
17,400.0	11,911.0	17,585.9	11,737.0	48.7	49.1	-67.57	-6,070.3	77.7	458.7	360.9	97.81	4.690	
17,500.0	11,911.0	17,685.9	11,737.0	49.4	49.8	-67.57	-6,170.3	78.4	458.7	359.5	99.22	4.623	
17,600.0	11,911.0	17,785.9	11,737.0	50.1	50.5	-67.57	-6,270.3	79.0	458.7	358.1	100.64	4.558	
17,700.0	11,911.0	17,885.9	11,737.0	50.8	51.3	-67.57	-6,370.2	79.7	458.7	356.7	102.06	4.495	
17,800.0	11,911.0	17,985.9	11,737.0	51.6	52.0	-67.57	-6,470.2	80.3	458.7	355.2	103.48	4.433	
17,900.0	11,911.0	18,085.9	11,737.0	52.3	52.7	-67.57	-6,570.2	81.0	458.7	353.8	104.91	4.372	
18,000.0	11,911.0	18,185.9	11,737.0	53.0	53.4	-67.57	-6,670.2	81.6	458.7	352.4	106.34	4.314	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
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
18,100.0	11,911.0	18,285.9	11,737.0	53.7	54.2	-67.57	-6,770.2	82.3	458.7	350.9	107.77	4.256	
18,200.0	11,911.0	18,385.9	11,737.0	54.4	54.9	-67.57	-6,870.2	82.9	458.7	349.5	109.20	4.201	
18,300.0	11,911.0	18,485.9	11,737.0	55.1	55.7	-67.57	-6,970.2	83.6	458.7	348.1	110.63	4.146	
18,400.0	11,911.0	18,585.9	11,737.0	55.9	56.4	-67.57	-7,070.2	84.2	458.7	346.6	112.07	4.093	
18,500.0	11,911.0	18,685.9	11,737.0	56.6	57.1	-67.57	-7,170.2	84.9	458.7	345.2	113.51	4.041	
18,600.0	11,911.0	18,785.9	11,737.0	57.3	57.9	-67.57	-7,270.2	85.5	458.7	343.8	114.95	3.990	
18,700.0	11,911.0	18,885.9	11,737.0	58.0	58.6	-67.57	-7,370.2	86.2	458.7	342.3	116.39	3.941	
18,800.0	11,911.0	18,985.9	11,737.0	58.8	59.3	-67.57	-7,470.2	86.8	458.7	340.9	117.84	3.893	
18,900.0	11,911.0	19,085.9	11,737.0	59.5	60.1	-67.57	-7,570.2	87.5	458.7	339.4	119.28	3.845	
19,000.0	11,911.0	19,185.9	11,737.0	60.2	60.8	-67.57	-7,670.2	88.1	458.7	338.0	120.73	3.799	
19,100.0	11,911.0	19,285.9	11,737.0	61.0	61.6	-67.57	-7,770.2	88.8	458.7	336.5	122.18	3.754	
19,200.0	11,911.0	19,385.9	11,737.0	61.7	62.3	-67.57	-7,870.2	89.4	458.7	335.1	123.63	3.710	
19,300.0	11,911.0	19,485.9	11,737.0	62.4	63.0	-67.57	-7,970.2	90.1	458.7	333.6	125.09	3.667	
19,400.0	11,911.0	19,585.9	11,737.0	63.2	63.8	-67.57	-8,070.2	90.7	458.7	332.2	126.54	3.625	
19,500.0	11,911.0	19,685.9	11,737.0	63.9	64.5	-67.57	-8,170.2	91.4	458.7	330.7	128.00	3.584	
19,600.0	11,911.0	19,785.9	11,737.0	64.6	65.3	-67.57	-8,270.2	92.0	458.7	329.2	129.45	3.543	
19,700.0	11,911.0	19,885.9	11,737.0	65.4	66.0	-67.57	-8,370.2	92.7	458.7	327.8	130.91	3.504	
19,800.0	11,911.0	19,985.9	11,737.0	66.1	66.8	-67.57	-8,470.2	93.3	458.7	326.3	132.37	3.465	
19,900.0	11,911.0	20,085.9	11,737.0	66.8	67.5	-67.57	-8,570.2	94.0	458.7	324.9	133.83	3.427	
20,000.0	11,911.0	20,185.9	11,737.0	67.6	68.2	-67.57	-8,670.2	94.6	458.7	323.4	135.29	3.390	
20,100.0	11,911.0	20,285.9	11,737.0	68.3	69.0	-67.57	-8,770.2	95.3	458.7	321.9	136.75	3.354	
20,200.0	11,911.0	20,385.9	11,737.0	69.0	69.7	-67.57	-8,870.2	95.9	458.7	320.5	138.22	3.319	
20,300.0	11,911.0	20,485.9	11,737.0	69.8	70.5	-67.57	-8,970.2	96.6	458.7	319.0	139.68	3.284	
20,400.0	11,911.0	20,585.9	11,737.0	70.5	71.2	-67.57	-9,070.2	97.2	458.7	317.5	141.15	3.250	
20,500.0	11,911.0	20,685.9	11,737.0	71.3	72.0	-67.57	-9,170.2	97.9	458.7	316.1	142.62	3.216	
20,600.0	11,911.0	20,785.9	11,737.0	72.0	72.7	-67.57	-9,270.2	98.5	458.7	314.6	144.08	3.184	
20,700.0	11,911.0	20,885.9	11,737.0	72.7	73.5	-67.57	-9,370.2	99.2	458.7	313.1	145.55	3.151	
20,800.0	11,911.0	20,985.9	11,737.0	73.5	74.2	-67.57	-9,470.2	99.8	458.7	311.7	147.02	3.120	
20,900.0	11,911.0	21,085.9	11,737.0	74.2	75.0	-67.57	-9,570.2	100.5	458.7	310.2	148.49	3.089	
21,000.0	11,911.0	21,185.9	11,737.0	75.0	75.7	-67.57	-9,670.2	101.1	458.7	308.7	149.96	3.059	
21,100.0	11,911.0	21,285.9	11,737.0	75.7	76.5	-67.57	-9,770.2	101.8	458.7	307.3	151.44	3.029	
21,200.0	11,911.0	21,385.9	11,737.0	76.5	77.2	-67.57	-9,870.2	102.4	458.7	305.8	152.91	3.000	
21,300.0	11,911.0	21,485.9	11,737.0	77.2	78.0	-67.57	-9,970.2	103.1	458.7	304.3	154.38	2.971	
21,359.6	11,911.0	21,545.5	11,737.0	77.6	78.4	-67.57	-10,029.8	103.5	458.7	303.4	155.26	2.954	
21,400.0	11,911.0	21,585.9	11,737.0	77.9	78.7	-67.57	-10,070.2	103.7	458.7	302.8	155.85	2.943	
21,409.6	11,911.0	21,595.5	11,737.0	78.0	78.8	-67.57	-10,079.8	103.8	458.7	302.7	155.99	2.940 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	123.78	-33.5	50.1	60.3	53.3	6.98	8.633	
100.0	100.0	101.0	101.0	3.1	3.1	123.78	-33.5	50.1	60.3	53.0	7.23	8.339	
200.0	200.0	201.0	201.0	3.2	3.3	123.78	-33.5	50.1	60.3	52.8	7.46	8.073	
300.0	300.0	301.0	301.0	3.4	3.4	123.78	-33.5	50.1	60.3	52.6	7.70	7.830	
400.0	400.0	401.0	401.0	3.5	3.5	123.78	-33.5	50.1	60.3	52.3	7.92	7.607	
500.0	500.0	501.0	501.0	3.6	3.6	123.78	-33.5	50.1	60.3	52.1	8.14	7.401	
600.0	600.0	601.0	601.0	3.7	3.7	123.78	-33.5	50.1	60.3	51.9	8.36	7.209	
700.0	700.0	701.0	701.0	3.9	3.9	123.78	-33.5	50.1	60.3	51.7	8.57	7.031	
800.0	800.0	801.0	801.0	4.0	4.0	123.78	-33.5	50.1	60.3	51.5	8.78	6.864	
900.0	900.0	901.0	901.0	4.1	4.1	123.78	-33.5	50.1	60.3	51.3	8.98	6.708	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.78	-33.5	50.1	60.3	51.1	9.19	6.561	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.78	-33.5	50.1	60.3	50.9	9.38	6.422	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.78	-33.5	50.1	60.3	50.7	9.58	6.291	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.78	-33.5	50.1	60.3	50.5	9.77	6.167	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.78	-33.5	50.1	60.3	50.3	9.96	6.050	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.78	-33.5	50.1	60.3	50.2	10.09	5.975 CC, ES	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.78	-33.5	50.1	60.3	50.2	10.02	6.014	
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-100.83	-33.3	51.8	61.9	51.9	10.03	6.174	
1,700.0	1,699.8	1,697.0	1,696.9	5.2	5.1	-107.64	-32.7	56.8	67.5	57.1	10.37	6.505	
1,800.0	1,799.5	1,793.5	1,793.0	5.5	5.3	-116.51	-31.7	65.0	78.5	67.7	10.79	7.274	
1,900.0	1,898.7	1,888.2	1,887.0	5.8	5.6	-125.09	-30.3	76.2	96.1	84.8	11.30	8.509	
2,000.0	1,997.5	1,984.0	1,981.9	6.1	5.8	-132.29	-28.7	89.4	119.7	107.9	11.84	10.109	
2,100.0	2,095.9	2,079.7	2,076.6	6.3	6.0	-137.85	-27.1	102.6	145.9	133.5	12.38	11.789	
2,200.0	2,194.4	2,175.4	2,171.4	6.6	6.3	-141.71	-25.4	115.8	173.0	160.1	12.93	13.383	
2,300.0	2,292.9	2,271.1	2,266.2	6.9	6.6	-144.53	-23.8	129.0	200.6	187.1	13.50	14.866	
2,400.0	2,391.4	2,366.8	2,360.9	7.2	6.9	-146.67	-22.2	142.2	228.6	214.5	14.08	16.231	
2,500.0	2,489.9	2,462.5	2,455.7	7.5	7.2	-148.34	-20.6	155.5	256.8	242.1	14.69	17.480	
2,600.0	2,588.3	2,558.2	2,550.5	7.9	7.5	-149.68	-18.9	168.7	285.2	269.9	15.32	18.620	
2,700.0	2,686.8	2,653.9	2,645.2	8.2	7.8	-150.78	-17.3	181.9	313.7	297.7	15.95	19.660	
2,800.0	2,785.3	2,749.6	2,740.0	8.6	8.1	-151.69	-15.7	195.1	342.2	325.6	16.61	20.607	
2,900.0	2,883.8	2,845.3	2,834.8	9.0	8.5	-152.47	-14.1	208.3	370.9	353.6	17.27	21.470	
3,000.0	2,982.3	2,941.0	2,929.5	9.3	8.8	-153.13	-12.5	221.6	399.6	381.6	17.95	22.258	
3,100.0	3,080.8	3,036.7	3,024.3	9.7	9.2	-153.71	-10.8	234.8	428.3	409.7	18.64	22.979	
3,200.0	3,179.2	3,132.4	3,119.1	10.1	9.5	-154.21	-9.2	248.0	457.1	437.8	19.34	23.639	
3,300.0	3,277.7	3,228.1	3,213.8	10.5	9.9	-154.65	-7.6	261.2	485.9	465.9	20.04	24.244	
3,400.0	3,376.2	3,323.8	3,308.6	10.9	10.3	-155.05	-6.0	274.4	514.7	494.0	20.75	24.801	
3,500.0	3,474.7	3,419.5	3,403.4	11.3	10.6	-155.40	-4.3	287.7	543.6	522.1	21.47	25.313	
3,600.0	3,573.2	3,515.2	3,498.1	11.7	11.0	-155.71	-2.7	300.9	572.4	550.2	22.20	25.786	
3,700.0	3,671.6	3,610.9	3,592.9	12.1	11.4	-156.00	-1.1	314.1	601.3	578.4	22.93	26.223	
3,800.0	3,770.1	3,706.6	3,687.7	12.6	11.8	-156.26	0.5	327.3	630.2	606.5	23.67	26.628	
3,900.0	3,868.6	3,802.3	3,782.4	13.0	12.1	-156.50	2.2	340.5	659.1	634.7	24.41	27.004	
4,000.0	3,967.1	3,898.0	3,877.2	13.4	12.5	-156.71	3.8	353.8	688.0	662.9	25.15	27.354	
4,100.0	4,065.6	3,993.7	3,972.0	13.8	12.9	-156.91	5.4	367.0	716.9	691.0	25.90	27.680	
4,200.0	4,164.0	4,089.4	4,066.8	14.2	13.3	-157.10	7.0	380.2	745.9	719.2	26.65	27.984	
4,300.0	4,262.5	4,185.1	4,161.5	14.7	13.7	-157.27	8.6	393.4	774.8	747.4	27.41	28.268	
4,400.0	4,361.0	4,280.8	4,256.3	15.1	14.1	-157.43	10.3	406.6	803.7	775.6	28.16	28.545	
4,500.0	4,459.5	4,391.5	4,366.1	15.5	14.5	-157.62	12.0	420.9	831.8	802.8	29.03	28.652	
4,545.2	4,504.0	4,442.0	4,416.3	15.7	14.7	-157.72	12.7	426.7	843.9	814.5	29.41	28.695	
4,600.0	4,558.0	4,503.6	4,477.6	15.9	15.0	-157.90	13.5	433.2	857.9	828.0	29.87	28.722	
4,700.0	4,656.8	4,617.2	4,590.6	16.4	15.4	-158.20	14.8	443.4	880.8	850.1	30.71	28.683	
4,800.0	4,755.8	4,732.0	4,705.2	16.8	15.8	-158.48	15.8	451.5	900.3	868.8	31.52	28.564	
4,900.0	4,855.1	4,848.0	4,821.0	17.2	16.2	-158.74	16.5	457.4	916.3	884.0	32.29	28.377	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,954.6	4,964.9	4,937.8	17.6	16.5	-158.98	16.9	460.9	928.8	895.8	33.01	28.139	
5,100.0	5,054.2	5,082.4	5,055.3	17.9	16.7	-159.21	17.1	462.1	937.8	904.3	33.59	27.922	
5,200.0	5,153.9	5,182.0	5,154.9	18.3	16.8	-159.38	17.1	462.1	944.3	910.3	33.98	27.788	
5,300.0	5,253.8	5,281.9	5,254.8	18.6	16.8	-159.51	17.1	462.1	949.1	914.8	34.36	27.623	
5,400.0	5,353.7	5,381.8	5,354.7	18.9	16.9	-159.59	17.1	462.1	952.3	917.6	34.71	27.437	
5,500.0	5,453.7	5,481.8	5,454.7	19.2	16.9	-159.63	17.1	462.1	953.9	918.9	35.01	27.243	
5,545.2	5,498.9	5,527.0	5,499.9	19.3	16.9	62.36	17.1	462.1	954.0	919.0	35.08	27.196	
5,600.0	5,553.7	5,581.8	5,554.7	19.3	17.0	62.36	17.1	462.1	954.0	918.9	35.11	27.174	
5,700.0	5,653.7	5,681.8	5,654.7	19.3	17.0	62.36	17.1	462.1	954.0	918.8	35.18	27.116	
5,800.0	5,753.7	5,781.8	5,754.7	19.3	17.1	62.36	17.1	462.1	954.0	918.8	35.26	27.058	
5,900.0	5,853.7	5,881.8	5,854.7	19.3	17.1	62.36	17.1	462.1	954.0	918.7	35.34	26.999	
6,000.0	5,953.7	5,981.8	5,954.7	19.4	17.2	62.36	17.1	462.1	954.0	918.6	35.41	26.940	
6,100.0	6,053.7	6,081.8	6,054.7	19.4	17.2	62.36	17.1	462.1	954.0	918.5	35.49	26.882	
6,200.0	6,153.7	6,181.8	6,154.7	19.4	17.3	62.36	17.1	462.1	954.0	918.5	35.57	26.823	
6,300.0	6,253.7	6,281.8	6,254.7	19.5	17.3	62.36	17.1	462.1	954.0	918.4	35.65	26.764	
6,400.0	6,353.7	6,381.8	6,354.7	19.5	17.4	62.36	17.1	462.1	954.0	918.3	35.73	26.704	
6,500.0	6,453.7	6,481.8	6,454.7	19.5	17.4	62.36	17.1	462.1	954.0	918.2	35.81	26.645	
6,600.0	6,553.7	6,581.8	6,554.7	19.6	17.5	62.36	17.1	462.1	954.0	918.1	35.89	26.585	
6,700.0	6,653.7	6,681.8	6,654.7	19.6	17.5	62.36	17.1	462.1	954.0	918.1	35.97	26.525	
6,800.0	6,753.7	6,781.8	6,754.7	19.6	17.6	62.36	17.1	462.1	954.0	918.0	36.05	26.466	
6,900.0	6,853.7	6,881.8	6,854.7	19.7	17.6	62.36	17.1	462.1	954.0	917.9	36.13	26.406	
7,000.0	6,953.7	6,981.8	6,954.7	19.7	17.7	62.36	17.1	462.1	954.0	917.8	36.21	26.345	
7,100.0	7,053.7	7,081.8	7,054.7	19.7	17.7	62.36	17.1	462.1	954.0	917.7	36.30	26.285	
7,200.0	7,153.7	7,181.8	7,154.7	19.7	17.8	62.36	17.1	462.1	954.0	917.7	36.38	26.225	
7,300.0	7,253.7	7,281.8	7,254.7	19.8	17.8	62.36	17.1	462.1	954.0	917.6	36.46	26.164	
7,400.0	7,353.7	7,381.8	7,354.7	19.8	17.9	62.36	17.1	462.1	954.0	917.5	36.55	26.104	
7,500.0	7,453.7	7,481.8	7,454.7	19.8	17.9	62.36	17.1	462.1	954.0	917.4	36.63	26.043	
7,600.0	7,553.7	7,581.8	7,554.7	19.9	18.0	62.36	17.1	462.1	954.0	917.3	36.72	25.982	
7,700.0	7,653.7	7,681.8	7,654.7	19.9	18.0	62.36	17.1	462.1	954.0	917.2	36.80	25.922	
7,800.0	7,753.7	7,781.8	7,754.7	20.0	18.1	62.36	17.1	462.1	954.0	917.1	36.89	25.861	
7,900.0	7,853.7	7,881.8	7,854.7	20.0	18.1	62.36	17.1	462.1	954.0	917.1	36.98	25.800	
8,000.0	7,953.7	7,981.8	7,954.7	20.0	18.2	62.36	17.1	462.1	954.0	917.0	37.07	25.739	
8,100.0	8,053.7	8,081.8	8,054.7	20.1	18.2	62.36	17.1	462.1	954.0	916.9	37.15	25.678	
8,200.0	8,153.7	8,181.8	8,154.7	20.1	18.3	62.36	17.1	462.1	954.0	916.8	37.24	25.617	
8,300.0	8,253.7	8,281.8	8,254.7	20.1	18.3	62.36	17.1	462.1	954.0	916.7	37.33	25.555	
8,400.0	8,353.7	8,381.8	8,354.7	20.2	18.4	62.36	17.1	462.1	954.0	916.6	37.42	25.494	
8,500.0	8,453.7	8,481.8	8,454.7	20.2	18.4	62.36	17.1	462.1	954.0	916.5	37.51	25.433	
8,600.0	8,553.7	8,581.8	8,554.7	20.2	18.5	62.36	17.1	462.1	954.0	916.4	37.60	25.372	
8,700.0	8,653.7	8,681.8	8,654.7	20.3	18.5	62.36	17.1	462.1	954.0	916.3	37.69	25.310	
8,800.0	8,753.7	8,781.8	8,754.7	20.3	18.6	62.36	17.1	462.1	954.0	916.2	37.78	25.249	
8,900.0	8,853.7	8,881.8	8,854.7	20.3	18.6	62.36	17.1	462.1	954.0	916.2	37.88	25.188	
9,000.0	8,953.7	8,981.8	8,954.7	20.4	18.7	62.36	17.1	462.1	954.0	916.1	37.97	25.126	
9,100.0	9,053.7	9,081.8	9,054.7	20.4	18.8	62.36	17.1	462.1	954.0	916.0	38.06	25.065	
9,200.0	9,153.7	9,181.8	9,154.7	20.5	18.8	62.36	17.1	462.1	954.0	915.9	38.16	25.003	
9,300.0	9,253.7	9,281.8	9,254.7	20.5	18.9	62.36	17.1	462.1	954.0	915.8	38.25	24.942	
9,400.0	9,353.7	9,381.8	9,354.7	20.5	18.9	62.36	17.1	462.1	954.0	915.7	38.34	24.881	
9,500.0	9,453.7	9,481.8	9,454.7	20.6	19.0	62.36	17.1	462.1	954.0	915.6	38.44	24.819	
9,600.0	9,553.7	9,581.8	9,554.7	20.6	19.0	62.36	17.1	462.1	954.0	915.5	38.53	24.758	
9,700.0	9,653.7	9,681.8	9,654.7	20.7	19.1	62.36	17.1	462.1	954.0	915.4	38.63	24.697	
9,800.0	9,753.7	9,781.8	9,754.7	20.7	19.1	62.36	17.1	462.1	954.0	915.3	38.73	24.635	
9,900.0	9,853.7	9,881.8	9,854.7	20.7	19.2	62.36	17.1	462.1	954.0	915.2	38.82	24.574	
10,000.0	9,953.7	9,981.8	9,954.7	20.8	19.3	62.36	17.1	462.1	954.0	915.1	38.92	24.513	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.0	10,053.7	10,081.8	10,054.7	20.8	19.3	62.36	17.1	462.1	954.0	915.0	39.02	24.452	
10,200.0	10,153.7	10,181.8	10,154.7	20.9	19.4	62.36	17.1	462.1	954.0	914.9	39.11	24.391	
10,300.0	10,253.7	10,281.8	10,254.7	20.9	19.4	62.36	17.1	462.1	954.0	914.8	39.21	24.329	
10,400.0	10,353.7	10,381.8	10,354.7	20.9	19.5	62.36	17.1	462.1	954.0	914.7	39.31	24.268	
10,500.0	10,453.7	10,481.8	10,454.7	21.0	19.5	62.36	17.1	462.1	954.0	914.6	39.41	24.207	
10,600.0	10,553.7	10,581.8	10,554.7	21.0	19.6	62.36	17.1	462.1	954.0	914.5	39.51	24.146	
10,700.0	10,653.7	10,681.8	10,654.7	21.1	19.7	62.36	17.1	462.1	954.0	914.4	39.61	24.085	
10,800.0	10,753.7	10,781.8	10,754.7	21.1	19.7	62.36	17.1	462.1	954.0	914.3	39.71	24.024	
10,900.0	10,853.7	10,881.8	10,854.7	21.1	19.8	62.36	17.1	462.1	954.0	914.2	39.81	23.964	
11,000.0	10,953.7	10,981.8	10,954.7	21.2	19.8	62.36	17.1	462.1	954.0	914.1	39.91	23.903	
11,100.0	11,053.7	11,081.8	11,054.7	21.2	19.9	62.36	17.1	462.1	954.0	914.0	40.01	23.842	
11,200.0	11,153.7	11,181.8	11,154.7	21.3	19.9	62.36	17.1	462.1	954.0	913.9	40.12	23.782	
11,300.0	11,253.7	11,281.8	11,254.7	21.3	20.0	62.36	17.1	462.1	954.0	913.8	40.22	23.721	
11,400.0	11,353.7	11,381.8	11,354.7	21.4	20.1	62.36	17.1	462.1	954.0	913.7	40.32	23.661	
11,479.8	11,433.5	11,461.6	11,434.5	21.4	20.1	62.36	17.1	462.1	954.0	913.6	40.38	23.625	
11,500.0	11,453.7	11,676.2	11,642.1	21.4	20.1	-115.14	-29.9	462.4	952.2	911.6	40.59	23.460	
11,525.0	11,478.7	11,871.4	11,796.2	21.4	20.2	-109.68	-147.5	463.1	945.9	904.8	41.09	23.020	
11,550.0	11,503.5	11,966.4	11,850.8	21.4	20.2	-106.34	-225.1	463.6	937.6	896.5	41.10	22.811	
11,575.0	11,528.1	12,042.1	11,882.8	21.4	20.3	-103.47	-293.6	464.1	928.8	887.9	40.94	22.690	
11,600.0	11,552.5	12,093.5	11,898.1	21.4	20.3	-101.68	-342.6	464.4	920.1	879.4	40.68	22.616	
11,625.0	11,576.5	12,150.7	11,909.0	21.4	20.4	-99.41	-398.6	464.8	911.5	871.2	40.33	22.604	
11,650.0	11,600.1	12,169.5	11,910.9	21.4	20.4	-99.29	-417.3	464.9	903.4	863.3	40.10	22.528	
11,675.0	11,623.3	12,209.9	11,913.0	21.4	20.5	-97.81	-457.7	465.2	895.8	856.1	39.75	22.535	
11,700.0	11,646.0	12,222.1	11,913.0	21.5	20.5	-97.95	-469.8	465.2	888.8	849.2	39.58	22.454	
11,725.0	11,668.1	12,233.8	11,913.0	21.5	20.5	-98.04	-481.5	465.3	882.4	843.0	39.44	22.375	
11,750.0	11,689.5	12,246.6	11,913.0	21.5	20.5	-98.01	-494.4	465.4	876.7	837.4	39.31	22.304	
11,775.0	11,710.3	12,260.6	11,913.0	21.5	20.6	-97.85	-508.3	465.5	871.7	832.5	39.20	22.239	
11,800.0	11,730.3	12,275.6	11,913.0	21.5	20.6	-97.59	-523.4	465.6	867.3	828.2	39.10	22.180	
11,825.0	11,749.4	12,291.6	11,913.0	21.5	20.6	-97.23	-539.4	465.7	863.5	824.5	39.03	22.125	
11,850.0	11,767.7	12,308.6	11,913.0	21.5	20.6	-96.79	-556.4	465.8	860.2	821.2	38.97	22.072	
11,875.0	11,785.1	12,326.6	11,913.0	21.5	20.7	-96.29	-574.4	465.9	857.5	818.5	38.94	22.021	
11,900.0	11,801.6	12,345.5	11,913.0	21.6	20.7	-95.73	-593.2	466.0	855.2	816.3	38.92	21.972	
11,925.0	11,817.0	12,365.1	11,913.0	21.6	20.8	-95.14	-612.9	466.2	853.3	814.4	38.92	21.924	
11,950.0	11,831.3	12,385.6	11,913.0	21.6	20.8	-94.53	-633.4	466.3	851.9	812.9	38.94	21.877	
11,975.0	11,844.6	12,406.8	11,913.0	21.6	20.8	-93.91	-654.5	466.4	850.7	811.7	38.97	21.829	
12,000.0	11,856.8	12,428.6	11,913.0	21.6	20.9	-93.30	-676.4	466.6	849.8	810.8	39.02	21.779	
12,025.0	11,867.7	12,451.1	11,913.0	21.7	20.9	-92.72	-698.8	466.7	849.2	810.1	39.08	21.729	
12,050.0	11,877.5	12,474.1	11,913.0	21.7	21.0	-92.16	-721.8	466.9	848.7	809.6	39.15	21.678	
12,075.0	11,886.1	12,497.5	11,913.0	21.7	21.0	-91.66	-745.3	467.0	848.4	809.2	39.23	21.627	
12,100.0	11,893.5	12,521.4	11,913.0	21.7	21.1	-91.21	-769.2	467.2	848.2	808.9	39.32	21.571	
12,125.0	11,899.5	12,545.7	11,913.0	21.7	21.1	-90.82	-793.4	467.3	848.1	808.7	39.42	21.514	
12,150.0	11,904.3	12,570.2	11,913.0	21.8	21.2	-90.51	-818.0	467.5	848.1	808.5	39.53	21.456	
12,175.0	11,907.9	12,595.0	11,913.0	21.8	21.3	-90.28	-842.7	467.7	848.0	808.4	39.63	21.398	
12,200.0	11,910.1	12,619.9	11,913.0	21.8	21.3	-90.13	-867.6	467.8	848.0	808.3	39.75	21.335	
12,225.0	11,911.0	12,644.8	11,913.0	21.8	21.4	-90.07	-892.6	468.0	848.0	808.2	39.87	21.271	
12,229.8	11,911.0	12,649.6	11,913.0	21.8	21.4	-90.07	-897.4	468.0	848.0	808.1	39.89	21.259	
12,300.0	11,911.0	12,719.8	11,913.0	21.9	21.6	-90.07	-967.6	468.5	848.0	807.8	40.25	21.071	
12,400.0	11,911.0	12,819.8	11,913.0	22.0	21.9	-90.07	-1,067.6	469.1	848.0	807.2	40.80	20.783	
12,500.0	11,911.0	12,919.8	11,913.0	22.1	22.2	-90.07	-1,167.6	469.8	848.0	806.6	41.41	20.478	
12,600.0	11,911.0	13,019.8	11,913.0	22.2	22.5	-90.07	-1,267.6	470.4	848.0	806.0	42.06	20.161	
12,700.0	11,911.0	13,119.8	11,913.0	22.4	22.9	-90.07	-1,367.6	471.1	848.0	805.3	42.76	19.833	
12,800.0	11,911.0	13,219.8	11,913.0	22.5	23.3	-90.07	-1,467.6	471.7	848.0	804.5	43.50	19.497	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
12,900.0	11,911.0	13,319.8	11,913.0	22.8	23.6	-90.07	-1,567.6	472.4	848.0	803.8	44.27	19.155	
13,000.0	11,911.0	13,419.8	11,913.0	23.0	24.1	-90.07	-1,667.6	473.0	848.0	802.9	45.09	18.809	
13,100.0	11,911.0	13,519.8	11,913.0	23.2	24.5	-90.07	-1,767.6	473.7	848.0	802.1	45.94	18.461	
13,200.0	11,911.0	13,619.8	11,913.0	23.5	24.9	-90.07	-1,867.6	474.3	848.0	801.2	46.82	18.113	
13,300.0	11,911.0	13,719.8	11,913.0	23.8	25.4	-90.07	-1,967.6	475.0	848.0	800.3	47.73	17.766	
13,400.0	11,911.0	13,819.8	11,913.0	24.2	25.9	-90.07	-2,067.6	475.6	848.0	799.4	48.68	17.421	
13,500.0	11,911.0	13,919.8	11,913.0	24.6	26.3	-90.07	-2,167.6	476.3	848.0	798.4	49.65	17.080	
13,600.0	11,911.0	14,019.8	11,913.0	25.0	26.8	-90.07	-2,267.6	476.9	848.0	797.4	50.65	16.743	
13,700.0	11,911.0	14,119.8	11,913.0	25.4	27.3	-90.07	-2,367.6	477.6	848.0	796.4	51.67	16.412	
13,800.0	11,911.0	14,219.8	11,913.0	25.8	27.9	-90.07	-2,467.6	478.2	848.0	795.3	52.72	16.086	
13,900.0	11,911.0	14,319.8	11,913.0	26.3	28.4	-90.07	-2,567.6	478.9	848.0	794.2	53.79	15.766	
14,000.0	11,911.0	14,419.8	11,913.0	26.8	28.9	-90.07	-2,667.6	479.5	848.0	793.2	54.88	15.453	
14,100.0	11,911.0	14,519.8	11,913.0	27.3	29.5	-90.07	-2,767.6	480.2	848.0	792.0	55.99	15.147	
14,200.0	11,911.0	14,619.8	11,913.0	27.8	30.1	-90.07	-2,867.6	480.9	848.0	790.9	57.11	14.848	
14,300.0	11,911.0	14,719.8	11,913.0	28.4	30.6	-90.07	-2,967.6	481.5	848.0	789.8	58.26	14.556	
14,400.0	11,911.0	14,819.8	11,913.0	28.9	31.2	-90.07	-3,067.6	482.2	848.0	788.6	59.42	14.272	
14,500.0	11,911.0	14,919.8	11,913.0	29.5	31.8	-90.07	-3,167.6	482.8	848.0	787.4	60.59	13.995	
14,600.0	11,911.0	15,019.8	11,913.0	30.1	32.4	-90.07	-3,267.6	483.5	848.0	786.2	61.79	13.725	
14,700.0	11,911.0	15,119.8	11,913.0	30.6	33.0	-90.07	-3,367.6	484.1	848.0	785.0	62.99	13.463	
14,800.0	11,911.0	15,219.8	11,913.0	31.2	33.6	-90.07	-3,467.6	484.8	848.0	783.8	64.21	13.208	
14,900.0	11,911.0	15,319.8	11,913.0	31.8	34.2	-90.07	-3,567.5	485.4	848.0	782.6	65.44	12.960	
15,000.0	11,911.0	15,419.8	11,913.0	32.5	34.8	-90.07	-3,667.5	486.1	848.0	781.3	66.68	12.718	
15,100.0	11,911.0	15,519.8	11,913.0	33.1	35.5	-90.07	-3,767.5	486.7	848.0	780.1	67.93	12.484	
15,200.0	11,911.0	15,619.8	11,913.0	33.7	36.1	-90.07	-3,867.5	487.4	848.0	778.8	69.19	12.256	
15,300.0	11,911.0	15,719.8	11,913.0	34.4	36.7	-90.07	-3,967.5	488.0	848.0	777.6	70.46	12.035	
15,400.0	11,911.0	15,819.8	11,913.0	35.0	37.4	-90.07	-4,067.5	488.7	848.0	776.3	71.74	11.820	
15,500.0	11,911.0	15,919.8	11,913.0	35.7	38.0	-90.07	-4,167.5	489.3	848.0	775.0	73.03	11.612	
15,600.0	11,911.0	16,019.8	11,913.0	36.3	38.7	-90.07	-4,267.5	490.0	848.0	773.7	74.33	11.409	
15,700.0	11,911.0	16,119.8	11,913.0	37.0	39.3	-90.07	-4,367.5	490.6	848.0	772.4	75.63	11.212	
15,800.0	11,911.0	16,219.8	11,913.0	37.6	40.0	-90.07	-4,467.5	491.3	848.0	771.1	76.95	11.021	
15,900.0	11,911.0	16,319.8	11,913.0	38.3	40.6	-90.07	-4,567.5	491.9	848.0	769.8	78.27	10.835	
16,000.0	11,911.0	16,419.8	11,913.0	39.0	41.3	-90.07	-4,667.5	492.6	848.0	768.4	79.59	10.654	
16,100.0	11,911.0	16,519.8	11,913.0	39.6	42.0	-90.07	-4,767.5	493.2	848.0	767.1	80.93	10.479	
16,200.0	11,911.0	16,619.8	11,913.0	40.3	42.6	-90.07	-4,867.5	493.9	848.0	765.8	82.26	10.309	
16,300.0	11,911.0	16,719.8	11,913.0	41.0	43.3	-90.07	-4,967.5	494.5	848.0	764.4	83.61	10.143	
16,400.0	11,911.0	16,819.8	11,913.0	41.7	44.0	-90.07	-5,067.5	495.2	848.0	763.1	84.96	9.982	
16,500.0	11,911.0	16,919.8	11,913.0	42.4	44.7	-90.07	-5,167.5	495.8	848.0	761.7	86.31	9.825	
16,600.0	11,911.0	17,019.8	11,913.0	43.1	45.3	-90.07	-5,267.5	496.5	848.0	760.3	87.67	9.672	
16,700.0	11,911.0	17,119.8	11,913.0	43.8	46.0	-90.07	-5,367.5	497.1	848.0	759.0	89.04	9.524	
16,800.0	11,911.0	17,219.8	11,913.0	44.5	46.7	-90.07	-5,467.5	497.8	848.0	757.6	90.41	9.380	
16,900.0	11,911.0	17,319.8	11,913.0	45.2	47.4	-90.07	-5,567.5	498.4	848.0	756.2	91.78	9.240	
17,000.0	11,911.0	17,419.8	11,913.0	45.9	48.1	-90.07	-5,667.5	499.1	848.0	754.9	93.16	9.103	
17,100.0	11,911.0	17,519.8	11,913.0	46.6	48.8	-90.07	-5,767.5	499.7	848.0	753.5	94.54	8.970	
17,200.0	11,911.0	17,619.8	11,913.0	47.3	49.5	-90.07	-5,867.5	500.4	848.0	752.1	95.93	8.840	
17,300.0	11,911.0	17,719.8	11,913.0	48.0	50.2	-90.07	-5,967.5	501.0	848.0	750.7	97.31	8.714	
17,400.0	11,911.0	17,819.8	11,913.0	48.7	50.9	-90.07	-6,067.5	501.7	848.0	749.3	98.71	8.591	
17,500.0	11,911.0	17,919.8	11,913.0	49.4	51.6	-90.07	-6,167.5	502.3	848.0	747.9	100.10	8.471	
17,600.0	11,911.0	18,019.8	11,913.0	50.1	52.3	-90.07	-6,267.5	503.0	848.0	746.5	101.50	8.355	
17,700.0	11,911.0	18,119.8	11,913.0	50.8	53.0	-90.07	-6,367.5	503.6	848.0	745.1	102.90	8.241	
17,800.0	11,911.0	18,219.8	11,913.0	51.6	53.7	-90.07	-6,467.5	504.3	848.0	743.7	104.31	8.130	
17,900.0	11,911.0	18,319.8	11,913.0	52.3	54.4	-90.07	-6,567.5	504.9	848.0	742.3	105.72	8.022	
18,000.0	11,911.0	18,419.8	11,913.0	53.0	55.1	-90.07	-6,667.5	505.6	848.0	740.9	107.13	7.916	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
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
18,100.0	11,911.0	18,519.8	11,913.0	53.7	55.8	-90.07	-6,767.5	506.2	848.0	739.5	108.54	7.813	
18,200.0	11,911.0	18,619.8	11,913.0	54.4	56.6	-90.07	-6,867.5	506.9	848.0	738.1	109.95	7.712	
18,300.0	11,911.0	18,719.8	11,913.0	55.1	57.3	-90.07	-6,967.5	507.5	848.0	736.6	111.37	7.614	
18,400.0	11,911.0	18,819.8	11,913.0	55.9	58.0	-90.07	-7,067.5	508.2	848.0	735.2	112.79	7.518	
18,500.0	11,911.0	18,919.8	11,913.0	56.6	58.7	-90.07	-7,167.5	508.8	848.0	733.8	114.21	7.425	
18,600.0	11,911.0	19,019.8	11,913.0	57.3	59.4	-90.07	-7,267.5	509.5	848.0	732.4	115.64	7.333	
18,700.0	11,911.0	19,119.8	11,913.0	58.0	60.1	-90.07	-7,367.5	510.1	848.0	730.9	117.07	7.244	
18,800.0	11,911.0	19,219.8	11,913.0	58.8	60.9	-90.07	-7,467.5	510.8	848.0	729.5	118.49	7.156	
18,900.0	11,911.0	19,319.8	11,913.0	59.5	61.6	-90.07	-7,567.5	511.4	848.0	728.1	119.92	7.071	
19,000.0	11,911.0	19,419.8	11,913.0	60.2	62.3	-90.07	-7,667.5	512.1	848.0	726.6	121.36	6.988	
19,100.0	11,911.0	19,519.8	11,913.0	61.0	63.0	-90.07	-7,767.5	512.7	848.0	725.2	122.79	6.906	
19,200.0	11,911.0	19,619.8	11,913.0	61.7	63.7	-90.07	-7,867.5	513.4	848.0	723.8	124.23	6.826	
19,300.0	11,911.0	19,719.8	11,913.0	62.4	64.5	-90.07	-7,967.5	514.1	848.0	722.3	125.66	6.748	
19,400.0	11,911.0	19,819.8	11,913.0	63.2	65.2	-90.07	-8,067.5	514.7	848.0	720.9	127.10	6.672	
19,500.0	11,911.0	19,919.8	11,913.0	63.9	65.9	-90.07	-8,167.5	515.4	848.0	719.5	128.54	6.597	
19,600.0	11,911.0	20,019.8	11,913.0	64.6	66.6	-90.07	-8,267.4	516.0	848.0	718.0	129.99	6.524	
19,700.0	11,911.0	20,119.8	11,913.0	65.4	67.4	-90.07	-8,367.4	516.7	848.0	716.6	131.43	6.452	
19,800.0	11,911.0	20,219.8	11,913.0	66.1	68.1	-90.07	-8,467.4	517.3	848.0	715.1	132.87	6.382	
19,900.0	11,911.0	20,319.8	11,913.0	66.8	68.8	-90.07	-8,567.4	518.0	848.0	713.7	134.32	6.313	
20,000.0	11,911.0	20,419.8	11,913.0	67.6	69.6	-90.07	-8,667.4	518.6	848.0	712.2	135.77	6.246	
20,100.0	11,911.0	20,519.8	11,913.0	68.3	70.3	-90.07	-8,767.4	519.3	848.0	710.8	137.22	6.180	
20,200.0	11,911.0	20,619.8	11,913.0	69.0	71.0	-90.07	-8,867.4	519.9	848.0	709.3	138.67	6.115	
20,300.0	11,911.0	20,719.8	11,913.0	69.8	71.8	-90.07	-8,967.4	520.6	848.0	707.9	140.12	6.052	
20,400.0	11,911.0	20,819.8	11,913.0	70.5	72.5	-90.07	-9,067.4	521.2	848.0	706.4	141.57	5.990	
20,500.0	11,911.0	20,919.8	11,913.0	71.3	73.2	-90.07	-9,167.4	521.9	848.0	705.0	143.02	5.929	
20,600.0	11,911.0	21,019.8	11,913.0	72.0	74.0	-90.07	-9,267.4	522.5	848.0	703.5	144.48	5.869	
20,700.0	11,911.0	21,119.8	11,913.0	72.7	74.7	-90.07	-9,367.4	523.2	848.0	702.1	145.93	5.811	
20,800.0	11,911.0	21,219.8	11,913.0	73.5	75.4	-90.07	-9,467.4	523.8	848.0	700.6	147.39	5.753	
20,900.0	11,911.0	21,319.8	11,913.0	74.2	76.2	-90.07	-9,567.4	524.5	848.0	699.1	148.85	5.697	
21,000.0	11,911.0	21,419.8	11,913.0	75.0	76.9	-90.07	-9,667.4	525.1	848.0	697.7	150.31	5.642	
21,100.0	11,911.0	21,519.8	11,913.0	75.7	77.6	-90.07	-9,767.4	525.8	848.0	696.2	151.77	5.588	
21,200.0	11,911.0	21,619.8	11,913.0	76.5	78.4	-90.07	-9,867.4	526.4	848.0	694.8	153.23	5.534	
21,300.0	11,911.0	21,719.8	11,913.0	77.2	79.1	-90.07	-9,967.4	527.1	848.0	693.3	154.69	5.482	
21,359.6	11,911.0	21,779.5	11,913.0	77.6	79.6	-90.07	-10,027.0	527.5	848.0	692.4	155.56	5.451	
21,400.0	11,911.0	21,819.8	11,913.0	77.9	79.9	-90.07	-10,067.4	527.7	848.0	691.8	156.14	5.431	
21,409.6	11,911.0	21,829.5	11,913.0	78.0	79.9	-90.07	-10,077.0	527.8	848.0	691.7	156.28	5.426 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	123.81	-50.4	75.2	90.6	83.6	6.98	12.973	
100.0	100.0	101.0	101.0	3.1	3.1	123.81	-50.4	75.2	90.6	83.3	7.23	12.532	
200.0	200.0	201.0	201.0	3.2	3.3	123.81	-50.4	75.2	90.6	83.1	7.46	12.132	
300.0	300.0	301.0	301.0	3.4	3.4	123.81	-50.4	75.2	90.6	82.9	7.70	11.767	
400.0	400.0	401.0	401.0	3.5	3.5	123.81	-50.4	75.2	90.6	82.6	7.92	11.431	
500.0	500.0	501.0	501.0	3.6	3.6	123.81	-50.4	75.2	90.6	82.4	8.14	11.121	
600.0	600.0	601.0	601.0	3.7	3.7	123.81	-50.4	75.2	90.6	82.2	8.36	10.834	
700.0	700.0	701.0	701.0	3.9	3.9	123.81	-50.4	75.2	90.6	82.0	8.57	10.566	
800.0	800.0	801.0	801.0	4.0	4.0	123.81	-50.4	75.2	90.6	81.8	8.78	10.315	
900.0	900.0	901.0	901.0	4.1	4.1	123.81	-50.4	75.2	90.6	81.6	8.98	10.080	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.81	-50.4	75.2	90.6	81.4	9.19	9.859	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.81	-50.4	75.2	90.6	81.2	9.38	9.651	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.81	-50.4	75.2	90.6	81.0	9.58	9.454	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.81	-50.4	75.2	90.6	80.8	9.77	9.268	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.81	-50.4	75.2	90.6	80.6	9.96	9.091	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.81	-50.4	75.2	90.6	80.5	10.09	8.979 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	123.81	-50.4	75.2	90.6	80.4	10.15	8.924 ES, SF	
1,600.0	1,600.0	1,598.4	1,598.4	5.0	4.9	-99.85	-50.3	76.9	92.2	82.2	10.04	9.190	
1,700.0	1,699.8	1,695.3	1,695.2	5.2	5.1	-104.41	-49.9	81.9	97.6	87.2	10.39	9.397	
1,800.0	1,799.5	1,791.0	1,790.5	5.5	5.3	-110.81	-49.4	90.0	107.8	97.0	10.78	10.001	
1,900.0	1,898.7	1,885.0	1,883.8	5.8	5.5	-117.74	-48.6	101.0	123.9	112.7	11.24	11.025	
2,000.0	1,997.5	1,976.7	1,974.5	6.1	5.8	-124.15	-47.6	114.7	146.6	134.9	11.77	12.461	
2,100.0	2,095.9	2,066.3	2,062.7	6.3	6.1	-129.61	-46.5	130.9	175.0	162.7	12.30	14.228	
2,200.0	2,194.4	2,158.0	2,152.4	6.6	6.4	-133.69	-45.2	149.7	207.0	194.2	12.84	16.119	
2,300.0	2,292.9	2,251.8	2,244.1	6.9	6.7	-136.77	-43.8	169.2	240.0	226.6	13.41	17.900	
2,400.0	2,391.4	2,345.5	2,335.7	7.2	7.0	-139.10	-42.5	188.6	273.4	259.4	13.99	19.539	
2,500.0	2,489.9	2,439.2	2,427.4	7.5	7.3	-140.93	-41.1	208.1	307.1	292.5	14.60	21.038	
2,600.0	2,588.3	2,533.0	2,519.1	7.9	7.6	-142.40	-39.7	227.5	341.1	325.8	15.23	22.402	
2,700.0	2,686.8	2,626.7	2,610.8	8.2	8.0	-143.61	-38.4	246.9	375.2	359.3	15.87	23.642	
2,800.0	2,785.3	2,720.4	2,702.5	8.6	8.3	-144.61	-37.0	266.4	409.4	392.9	16.53	24.769	
2,900.0	2,883.8	2,814.1	2,794.2	9.0	8.7	-145.46	-35.7	285.8	443.8	426.6	17.21	25.793	
3,000.0	2,982.3	2,907.9	2,885.8	9.3	9.0	-146.19	-34.3	305.3	478.2	460.3	17.89	26.725	
3,100.0	3,080.8	3,001.6	2,977.5	9.7	9.4	-146.82	-32.9	324.7	512.7	494.1	18.59	27.574	
3,200.0	3,179.2	3,095.3	3,069.2	10.1	9.8	-147.37	-31.6	344.1	547.2	527.9	19.30	28.348	
3,300.0	3,277.7	3,189.1	3,160.9	10.5	10.2	-147.86	-30.2	363.6	581.7	561.7	20.02	29.056	
3,400.0	3,376.2	3,282.8	3,252.6	10.9	10.6	-148.29	-28.9	383.0	616.3	595.6	20.75	29.705	
3,500.0	3,474.7	3,376.5	3,344.3	11.3	11.0	-148.67	-27.5	402.5	650.9	629.5	21.48	30.300	
3,600.0	3,573.2	3,470.3	3,436.0	11.7	11.3	-149.02	-26.1	421.9	685.6	663.4	22.22	30.848	
3,700.0	3,671.6	3,564.0	3,527.6	12.1	11.7	-149.33	-24.8	441.3	720.2	697.3	22.97	31.353	
3,800.0	3,770.1	3,657.7	3,619.3	12.6	12.1	-149.62	-23.4	460.8	754.9	731.2	23.72	31.820	
3,900.0	3,868.6	3,751.5	3,711.0	13.0	12.6	-149.88	-22.1	480.2	789.6	765.1	24.48	32.252	
4,000.0	3,967.1	3,845.2	3,802.7	13.4	13.0	-150.12	-20.7	499.7	824.3	799.1	25.25	32.652	
4,100.0	4,065.6	3,938.9	3,894.4	13.8	13.4	-150.33	-19.4	519.1	859.0	833.0	26.01	33.024	
4,200.0	4,164.0	4,032.7	3,986.1	14.2	13.8	-150.54	-18.0	538.5	893.8	867.0	26.78	33.371	
4,300.0	4,262.5	4,126.4	4,077.7	14.7	14.2	-150.72	-16.6	558.0	928.5	900.9	27.56	33.694	
4,400.0	4,361.0	4,220.1	4,169.4	15.1	14.6	-150.90	-15.3	577.4	963.2	934.9	28.33	33.995	
4,500.0	4,459.5	4,313.9	4,261.1	15.5	15.0	-151.06	-13.9	596.9	998.0	968.9	29.11	34.278	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11575-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	2.0	2.0	3.0	3.0	123.78	-67.1	100.4	120.8	113.8	6.98	17.302	
100.0	100.0	102.0	102.0	3.1	3.1	123.78	-67.1	100.4	120.8	113.6	7.23	16.711	
200.0	200.0	202.0	202.0	3.2	3.3	123.78	-67.1	100.4	120.8	113.3	7.47	16.179	
300.0	300.0	302.0	302.0	3.4	3.4	123.78	-67.1	100.4	120.8	113.1	7.70	15.692	
400.0	400.0	402.0	402.0	3.5	3.5	123.78	-67.1	100.4	120.8	112.9	7.92	15.244	
500.0	500.0	502.0	502.0	3.6	3.6	123.78	-67.1	100.4	120.8	112.6	8.14	14.831	
600.0	600.0	602.0	602.0	3.7	3.7	123.78	-67.1	100.4	120.8	112.4	8.36	14.447	
700.0	700.0	702.0	702.0	3.9	3.9	123.78	-67.1	100.4	120.8	112.2	8.57	14.090	
800.0	800.0	802.0	802.0	4.0	4.0	123.78	-67.1	100.4	120.8	112.0	8.78	13.756	
900.0	900.0	902.0	902.0	4.1	4.1	123.78	-67.1	100.4	120.8	111.8	8.99	13.443	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	123.78	-67.1	100.4	120.8	111.6	9.19	13.148	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	123.78	-67.1	100.4	120.8	111.4	9.38	12.871	
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	123.78	-67.1	100.4	120.8	111.2	9.58	12.608	
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	123.78	-67.1	100.4	120.8	111.0	9.77	12.360	
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	123.78	-67.1	100.4	120.8	110.8	9.96	12.124	
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	123.78	-67.1	100.4	120.8	110.7	10.09	11.975 CC, ES, SF	
1,500.0	1,500.0	1,501.9	1,501.9	4.8	4.8	123.78	-67.1	100.4	120.8	110.8	10.02	12.052	
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-99.47	-67.1	102.1	122.5	112.5	10.05	12.194	
1,700.0	1,699.8	1,694.5	1,694.4	5.2	5.0	-102.81	-66.9	107.0	127.8	117.4	10.40	12.294	
1,800.0	1,799.5	1,789.4	1,788.9	5.5	5.2	-107.73	-66.6	115.0	137.6	126.8	10.78	12.766	
1,900.0	1,898.7	1,882.6	1,881.5	5.8	5.5	-113.37	-66.3	125.9	152.8	141.6	11.21	13.627	
2,000.0	1,997.5	1,973.7	1,971.5	6.1	5.8	-118.98	-65.8	139.5	174.1	162.4	11.71	14.873	
2,100.0	2,095.9	2,062.7	2,059.1	6.3	6.1	-124.14	-65.2	155.4	201.0	188.8	12.22	16.447	
2,200.0	2,194.4	2,149.9	2,144.3	6.6	6.4	-128.12	-64.6	173.8	232.1	219.4	12.75	18.208	
2,300.0	2,292.9	2,238.5	2,230.4	6.9	6.7	-131.28	-63.9	194.7	266.7	253.5	13.29	20.067	
2,400.0	2,391.4	2,331.1	2,320.3	7.2	7.0	-133.84	-63.1	217.1	302.5	288.6	13.87	21.809	
2,500.0	2,489.9	2,423.7	2,410.1	7.5	7.3	-135.87	-62.3	239.5	338.6	324.1	14.47	23.402	
2,600.0	2,588.3	2,516.4	2,500.0	7.9	7.7	-137.50	-61.5	261.9	375.0	359.9	15.09	24.853	
2,700.0	2,686.8	2,609.0	2,589.9	8.2	8.0	-138.85	-60.7	284.3	411.7	396.0	15.73	26.172	
2,800.0	2,785.3	2,701.7	2,679.8	8.6	8.4	-139.98	-59.9	306.7	448.5	432.1	16.39	27.369	
2,900.0	2,883.8	2,794.3	2,769.7	9.0	8.7	-140.94	-59.2	329.1	485.5	468.4	17.06	28.454	
3,000.0	2,982.3	2,886.9	2,859.6	9.3	9.1	-141.77	-58.4	351.5	522.5	504.8	17.75	29.440	
3,100.0	3,080.8	2,979.6	2,949.5	9.7	9.4	-142.48	-57.6	373.9	559.6	541.2	18.45	30.338	
3,200.0	3,179.2	3,072.2	3,039.3	10.1	9.8	-143.11	-56.8	396.3	596.8	577.7	19.16	31.155	
3,300.0	3,277.7	3,164.8	3,129.2	10.5	10.2	-143.66	-56.0	418.7	634.1	614.2	19.88	31.901	
3,400.0	3,376.2	3,257.5	3,219.1	10.9	10.6	-144.15	-55.3	441.1	671.4	650.8	20.61	32.584	
3,500.0	3,474.7	3,350.1	3,309.0	11.3	11.0	-144.59	-54.5	463.5	708.7	687.4	21.34	33.209	
3,600.0	3,573.2	3,442.7	3,398.9	11.7	11.4	-144.99	-53.7	485.9	746.1	724.0	22.08	33.784	
3,700.0	3,671.6	3,535.4	3,488.8	12.1	11.8	-145.35	-52.9	508.3	783.5	760.7	22.83	34.312	
3,800.0	3,770.1	3,628.0	3,578.7	12.6	12.2	-145.67	-52.1	530.7	820.9	797.3	23.59	34.799	
3,900.0	3,868.6	3,720.7	3,668.5	13.0	12.6	-145.97	-51.3	553.1	858.4	834.0	24.35	35.250	
4,000.0	3,967.1	3,813.3	3,758.4	13.4	13.0	-146.24	-50.6	575.5	895.8	870.7	25.12	35.666	
4,100.0	4,065.6	3,905.9	3,848.3	13.8	13.5	-146.49	-49.8	597.9	933.3	907.4	25.89	36.053	
4,200.0	4,164.0	3,998.6	3,938.2	14.2	13.9	-146.73	-49.0	620.3	970.8	944.1	26.66	36.412	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	3.0	3.0	123.76	-83.9	125.5	151.0	144.0	6.98	21.630	
100.0	100.0	102.0	102.0	3.1	3.1	123.76	-83.9	125.5	151.0	143.8	7.23	20.891	
200.0	200.0	202.0	202.0	3.2	3.3	123.76	-83.9	125.5	151.0	143.5	7.47	20.225	
300.0	300.0	302.0	302.0	3.4	3.4	123.76	-83.9	125.5	151.0	143.3	7.70	19.617	
400.0	400.0	402.0	402.0	3.5	3.5	123.76	-83.9	125.5	151.0	143.1	7.92	19.057	
500.0	500.0	502.0	502.0	3.6	3.6	123.76	-83.9	125.5	151.0	142.9	8.14	18.541	
600.0	600.0	602.0	602.0	3.7	3.7	123.76	-83.9	125.5	151.0	142.6	8.36	18.061	
700.0	700.0	702.0	702.0	3.9	3.9	123.76	-83.9	125.5	151.0	142.4	8.57	17.614	
800.0	800.0	802.0	802.0	4.0	4.0	123.76	-83.9	125.5	151.0	142.2	8.78	17.197	
900.0	900.0	902.0	902.0	4.1	4.1	123.76	-83.9	125.5	151.0	142.0	8.99	16.805	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	123.76	-83.9	125.5	151.0	141.8	9.19	16.437	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	123.76	-83.9	125.5	151.0	141.6	9.38	16.090	
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	123.76	-83.9	125.5	151.0	141.4	9.58	15.762	
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	123.76	-83.9	125.5	151.0	141.2	9.77	15.451	
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	123.76	-83.9	125.5	151.0	141.0	9.96	15.156	
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	123.76	-83.9	125.5	151.0	140.9	10.09	14.970 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	123.76	-83.9	125.5	151.0	140.9	10.15	14.880 ES, SF	
1,600.0	1,600.0	1,597.7	1,597.7	5.0	4.9	-99.18	-83.9	127.2	152.7	142.7	10.04	15.202	
1,700.0	1,699.8	1,692.9	1,692.7	5.2	5.0	-101.84	-83.8	132.0	157.9	147.5	10.40	15.188	
1,800.0	1,799.5	1,786.9	1,786.5	5.5	5.2	-105.81	-83.7	139.9	167.4	156.6	10.78	15.536	
1,900.0	1,898.7	1,879.4	1,878.3	5.8	5.5	-110.54	-83.5	150.6	181.9	170.7	11.19	16.254	
2,000.0	1,997.5	1,969.8	1,967.7	6.1	5.8	-115.44	-83.2	164.0	202.2	190.5	11.66	17.336	
2,100.0	2,095.9	2,058.1	2,054.6	6.3	6.1	-120.22	-83.0	179.7	227.8	215.7	12.16	18.737	
2,200.0	2,194.4	2,144.7	2,139.3	6.6	6.4	-124.10	-82.7	197.8	257.7	245.1	12.67	20.336	
2,300.0	2,292.9	2,229.5	2,221.6	6.9	6.7	-127.21	-82.3	217.9	291.5	278.3	13.20	22.081	
2,400.0	2,391.4	2,313.7	2,302.8	7.2	7.0	-129.72	-81.9	240.3	328.6	314.9	13.74	23.920	
2,500.0	2,489.9	2,405.1	2,390.7	7.5	7.4	-131.92	-81.5	265.5	367.2	352.9	14.33	25.632	
2,600.0	2,588.3	2,496.5	2,478.5	7.9	7.7	-133.70	-81.0	290.6	406.2	391.3	14.94	27.191	
2,700.0	2,686.8	2,587.9	2,566.4	8.2	8.0	-135.18	-80.6	315.8	445.5	429.9	15.57	28.606	
2,800.0	2,785.3	2,679.3	2,654.3	8.6	8.4	-136.42	-80.2	341.0	485.0	468.8	16.23	29.890	
2,900.0	2,883.8	2,770.7	2,742.1	9.0	8.7	-137.47	-79.7	366.2	524.7	507.8	16.90	31.054	
3,000.0	2,982.3	2,862.1	2,830.0	9.3	9.1	-138.37	-79.3	391.4	564.5	546.9	17.58	32.109	
3,100.0	3,080.8	2,953.5	2,917.8	9.7	9.4	-139.16	-78.8	416.6	604.4	586.1	18.28	33.069	
3,200.0	3,179.2	3,044.9	3,005.7	10.1	9.8	-139.85	-78.4	441.8	644.3	625.3	18.98	33.941	
3,300.0	3,277.7	3,136.3	3,093.6	10.5	10.2	-140.46	-78.0	467.0	684.4	664.7	19.70	34.736	
3,400.0	3,376.2	3,227.7	3,181.4	10.9	10.6	-141.00	-77.5	492.2	724.5	704.1	20.43	35.461	
3,500.0	3,474.7	3,319.1	3,269.3	11.3	11.0	-141.48	-77.1	517.4	764.6	743.5	21.17	36.125	
3,600.0	3,573.2	3,410.5	3,357.1	11.7	11.4	-141.92	-76.6	542.5	804.8	782.9	21.91	36.733	
3,700.0	3,671.6	3,501.9	3,445.0	12.1	11.8	-142.32	-76.2	567.7	845.1	822.4	22.66	37.291	
3,800.0	3,770.1	3,593.3	3,532.9	12.6	12.2	-142.68	-75.8	592.9	885.3	861.9	23.42	37.805	
3,900.0	3,868.6	3,684.7	3,620.7	13.0	12.6	-143.00	-75.3	618.1	925.6	901.4	24.18	38.279	
4,000.0	3,967.1	3,776.1	3,708.6	13.4	13.1	-143.31	-74.9	643.3	965.9	941.0	24.95	38.717	

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

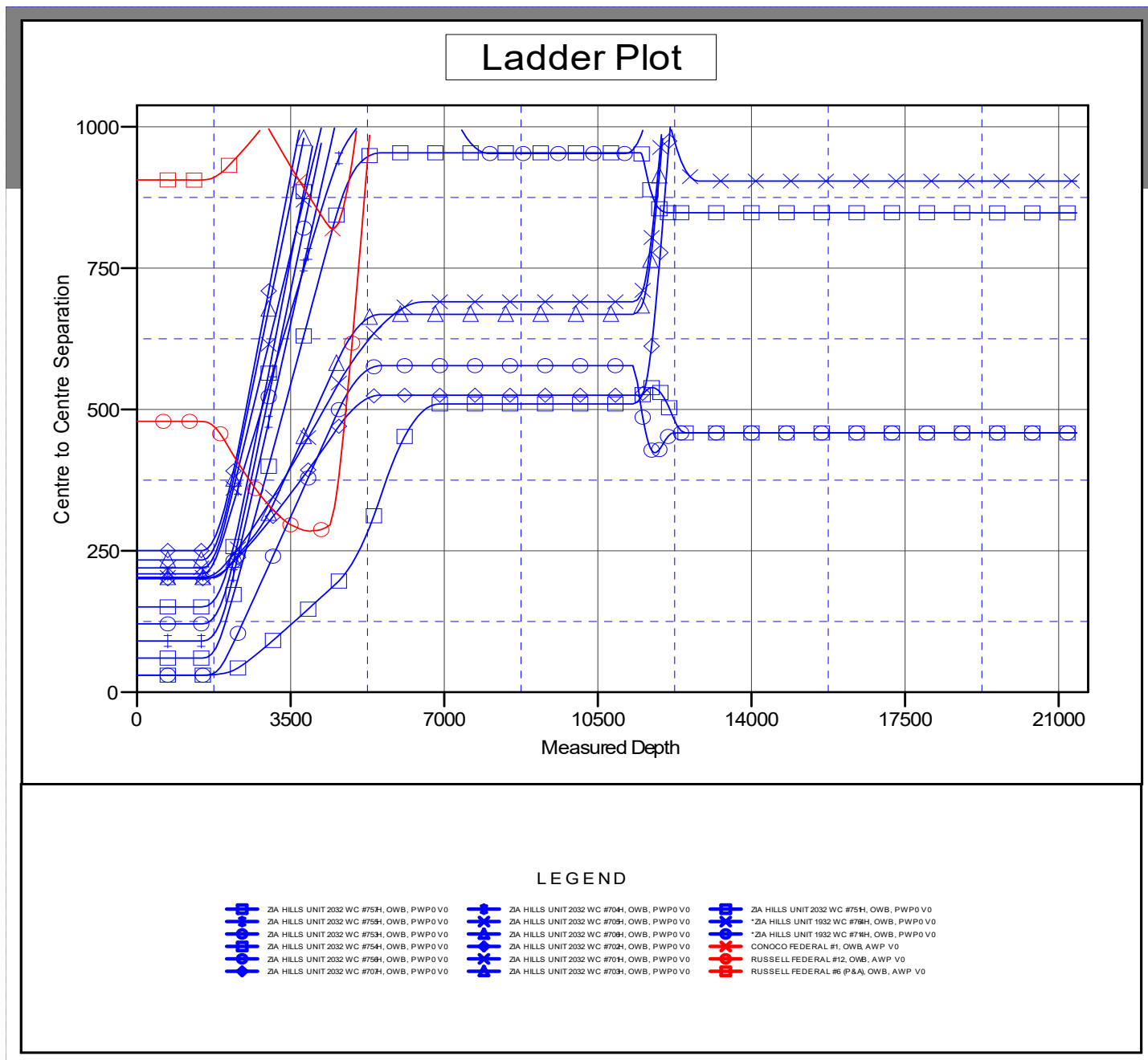
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #752H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.33°



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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 394906

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 394906
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	6/23/2025
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	6/23/2025