

Well Name: ZIA HILLS UNIT 2032 WC	Well Location: T26S / R32E / SEC 20 / NWSW / 32.0279241 / -103.7029398	County or Parish/State: LEA / NM
Well Number: 755H	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: 3002552542	Operator: CONOCOPHILLIPS COMPANY	

Notice of Intent

Sundry ID: 2816798

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/14/2024	Time Sundry Submitted: 10:19
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, 10632-21692 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 – 11225 ft. Production: 6.75 inch hole, 5.5 inch, 23#, P-110, BTC 0-11025 ft. 6.75 inch hole, 5.5 inch, 23#, W441, 11025 – 21693 ft. Also, ConocoPhillips requests a variance to allow for break testing as attached. Detailed contingency casing plan and procedure attached.

NOI Attachments

Procedure Description

- ZIA_HILLS_UNIT_2032_WC_755H_PWP0_AC_RPT_20241014101846.pdf
- ZIA_HILLS_UNIT_2032_WC_755H_PWP0_WPLOT_20241014101846.pdf
- ZIA_HILLS_UNIT_2032_WC_755H_PWP0_DIR_RPT_20241014101846.pdf
- COP_BOP_Break_Testing_Documentation_6_07_23_20241014101846.pdf
- ZIA_HILLS_UNIT_2032_WC_755H_revised_drilling_procedure_10_14_24_20241014101846.pdf

Received by OCD: 10/23/2024 7:56:17 AM

Page 2 of 84

Well Name: ZIA HILLS UNIT 2032 WC	Well Location: T26S / R32E / SEC 20 / NWSW / 32.0279241 / -103.7029398	County or Parish/State: LEA / NM
Well Number: 755H	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: 3002552542	Operator: CONOCOPHILLIPS COMPANY	

Conditions of Approval

Additional

SEC20_T26S_R32E_ZIA_HILLS_UNIT_2032_WC__Lea__CONOCOPHILLIPS_COMPANY_45587_JS_20241022095456.pdf
ZIA_HILLS_UNIT_2032_WC_755H_COAs_20241022095456.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 10:19 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
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

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

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

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

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Additional Remarks

8.75 inch hole, 7.625 inch, 29.7 P-110, W513, 3940 11225 ft.
Production: 6.75 inch hole, 5.5 inch, 23#, P-110, BTC 0-11025 ft.
6.75 inch hole, 5.5 inch, 23#, W441, 11025 21693 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 / 2581 FSL / 875 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0279241 / LONG: -103.7029398 (TVD: 0 feet, MD: 0 feet)
PPP: NESW / 2620 FSL / 1686 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0280368 / LONG: -103.7003228 (TVD: 11604 feet, MD: 11722 feet)
PPP: NENW / 1 FNL / 1686 FWL / TWSP: 26S / RANGE: 32E / SECTION: 29 / LAT: 32.020835 / LONG: -103.700328 (TVD: 11738 feet, MD: 14343 feet)
BHL: LOT 3 / 50 FSL / 1686 FWL / TWSP: 26S / RANGE: 32E / SECTION: 32 / LAT: 32.000355 / LONG: -103.7003006 (TVD: 11738 feet, MD: 21692 feet)

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 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	
6 3/4	0.0835	1580		2226		891	150	13.50				0.43	
Class 'H' tail cmt yld > 1.20				Capitan Reef est top XXXX.				MASP is within 10% of 5000psig, need exrta equip?					

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	ZIA HILLS UNIT 2032 WC 755H
SURFACE HOLE FOOTAGE:	2581'S & 875'W
BOTTOM HOLE FOOTAGE:	50'S & 1686'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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #755H

OWB

PWP0

Anticollision Report

25 January, 2023

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	11,339.3	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
11,339.3	21,692.9	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							
ODELL STATE							
ODELL STATE 54-1-6 LOV #2H - OWB - AWP	21,692.9	11,552.3	857.3	739.0	7.248	CC, ES, SF	
ZIA HILLS 20 FED COM PROJECT							
BUCK 20 FEDERAL #3H (P&A) - OWB - AWP	9,263.7	11,434.3	635.9	566.2	9.125	CC, ES, SF	
CONOCO A FEDERAL #2 - OWB - AWP						Out of range	
CONOCO FEDERAL #1 - OWB - AWP						Out of range	
RUSSELL FEDERAL #10 - OWB - AWP						Out of range	
RUSSELL FEDERAL #12 - OWB - AWP	1,439.6	1,442.8	546.6	508.8	14.480	CC	
RUSSELL FEDERAL #12 - OWB - AWP	1,600.0	1,602.9	548.4	505.8	12.888	ES	
RUSSELL FEDERAL #12 - OWB - AWP	3,900.0	3,861.3	983.5	840.7	6.887	SF	
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	4,466.1	4,378.0	360.5	191.4	2.132	CC, ES, SF	
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2						Out of range	
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP						Out of range	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	1,766.4	1,764.2	233.5	222.6	21.446	CC
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,800.0	1,797.1	233.6	222.6	21.270	ES
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	2,000.0	1,987.1	241.4	229.8	20.854	SF
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	1,908.3	1,907.3	212.9	201.7	18.854	CC, ES
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	2,000.0	1,994.3	214.8	203.3	18.597	SF
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,097.2	2,098.6	179.4	167.5	15.180	CC
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,100.0	2,101.4	179.4	167.5	15.171	ES
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,200.0	2,197.2	181.8	169.7	15.015	SF
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	2,791.4	2,774.8	184.2	170.3	13.207	CC
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	2,800.0	2,783.4	184.2	170.2	13.184	ES
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	4,500.0	4,464.1	263.6	238.8	10.638	SF
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	5,097.7	5,074.6	169.4	147.0	7.591	CC
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	11,339.3	11,313.2	171.8	139.4	5.295	ES, SF
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	2,140.8	2,110.4	199.9	187.4	15.900	CC, ES
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	5,400.0	5,362.8	291.4	252.7	7.540	SF
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	2,159.3	2,124.0	204.3	191.5	15.956	CC, ES
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	5,300.0	5,246.8	388.8	348.8	9.716	SF
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	1,500.0	1,498.0	120.6	110.5	11.888	CC, ES, SF
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	1,500.0	1,499.0	90.6	80.4	8.924	CC, ES, SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	1,500.0	1,500.0	60.4	50.2	5.951	CC, ES
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,692.9	21,595.5	847.7	689.4	5.355	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,500.0	1,500.0	30.3	20.1	2.985	CC
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,900.0	1,903.2	31.1	19.6	2.714	ES, SF
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	1,466.3	1,467.3	30.2	20.1	2.997	CC
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	2,100.0	2,095.9	31.3	18.9	2.514	ES, SF
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,466.3	1,467.3	60.4	50.3	5.992	CC
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	2,100.0	2,090.8	61.7	49.3	4.950	ES
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	2,200.0	2,189.1	63.5	50.6	4.901	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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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
ODELL STATE						
ODELL STATE 54-1-6 LOV #2H - OWB - AWP	21,692.9	11,552.3	857.3	739.0	7.248	CC, ES, SF
ZIA HILLS 20 FED COM PROJECT						
BUCK 20 FEDERAL #3H (P&A) - OWB - AWP	21,692.9	13,729.0				Out of Range @TD
CONOCO A FEDERAL #2 - OWB - AWP	21,692.9	4,317.0				Out of Range @TD
CONOCO FEDERAL #1 - OWB - AWP	21,692.9	4,327.0				Out of Range @TD
RUSSELL FEDERAL #10 - OWB - AWP	21,692.9	4,500.0				Out of Range @TD
RUSSELL FEDERAL #12 - OWB - AWP	21,692.9	4,335.0				Out of Range @TD
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	21,692.9	4,378.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2	21,692.9	11,450.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	21,692.9	21,734.7				Out of Range @TD
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	21,692.9	11,375.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	21,692.9	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	21,692.9	11,275.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	21,692.9	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	21,692.9	11,325.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	21,692.9	11,575.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	21,692.9	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,692.9	21,026.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	21,692.9	21,409.6				Out of Range @TD
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,692.9	21,595.5	847.7	689.4	5.355	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,692.9	21,829.6	458.4	297.8	2.854	
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	21,692.9	21,894.2	458.7	297.1	2.839	
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	21,692.9	21,747.4	848.0	682.8	5.135	

Offset Design: ODELL STATE - ODELL STATE 54-1-6 LOV #2H - OWB - AWP												Offset Site Error: 0.0 usft	
Survey Program: 30-MWD+HDGM										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	
21,400.0	11,738.0	11,470.7	11,442.4	79.1	40.7	-69.89	-10,304.1	1,643.9	999.5	894.0	105.53	9.471	
21,500.0	11,738.0	11,495.1	11,463.6	79.8	40.7	-71.28	-10,316.1	1,643.1	944.6	834.7	109.88	8.597	
21,600.0	11,738.0	11,525.0	11,489.1	80.6	40.8	-72.99	-10,331.8	1,642.3	896.0	781.8	114.25	7.843	
21,642.9	11,738.0	11,525.0	11,489.1	80.9	40.8	-72.99	-10,331.8	1,642.3	877.5	761.1	116.40	7.539	
21,692.9	11,738.0	11,552.3	11,511.7	81.2	40.9	-74.54	-10,347.0	1,641.8	857.3	739.0	118.28	7.248	CC, 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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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 - BUCK 20 FEDERAL #3H (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-GYD-CT-CMS, 8427-MWD - OWSG R1												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
8,500.0	8,421.2	11,438.7	9,204.9	23.9	43.6	89.46	62.7	1,446.5	993.7	939.9		53.80	18.469
8,600.0	8,521.2	11,438.1	9,204.9	23.9	43.6	89.41	63.2	1,446.5	919.1	863.3		55.85	16.458
8,700.0	8,621.2	11,437.5	9,204.9	23.9	43.6	89.36	63.8	1,446.4	849.7	791.6		58.15	14.614
8,800.0	8,721.2	11,436.9	9,204.9	24.0	43.6	89.31	64.4	1,446.4	787.0	726.3		60.66	12.973
8,900.0	8,821.2	11,436.4	9,204.9	24.0	43.6	89.25	65.0	1,446.4	732.5	669.2		63.29	11.574
9,000.0	8,921.2	11,435.8	9,204.9	24.1	43.6	89.20	65.5	1,446.4	688.4	622.6		65.81	10.459
9,100.0	9,021.2	11,435.2	9,204.9	24.1	43.5	89.15	66.1	1,446.4	656.6	588.7		67.94	9.665
9,200.0	9,121.2	11,434.6	9,204.9	24.1	43.5	89.10	66.7	1,446.4	639.0	569.7		69.32	9.219
9,263.7	9,184.9	11,434.3	9,204.9	24.2	43.5	89.07	67.0	1,446.4	635.9	566.2		69.68	9.125 CC, ES, SF
9,300.0	9,221.2	11,434.1	9,204.9	24.2	43.5	89.05	67.2	1,446.4	636.9	567.2		69.70	9.138
9,400.0	9,321.2	11,433.5	9,204.9	24.2	43.5	89.00	67.8	1,446.4	650.3	581.3		69.05	9.418
9,500.0	9,421.2	11,432.9	9,204.9	24.3	43.5	88.95	68.4	1,446.4	678.4	610.8		67.56	10.041
9,600.0	9,521.2	11,432.4	9,204.9	24.3	43.5	88.90	68.9	1,446.4	719.3	653.8		65.56	10.972
9,700.0	9,621.2	11,431.8	9,204.9	24.3	43.5	88.85	69.5	1,446.4	771.2	707.8		63.38	12.168
9,800.0	9,721.2	11,431.3	9,204.9	24.4	43.5	88.80	70.0	1,446.3	831.8	770.6		61.24	13.582
9,900.0	9,821.2	11,430.7	9,204.9	24.4	43.5	88.75	70.6	1,446.3	899.6	840.3		59.30	15.169
10,000.0	9,921.2	11,430.2	9,204.9	24.5	43.5	88.70	71.2	1,446.3	972.9	915.3		57.61	16.888

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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 - 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		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	3.1	3.1	3.0	3.0	-94.77	-45.5	-544.8	546.7	539.8	6.89	79.312	
100.0	100.0	103.1	103.1	3.1	3.1	-94.77	-45.5	-544.8	546.7	539.5	7.15	76.473	
200.0	200.0	203.1	203.1	3.2	3.5	-94.77	-45.5	-544.8	546.7	539.0	7.63	71.668	
300.0	300.0	303.1	303.1	3.4	4.1	-94.77	-45.5	-544.8	546.7	538.3	8.33	65.598	
400.0	400.0	403.1	403.1	3.5	5.5	-94.77	-45.5	-544.8	546.7	536.7	9.99	54.735	
441.5	441.5	444.6	444.6	3.5	6.1	-94.75	-45.3	-544.8	546.6	535.9	10.78	50.706	
500.0	500.0	503.1	503.1	3.6	7.0	-94.76	-45.3	-544.8	546.6	534.7	11.97	45.663	
600.0	600.0	603.1	603.1	3.7	8.7	-94.77	-45.5	-544.8	546.7	532.5	14.16	38.619	
700.0	700.0	703.1	703.1	3.9	10.5	-94.77	-45.5	-544.8	546.7	530.1	16.59	32.946	
734.1	734.1	737.2	737.2	3.9	11.2	-94.74	-45.2	-544.8	546.6	529.2	17.44	31.342	
800.0	800.0	803.0	803.0	4.0	12.4	-94.75	-45.2	-544.8	546.6	527.5	19.10	28.619	
900.0	900.0	903.1	903.1	4.1	14.3	-94.77	-45.5	-544.8	546.7	524.9	21.74	25.150	
1,000.0	1,000.0	1,003.1	1,003.1	4.2	16.4	-94.77	-45.5	-544.8	546.7	522.1	24.60	22.226	
1,031.5	1,031.5	1,034.6	1,034.5	4.3	17.1	-94.71	-44.9	-544.8	546.6	521.1	25.50	21.435	
1,100.0	1,100.0	1,102.9	1,102.9	4.3	18.5	-94.73	-45.1	-544.8	546.6	519.2	27.48	19.895	
1,200.0	1,200.0	1,203.2	1,203.1	4.5	20.7	-94.77	-45.5	-544.8	546.7	516.3	30.33	18.024	
1,300.0	1,300.0	1,303.2	1,303.1	4.6	22.9	-94.77	-45.5	-544.8	546.7	513.2	33.42	16.359	
1,400.0	1,400.0	1,403.2	1,403.1	4.7	25.2	-94.77	-45.5	-544.8	546.7	510.1	36.52	14.970	
1,439.6	1,439.6	1,442.8	1,442.7	4.7	26.1	-94.63	-44.1	-544.8	546.6	508.8	37.75	14.480 CC	
1,500.0	1,500.0	1,503.0	1,502.9	4.8	27.4	-94.65	-44.3	-544.8	546.6	506.9	39.62	13.796	
1,600.0	1,600.0	1,602.9	1,602.7	4.9	29.7	179.29	-44.9	-544.8	548.4	505.8	42.55	12.888 ES	
1,700.0	1,699.8	1,703.1	1,702.9	5.1	32.1	179.24	-45.5	-544.8	553.6	507.7	45.98	12.041	
1,800.0	1,799.5	1,802.6	1,802.4	5.3	34.8	179.30	-45.0	-544.8	562.3	512.6	49.74	11.306	
1,900.0	1,898.7	1,902.1	1,901.8	5.6	37.6	179.26	-45.5	-544.8	574.5	520.9	53.63	10.712	
2,000.0	1,997.5	2,000.3	2,000.0	5.9	40.5	179.33	-44.9	-544.8	590.1	532.3	57.78	10.213	
2,100.0	2,095.6	2,099.2	2,098.7	6.3	43.6	179.29	-45.5	-544.8	609.3	547.2	62.03	9.823	
2,200.0	2,193.4	2,196.9	2,196.4	6.5	46.6	179.43	-44.3	-544.8	630.0	563.7	66.24	9.510	
2,300.0	2,291.3	2,294.1	2,293.7	6.9	49.6	179.37	-45.1	-544.8	650.8	580.4	70.44	9.240	
2,400.0	2,389.1	2,392.8	2,392.2	7.2	52.6	179.36	-45.5	-544.8	671.6	596.9	74.76	8.983	
2,500.0	2,486.9	2,490.7	2,490.0	7.5	55.7	179.38	-45.5	-544.8	692.4	613.3	79.07	8.757	
2,600.0	2,584.7	2,588.3	2,587.6	7.9	58.8	179.60	-42.9	-544.8	713.0	629.6	83.38	8.551	
2,700.0	2,682.5	2,685.8	2,685.0	8.2	61.9	179.56	-43.6	-544.8	733.9	646.2	87.68	8.369	
2,800.0	2,780.3	2,783.2	2,782.4	8.6	64.9	179.45	-45.2	-544.8	754.8	662.8	91.99	8.205	
2,900.0	2,878.1	2,882.3	2,881.2	9.0	68.1	179.44	-45.5	-544.8	775.6	679.2	96.41	8.045	
3,000.0	2,976.0	2,980.0	2,978.9	9.4	71.2	179.56	-44.1	-544.8	796.3	695.5	100.77	7.901	
3,100.0	3,073.8	3,077.2	3,076.1	9.8	74.3	179.52	-44.8	-544.8	817.1	712.0	105.12	7.773	
3,200.0	3,171.6	3,176.0	3,174.7	10.2	77.6	179.49	-45.5	-544.8	837.9	728.1	109.81	7.631	
3,300.0	3,269.4	3,273.5	3,272.2	10.6	81.0	179.59	-44.2	-544.8	858.6	744.0	114.65	7.489	
3,400.0	3,367.2	3,370.3	3,369.0	11.0	84.5	179.51	-45.4	-544.8	879.5	760.1	119.46	7.363	
3,500.0	3,465.0	3,469.7	3,468.1	11.5	87.9	179.52	-45.5	-544.8	900.3	776.1	124.27	7.245	
3,600.0	3,562.8	3,567.3	3,565.7	11.9	91.2	179.67	-43.4	-544.8	921.0	792.0	128.99	7.140	
3,700.0	3,660.7	3,664.4	3,662.7	12.3	94.6	179.62	-44.2	-544.8	941.8	808.1	133.69	7.045	
3,800.0	3,758.5	3,763.5	3,761.6	12.8	97.9	179.55	-45.5	-544.8	962.7	824.3	138.37	6.957	
3,900.0	3,856.3	3,861.3	3,859.4	13.2	101.1	179.56	-45.5	-544.8	983.5	840.7	142.81	6.887 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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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 - 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		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	10.0	10.0	3.0	3.0	106.56	-233.5	785.2	819.2	812.2	6.98	117.326	
100.0	100.0	110.0	110.0	3.1	3.2	106.56	-233.5	785.2	819.2	812.1	7.11	115.184	
200.0	200.0	210.0	210.0	3.2	3.6	106.56	-233.5	785.2	819.2	811.6	7.64	107.260	
300.0	300.0	310.0	310.0	3.4	4.1	106.56	-233.5	785.2	819.2	810.9	8.35	98.087	
400.0	400.0	410.0	410.0	3.5	4.8	106.56	-233.5	785.2	819.2	810.0	9.21	88.983	
500.0	500.0	510.0	510.0	3.6	5.7	106.56	-233.5	785.2	819.2	809.0	10.26	79.846	
600.0	600.0	610.0	610.0	3.7	7.4	106.56	-233.5	785.2	819.2	806.8	12.38	66.171	
700.0	700.0	710.0	710.0	3.9	9.1	106.56	-233.5	785.2	819.2	804.5	14.69	55.779	
741.4	741.4	751.4	751.4	3.9	9.9	106.53	-233.0	785.2	819.1	803.4	15.67	52.253	
800.0	800.0	809.8	809.8	4.0	10.9	106.53	-233.0	785.2	819.1	802.0	17.09	47.914	
900.0	900.0	909.4	909.4	4.1	12.8	106.54	-233.2	785.2	819.1	799.6	19.56	41.870	
1,000.0	1,000.0	1,010.0	1,010.0	4.2	14.7	106.56	-233.5	785.2	819.2	797.2	22.03	37.182	
1,100.0	1,100.0	1,110.0	1,110.0	4.3	16.8	106.56	-233.5	785.2	819.2	794.3	24.94	32.847	
1,200.0	1,200.0	1,210.0	1,210.0	4.5	18.9	106.56	-233.5	785.2	819.2	791.3	27.87	29.390	
1,241.4	1,241.4	1,251.4	1,251.4	4.5	19.8	106.51	-232.7	785.2	819.0	789.9	29.09	28.150	
1,300.0	1,300.0	1,309.7	1,309.6	4.6	21.1	106.51	-232.8	785.2	819.0	788.2	30.82	26.576	
1,400.0	1,400.0	1,409.1	1,409.0	4.7	23.2	106.53	-233.0	785.2	819.1	785.3	33.77	24.258	
1,500.0	1,500.0	1,510.1	1,510.0	4.8	25.4	106.56	-233.5	785.2	819.2	782.4	36.83	22.241	
1,600.0	1,600.0	1,610.1	1,610.0	4.9	28.0	20.62	-233.5	785.2	817.6	777.3	40.24	20.320	
1,700.0	1,699.8	1,708.7	1,708.5	5.1	30.6	20.73	-232.8	785.2	812.5	768.7	43.81	18.544	
1,800.0	1,799.5	1,809.7	1,809.5	5.3	33.2	21.06	-233.5	785.2	804.5	757.0	47.51	16.936	
1,900.0	1,898.7	1,909.0	1,908.7	5.6	35.9	21.46	-233.5	785.2	793.2	742.0	51.21	15.489	
2,000.0	1,997.5	2,007.7	2,007.4	5.9	38.5	21.86	-231.7	785.2	778.0	723.1	54.90	14.172	
2,100.0	2,095.6	2,104.1	2,103.7	6.3	41.1	22.55	-232.1	785.2	760.5	702.0	58.51	12.997	
2,200.0	2,193.4	2,200.1	2,199.8	6.5	43.6	23.23	-233.2	785.2	741.6	679.5	62.10	11.943	
2,300.0	2,291.3	2,301.7	2,301.3	6.9	46.2	23.93	-233.5	785.2	722.6	656.9	65.71	10.997	
2,400.0	2,389.1	2,398.4	2,397.9	7.2	48.6	24.55	-232.8	785.2	703.3	634.2	69.11	10.178	
2,500.0	2,486.9	2,497.4	2,496.9	7.5	51.2	25.34	-233.5	785.2	684.7	612.0	72.69	9.419	
2,600.0	2,584.7	2,595.1	2,594.5	7.9	54.0	26.04	-232.8	785.2	665.6	588.9	76.66	8.682	
2,700.0	2,682.5	2,690.2	2,689.6	8.2	56.8	26.87	-233.4	785.2	647.1	566.6	80.54	8.035	
2,800.0	2,780.3	2,791.0	2,790.3	8.6	59.9	27.76	-233.5	785.2	628.6	543.7	84.93	7.401	
2,900.0	2,878.1	2,884.4	2,883.6	9.0	62.8	28.59	-233.2	785.2	610.1	521.0	89.03	6.853	
3,000.0	2,976.0	2,986.8	2,986.0	9.4	65.8	29.63	-233.5	785.2	591.9	498.8	93.17	6.353	
3,100.0	3,073.8	3,084.6	3,083.8	9.8	68.5	30.65	-233.5	785.2	573.9	476.8	97.07	5.912	
3,200.0	3,171.6	3,181.9	3,181.0	10.2	71.3	31.53	-231.4	785.2	555.0	454.0	100.95	5.498	
3,300.0	3,269.4	3,278.1	3,277.2	10.6	74.0	32.71	-231.9	785.2	537.5	432.7	104.78	5.130	
3,400.0	3,367.2	3,374.3	3,373.3	11.0	76.8	34.03	-233.1	785.2	520.6	412.0	108.61	4.794	
3,500.0	3,465.0	3,476.2	3,475.0	11.5	80.2	35.44	-233.5	785.2	503.6	390.3	113.37	4.442	
3,600.0	3,562.8	3,574.0	3,572.8	11.9	83.6	36.85	-233.5	785.2	486.7	368.5	118.17	4.119	
3,700.0	3,660.7	3,670.4	3,669.2	12.3	87.0	38.20	-232.2	785.2	469.4	346.5	122.91	3.819	
3,800.0	3,758.5	3,766.3	3,765.1	12.8	90.4	39.87	-233.1	785.2	453.6	326.0	127.61	3.555	
3,900.0	3,856.3	3,867.8	3,866.3	13.2	95.0	41.70	-233.5	785.2	438.0	303.9	134.04	3.267	
4,000.0	3,954.1	3,965.7	3,964.1	13.6	99.8	43.56	-233.5	785.2	422.5	281.7	140.78	3.001	
4,100.0	4,051.9	4,060.7	4,059.0	14.1	104.5	45.21	-231.0	785.2	405.9	258.5	147.33	2.755	
4,200.0	4,149.7	4,154.8	4,153.1	14.5	109.2	47.45	-232.7	785.2	392.6	238.8	153.80	2.553	
4,300.0	4,247.5	4,260.1	4,257.5	15.0	114.7	49.98	-233.5	785.2	379.2	217.7	161.53	2.348	
4,400.0	4,345.4	4,349.9	4,347.2	15.4	119.6	52.14	-232.7	785.2	365.5	197.2	168.25	2.172	
4,466.1	4,410.0	4,378.0	4,374.8	15.7	121.1	52.95	-233.5	785.2	360.5	191.4	169.10	2.132 CC, ES, SF	
4,500.0	4,443.2	4,378.0	4,374.8	15.9	121.1	52.95	-233.5	785.2	362.1	195.6	166.49	2.175	
4,600.0	4,541.0	4,378.0	4,374.8	16.3	121.1	52.95	-233.5	785.2	384.6	232.6	151.99	2.530	
4,700.0	4,638.8	4,378.0	4,374.8	16.8	121.1	52.95	-233.5	785.2	429.8	297.4	132.32	3.248	
4,800.0	4,736.6	4,378.0	4,374.8	17.2	121.1	52.95	-233.5	785.2	491.4	378.4	113.04	4.347	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.0	4,834.4	4,378.0	4,374.8	17.7	121.1	52.95	-233.5	785.2	564.2	467.5	96.64	5.838		
5,000.0	4,932.3	4,378.0	4,374.8	18.1	121.1	52.95	-233.5	785.2	644.2	560.7	83.50	7.715		
5,100.0	5,030.1	4,378.0	4,374.8	18.6	121.1	52.95	-233.5	785.2	729.3	656.1	73.21	9.961		
5,105.0	5,035.0	4,378.0	4,374.8	18.6	121.1	52.95	-233.5	785.2	733.7	660.9	72.76	10.083		
5,200.0	5,128.0	4,378.0	4,374.8	19.0	121.1	54.42	-233.5	785.2	817.9	752.7	65.22	12.540		
5,300.0	5,226.3	4,378.0	4,374.8	19.5	121.1	56.28	-233.5	785.2	909.3	850.3	59.02	15.407		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	2.50	234.6	10.2	234.8	227.8	6.98	33.634		
100.0	100.0	98.0	98.0	3.1	3.1	2.50	234.6	10.2	234.8	227.6	7.22	32.502		
200.0	200.0	198.0	198.0	3.2	3.2	2.50	234.6	10.2	234.8	227.3	7.47	31.425		
300.0	300.0	298.0	298.0	3.4	3.4	2.50	234.6	10.2	234.8	227.1	7.72	30.431		
400.0	400.0	398.0	398.0	3.5	3.5	2.50	234.6	10.2	234.8	226.8	7.96	29.504		
500.0	500.0	498.0	498.0	3.6	3.6	2.50	234.6	10.2	234.8	226.6	8.20	28.637		
600.0	600.0	598.0	598.0	3.7	3.7	2.50	234.6	10.2	234.8	226.3	8.44	27.824		
700.0	700.0	698.0	698.0	3.9	3.9	2.50	234.6	10.2	234.8	226.1	8.68	27.059		
800.0	800.0	798.0	798.0	4.0	4.0	2.50	234.6	10.2	234.8	225.9	8.91	26.339		
900.0	900.0	898.0	898.0	4.1	4.1	2.50	234.6	10.2	234.8	225.6	9.15	25.658		
1,000.0	1,000.0	998.0	998.0	4.2	4.2	2.50	234.6	10.2	234.8	225.4	9.39	25.014		
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	2.50	234.6	10.2	234.8	225.2	9.62	24.404		
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	2.50	234.6	10.2	234.8	224.9	9.85	23.824		
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	2.50	234.6	10.2	234.8	224.7	10.09	23.273		
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	2.50	234.6	10.2	234.8	224.5	10.32	22.749		
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	2.50	234.6	10.2	234.8	224.2	10.55	22.248		
1,600.0	1,600.0	1,598.7	1,598.6	4.9	4.9	-84.35	234.5	8.5	234.4	224.0	10.41	22.520		
1,700.0	1,699.8	1,698.6	1,698.4	5.1	5.1	-86.90	234.2	3.4	233.7	223.0	10.70	21.842		
1,766.4	1,766.0	1,764.2	1,763.8	5.2	5.2	-89.50	233.9	-1.9	233.5	222.6	10.89	21.446 CC		
1,800.0	1,799.5	1,797.1	1,796.6	5.3	5.3	-91.08	233.8	-5.1	233.6	222.6	10.98	21.270 ES		
1,900.0	1,898.7	1,893.5	1,892.2	5.6	5.6	-96.68	233.1	-16.7	235.5	224.2	11.26	20.908		
2,000.0	1,997.5	1,987.1	1,984.8	5.9	5.9	-103.35	232.4	-31.0	241.4	229.8	11.57	20.854 SF		
2,100.0	2,095.6	2,077.5	2,073.6	6.3	6.2	-110.54	231.5	-47.7	253.2	241.3	11.96	21.177		
2,200.0	2,193.4	2,168.0	2,162.2	6.5	6.5	-117.96	230.5	-66.4	271.5	259.1	12.43	21.855		
2,300.0	2,291.3	2,259.4	2,251.5	6.9	6.7	-124.54	229.5	-85.4	294.4	281.4	12.96	22.707		
2,400.0	2,389.1	2,350.8	2,340.9	7.2	7.0	-130.21	228.6	-104.3	320.8	307.2	13.56	23.650		
2,500.0	2,486.9	2,442.1	2,430.3	7.5	7.3	-135.05	227.6	-123.3	349.9	335.7	14.21	24.627		
2,600.0	2,584.7	2,533.5	2,519.6	7.9	7.6	-139.18	226.6	-142.3	381.2	366.3	14.89	25.601		
2,700.0	2,682.5	2,624.8	2,609.0	8.2	8.0	-142.72	225.6	-161.2	414.1	398.5	15.60	26.549		
2,800.0	2,780.3	2,716.2	2,698.3	8.6	8.3	-145.75	224.6	-180.2	448.3	431.9	16.33	27.457		
2,900.0	2,878.1	2,807.5	2,787.7	9.0	8.7	-148.37	223.6	-199.2	483.5	466.4	17.07	28.320		
3,000.0	2,976.0	2,898.9	2,877.1	9.4	9.0	-150.64	222.6	-218.1	519.4	501.6	17.83	29.132		
3,100.0	3,073.8	2,990.2	2,966.4	9.8	9.4	-152.63	221.6	-237.1	556.1	537.5	18.60	29.894		
3,200.0	3,171.6	3,081.6	3,055.8	10.2	9.7	-154.38	220.6	-256.1	593.2	573.9	19.38	30.608		
3,300.0	3,269.4	3,173.0	3,145.1	10.6	10.1	-155.92	219.6	-275.1	630.8	610.7	20.17	31.275		
3,400.0	3,367.2	3,264.3	3,234.5	11.0	10.5	-157.30	218.6	-294.0	668.8	647.8	20.97	31.898		
3,500.0	3,465.0	3,355.7	3,323.8	11.5	10.9	-158.53	217.6	-313.0	707.0	685.3	21.77	32.479		
3,600.0	3,562.8	3,447.0	3,413.2	11.9	11.2	-159.64	216.6	-332.0	745.5	723.0	22.58	33.023		
3,700.0	3,660.7	3,538.4	3,502.6	12.3	11.6	-160.64	215.6	-350.9	784.3	760.9	23.39	33.530		
3,800.0	3,758.5	3,629.7	3,591.9	12.8	12.0	-161.55	214.6	-369.9	823.2	799.0	24.21	34.006		
3,900.0	3,856.3	3,721.1	3,681.3	13.2	12.4	-162.37	213.6	-388.9	862.3	837.2	25.03	34.451		
4,000.0	3,954.1	3,812.4	3,770.6	13.6	12.8	-163.13	212.7	-407.8	901.5	875.6	25.85	34.868		
4,100.0	4,051.9	3,903.8	3,860.0	14.1	13.2	-163.82	211.7	-426.8	940.8	914.1	26.68	35.259		
4,200.0	4,149.7	3,995.2	3,949.4	14.5	13.6	-164.46	210.7	-445.8	980.3	952.8	27.52	35.627		

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	Offset	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	9.22	217.8	35.3	220.7	213.7	6.98	31.614	
100.0	100.0	98.0	98.0	3.1	3.1	9.22	217.8	35.3	220.7	213.5	7.22	30.550	
200.0	200.0	198.0	198.0	3.2	3.2	9.22	217.8	35.3	220.7	213.2	7.47	29.538	
300.0	300.0	298.0	298.0	3.4	3.4	9.22	217.8	35.3	220.7	213.0	7.71	28.606	
400.0	400.0	398.0	398.0	3.5	3.5	9.22	217.8	35.3	220.7	212.7	7.96	27.736	
500.0	500.0	498.0	498.0	3.6	3.6	9.22	217.8	35.3	220.7	212.5	8.20	26.923	
600.0	600.0	598.0	598.0	3.7	3.7	9.22	217.8	35.3	220.7	212.2	8.44	26.161	
700.0	700.0	698.0	698.0	3.9	3.9	9.22	217.8	35.3	220.7	212.0	8.67	25.445	
800.0	800.0	798.0	798.0	4.0	4.0	9.22	217.8	35.3	220.7	211.8	8.91	24.770	
900.0	900.0	898.0	898.0	4.1	4.1	9.22	217.8	35.3	220.7	211.5	9.14	24.132	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	9.22	217.8	35.3	220.7	211.3	9.38	23.529	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	9.22	217.8	35.3	220.7	211.1	9.61	22.957	
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	9.22	217.8	35.3	220.7	210.8	9.85	22.415	
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	9.22	217.8	35.3	220.7	210.6	10.08	21.899	
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	9.22	217.8	35.3	220.7	210.4	10.31	21.408	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	9.22	217.8	35.3	220.7	210.1	10.54	20.939	
1,600.0	1,600.0	1,600.2	1,600.1	4.9	4.9	-77.69	217.6	33.6	219.8	209.4	10.41	21.112	
1,700.0	1,699.8	1,701.6	1,701.5	5.1	5.1	-80.45	216.8	28.3	217.4	206.7	10.72	20.290	
1,800.0	1,799.5	1,801.6	1,801.0	5.3	5.3	-85.06	215.6	19.6	214.6	203.6	11.00	19.503	
1,900.0	1,898.7	1,899.4	1,898.1	5.6	5.6	-91.42	214.0	7.8	213.0	201.7	11.27	18.893	
1,908.3	1,906.9	1,907.3	1,906.0	5.6	5.6	-92.02	213.8	6.7	212.9	201.7	11.29	18.854 CC, ES	
2,000.0	1,997.5	1,994.3	1,991.9	5.9	5.9	-99.21	211.9	-6.8	214.8	203.3	11.55	18.597 SF	
2,100.0	2,095.6	2,087.6	2,083.8	6.3	6.1	-107.67	209.7	-22.8	222.5	210.6	11.90	18.698	
2,200.0	2,193.4	2,180.4	2,175.1	6.5	6.4	-115.91	207.4	-38.8	236.2	223.8	12.34	19.146	
2,300.0	2,291.3	2,273.1	2,266.4	6.9	6.7	-123.22	205.2	-54.7	254.7	241.8	12.86	19.806	
2,400.0	2,389.1	2,365.8	2,357.7	7.2	7.0	-129.55	202.9	-70.7	277.0	263.6	13.45	20.592	
2,500.0	2,486.9	2,458.5	2,449.0	7.5	7.3	-134.96	200.7	-86.6	302.3	288.2	14.10	21.441	
2,600.0	2,584.7	2,551.3	2,540.4	7.9	7.6	-139.56	198.5	-102.5	330.0	315.2	14.79	22.313	
2,700.0	2,682.5	2,644.0	2,631.7	8.2	7.9	-143.47	196.2	-118.5	359.4	343.9	15.51	23.180	
2,800.0	2,780.3	2,736.7	2,723.0	8.6	8.3	-146.80	194.0	-134.4	390.2	374.0	16.24	24.023	
2,900.0	2,878.1	2,829.5	2,814.3	9.0	8.6	-149.66	191.7	-150.4	422.1	405.1	17.00	24.834	
3,000.0	2,976.0	2,922.2	2,905.6	9.4	9.0	-152.13	189.5	-166.3	454.8	437.1	17.76	25.606	
3,100.0	3,073.8	3,014.9	2,997.0	9.8	9.3	-154.28	187.2	-182.3	488.2	469.7	18.54	26.336	
3,200.0	3,171.6	3,107.6	3,088.3	10.2	9.7	-156.15	185.0	-198.2	522.2	502.9	19.32	27.024	
3,300.0	3,269.4	3,200.4	3,179.6	10.6	10.0	-157.81	182.8	-214.2	556.6	536.5	20.11	27.671	
3,400.0	3,367.2	3,293.1	3,270.9	11.0	10.4	-159.27	180.5	-230.1	591.3	570.4	20.91	28.278	
3,500.0	3,465.0	3,385.8	3,362.2	11.5	10.8	-160.57	178.3	-246.1	626.4	604.7	21.71	28.848	
3,600.0	3,562.8	3,478.5	3,453.5	11.9	11.2	-161.74	176.0	-262.0	661.8	639.2	22.52	29.382	
3,700.0	3,660.7	3,571.3	3,544.9	12.3	11.5	-162.79	173.8	-277.9	697.3	674.0	23.33	29.883	
3,800.0	3,758.5	3,664.0	3,636.2	12.8	11.9	-163.74	171.6	-293.9	733.1	708.9	24.15	30.353	
3,900.0	3,856.3	3,756.7	3,727.5	13.2	12.3	-164.60	169.3	-309.8	769.0	744.0	24.97	30.795	
4,000.0	3,954.1	3,849.5	3,818.8	13.6	12.7	-165.39	167.1	-325.8	805.0	779.2	25.79	31.210	
4,100.0	4,051.9	3,942.2	3,910.1	14.1	13.1	-166.11	164.8	-341.7	841.2	814.5	26.62	31.601	
4,200.0	4,149.7	4,034.9	4,001.5	14.5	13.5	-166.77	162.6	-357.7	877.4	850.0	27.44	31.982	
4,300.0	4,247.5	4,142.1	4,107.2	15.0	13.9	-167.45	160.1	-375.3	913.2	884.8	28.37	32.187	
4,400.0	4,345.4	4,253.2	4,217.0	15.4	14.4	-168.06	157.8	-391.6	947.3	917.9	29.34	32.284	
4,500.0	4,443.2	4,365.8	4,328.7	15.9	14.8	-168.60	155.8	-405.9	979.6	949.3	30.30	32.327	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	16.76	201.1	60.5	210.0	203.0	6.98	30.082	
100.0	100.0	99.0	99.0	3.1	3.1	16.76	201.1	60.5	210.0	202.8	7.23	29.062	
200.0	200.0	199.0	199.0	3.2	3.2	16.76	201.1	60.5	210.0	202.5	7.47	28.107	
300.0	300.0	299.0	299.0	3.4	3.4	16.76	201.1	60.5	210.0	202.3	7.71	27.223	
400.0	400.0	399.0	399.0	3.5	3.5	16.76	201.1	60.5	210.0	202.0	7.95	26.400	
500.0	500.0	499.0	499.0	3.6	3.6	16.76	201.1	60.5	210.0	201.8	8.19	25.632	
600.0	600.0	599.0	599.0	3.7	3.7	16.76	201.1	60.5	210.0	201.6	8.43	24.912	
700.0	700.0	699.0	699.0	3.9	3.9	16.76	201.1	60.5	210.0	201.3	8.67	24.235	
800.0	800.0	799.0	799.0	4.0	4.0	16.76	201.1	60.5	210.0	201.1	8.90	23.598	
900.0	900.0	899.0	899.0	4.1	4.1	16.76	201.1	60.5	210.0	200.9	9.13	22.996	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	16.76	201.1	60.5	210.0	200.6	9.36	22.428	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	16.76	201.1	60.5	210.0	200.4	9.59	21.889	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	16.76	201.1	60.5	210.0	200.2	9.82	21.377	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	16.76	201.1	60.5	210.0	199.9	10.05	20.891	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	16.76	201.1	60.5	210.0	199.7	10.28	20.428	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	16.76	201.1	60.5	210.0	199.5	10.51	19.987	
1,600.0	1,600.0	1,604.6	1,604.5	4.9	5.0	-70.11	200.1	58.9	208.1	197.6	10.44	19.931	
1,700.0	1,699.8	1,709.4	1,709.2	5.1	5.2	-72.79	197.1	54.0	202.5	191.7	10.80	18.754	
1,800.0	1,799.5	1,810.0	1,809.4	5.3	5.3	-77.19	192.8	46.7	194.5	183.5	11.03	17.636	
1,900.0	1,898.7	1,907.9	1,907.0	5.6	5.5	-82.91	188.4	39.4	187.0	175.7	11.31	16.532	
2,000.0	1,997.5	2,005.1	2,003.8	5.9	5.7	-89.97	184.0	32.2	181.5	169.9	11.57	15.683	
2,097.2	2,092.8	2,098.6	2,097.0	6.2	5.9	-97.98	179.8	25.2	179.4	167.5	11.82	15.180 CC	
2,100.0	2,095.6	2,101.4	2,099.7	6.3	5.9	-98.23	179.7	25.0	179.4	167.5	11.82	15.171 ES	
2,200.0	2,193.4	2,197.2	2,195.2	6.5	6.2	-106.91	175.4	17.8	181.8	169.7	12.11	15.015 SF	
2,300.0	2,291.3	2,293.0	2,290.6	6.9	6.4	-115.19	171.1	10.6	188.5	176.1	12.46	15.134	
2,400.0	2,389.1	2,388.8	2,386.1	7.2	6.7	-122.80	166.8	3.5	199.2	186.3	12.89	15.448	
2,500.0	2,486.9	2,484.7	2,481.6	7.5	7.0	-129.58	162.5	-3.7	213.2	199.8	13.42	15.891	
2,600.0	2,584.7	2,580.5	2,577.0	7.9	7.3	-135.49	158.2	-10.8	229.9	215.9	14.01	16.411	
2,700.0	2,682.5	2,676.5	2,672.6	8.2	7.5	-140.61	153.9	-18.0	248.8	234.2	14.62	17.016	
2,800.0	2,780.3	2,774.6	2,770.4	8.6	7.8	-144.91	150.0	-24.5	268.9	253.6	15.29	17.587	
2,900.0	2,878.1	2,873.6	2,869.2	9.0	8.1	-148.35	146.9	-29.6	289.4	273.4	15.99	18.098	
3,000.0	2,976.0	2,973.4	2,969.0	9.4	8.4	-151.08	144.7	-33.2	309.8	293.1	16.69	18.560	
3,100.0	3,073.8	3,074.0	3,069.5	9.8	8.7	-153.24	143.4	-35.4	329.7	312.3	17.38	18.969	
3,200.0	3,171.6	3,175.0	3,170.6	10.2	8.8	-154.93	143.0	-36.0	348.9	330.9	18.00	19.386	
3,300.0	3,269.4	3,272.8	3,268.4	10.6	8.9	-156.29	143.0	-36.0	367.9	349.4	18.57	19.815	
3,400.0	3,367.2	3,370.7	3,366.2	11.0	9.0	-157.53	143.0	-36.0	387.1	368.0	19.16	20.208	
3,500.0	3,465.0	3,468.5	3,464.0	11.5	9.0	-158.64	143.0	-36.0	406.5	386.7	19.75	20.582	
3,600.0	3,562.8	3,566.3	3,561.8	11.9	9.1	-159.66	143.0	-36.0	426.0	405.6	20.34	20.938	
3,700.0	3,660.7	3,664.1	3,659.7	12.3	9.2	-160.59	143.0	-36.0	445.6	424.6	20.94	21.277	
3,800.0	3,758.5	3,761.9	3,757.5	12.8	9.3	-161.44	143.0	-36.0	465.3	443.7	21.54	21.598	
3,900.0	3,856.3	3,859.7	3,855.3	13.2	9.3	-162.22	143.0	-36.0	485.1	462.9	22.15	21.904	
4,000.0	3,954.1	3,957.5	3,953.1	13.6	9.4	-162.94	143.0	-36.0	504.9	482.2	22.75	22.194	
4,100.0	4,051.9	4,055.4	4,050.9	14.1	9.5	-163.60	143.0	-36.0	524.9	501.5	23.36	22.469	
4,200.0	4,149.7	4,153.2	4,148.7	14.5	9.6	-164.22	143.0	-36.0	544.9	520.9	23.97	22.730	
4,300.0	4,247.5	4,251.0	4,246.5	15.0	9.6	-164.79	143.0	-36.0	565.0	540.4	24.59	22.979	
4,400.0	4,345.4	4,348.8	4,344.4	15.4	9.7	-165.32	143.0	-36.0	585.1	559.9	25.20	23.215	
4,500.0	4,443.2	4,446.6	4,442.2	15.9	9.8	-165.82	143.0	-36.0	605.3	579.4	25.82	23.440	
4,600.0	4,541.0	4,544.4	4,540.0	16.3	9.9	-166.29	143.0	-36.0	625.5	599.0	26.44	23.654	
4,700.0	4,638.8	4,642.3	4,637.8	16.8	9.9	-166.72	143.0	-36.0	645.7	618.6	27.06	23.858	
4,800.0	4,736.6	4,740.1	4,735.6	17.2	10.0	-167.13	143.0	-36.0	666.0	638.3	27.69	24.052	
4,900.0	4,834.4	4,837.9	4,833.4	17.7	10.1	-167.52	143.0	-36.0	686.3	658.0	28.32	24.237	
5,000.0	4,932.3	4,935.7	4,931.3	18.1	10.2	-167.88	143.0	-36.0	706.6	677.7	28.94	24.413	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
5,100.0	5,030.1	5,033.5	5,029.1	18.6	10.2	-168.23		143.0	-36.0	727.0	697.4	29.58	24.579
5,105.0	5,035.0	5,038.4	5,034.0	18.6	10.3	-168.24		143.0	-36.0	728.0	698.4	29.61	24.587
5,200.0	5,128.0	5,131.5	5,127.0	19.0	10.3	-168.58		143.0	-36.0	746.6	716.4	30.20	24.722
5,300.0	5,226.3	5,229.8	5,225.3	19.5	10.4	-168.89		143.0	-36.0	764.6	733.8	30.82	24.811
5,400.0	5,325.0	5,328.4	5,324.0	19.9	10.5	-169.15		143.0	-36.0	780.9	749.4	31.42	24.852
5,500.0	5,423.8	5,427.3	5,422.8	20.4	10.6	-169.38		143.0	-36.0	795.5	763.5	32.01	24.849
5,600.0	5,523.0	5,526.4	5,522.0	20.8	10.6	-169.58		143.0	-36.0	808.4	775.8	32.59	24.805
5,700.0	5,622.3	5,625.8	5,621.3	21.2	10.7	-169.74		143.0	-36.0	819.6	786.5	33.15	24.723
5,800.0	5,721.9	5,725.3	5,720.9	21.6	10.8	-169.88		143.0	-36.0	829.1	795.4	33.70	24.607
5,900.0	5,821.5	5,825.0	5,820.5	22.0	10.9	-169.98		143.0	-36.0	837.0	802.7	34.22	24.460
6,000.0	5,921.3	5,924.8	5,920.3	22.3	10.9	-170.07		143.0	-36.0	843.1	808.3	34.71	24.287
6,100.0	6,021.2	6,024.7	6,020.2	22.6	11.0	-170.13		143.0	-36.0	847.4	812.3	35.18	24.092
6,200.0	6,121.2	6,124.7	6,120.2	22.9	11.1	-170.16		143.0	-36.0	850.1	814.5	35.59	23.884
6,300.0	6,221.2	6,224.6	6,220.2	23.1	11.2	-170.18		143.0	-36.0	851.1	815.2	35.84	23.748
6,305.0	6,226.2	6,229.7	6,225.2	23.1	11.2	-84.18		143.0	-36.0	851.1	815.2	35.85	23.740
6,400.0	6,321.2	6,324.6	6,320.2	23.1	11.3	-84.18		143.0	-36.0	851.1	815.1	35.93	23.685
6,500.0	6,421.2	6,424.6	6,420.2	23.2	11.3	-84.18		143.0	-36.0	851.1	815.0	36.02	23.625
6,600.0	6,521.2	6,524.6	6,520.2	23.2	11.4	-84.18		143.0	-36.0	851.1	814.9	36.11	23.565
6,700.0	6,621.2	6,624.6	6,620.2	23.2	11.5	-84.18		143.0	-36.0	851.1	814.8	36.21	23.505
6,800.0	6,721.2	6,724.6	6,720.2	23.3	11.6	-84.18		143.0	-36.0	851.1	814.8	36.30	23.446
6,900.0	6,821.2	6,824.6	6,820.2	23.3	11.7	-84.18		143.0	-36.0	851.1	814.7	36.39	23.386
7,000.0	6,921.2	6,924.6	6,920.2	23.3	11.7	-84.18		143.0	-36.0	851.1	814.6	36.49	23.326
7,100.0	7,021.2	7,024.6	7,020.2	23.4	11.8	-84.18		143.0	-36.0	851.1	814.5	36.58	23.266
7,200.0	7,121.2	7,124.6	7,120.2	23.4	11.9	-84.18		143.0	-36.0	851.1	814.4	36.67	23.206
7,300.0	7,221.2	7,224.6	7,220.2	23.4	12.0	-84.18		143.0	-36.0	851.1	814.3	36.77	23.146
7,400.0	7,321.2	7,324.6	7,320.2	23.5	12.1	-84.18		143.0	-36.0	851.1	814.2	36.86	23.086
7,500.0	7,421.2	7,424.6	7,420.2	23.5	12.1	-84.18		143.0	-36.0	851.1	814.1	36.96	23.026
7,600.0	7,521.2	7,524.6	7,520.2	23.5	12.2	-84.18		143.0	-36.0	851.1	814.0	37.06	22.966
7,700.0	7,621.2	7,624.6	7,620.2	23.6	12.3	-84.18		143.0	-36.0	851.1	813.9	37.15	22.906
7,800.0	7,721.2	7,724.6	7,720.2	23.6	12.4	-84.18		143.0	-36.0	851.1	813.8	37.25	22.847
7,900.0	7,821.2	7,824.6	7,820.2	23.6	12.4	-84.18		143.0	-36.0	851.1	813.7	37.35	22.787
8,000.0	7,921.2	7,924.6	7,920.2	23.7	12.5	-84.18		143.0	-36.0	851.1	813.6	37.45	22.727
8,100.0	8,021.2	8,024.6	8,020.2	23.7	12.6	-84.18		143.0	-36.0	851.1	813.5	37.55	22.667
8,200.0	8,121.2	8,124.6	8,120.2	23.8	12.7	-84.18		143.0	-36.0	851.1	813.4	37.64	22.608
8,300.0	8,221.2	8,224.6	8,220.2	23.8	12.8	-84.18		143.0	-36.0	851.1	813.3	37.74	22.548
8,400.0	8,321.2	8,324.6	8,320.2	23.8	12.8	-84.18		143.0	-36.0	851.1	813.2	37.84	22.489
8,500.0	8,421.2	8,424.6	8,420.2	23.9	12.9	-84.18		143.0	-36.0	851.1	813.1	37.94	22.429
8,600.0	8,521.2	8,524.6	8,520.2	23.9	13.0	-84.18		143.0	-36.0	851.1	813.0	38.04	22.370
8,700.0	8,621.2	8,624.6	8,620.2	23.9	13.1	-84.18		143.0	-36.0	851.1	812.9	38.15	22.311
8,800.0	8,721.2	8,724.6	8,720.2	24.0	13.2	-84.18		143.0	-36.0	851.1	812.8	38.25	22.251
8,900.0	8,821.2	8,824.6	8,820.2	24.0	13.2	-84.18		143.0	-36.0	851.1	812.7	38.35	22.192
9,000.0	8,921.2	8,924.6	8,920.2	24.1	13.3	-84.18		143.0	-36.0	851.1	812.6	38.45	22.133
9,100.0	9,021.2	9,024.6	9,020.2	24.1	13.4	-84.18		143.0	-36.0	851.1	812.5	38.55	22.074
9,200.0	9,121.2	9,124.6	9,120.2	24.1	13.5	-84.18		143.0	-36.0	851.1	812.4	38.66	22.015
9,300.0	9,221.2	9,224.6	9,220.2	24.2	13.6	-84.18		143.0	-36.0	851.1	812.3	38.76	21.956
9,400.0	9,321.2	9,324.6	9,320.2	24.2	13.6	-84.18		143.0	-36.0	851.1	812.2	38.87	21.897
9,500.0	9,421.2	9,424.6	9,420.2	24.3	13.7	-84.18		143.0	-36.0	851.1	812.1	38.97	21.839
9,600.0	9,521.2	9,524.6	9,520.2	24.3	13.8	-84.18		143.0	-36.0	851.1	812.0	39.07	21.780
9,700.0	9,621.2	9,624.6	9,620.2	24.3	13.9	-84.18		143.0	-36.0	851.1	811.9	39.18	21.722
9,800.0	9,721.2	9,724.6	9,720.2	24.4	14.0	-84.18		143.0	-36.0	851.1	811.8	39.29	21.663
9,900.0	9,821.2	9,824.6	9,820.2	24.4	14.0	-84.18		143.0	-36.0	851.1	811.7	39.39	21.605
10,000.0	9,921.2	9,924.6	9,920.2	24.5	14.1	-84.18		143.0	-36.0	851.1	811.6	39.50	21.547

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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
10,100.0	10,021.2	10,024.6	10,020.2	24.5	14.2	-84.18	143.0	-36.0	851.1	811.4	39.60	21.489	
10,200.0	10,121.2	10,124.6	10,120.2	24.5	14.3	-84.18	143.0	-36.0	851.1	811.3	39.71	21.431	
10,300.0	10,221.2	10,224.6	10,220.2	24.6	14.4	-84.18	143.0	-36.0	851.1	811.2	39.82	21.373	
10,400.0	10,321.2	10,324.6	10,320.2	24.6	14.4	-84.18	143.0	-36.0	851.1	811.1	39.93	21.315	
10,500.0	10,421.2	10,424.6	10,420.2	24.7	14.5	-84.18	143.0	-36.0	851.1	811.0	40.03	21.258	
10,600.0	10,521.2	10,524.6	10,520.2	24.7	14.6	-84.18	143.0	-36.0	851.1	810.9	40.14	21.200	
10,700.0	10,621.2	10,624.6	10,620.2	24.7	14.7	-84.18	143.0	-36.0	851.1	810.8	40.25	21.143	
10,800.0	10,721.2	10,724.6	10,720.2	24.8	14.8	-84.18	143.0	-36.0	851.1	810.7	40.36	21.086	
10,900.0	10,821.2	10,824.6	10,820.2	24.8	14.8	-84.18	143.0	-36.0	851.1	810.6	40.47	21.029	
11,000.0	10,921.2	10,924.6	10,920.2	24.9	14.9	-84.18	143.0	-36.0	851.1	810.5	40.58	20.972	
11,100.0	11,021.2	11,024.6	11,020.2	24.9	15.0	-84.18	143.0	-36.0	851.1	810.4	40.69	20.915	
11,200.0	11,121.2	11,124.6	11,120.2	25.0	15.1	-84.18	143.0	-36.0	851.1	810.3	40.80	20.858	
11,300.0	11,221.2	11,224.6	11,220.2	25.0	15.2	-84.18	143.0	-36.0	851.1	810.1	40.91	20.805	
11,339.3	11,260.5	11,264.0	11,259.5	25.0	15.2	-84.18	143.0	-36.0	851.1	810.1	40.93	20.795	
11,350.0	11,271.2	11,273.1	11,268.6	25.0	15.2	96.21	143.1	-36.1	851.1	810.4	40.70	20.910	
11,375.0	11,296.2	11,293.8	11,289.3	25.0	15.2	96.30	143.9	-36.1	851.3	810.6	40.68	20.926	
11,400.0	11,321.0	11,314.2	11,309.6	25.0	15.2	96.48	145.6	-36.1	851.8	811.2	40.65	20.956	
11,425.0	11,345.7	11,333.9	11,329.2	25.0	15.2	96.74	148.0	-36.1	852.7	812.1	40.60	21.001	
11,450.0	11,370.2	11,352.8	11,347.8	25.0	15.2	97.06	151.1	-36.1	853.8	813.3	40.54	21.060	
11,475.0	11,394.4	11,370.6	11,365.3	25.0	15.2	97.40	154.7	-36.2	855.4	814.9	40.47	21.136	
11,500.0	11,418.2	11,387.2	11,381.5	25.0	15.2	97.73	158.6	-36.2	857.4	817.1	40.39	21.229	
11,525.0	11,441.6	11,400.0	11,393.8	25.0	15.2	97.93	162.0	-36.2	860.0	819.7	40.29	21.344	
11,550.0	11,464.4	11,416.6	11,409.6	25.0	15.2	98.27	166.9	-36.3	863.1	822.9	40.19	21.475	
11,575.0	11,486.7	11,429.3	11,421.6	25.0	15.2	98.43	171.0	-36.3	866.8	826.7	40.08	21.629	
11,600.0	11,508.4	11,440.5	11,432.2	25.0	15.2	98.47	175.0	-36.3	871.2	831.2	39.95	21.805	
11,625.0	11,529.5	11,450.0	11,441.0	25.0	15.2	98.36	178.4	-36.4	876.3	836.4	39.83	22.002	
11,650.0	11,549.7	11,459.2	11,449.4	25.0	15.2	98.17	182.0	-36.4	882.1	842.4	39.70	22.221	
11,675.0	11,569.2	11,466.6	11,456.2	25.1	15.2	97.81	185.0	-36.4	888.6	849.0	39.56	22.461	
11,700.0	11,587.9	11,475.0	11,463.8	25.1	15.2	97.42	188.5	-36.5	895.9	856.4	39.42	22.725	
11,725.0	11,605.6	11,475.0	11,463.8	25.1	15.2	96.41	188.5	-36.5	903.9	864.6	39.30	22.999	
11,750.0	11,622.4	11,482.2	11,470.4	25.1	15.2	95.77	191.6	-36.5	912.6	873.4	39.16	23.305	
11,775.0	11,638.2	11,485.5	11,473.3	25.1	15.2	94.76	193.0	-36.5	922.0	882.9	39.02	23.626	
11,800.0	11,653.0	11,487.8	11,475.3	25.1	15.2	93.60	194.1	-36.5	932.0	893.1	38.89	23.965	
11,825.0	11,666.7	11,489.3	11,476.7	25.1	15.2	92.29	194.8	-36.5	942.7	904.0	38.76	24.322	
11,850.0	11,679.3	11,490.0	11,477.4	25.1	15.2	90.82	195.1	-36.5	954.0	915.4	38.63	24.695	
11,875.0	11,690.7	11,490.1	11,477.4	25.1	15.2	89.22	195.1	-36.5	965.8	927.3	38.50	25.084	
11,900.0	11,701.0	11,489.5	11,476.9	25.2	15.2	87.49	194.9	-36.5	978.1	939.7	38.37	25.487	
11,925.0	11,710.0	11,488.3	11,475.8	25.2	15.2	85.64	194.3	-36.5	990.8	952.5	38.25	25.904	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	24.95	184.2	85.7	203.2	196.2	6.98	29.105	
100.0	100.0	99.0	99.0	3.1	3.1	24.95	184.2	85.7	203.2	195.9	7.23	28.119	
200.0	200.0	199.0	199.0	3.2	3.2	24.95	184.2	85.7	203.2	195.7	7.47	27.198	
300.0	300.0	299.0	299.0	3.4	3.4	24.95	184.2	85.7	203.2	195.5	7.71	26.349	
400.0	400.0	399.0	399.0	3.5	3.5	24.95	184.2	85.7	203.2	195.2	7.95	25.560	
500.0	500.0	499.0	499.0	3.6	3.6	24.95	184.2	85.7	203.2	195.0	8.18	24.823	
600.0	600.0	599.0	599.0	3.7	3.7	24.95	184.2	85.7	203.2	194.8	8.42	24.134	
700.0	700.0	699.0	699.0	3.9	3.9	24.95	184.2	85.7	203.2	194.5	8.65	23.488	
800.0	800.0	799.0	799.0	4.0	4.0	24.95	184.2	85.7	203.2	194.3	8.88	22.879	
900.0	900.0	899.0	899.0	4.1	4.1	24.95	184.2	85.7	203.2	194.1	9.11	22.306	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	24.95	184.2	85.7	203.2	193.8	9.34	21.763	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	24.95	184.2	85.7	203.2	193.6	9.56	21.250	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	24.95	184.2	85.7	203.2	193.4	9.79	20.763	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	24.95	184.2	85.7	203.2	193.2	10.01	20.300	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	24.95	184.2	85.7	203.2	192.9	10.23	19.859	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	24.95	184.2	85.7	203.2	192.7	10.45	19.439	
1,600.0	1,600.0	1,595.4	1,595.4	4.9	4.9	-61.09	184.4	87.3	203.2	192.9	10.35	19.634	
1,700.0	1,699.8	1,691.8	1,691.7	5.1	5.1	-61.18	185.0	92.1	203.3	192.6	10.69	19.018	
1,800.0	1,799.5	1,788.2	1,787.7	5.3	5.3	-61.32	186.0	100.1	203.5	192.5	11.04	18.440	
1,900.0	1,898.7	1,887.7	1,886.7	5.6	5.5	-61.84	187.3	110.4	203.2	191.8	11.38	17.854	
2,000.0	1,997.5	1,987.6	1,986.0	5.9	5.7	-63.26	188.5	120.7	201.2	189.5	11.72	17.171	
2,100.0	2,095.6	2,087.2	2,085.1	6.3	6.0	-65.64	189.8	131.1	197.9	185.9	12.05	16.431	
2,200.0	2,193.4	2,186.7	2,184.0	6.5	6.2	-68.50	191.1	141.4	194.3	182.0	12.35	15.743	
2,300.0	2,291.3	2,286.1	2,282.9	6.9	6.5	-71.47	192.3	151.7	191.3	178.6	12.63	15.139	
2,400.0	2,389.1	2,385.6	2,381.8	7.2	6.8	-74.52	193.6	162.0	188.7	175.8	12.91	14.616	
2,500.0	2,486.9	2,485.0	2,480.7	7.5	7.1	-77.64	194.9	172.3	186.7	173.5	13.18	14.168	
2,600.0	2,584.7	2,584.5	2,579.6	7.9	7.4	-80.83	196.1	182.7	185.3	171.8	13.44	13.786	
2,700.0	2,682.5	2,683.9	2,678.5	8.2	7.7	-84.05	197.4	193.0	184.4	170.7	13.70	13.462	
2,791.4	2,771.9	2,774.8	2,768.9	8.6	8.0	-87.01	198.6	202.4	184.2	170.3	13.95	13.207 CC	
2,800.0	2,780.3	2,783.4	2,777.4	8.6	8.1	-87.29	198.7	203.3	184.2	170.2	13.97	13.184 ES	
2,900.0	2,878.1	2,882.8	2,876.3	9.0	8.4	-90.52	199.9	213.6	184.6	170.3	14.26	12.944	
3,000.0	2,976.0	2,982.3	2,975.2	9.4	8.7	-93.74	201.2	223.9	185.5	170.9	14.57	12.731	
3,100.0	3,073.8	3,081.7	3,074.1	9.8	9.1	-96.91	202.5	234.2	187.0	172.1	14.92	12.537	
3,200.0	3,171.6	3,181.2	3,173.0	10.2	9.4	-100.03	203.7	244.6	189.1	173.8	15.31	12.353	
3,300.0	3,269.4	3,280.6	3,271.9	10.6	9.8	-103.06	205.0	254.9	191.8	176.0	15.75	12.175	
3,400.0	3,367.2	3,380.1	3,370.8	11.0	10.1	-106.01	206.3	265.2	194.9	178.7	16.24	12.000	
3,500.0	3,465.0	3,479.5	3,469.8	11.5	10.5	-108.86	207.5	275.5	198.6	181.8	16.79	11.827	
3,600.0	3,562.8	3,578.9	3,568.7	11.9	10.9	-111.59	208.8	285.8	202.8	185.4	17.40	11.656	
3,700.0	3,660.7	3,678.4	3,667.6	12.3	11.2	-114.22	210.1	296.1	207.4	189.3	18.05	11.488	
3,800.0	3,758.5	3,777.8	3,766.5	12.8	11.6	-116.72	211.3	306.5	212.4	193.6	18.75	11.326	
3,900.0	3,856.3	3,877.3	3,865.4	13.2	12.0	-119.11	212.6	316.8	217.8	198.3	19.49	11.172	
4,000.0	3,954.1	3,976.7	3,964.3	13.6	12.3	-121.38	213.9	327.1	223.6	203.3	20.28	11.025	
4,100.0	4,051.9	4,076.2	4,063.2	14.1	12.7	-123.53	215.1	337.4	229.7	208.6	21.09	10.889	
4,200.0	4,149.7	4,174.5	4,160.9	14.5	13.1	-125.59	216.4	347.4	236.2	214.3	21.91	10.778	
4,300.0	4,247.5	4,271.4	4,257.5	15.0	13.4	-127.81	217.4	355.7	243.9	221.1	22.81	10.692	
4,400.0	4,345.4	4,368.0	4,353.9	15.4	13.8	-130.17	218.2	362.4	253.0	229.2	23.77	10.642	
4,500.0	4,443.2	4,464.1	4,449.8	15.9	14.1	-132.63	218.8	367.5	263.6	238.8	24.78	10.638 SF	
4,600.0	4,541.0	4,559.6	4,545.3	16.3	14.4	-135.14	219.2	371.0	275.7	249.9	25.80	10.686	
4,700.0	4,638.8	4,654.6	4,640.2	16.8	14.6	-137.65	219.5	372.9	289.6	262.7	26.83	10.794	
4,800.0	4,736.6	4,750.0	4,735.6	17.2	14.8	-140.15	219.5	373.2	305.1	277.3	27.80	10.976	
4,900.0	4,834.4	4,847.8	4,833.4	17.7	14.8	-142.50	219.5	373.2	321.5	292.7	28.71	11.197	
5,000.0	4,932.3	4,945.6	4,931.3	18.1	14.9	-144.63	219.5	373.2	338.3	308.7	29.58	11.435	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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
5,100.0	5,030.1	5,043.4	5,029.1	18.6	14.9	-146.56	219.5	373.2	355.6	325.2	30.43	11.685	
5,105.0	5,035.0	5,048.4	5,034.0	18.6	14.9	-146.65	219.5	373.2	356.5	326.0	30.47	11.698	
5,200.0	5,128.0	5,141.4	5,127.0	19.0	15.0	-148.33	219.5	373.2	372.6	341.3	31.23	11.932	
5,300.0	5,226.3	5,239.7	5,225.3	19.5	15.0	-149.82	219.5	373.2	388.3	356.4	31.97	12.148	
5,400.0	5,325.0	5,338.3	5,324.0	19.9	15.1	-151.08	219.5	373.2	402.8	370.2	32.66	12.333	
5,500.0	5,423.8	5,437.2	5,422.8	20.4	15.1	-152.13	219.5	373.2	415.9	382.6	33.32	12.485	
5,600.0	5,523.0	5,536.3	5,522.0	20.8	15.2	-153.00	219.5	373.2	427.6	393.7	33.93	12.602	
5,700.0	5,622.3	5,635.7	5,621.3	21.2	15.2	-153.72	219.5	373.2	437.8	403.3	34.51	12.686	
5,800.0	5,721.9	5,735.2	5,720.9	21.6	15.3	-154.31	219.5	373.2	446.5	411.5	35.06	12.736	
5,900.0	5,821.5	5,834.9	5,820.5	22.0	15.3	-154.78	219.5	373.2	453.7	418.1	35.57	12.754	
6,000.0	5,921.3	5,934.7	5,920.3	22.3	15.4	-155.13	219.5	373.2	459.3	423.3	36.05	12.742	
6,100.0	6,021.2	6,034.6	6,020.2	22.6	15.4	-155.38	219.5	373.2	463.4	426.9	36.48	12.701	
6,200.0	6,121.2	6,134.6	6,120.2	22.9	15.5	-155.53	219.5	373.2	465.8	429.0	36.86	12.637	
6,300.0	6,221.2	6,234.6	6,220.2	23.1	15.6	-155.58	219.5	373.2	466.7	429.6	37.08	12.585	
6,305.0	6,226.2	6,239.6	6,225.2	23.1	15.6	-69.58	219.5	373.2	466.7	429.6	37.09	12.581	
6,400.0	6,321.2	6,334.6	6,320.2	23.1	15.6	-69.58	219.5	373.2	466.7	429.5	37.17	12.554	
6,500.0	6,421.2	6,434.6	6,420.2	23.2	15.7	-69.58	219.5	373.2	466.7	429.4	37.26	12.525	
6,600.0	6,521.2	6,534.6	6,520.2	23.2	15.7	-69.58	219.5	373.2	466.7	429.3	37.35	12.495	
6,700.0	6,621.2	6,634.6	6,620.2	23.2	15.8	-69.58	219.5	373.2	466.7	429.3	37.44	12.466	
6,800.0	6,721.2	6,734.6	6,720.2	23.3	15.8	-69.58	219.5	373.2	466.7	429.2	37.53	12.436	
6,900.0	6,821.2	6,834.6	6,820.2	23.3	15.9	-69.58	219.5	373.2	466.7	429.1	37.62	12.407	
7,000.0	6,921.2	6,934.6	6,920.2	23.3	15.9	-69.58	219.5	373.2	466.7	429.0	37.71	12.377	
7,100.0	7,021.2	7,034.6	7,020.2	23.4	16.0	-69.58	219.5	373.2	466.7	428.9	37.80	12.347	
7,200.0	7,121.2	7,134.6	7,120.2	23.4	16.1	-69.58	219.5	373.2	466.7	428.8	37.89	12.318	
7,300.0	7,221.2	7,234.6	7,220.2	23.4	16.1	-69.58	219.5	373.2	466.7	428.7	37.98	12.288	
7,400.0	7,321.2	7,334.6	7,320.2	23.5	16.2	-69.58	219.5	373.2	466.7	428.6	38.07	12.259	
7,500.0	7,421.2	7,434.6	7,420.2	23.5	16.2	-69.58	219.5	373.2	466.7	428.5	38.16	12.229	
7,600.0	7,521.2	7,534.6	7,520.2	23.5	16.3	-69.58	219.5	373.2	466.7	428.4	38.26	12.199	
7,700.0	7,621.2	7,634.6	7,620.2	23.6	16.3	-69.58	219.5	373.2	466.7	428.3	38.35	12.170	
7,800.0	7,721.2	7,734.6	7,720.2	23.6	16.4	-69.58	219.5	373.2	466.7	428.3	38.44	12.140	
7,900.0	7,821.2	7,834.6	7,820.2	23.6	16.5	-69.58	219.5	373.2	466.7	428.2	38.54	12.110	
8,000.0	7,921.2	7,934.6	7,920.2	23.7	16.5	-69.58	219.5	373.2	466.7	428.1	38.63	12.081	
8,100.0	8,021.2	8,034.6	8,020.2	23.7	16.6	-69.58	219.5	373.2	466.7	428.0	38.73	12.051	
8,200.0	8,121.2	8,134.6	8,120.2	23.8	16.6	-69.58	219.5	373.2	466.7	427.9	38.82	12.021	
8,300.0	8,221.2	8,234.6	8,220.2	23.8	16.7	-69.58	219.5	373.2	466.7	427.8	38.92	11.992	
8,400.0	8,321.2	8,334.6	8,320.2	23.8	16.8	-69.58	219.5	373.2	466.7	427.7	39.01	11.962	
8,500.0	8,421.2	8,434.6	8,420.2	23.9	16.8	-69.58	219.5	373.2	466.7	427.6	39.11	11.933	
8,600.0	8,521.2	8,534.6	8,520.2	23.9	16.9	-69.58	219.5	373.2	466.7	427.5	39.21	11.903	
8,700.0	8,621.2	8,634.6	8,620.2	23.9	16.9	-69.58	219.5	373.2	466.7	427.4	39.31	11.873	
8,800.0	8,721.2	8,734.6	8,720.2	24.0	17.0	-69.58	219.5	373.2	466.7	427.3	39.40	11.844	
8,900.0	8,821.2	8,834.6	8,820.2	24.0	17.1	-69.58	219.5	373.2	466.7	427.2	39.50	11.814	
9,000.0	8,921.2	8,934.6	8,920.2	24.1	17.1	-69.58	219.5	373.2	466.7	427.1	39.60	11.785	
9,100.0	9,021.2	9,034.6	9,020.2	24.1	17.2	-69.58	219.5	373.2	466.7	427.0	39.70	11.755	
9,200.0	9,121.2	9,134.6	9,120.2	24.1	17.2	-69.58	219.5	373.2	466.7	426.9	39.80	11.726	
9,300.0	9,221.2	9,234.6	9,220.2	24.2	17.3	-69.58	219.5	373.2	466.7	426.8	39.90	11.696	
9,400.0	9,321.2	9,334.6	9,320.2	24.2	17.4	-69.58	219.5	373.2	466.7	426.7	40.00	11.667	
9,500.0	9,421.2	9,434.6	9,420.2	24.3	17.4	-69.58	219.5	373.2	466.7	426.6	40.10	11.638	
9,600.0	9,521.2	9,534.6	9,520.2	24.3	17.5	-69.58	219.5	373.2	466.7	426.5	40.20	11.608	
9,700.0	9,621.2	9,634.6	9,620.2	24.3	17.5	-69.58	219.5	373.2	466.7	426.4	40.30	11.579	
9,800.0	9,721.2	9,734.6	9,720.2	24.4	17.6	-69.58	219.5	373.2	466.7	426.3	40.41	11.550	
9,900.0	9,821.2	9,834.6	9,820.2	24.4	17.7	-69.58	219.5	373.2	466.7	426.2	40.51	11.521	
10,000.0	9,921.2	9,934.6	9,920.2	24.5	17.7	-69.58	219.5	373.2	466.7	426.1	40.61	11.491	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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	10,021.2	10,034.6	10,020.2	24.5	17.8	-69.58	219.5	373.2	466.7	426.0	40.72	11.462			
10,200.0	10,121.2	10,134.6	10,120.2	24.5	17.9	-69.58	219.5	373.2	466.7	425.9	40.82	11.433			
10,300.0	10,221.2	10,234.6	10,220.2	24.6	17.9	-69.58	219.5	373.2	466.7	425.8	40.92	11.404			
10,400.0	10,321.2	10,334.6	10,320.2	24.6	18.0	-69.58	219.5	373.2	466.7	425.7	41.03	11.375			
10,500.0	10,421.2	10,434.6	10,420.2	24.7	18.0	-69.58	219.5	373.2	466.7	425.6	41.13	11.346			
10,600.0	10,521.2	10,534.6	10,520.2	24.7	18.1	-69.58	219.5	373.2	466.7	425.5	41.24	11.317			
10,700.0	10,621.2	10,634.6	10,620.2	24.7	18.2	-69.58	219.5	373.2	466.7	425.4	41.34	11.288			
10,800.0	10,721.2	10,734.6	10,720.2	24.8	18.2	-69.58	219.5	373.2	466.7	425.2	41.45	11.259			
10,900.0	10,821.2	10,834.6	10,820.2	24.8	18.3	-69.58	219.5	373.2	466.7	425.1	41.56	11.231			
11,000.0	10,921.2	10,934.6	10,920.2	24.9	18.4	-69.58	219.5	373.2	466.7	425.0	41.66	11.202			
11,100.0	11,021.2	11,034.6	11,020.2	24.9	18.4	-69.58	219.5	373.2	466.7	424.9	41.77	11.173			
11,200.0	11,121.2	11,134.6	11,120.2	25.0	18.5	-69.58	219.5	373.2	466.7	424.8	41.88	11.145			
11,300.0	11,221.2	11,234.6	11,220.2	25.0	18.6	-69.58	219.5	373.2	466.7	424.7	41.98	11.116			
11,339.3	11,260.5	11,273.9	11,259.5	25.0	18.6	-69.58	219.5	373.2	466.7	424.7	42.01	11.108			
11,350.0	11,271.2	11,284.6	11,270.2	25.0	18.6	110.80	219.5	373.2	466.7	424.8	41.89	11.143			
11,375.0	11,296.2	11,309.5	11,295.2	25.0	18.6	110.89	219.5	373.2	467.2	425.3	41.88	11.154			
11,400.0	11,321.0	11,334.4	11,320.0	25.0	18.6	111.08	219.5	373.2	468.1	426.2	41.85	11.184			
11,425.0	11,345.7	11,359.1	11,344.7	25.0	18.6	111.35	219.5	373.2	469.5	427.7	41.80	11.232			
11,450.0	11,370.2	11,383.6	11,369.2	25.0	18.6	111.71	219.5	373.2	471.4	429.7	41.72	11.299			
11,475.0	11,394.4	11,407.7	11,393.4	25.0	18.7	112.13	219.5	373.2	473.8	432.2	41.61	11.387			
11,500.0	11,418.2	11,431.5	11,417.2	25.0	18.7	112.61	219.5	373.2	476.9	435.4	41.47	11.498			
11,525.0	11,441.6	11,449.9	11,435.5	25.0	18.7	112.91	219.5	373.2	480.5	439.3	41.28	11.642			
11,550.0	11,464.4	11,469.2	11,454.8	25.0	18.7	113.29	219.9	373.2	485.1	444.1	40.97	11.840			
11,575.0	11,486.7	11,484.0	11,469.6	25.0	18.7	113.48	220.7	373.2	490.7	450.0	40.69	12.057			
11,600.0	11,508.4	11,500.0	11,485.5	25.0	18.7	113.73	222.2	373.2	497.3	456.9	40.40	12.310			
11,625.0	11,529.5	11,510.6	11,496.1	25.0	18.7	113.57	223.4	373.2	505.1	465.0	40.08	12.603			
11,650.0	11,549.7	11,525.0	11,510.3	25.0	18.7	113.63	225.4	373.2	514.1	474.3	39.75	12.932			
11,675.0	11,569.2	11,532.7	11,517.9	25.1	18.7	113.06	226.7	373.2	524.1	484.7	39.42	13.297			
11,700.0	11,587.9	11,542.1	11,527.1	25.1	18.7	112.49	228.4	373.2	535.4	496.3	39.08	13.698			
11,725.0	11,605.6	11,550.0	11,534.9	25.1	18.7	111.66	230.0	373.2	547.7	508.9	38.75	14.132			
11,750.0	11,622.4	11,557.6	11,542.3	25.1	18.7	110.63	231.6	373.1	561.1	522.6	38.43	14.599			
11,775.0	11,638.2	11,563.8	11,548.3	25.1	18.7	109.29	233.0	373.1	575.5	537.4	38.12	15.095			
11,800.0	11,653.0	11,569.0	11,553.4	25.1	18.7	107.65	234.3	373.1	590.8	553.0	37.83	15.618			
11,825.0	11,666.7	11,575.0	11,559.2	25.1	18.7	105.88	235.8	373.1	607.1	569.5	37.54	16.171			
11,850.0	11,679.3	11,575.0	11,559.2	25.1	18.7	103.19	235.8	373.1	624.1	586.8	37.30	16.729			
11,875.0	11,690.7	11,575.0	11,559.2	25.1	18.7	100.23	235.8	373.1	641.8	604.7	37.08	17.309			
11,900.0	11,701.0	11,575.0	11,559.2	25.2	18.7	97.01	235.8	373.1	660.2	623.3	36.87	17.908			
11,925.0	11,710.0	11,582.3	11,566.3	25.2	18.7	94.51	237.8	373.1	679.0	642.4	36.59	18.557			
11,950.0	11,717.8	11,582.8	11,566.7	25.2	18.7	90.92	237.9	373.1	698.3	662.0	36.38	19.194			
11,975.0	11,724.4	11,582.6	11,566.6	25.2	18.7	87.07	237.9	373.1	718.0	681.8	36.19	19.843			
12,000.0	11,729.7	11,575.0	11,559.2	25.2	18.7	82.12	235.8	373.1	738.1	702.0	36.06	20.466			
12,025.0	11,733.7	11,575.0	11,559.2	25.3	18.7	78.10	235.8	373.1	758.2	722.3	35.87	21.139			
12,050.0	11,736.4	11,575.0	11,559.2	25.3	18.7	74.07	235.8	373.1	778.5	742.8	35.67	21.822			
12,075.0	11,737.8	11,575.0	11,559.2	25.3	18.7	70.08	235.8	373.1	798.8	763.3	35.48	22.515			
12,089.3	11,738.0	11,575.0	11,559.2	25.3	18.7	67.83	235.8	373.1	810.5	775.1	35.37	22.915			
12,100.0	11,738.0	11,575.0	11,559.2	25.3	18.7	67.83	235.8	373.1	819.2	783.9	35.29	23.215			
12,200.0	11,738.0	11,564.4	11,549.0	25.5	18.7	66.69	233.2	373.1	902.7	867.9	34.73	25.992			
12,300.0	11,738.0	11,550.0	11,534.9	25.6	18.7	65.15	230.0	373.2	989.0	954.7	34.34	28.802			

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	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	33.49	167.5	110.8	200.8	193.8	6.98	28.765	
100.0	100.0	100.0	100.0	3.1	3.1	33.49	167.5	110.8	200.8	193.6	7.23	27.785	
200.0	200.0	200.0	200.0	3.2	3.2	33.49	167.5	110.8	200.8	193.3	7.47	26.884	
300.0	300.0	300.0	300.0	3.4	3.4	33.49	167.5	110.8	200.8	193.1	7.71	26.052	
400.0	400.0	400.0	400.0	3.5	3.5	33.49	167.5	110.8	200.8	192.9	7.94	25.281	
500.0	500.0	500.0	500.0	3.6	3.6	33.49	167.5	110.8	200.8	192.6	8.18	24.563	
600.0	600.0	600.0	600.0	3.7	3.7	33.49	167.5	110.8	200.8	192.4	8.40	23.893	
700.0	700.0	700.0	700.0	3.9	3.9	33.49	167.5	110.8	200.8	192.2	8.63	23.265	
800.0	800.0	800.0	800.0	4.0	4.0	33.49	167.5	110.8	200.8	192.0	8.86	22.675	
900.0	900.0	900.0	900.0	4.1	4.1	33.49	167.5	110.8	200.8	191.7	9.08	22.119	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	33.49	167.5	110.8	200.8	191.5	9.30	21.594	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	33.49	167.5	110.8	200.8	191.3	9.52	21.097	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	33.49	167.5	110.8	200.8	191.1	9.74	20.626	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	33.49	167.5	110.8	200.8	190.9	9.95	20.179	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	33.49	167.5	110.8	200.8	190.6	10.17	19.754	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	33.49	167.5	110.8	200.8	190.4	10.38	19.348	
1,600.0	1,600.0	1,595.8	1,595.8	4.9	4.9	-52.53	167.6	112.4	200.8	190.5	10.30	19.500	
1,700.0	1,699.8	1,691.6	1,691.5	5.1	5.0	-52.59	168.0	117.2	200.7	190.1	10.67	18.818	
1,800.0	1,799.5	1,787.5	1,787.0	5.3	5.2	-52.70	168.7	125.2	200.6	189.6	11.04	18.164	
1,900.0	1,898.7	1,883.3	1,882.2	5.6	5.5	-52.85	169.7	136.3	200.5	189.0	11.43	17.534	
2,000.0	1,997.5	1,979.2	1,977.0	5.9	5.8	-53.04	171.0	150.6	200.3	188.4	11.84	16.920	
2,100.0	2,095.6	2,078.3	2,074.6	6.3	6.1	-53.52	172.4	167.7	199.4	187.2	12.25	16.281	
2,200.0	2,193.4	2,178.2	2,173.0	6.5	6.4	-54.38	174.0	185.0	197.6	185.0	12.64	15.635	
2,300.0	2,291.3	2,278.2	2,271.4	6.9	6.7	-55.27	175.5	202.3	195.9	182.8	13.04	15.018	
2,400.0	2,389.1	2,378.1	2,369.8	7.2	7.0	-56.16	177.0	219.6	194.1	180.7	13.45	14.433	
2,500.0	2,486.9	2,478.0	2,468.2	7.5	7.3	-57.08	178.5	236.9	192.5	178.6	13.87	13.882	
2,600.0	2,584.7	2,578.0	2,566.7	7.9	7.7	-58.01	180.0	254.1	190.9	176.6	14.28	13.364	
2,700.0	2,682.5	2,677.9	2,665.1	8.2	8.0	-58.95	181.5	271.4	189.3	174.6	14.70	12.880	
2,800.0	2,780.3	2,777.8	2,763.5	8.6	8.4	-59.91	183.0	288.7	187.8	172.7	15.11	12.428	
2,900.0	2,878.1	2,877.8	2,861.9	9.0	8.8	-60.89	184.5	306.0	186.3	170.8	15.52	12.007	
3,000.0	2,976.0	2,977.7	2,960.3	9.4	9.2	-61.88	186.1	323.3	184.9	169.0	15.92	11.616	
3,100.0	3,073.8	3,077.7	3,058.8	9.8	9.5	-62.88	187.6	340.6	183.5	167.2	16.31	11.252	
3,200.0	3,171.6	3,177.6	3,157.2	10.2	9.9	-63.90	189.1	357.9	182.3	165.6	16.70	10.915	
3,300.0	3,269.4	3,277.5	3,255.6	10.6	10.3	-64.94	190.6	375.2	181.0	163.9	17.07	10.601	
3,400.0	3,367.2	3,377.5	3,354.0	11.0	10.7	-65.99	192.1	392.5	179.8	162.4	17.44	10.311	
3,500.0	3,465.0	3,477.4	3,452.4	11.5	11.1	-67.05	193.6	409.7	178.7	160.9	17.80	10.042	
3,600.0	3,562.8	3,577.4	3,550.9	11.9	11.6	-68.12	195.1	427.0	177.7	159.5	18.14	9.793	
3,700.0	3,660.7	3,677.3	3,649.3	12.3	12.0	-69.21	196.6	444.3	176.7	158.2	18.48	9.561	
3,800.0	3,758.5	3,777.2	3,747.7	12.8	12.4	-70.31	198.2	461.6	175.8	157.0	18.80	9.347	
3,900.0	3,856.3	3,877.2	3,846.1	13.2	12.8	-71.42	199.7	478.9	174.9	155.8	19.12	9.148	
4,000.0	3,954.1	3,977.1	3,944.5	13.6	13.2	-72.54	201.2	496.2	174.1	154.7	19.43	8.963	
4,100.0	4,051.9	4,077.0	4,043.0	14.1	13.7	-73.67	202.7	513.5	173.4	153.7	19.72	8.790	
4,200.0	4,149.7	4,177.0	4,141.4	14.5	14.1	-74.81	204.2	530.8	172.7	152.7	20.02	8.630	
4,300.0	4,247.5	4,276.9	4,239.8	15.0	14.5	-75.96	205.7	548.0	172.1	151.8	20.30	8.480	
4,400.0	4,345.4	4,376.9	4,338.2	15.4	14.9	-77.11	207.2	565.3	171.6	151.0	20.58	8.340	
4,500.0	4,443.2	4,476.8	4,436.6	15.9	15.4	-78.27	208.7	582.6	171.2	150.3	20.86	8.208	
4,600.0	4,541.0	4,576.7	4,535.1	16.3	15.8	-79.44	210.3	599.9	170.8	149.7	21.13	8.083	
4,700.0	4,638.8	4,676.8	4,633.6	16.8	16.2	-80.64	211.8	617.1	170.5	149.1	21.37	7.976	
4,800.0	4,736.6	4,776.9	4,732.4	17.2	16.6	-82.09	213.2	633.7	170.1	148.5	21.61	7.871	
4,900.0	4,834.4	4,877.0	4,831.2	17.7	17.1	-83.83	214.6	649.3	169.8	147.9	21.84	7.772	
5,000.0	4,932.3	4,977.0	4,930.1	18.1	17.5	-85.87	215.9	664.1	169.5	147.4	22.07	7.680	
5,097.7	5,027.8	5,074.6	5,026.7	18.6	17.9	-88.15	217.1	677.7	169.4	147.0	22.31	7.591 CC	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	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	5,030.1	5,076.9	5,029.0	18.6	17.9	-88.20	217.1	678.0	169.4	147.0	22.32	7.588	
5,105.0	5,035.0	5,081.9	5,033.9	18.6	17.9	-88.33	217.2	678.7	169.4	147.0	22.33	7.584	
5,200.0	5,128.0	5,176.7	5,127.9	19.0	18.3	-90.57	218.2	691.1	169.5	146.9	22.61	7.497	
5,300.0	5,226.3	5,276.4	5,226.9	19.5	18.7	-92.63	219.3	703.3	169.9	146.9	22.95	7.401	
5,400.0	5,325.0	5,376.2	5,326.1	19.9	19.1	-94.40	220.3	714.6	170.4	147.1	23.33	7.305	
5,500.0	5,423.8	5,476.0	5,425.3	20.4	19.5	-95.86	221.2	725.0	171.0	147.3	23.71	7.211	
5,600.0	5,523.0	5,575.8	5,524.6	20.8	19.9	-97.02	222.0	734.7	171.5	147.5	24.09	7.120	
5,700.0	5,622.3	5,675.6	5,624.1	21.2	20.3	-97.88	222.8	743.4	172.0	147.6	24.45	7.036	
5,800.0	5,721.9	5,775.4	5,723.5	21.6	20.7	-98.46	223.5	751.3	172.4	147.7	24.78	6.959	
5,900.0	5,821.5	5,875.2	5,823.1	22.0	21.0	-98.74	224.1	758.3	172.7	147.6	25.06	6.890	
6,000.0	5,921.3	5,975.0	5,922.7	22.3	21.4	-98.74	224.7	764.4	172.8	147.5	25.30	6.830	
6,100.0	6,021.2	6,074.8	6,022.3	22.6	21.7	-98.45	225.1	769.7	172.8	147.3	25.49	6.778	
6,200.0	6,121.2	6,174.6	6,122.0	22.9	22.1	-97.88	225.5	774.1	172.6	147.0	25.63	6.735	
6,300.0	6,221.2	6,274.4	6,221.8	23.1	22.4	-97.01	225.8	777.7	172.3	146.6	25.72	6.700	
6,305.0	6,226.2	6,279.4	6,226.8	23.1	22.4	-10.96	225.8	777.9	172.3	146.6	25.72	6.698	
6,400.0	6,321.2	6,374.2	6,321.6	23.1	22.7	-10.12	226.1	780.4	172.0	146.3	25.79	6.671	
6,500.0	6,421.2	6,474.1	6,421.4	23.2	23.0	-9.51	226.2	782.2	171.9	146.0	25.90	6.637	
6,600.0	6,521.2	6,574.0	6,521.3	23.2	23.2	-9.19	226.3	783.2	171.8	145.8	26.02	6.602	
6,683.9	6,605.1	6,657.8	6,605.1	23.2	23.3	-9.13	226.3	783.3	171.8	145.7	26.12	6.578	
6,700.0	6,621.2	6,673.9	6,621.2	23.2	23.3	-9.13	226.3	783.3	171.8	145.7	26.14	6.574	
6,800.0	6,721.2	6,773.9	6,721.2	23.3	23.3	-9.13	226.3	783.3	171.8	145.5	26.26	6.543	
6,900.0	6,821.2	6,873.9	6,821.2	23.3	23.3	-9.13	226.3	783.3	171.8	145.4	26.39	6.510	
7,000.0	6,921.2	6,973.9	6,921.2	23.3	23.4	-9.13	226.3	783.3	171.8	145.3	26.52	6.478	
7,100.0	7,021.2	7,073.9	7,021.2	23.4	23.4	-9.13	226.3	783.3	171.8	145.2	26.65	6.446	
7,200.0	7,121.2	7,173.9	7,121.2	23.4	23.4	-9.13	226.3	783.3	171.8	145.0	26.78	6.414	
7,300.0	7,221.2	7,273.9	7,221.2	23.4	23.5	-9.13	226.3	783.3	171.8	144.9	26.92	6.383	
7,400.0	7,321.2	7,373.9	7,321.2	23.5	23.5	-9.13	226.3	783.3	171.8	144.8	27.05	6.352	
7,500.0	7,421.2	7,473.9	7,421.2	23.5	23.5	-9.13	226.3	783.3	171.8	144.6	27.18	6.321	
7,600.0	7,521.2	7,573.9	7,521.2	23.5	23.6	-9.13	226.3	783.3	171.8	144.5	27.31	6.290	
7,700.0	7,621.2	7,673.9	7,621.2	23.6	23.6	-9.13	226.3	783.3	171.8	144.4	27.45	6.259	
7,800.0	7,721.2	7,773.9	7,721.2	23.6	23.7	-9.13	226.3	783.3	171.8	144.2	27.58	6.229	
7,900.0	7,821.2	7,873.9	7,821.2	23.6	23.7	-9.13	226.3	783.3	171.8	144.1	27.71	6.199	
8,000.0	7,921.2	7,973.9	7,921.2	23.7	23.7	-9.13	226.3	783.3	171.8	144.0	27.85	6.169	
8,100.0	8,021.2	8,073.9	8,021.2	23.7	23.8	-9.13	226.3	783.3	171.8	143.8	27.98	6.140	
8,200.0	8,121.2	8,173.9	8,121.2	23.8	23.8	-9.13	226.3	783.3	171.8	143.7	28.12	6.110	
8,300.0	8,221.2	8,273.9	8,221.2	23.8	23.8	-9.13	226.3	783.3	171.8	143.6	28.25	6.081	
8,400.0	8,321.2	8,373.9	8,321.2	23.8	23.9	-9.13	226.3	783.3	171.8	143.4	28.39	6.052	
8,500.0	8,421.2	8,473.9	8,421.2	23.9	23.9	-9.13	226.3	783.3	171.8	143.3	28.52	6.023	
8,600.0	8,521.2	8,573.9	8,521.2	23.9	23.9	-9.13	226.3	783.3	171.8	143.1	28.66	5.995	
8,700.0	8,621.2	8,673.9	8,621.2	23.9	24.0	-9.13	226.3	783.3	171.8	143.0	28.80	5.966	
8,800.0	8,721.2	8,773.9	8,721.2	24.0	24.0	-9.13	226.3	783.3	171.8	142.9	28.93	5.938	
8,900.0	8,821.2	8,873.9	8,821.2	24.0	24.1	-9.13	226.3	783.3	171.8	142.7	29.07	5.910	
9,000.0	8,921.2	8,973.9	8,921.2	24.1	24.1	-9.13	226.3	783.3	171.8	142.6	29.21	5.883	
9,100.0	9,021.2	9,073.9	9,021.2	24.1	24.1	-9.13	226.3	783.3	171.8	142.5	29.34	5.855	
9,200.0	9,121.2	9,173.9	9,121.2	24.1	24.2	-9.13	226.3	783.3	171.8	142.3	29.48	5.828	
9,300.0	9,221.2	9,273.9	9,221.2	24.2	24.2	-9.13	226.3	783.3	171.8	142.2	29.62	5.801	
9,400.0	9,321.2	9,373.9	9,321.2	24.2	24.2	-9.13	226.3	783.3	171.8	142.0	29.75	5.774	
9,500.0	9,421.2	9,473.9	9,421.2	24.3	24.3	-9.13	226.3	783.3	171.8	141.9	29.89	5.747	
9,600.0	9,521.2	9,573.9	9,521.2	24.3	24.3	-9.13	226.3	783.3	171.8	141.8	30.03	5.721	
9,700.0	9,621.2	9,673.9	9,621.2	24.3	24.4	-9.13	226.3	783.3	171.8	141.6	30.17	5.695	
9,800.0	9,721.2	9,773.9	9,721.2	24.4	24.4	-9.13	226.3	783.3	171.8	141.5	30.31	5.668	
9,900.0	9,821.2	9,873.9	9,821.2	24.4	24.4	-9.13	226.3	783.3	171.8	141.4	30.45	5.643	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		Offset Wellbore Centre			Rule Assigned: 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		
10,000.0	9,921.2	9,973.9	9,921.2	24.5	24.5	-9.13	226.3	783.3	171.8	141.2	30.59	5.617		
10,100.0	10,021.2	10,073.9	10,021.2	24.5	24.5	-9.13	226.3	783.3	171.8	141.1	30.73	5.591		
10,200.0	10,121.2	10,173.9	10,121.2	24.5	24.6	-9.13	226.3	783.3	171.8	140.9	30.87	5.566		
10,300.0	10,221.2	10,273.9	10,221.2	24.6	24.6	-9.13	226.3	783.3	171.8	140.8	31.01	5.541		
10,400.0	10,321.2	10,373.9	10,321.2	24.6	24.6	-9.13	226.3	783.3	171.8	140.7	31.15	5.516		
10,500.0	10,421.2	10,473.9	10,421.2	24.7	24.7	-9.13	226.3	783.3	171.8	140.5	31.29	5.491		
10,600.0	10,521.2	10,573.9	10,521.2	24.7	24.7	-9.13	226.3	783.3	171.8	140.4	31.43	5.467		
10,700.0	10,621.2	10,673.9	10,621.2	24.7	24.8	-9.13	226.3	783.3	171.8	140.2	31.57	5.442		
10,800.0	10,721.2	10,773.9	10,721.2	24.8	24.8	-9.13	226.3	783.3	171.8	140.1	31.71	5.418		
10,900.0	10,821.2	10,873.9	10,821.2	24.8	24.9	-9.13	226.3	783.3	171.8	140.0	31.85	5.394		
11,000.0	10,921.2	10,973.9	10,921.2	24.9	24.9	-9.13	226.3	783.3	171.8	139.8	31.99	5.370		
11,100.0	11,021.2	11,073.9	11,021.2	24.9	24.9	-9.13	226.3	783.3	171.8	139.7	32.13	5.347		
11,200.0	11,121.2	11,173.9	11,121.2	25.0	25.0	-9.13	226.3	783.3	171.8	139.5	32.27	5.323		
11,300.0	11,221.2	11,273.9	11,221.2	25.0	25.0	-9.13	226.3	783.3	171.8	139.4	32.42	5.300		
11,339.3	11,260.5	11,313.2	11,260.5	25.0	25.0	-9.13	226.3	783.3	171.8	139.4	32.45	5.295 ES, SF		
11,350.0	11,271.2	11,321.4	11,268.7	25.0	25.0	171.24	226.4	783.3	172.0	139.8	32.23	5.336		
11,375.0	11,296.2	11,339.7	11,287.0	25.0	25.0	171.28	227.0	783.3	174.0	141.8	32.28	5.392		
11,400.0	11,321.0	11,357.7	11,305.0	25.0	25.0	171.36	228.3	783.3	178.3	145.9	32.38	5.507		
11,425.0	11,345.7	11,375.0	11,322.1	25.0	25.0	171.45	230.2	783.3	184.7	152.2	32.53	5.678		
11,450.0	11,370.2	11,392.1	11,339.1	25.0	25.0	171.57	232.7	783.3	193.2	160.5	32.72	5.905		
11,475.0	11,394.4	11,408.2	11,354.9	25.0	25.0	171.68	235.5	783.3	203.7	170.8	32.96	6.181		
11,500.0	11,418.2	11,425.0	11,371.3	25.0	25.0	171.81	239.1	783.2	216.1	183.0	33.17	6.515		
11,525.0	11,441.6	11,437.3	11,383.2	25.0	25.0	171.83	242.1	783.2	230.3	196.7	33.54	6.866		
11,550.0	11,464.4	11,450.0	11,395.5	25.0	25.0	171.84	245.5	783.2	246.0	212.2	33.86	7.266		
11,575.0	11,486.7	11,462.0	11,407.0	25.0	25.0	171.80	249.0	783.1	263.2	229.1	34.17	7.705		
11,600.0	11,508.4	11,475.0	11,419.3	25.0	25.0	171.75	253.1	783.1	281.8	247.4	34.38	8.195		
11,625.0	11,529.5	11,482.1	11,426.0	25.0	25.0	171.46	255.5	783.1	301.5	266.7	34.78	8.668		
11,650.0	11,549.7	11,490.5	11,433.8	25.0	25.0	171.12	258.5	783.0	322.2	287.2	35.07	9.189		
11,675.0	11,569.2	11,500.0	11,442.7	25.1	25.0	170.75	262.0	783.0	343.9	308.7	35.25	9.756		
11,700.0	11,587.9	11,500.0	11,442.7	25.1	25.0	169.71	262.0	783.0	366.4	330.7	35.72	10.256		
11,725.0	11,605.6	11,509.3	11,451.2	25.1	25.1	168.98	265.6	783.0	389.4	353.7	35.79	10.880		
11,750.0	11,622.4	11,513.6	11,455.2	25.1	25.1	167.56	267.3	783.0	413.1	377.1	35.99	11.479		
11,775.0	11,638.2	11,517.1	11,458.3	25.1	25.1	165.41	268.7	783.0	437.2	401.0	36.15	12.092		
11,800.0	11,653.0	11,525.0	11,465.5	25.1	25.1	162.96	272.1	782.9	461.7	425.5	36.14	12.776		
11,825.0	11,666.7	11,525.0	11,465.5	25.1	25.1	156.78	272.1	782.9	486.3	450.0	36.31	13.393		
11,850.0	11,679.3	11,525.0	11,465.5	25.1	25.1	143.35	272.1	782.9	511.2	474.7	36.44	14.029		
11,875.0	11,690.7	11,525.0	11,465.5	25.1	25.1	106.87	272.1	782.9	536.1	499.6	36.52	14.680		
11,900.0	11,701.0	11,525.0	11,465.5	25.2	25.1	51.76	272.1	782.9	561.1	524.5	36.56	15.345		
11,925.0	11,710.0	11,525.0	11,465.5	25.2	25.1	27.43	272.1	782.9	586.0	549.4	36.57	16.023		
11,950.0	11,717.8	11,525.0	11,465.5	25.2	25.1	17.82	272.1	782.9	610.8	574.3	36.55	16.713		
11,975.0	11,724.4	11,525.0	11,465.5	25.2	25.1	12.99	272.1	782.9	635.5	599.0	36.50	17.412		
12,000.0	11,729.7	11,516.9	11,458.1	25.2	25.1	9.62	268.7	783.0	659.8	623.2	36.60	18.031		
12,025.0	11,733.7	11,514.2	11,455.7	25.3	25.1	7.81	267.6	783.0	684.0	647.4	36.55	18.715		
12,050.0	11,736.4	11,511.1	11,452.9	25.3	25.1	6.54	266.3	783.0	707.8	671.3	36.48	19.401		
12,075.0	11,737.8	11,507.7	11,449.7	25.3	25.1	5.60	265.0	783.0	731.2	694.8	36.40	20.087		
12,089.3	11,738.0	11,500.0	11,442.7	25.3	25.0	5.08	262.0	783.0	744.5	708.1	36.46	20.423		
12,100.0	11,738.0	11,500.0	11,442.7	25.3	25.0	5.08	262.0	783.0	754.3	718.0	36.39	20.732		
12,200.0	11,738.0	11,490.0	11,433.3	25.5	25.0	4.92	258.3	783.0	847.0	811.0	36.01	23.524		
12,300.0	11,738.0	11,475.0	11,419.3	25.6	25.0	4.71	253.1	783.1	940.8	905.0	35.80	26.276		

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	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	42.06	150.7	136.0	203.0	196.0	6.98	29.081	
100.0	100.0	100.0	100.0	3.1	3.1	42.06	150.7	136.0	203.0	195.8	7.23	28.092	
200.0	200.0	200.0	200.0	3.2	3.2	42.06	150.7	136.0	203.0	195.5	7.47	27.187	
300.0	300.0	300.0	300.0	3.4	3.4	42.06	150.7	136.0	203.0	195.3	7.70	26.354	
400.0	400.0	400.0	400.0	3.5	3.5	42.06	150.7	136.0	203.0	195.1	7.93	25.585	
500.0	500.0	500.0	500.0	3.6	3.6	42.06	150.7	136.0	203.0	194.9	8.16	24.871	
600.0	600.0	600.0	600.0	3.7	3.7	42.06	150.7	136.0	203.0	194.6	8.39	24.205	
700.0	700.0	700.0	700.0	3.9	3.9	42.06	150.7	136.0	203.0	194.4	8.61	23.582	
800.0	800.0	800.0	800.0	4.0	4.0	42.06	150.7	136.0	203.0	194.2	8.83	22.999	
900.0	900.0	900.0	900.0	4.1	4.1	42.06	150.7	136.0	203.0	194.0	9.04	22.450	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	42.06	150.7	136.0	203.0	193.8	9.26	21.932	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	42.06	150.7	136.0	203.0	193.5	9.47	21.442	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	42.06	150.7	136.0	203.0	193.3	9.68	20.979	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	42.06	150.7	136.0	203.0	193.1	9.88	20.539	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	42.06	150.7	136.0	203.0	192.9	10.09	20.121	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	42.06	150.7	136.0	203.0	192.7	10.29	19.722	
1,600.0	1,600.0	1,595.2	1,595.2	4.9	4.9	-43.95	150.8	137.6	202.9	192.7	10.23	19.829	
1,700.0	1,699.8	1,690.5	1,690.3	5.1	5.0	-43.98	151.1	142.3	202.7	192.1	10.63	19.062	
1,800.0	1,799.5	1,785.7	1,785.2	5.3	5.2	-44.04	151.5	150.2	202.3	191.2	11.05	18.315	
1,900.0	1,898.7	1,880.9	1,879.8	5.6	5.5	-44.12	152.0	161.3	201.7	190.3	11.47	17.583	
2,000.0	1,997.5	1,976.2	1,974.0	5.9	5.8	-44.22	152.8	175.4	201.0	189.1	11.92	16.863	
2,100.0	2,095.6	2,071.5	2,067.7	6.3	6.2	-44.34	153.7	192.8	200.1	187.7	12.39	16.152	
2,140.8	2,135.5	2,110.4	2,105.8	6.4	6.3	-44.34	154.1	200.7	199.9	187.4	12.57	15.900 CC, ES	
2,200.0	2,193.4	2,166.8	2,160.8	6.5	6.5	-44.14	154.8	213.2	200.4	187.5	12.85	15.590	
2,300.0	2,291.3	2,265.1	2,256.2	6.9	6.8	-43.42	156.0	236.7	202.4	189.1	13.36	15.153	
2,400.0	2,389.1	2,365.1	2,353.2	7.2	7.1	-42.66	157.3	260.9	204.7	190.8	13.91	14.721	
2,500.0	2,486.9	2,465.0	2,450.2	7.5	7.5	-41.92	158.5	285.0	207.0	192.5	14.48	14.290	
2,600.0	2,584.7	2,564.9	2,547.2	7.9	7.8	-41.20	159.8	309.2	209.3	194.2	15.10	13.866	
2,700.0	2,682.5	2,664.9	2,644.1	8.2	8.2	-40.49	161.1	333.3	211.7	195.9	15.74	13.453	
2,800.0	2,780.3	2,764.8	2,741.1	8.6	8.6	-39.80	162.3	357.4	214.1	197.7	16.40	13.053	
2,900.0	2,878.1	2,864.8	2,838.1	9.0	9.0	-39.12	163.6	381.6	216.5	199.4	17.09	12.667	
3,000.0	2,976.0	2,964.7	2,935.0	9.4	9.4	-38.46	164.9	405.7	219.0	201.2	17.80	12.298	
3,100.0	3,073.8	3,064.6	3,032.0	9.8	9.8	-37.82	166.1	429.9	221.4	202.9	18.54	11.946	
3,200.0	3,171.6	3,164.6	3,129.0	10.2	10.2	-37.18	167.4	454.0	223.9	204.7	19.29	11.610	
3,300.0	3,269.4	3,264.5	3,225.9	10.6	10.6	-36.57	168.7	478.2	226.5	206.4	20.06	11.291	
3,400.0	3,367.2	3,364.4	3,322.9	11.0	11.1	-35.96	169.9	502.3	229.0	208.2	20.84	10.989	
3,500.0	3,465.0	3,464.4	3,419.9	11.5	11.5	-35.37	171.2	526.5	231.6	210.0	21.64	10.702	
3,600.0	3,562.8	3,564.3	3,516.9	11.9	11.9	-34.79	172.4	550.6	234.2	211.8	22.46	10.431	
3,700.0	3,660.7	3,664.3	3,613.8	12.3	12.4	-34.23	173.7	574.7	236.9	213.6	23.28	10.174	
3,800.0	3,758.5	3,764.2	3,710.8	12.8	12.8	-33.68	175.0	598.9	239.5	215.4	24.12	9.930	
3,900.0	3,856.3	3,864.1	3,807.8	13.2	13.3	-33.14	176.2	623.0	242.2	217.2	24.97	9.700	
4,000.0	3,954.1	3,964.1	3,904.7	13.6	13.7	-32.61	177.5	647.2	244.9	219.1	25.83	9.482	
4,100.0	4,051.9	4,064.0	4,001.7	14.1	14.2	-32.09	178.8	671.3	247.6	220.9	26.70	9.276	
4,200.0	4,149.7	4,164.0	4,098.7	14.5	14.6	-31.59	180.0	695.5	250.4	222.8	27.57	9.080	
4,300.0	4,247.5	4,263.9	4,195.6	15.0	15.1	-31.09	181.3	719.6	253.1	224.7	28.46	8.895	
4,400.0	4,345.4	4,363.8	4,292.6	15.4	15.6	-30.61	182.6	743.8	255.9	226.6	29.35	8.720	
4,500.0	4,443.2	4,463.8	4,389.6	15.9	16.0	-30.13	183.8	767.9	258.7	228.5	30.25	8.553	
4,600.0	4,541.0	4,563.7	4,486.6	16.3	16.5	-29.67	185.1	792.0	261.5	230.4	31.15	8.395	
4,700.0	4,638.8	4,663.6	4,583.5	16.8	17.0	-29.22	186.4	816.2	264.3	232.3	32.06	8.245	
4,800.0	4,736.6	4,763.6	4,680.5	17.2	17.4	-28.77	187.6	840.3	267.2	234.2	32.98	8.102	
4,900.0	4,834.4	4,863.5	4,777.5	17.7	17.9	-28.34	188.9	864.5	270.1	236.2	33.90	7.966	
5,000.0	4,932.3	4,963.5	4,874.4	18.1	18.4	-27.91	190.2	888.6	272.9	238.1	34.82	7.837	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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							Rule Assigned:				Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance					
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	5,030.1	5,063.4	4,971.4	18.6	18.8	-27.50	191.4	912.8	275.8	240.1	35.76	7.713		
5,105.0	5,035.0	5,068.4	4,976.3	18.6	18.9	-27.48	191.5	914.0	276.0	240.2	35.81	7.707		
5,200.0	5,128.0	5,163.3	5,068.3	19.0	19.3	-27.03	192.7	936.9	279.4	242.7	36.70	7.614		
5,300.0	5,226.3	5,263.1	5,165.2	19.5	19.8	-26.43	194.0	961.0	284.6	246.9	37.66	7.556		
5,400.0	5,325.0	5,362.8	5,261.9	19.9	20.2	-25.71	195.2	985.1	291.4	252.7	38.65	7.540 SF		
5,500.0	5,423.8	5,462.4	5,358.5	20.4	20.7	-24.88	196.5	1,009.1	299.8	260.2	39.65	7.562		
5,600.0	5,523.0	5,563.8	5,457.0	20.8	21.2	-23.97	197.8	1,033.5	309.7	269.1	40.66	7.618		
5,700.0	5,622.3	5,668.4	5,558.9	21.2	21.7	-23.08	199.0	1,057.1	320.0	278.3	41.67	7.679		
5,800.0	5,721.9	5,773.2	5,661.4	21.6	22.2	-22.25	200.1	1,078.9	330.2	287.6	42.64	7.744		
5,900.0	5,821.5	5,878.3	5,764.5	22.0	22.6	-21.48	201.2	1,098.8	340.5	296.9	43.57	7.815		
6,000.0	5,921.3	5,983.5	5,868.2	22.3	23.1	-20.77	202.1	1,116.9	350.7	306.2	44.45	7.890		
6,100.0	6,021.2	6,089.0	5,972.5	22.6	23.6	-20.11	203.0	1,133.1	360.9	315.6	45.27	7.971		
6,200.0	6,121.2	6,194.8	6,077.2	22.9	24.0	-19.49	203.7	1,147.4	371.1	325.0	46.04	8.060		
6,300.0	6,221.2	6,300.7	6,182.4	23.1	24.5	-18.92	204.4	1,159.9	381.2	334.5	46.64	8.172		
6,305.0	6,226.2	6,306.1	6,187.7	23.1	24.5	67.11	204.4	1,160.4	381.7	335.0	46.67	8.178		
6,400.0	6,321.2	6,407.0	6,288.1	23.1	24.9	67.60	204.9	1,170.4	390.5	343.4	47.10	8.291		
6,500.0	6,421.2	6,513.6	6,394.4	23.2	25.3	68.01	205.4	1,178.9	398.1	350.6	47.51	8.380		
6,600.0	6,521.2	6,620.5	6,501.1	23.2	25.7	68.32	205.7	1,185.5	403.9	356.1	47.86	8.440		
6,700.0	6,621.2	6,727.6	6,608.1	23.2	26.0	68.53	206.0	1,190.1	408.0	359.9	48.16	8.473		
6,800.0	6,721.2	6,834.8	6,715.3	23.3	26.3	68.64	206.1	1,192.8	410.4	362.0	48.39	8.481		
6,900.0	6,821.2	6,940.7	6,821.2	23.3	26.5	68.67	206.1	1,193.4	410.9	362.5	48.49	8.474		
7,000.0	6,921.2	7,040.7	6,921.2	23.3	26.5	68.67	206.1	1,193.4	410.9	362.4	48.55	8.464		
7,100.0	7,021.2	7,140.7	7,021.2	23.4	26.5	68.67	206.1	1,193.4	410.9	362.3	48.62	8.452		
7,200.0	7,121.2	7,240.7	7,121.2	23.4	26.6	68.67	206.1	1,193.4	410.9	362.3	48.68	8.441		
7,300.0	7,221.2	7,340.7	7,221.2	23.4	26.6	68.67	206.1	1,193.4	410.9	362.2	48.75	8.430		
7,400.0	7,321.2	7,440.7	7,321.2	23.5	26.6	68.67	206.1	1,193.4	410.9	362.1	48.82	8.418		
7,500.0	7,421.2	7,540.7	7,421.2	23.5	26.7	68.67	206.1	1,193.4	410.9	362.1	48.88	8.407		
7,600.0	7,521.2	7,640.7	7,521.2	23.5	26.7	68.67	206.1	1,193.4	410.9	362.0	48.95	8.395		
7,700.0	7,621.2	7,740.7	7,621.2	23.6	26.7	68.67	206.1	1,193.4	410.9	361.9	49.02	8.384		
7,800.0	7,721.2	7,840.7	7,721.2	23.6	26.8	68.67	206.1	1,193.4	410.9	361.9	49.08	8.372		
7,900.0	7,821.2	7,940.7	7,821.2	23.6	26.8	68.67	206.1	1,193.4	410.9	361.8	49.15	8.361		
8,000.0	7,921.2	8,040.7	7,921.2	23.7	26.8	68.67	206.1	1,193.4	410.9	361.7	49.22	8.349		
8,100.0	8,021.2	8,140.7	8,021.2	23.7	26.8	68.67	206.1	1,193.4	410.9	361.7	49.29	8.337		
8,200.0	8,121.2	8,240.7	8,121.2	23.8	26.9	68.67	206.1	1,193.4	410.9	361.6	49.36	8.326		
8,300.0	8,221.2	8,340.7	8,221.2	23.8	26.9	68.67	206.1	1,193.4	410.9	361.5	49.43	8.314		
8,400.0	8,321.2	8,440.7	8,321.2	23.8	26.9	68.67	206.1	1,193.4	410.9	361.4	49.50	8.302		
8,500.0	8,421.2	8,540.7	8,421.2	23.9	27.0	68.67	206.1	1,193.4	410.9	361.4	49.57	8.290		
8,600.0	8,521.2	8,640.7	8,521.2	23.9	27.0	68.67	206.1	1,193.4	410.9	361.3	49.64	8.278		
8,700.0	8,621.2	8,740.7	8,621.2	23.9	27.0	68.67	206.1	1,193.4	410.9	361.2	49.71	8.266		
8,800.0	8,721.2	8,840.7	8,721.2	24.0	27.1	68.67	206.1	1,193.4	410.9	361.2	49.79	8.254		
8,900.0	8,821.2	8,940.7	8,821.2	24.0	27.1	68.67	206.1	1,193.4	410.9	361.1	49.86	8.242		
9,000.0	8,921.2	9,040.7	8,921.2	24.1	27.1	68.67	206.1	1,193.4	410.9	361.0	49.93	8.230		
9,100.0	9,021.2	9,140.7	9,021.2	24.1	27.2	68.67	206.1	1,193.4	410.9	360.9	50.01	8.218		
9,200.0	9,121.2	9,240.7	9,121.2	24.1	27.2	68.67	206.1	1,193.4	410.9	360.9	50.08	8.206		
9,300.0	9,221.2	9,340.7	9,221.2	24.2	27.2	68.67	206.1	1,193.4	410.9	360.8	50.15	8.194		
9,400.0	9,321.2	9,440.7	9,321.2	24.2	27.3	68.67	206.1	1,193.4	410.9	360.7	50.23	8.182		
9,500.0	9,421.2	9,540.7	9,421.2	24.3	27.3	68.67	206.1	1,193.4	410.9	360.6	50.30	8.169		
9,600.0	9,521.2	9,640.7	9,521.2	24.3	27.3	68.67	206.1	1,193.4	410.9	360.6	50.38	8.157		
9,700.0	9,621.2	9,740.7	9,621.2	24.3	27.4	68.67	206.1	1,193.4	410.9	360.5	50.45	8.145		
9,800.0	9,721.2	9,840.7	9,721.2	24.4	27.4	68.67	206.1	1,193.4	410.9	360.4	50.53	8.133		
9,900.0	9,821.2	9,940.7	9,821.2	24.4	27.4	68.67	206.1	1,193.4	410.9	360.3	50.61	8.120		
10,000.0	9,921.2	10,040.7	9,921.2	24.5	27.5	68.67	206.1	1,193.4	410.9	360.3	50.68	8.108		

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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)			
10,100.0	10,021.2	10,140.7	10,021.2	24.5	27.5	68.67	206.1	1,193.4	410.9	360.2	50.76	8.096	
10,200.0	10,121.2	10,240.7	10,121.2	24.5	27.5	68.67	206.1	1,193.4	410.9	360.1	50.84	8.083	
10,300.0	10,221.2	10,340.7	10,221.2	24.6	27.6	68.67	206.1	1,193.4	410.9	360.0	50.92	8.071	
10,400.0	10,321.2	10,440.7	10,321.2	24.6	27.6	68.67	206.1	1,193.4	410.9	360.0	51.00	8.058	
10,500.0	10,421.2	10,540.7	10,421.2	24.7	27.6	68.67	206.1	1,193.4	410.9	359.9	51.08	8.046	
10,600.0	10,521.2	10,640.7	10,521.2	24.7	27.7	68.67	206.1	1,193.4	410.9	359.8	51.15	8.033	
10,700.0	10,621.2	10,740.7	10,621.2	24.7	27.7	68.67	206.1	1,193.4	410.9	359.7	51.23	8.021	
10,800.0	10,721.2	10,840.7	10,721.2	24.8	27.8	68.67	206.1	1,193.4	410.9	359.6	51.31	8.008	
10,900.0	10,821.2	10,940.7	10,821.2	24.8	27.8	68.67	206.1	1,193.4	410.9	359.6	51.40	7.996	
11,000.0	10,921.2	11,040.7	10,921.2	24.9	27.8	68.67	206.1	1,193.4	410.9	359.5	51.48	7.983	
11,100.0	11,021.2	11,140.7	11,021.2	24.9	27.9	68.67	206.1	1,193.4	410.9	359.4	51.56	7.971	
11,200.0	11,121.2	11,240.7	11,121.2	25.0	27.9	68.67	206.1	1,193.4	410.9	359.3	51.64	7.958	
11,300.0	11,221.2	11,340.7	11,221.2	25.0	27.9	68.67	206.1	1,193.4	410.9	359.2	51.72	7.945	
11,339.3	11,260.5	11,380.0	11,260.5	25.0	28.0	68.67	206.1	1,193.4	410.9	359.2	51.74	7.942	
11,350.0	11,271.2	11,390.7	11,271.2	25.0	28.0	-110.96	206.1	1,193.4	411.0	359.4	51.62	7.962	
11,375.0	11,296.2	11,415.7	11,296.2	25.0	28.0	-111.07	206.1	1,193.4	411.4	359.8	51.61	7.972	
11,400.0	11,321.0	11,440.5	11,321.0	25.0	28.0	-111.30	206.1	1,193.4	412.3	360.8	51.57	7.996	
11,425.0	11,345.7	11,465.2	11,345.7	25.0	28.0	-111.63	206.1	1,193.4	413.7	362.2	51.50	8.033	
11,450.0	11,370.2	11,489.7	11,370.2	25.0	28.0	-112.05	206.1	1,193.4	415.7	364.3	51.41	8.085	
11,475.0	11,394.4	11,513.9	11,394.4	25.0	28.0	-112.56	206.1	1,193.4	418.2	366.9	51.29	8.153	
11,500.0	11,418.2	11,537.7	11,418.2	25.0	28.0	-113.14	206.1	1,193.4	421.3	370.1	51.13	8.239	
11,525.0	11,441.6	11,559.9	11,440.4	25.0	28.0	-113.71	206.1	1,193.4	425.0	374.1	50.87	8.354	
11,550.0	11,464.4	11,575.0	11,455.5	25.0	28.0	-113.98	206.5	1,193.4	429.7	378.9	50.77	8.463	
11,575.0	11,486.7	11,591.5	11,472.0	25.0	28.0	-114.35	207.4	1,193.4	435.4	384.9	50.58	8.609	
11,600.0	11,508.4	11,605.7	11,486.1	25.0	28.0	-114.57	208.6	1,193.4	442.3	392.0	50.37	8.781	
11,625.0	11,529.5	11,618.8	11,499.2	25.0	28.0	-114.66	210.1	1,193.4	450.4	400.3	50.13	8.986	
11,650.0	11,549.7	11,630.8	11,511.0	25.0	28.0	-114.59	211.8	1,193.4	459.7	409.9	49.85	9.222	
11,675.0	11,569.2	11,641.5	11,521.6	25.1	28.0	-114.31	213.6	1,193.4	470.3	420.7	49.55	9.492	
11,700.0	11,587.9	11,650.0	11,529.9	25.1	28.0	-113.69	215.2	1,193.3	482.0	432.8	49.24	9.790	
11,725.0	11,605.6	11,659.5	11,539.2	25.1	28.0	-113.03	217.1	1,193.3	494.9	446.0	48.87	10.127	
11,750.0	11,622.4	11,666.9	11,546.4	25.1	28.0	-111.96	218.7	1,193.3	508.9	460.4	48.51	10.491	
11,775.0	11,638.2	11,675.0	11,554.3	25.1	28.0	-110.80	220.6	1,193.3	524.0	475.9	48.11	10.892	
11,800.0	11,653.0	11,675.0	11,554.3	25.1	28.0	-108.43	220.6	1,193.3	540.1	492.2	47.83	11.290	
11,825.0	11,666.7	11,682.8	11,561.8	25.1	28.0	-106.79	222.6	1,193.3	557.0	509.6	47.40	11.751	
11,850.0	11,679.3	11,686.2	11,565.2	25.1	28.0	-104.34	223.5	1,193.3	574.7	527.7	47.03	12.220	
11,875.0	11,690.7	11,688.8	11,567.7	25.1	28.0	-101.50	224.2	1,193.3	593.2	546.5	46.67	12.711	
11,900.0	11,701.0	11,690.7	11,569.4	25.2	28.0	-98.27	224.7	1,193.2	612.2	565.9	46.31	13.221	
11,925.0	11,710.0	11,691.8	11,570.5	25.2	28.0	-94.67	225.0	1,193.2	631.8	585.9	45.96	13.748	
11,950.0	11,717.8	11,692.2	11,570.9	25.2	28.0	-90.73	225.1	1,193.2	651.9	606.2	45.62	14.290	
11,975.0	11,724.4	11,692.0	11,570.7	25.2	28.0	-86.49	225.1	1,193.2	672.2	626.9	45.28	14.845	
12,000.0	11,729.7	11,691.2	11,569.9	25.2	28.0	-82.02	224.9	1,193.2	692.9	647.9	44.96	15.412	
12,025.0	11,733.7	11,689.9	11,568.7	25.3	28.0	-77.40	224.5	1,193.3	713.7	669.0	44.64	15.987	
12,050.0	11,736.4	11,688.1	11,566.9	25.3	28.0	-72.73	224.0	1,193.3	734.6	690.2	44.33	16.571	
12,075.0	11,737.8	11,685.8	11,564.7	25.3	28.0	-68.11	223.4	1,193.3	755.5	711.5	44.02	17.161	
12,089.3	11,738.0	11,684.3	11,563.3	25.3	28.0	-65.52	223.0	1,193.3	767.5	723.6	43.85	17.501	
12,100.0	11,738.0	11,683.1	11,562.1	25.3	28.0	-65.38	222.7	1,193.3	776.4	732.7	43.73	17.755	
12,200.0	11,738.0	11,675.0	11,554.3	25.5	28.0	-64.42	220.6	1,193.3	861.9	819.2	42.67	20.199	
12,300.0	11,738.0	11,664.6	11,544.2	25.6	28.0	-63.20	218.2	1,193.3	950.0	908.1	41.86	22.694	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	0.0	0.0	3.0	3.0	50.28	133.8	161.1	209.4	202.4	6.98	29.994	
100.0	100.0	100.0	100.0	3.1	3.1	50.28	133.8	161.1	209.4	202.2	7.23	28.976	
200.0	200.0	200.0	200.0	3.2	3.2	50.28	133.8	161.1	209.4	201.9	7.47	28.048	
300.0	300.0	300.0	300.0	3.4	3.4	50.28	133.8	161.1	209.4	201.7	7.70	27.198	
400.0	400.0	400.0	400.0	3.5	3.5	50.28	133.8	161.1	209.4	201.5	7.93	26.415	
500.0	500.0	500.0	500.0	3.6	3.6	50.28	133.8	161.1	209.4	201.2	8.15	25.690	
600.0	600.0	600.0	600.0	3.7	3.7	50.28	133.8	161.1	209.4	201.0	8.37	25.015	
700.0	700.0	700.0	700.0	3.9	3.9	50.28	133.8	161.1	209.4	200.8	8.59	24.387	
800.0	800.0	800.0	800.0	4.0	4.0	50.28	133.8	161.1	209.4	200.6	8.80	23.798	
900.0	900.0	900.0	900.0	4.1	4.1	50.28	133.8	161.1	209.4	200.4	9.01	23.245	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	50.28	133.8	161.1	209.4	200.2	9.21	22.725	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	50.28	133.8	161.1	209.4	200.0	9.42	22.233	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	50.28	133.8	161.1	209.4	199.8	9.62	21.768	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	50.28	133.8	161.1	209.4	199.6	9.82	21.328	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	50.28	133.8	161.1	209.4	199.4	10.01	20.909	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	50.28	133.8	161.1	209.4	199.2	10.21	20.511	
1,600.0	1,600.0	1,594.6	1,594.6	4.9	4.9	-35.72	133.8	162.6	209.3	199.1	10.17	20.575	
1,700.0	1,699.8	1,689.2	1,689.1	5.1	5.0	-35.71	133.9	167.3	208.9	198.3	10.60	19.709	
1,800.0	1,799.5	1,783.8	1,783.4	5.3	5.2	-35.70	134.0	175.1	208.2	197.2	11.04	18.858	
1,900.0	1,898.7	1,878.5	1,877.4	5.6	5.5	-35.68	134.2	186.0	207.3	195.8	11.51	18.019	
2,000.0	1,997.5	1,973.1	1,971.0	5.9	5.8	-35.66	134.5	200.0	206.2	194.2	12.00	17.188	
2,100.0	2,095.6	2,067.8	2,064.1	6.3	6.1	-35.64	134.8	217.1	204.8	192.3	12.51	16.365	
2,159.3	2,153.6	2,124.0	2,119.0	6.4	6.3	-35.52	135.0	228.7	204.3	191.5	12.80	15.956 CC, ES	
2,200.0	2,193.4	2,162.5	2,156.6	6.5	6.5	-35.32	135.1	237.3	204.5	191.5	13.01	15.719	
2,300.0	2,291.3	2,257.1	2,248.3	6.9	6.8	-34.47	135.5	260.5	206.9	193.4	13.56	15.262	
2,400.0	2,389.1	2,354.4	2,341.9	7.2	7.2	-33.18	136.0	287.0	211.6	197.4	14.16	14.943	
2,500.0	2,486.9	2,454.1	2,437.8	7.5	7.5	-31.85	136.5	314.5	216.7	201.9	14.81	14.627	
2,600.0	2,584.7	2,553.9	2,533.7	7.9	7.9	-30.59	137.0	342.0	221.9	206.4	15.51	14.309	
2,700.0	2,682.5	2,653.6	2,629.5	8.2	8.3	-29.39	137.4	369.5	227.2	210.9	16.23	13.995	
2,800.0	2,780.3	2,753.3	2,725.4	8.6	8.6	-28.24	137.9	397.0	232.6	215.6	16.99	13.689	
2,900.0	2,878.1	2,853.1	2,821.3	9.0	9.0	-27.15	138.4	424.5	238.0	220.3	17.77	13.393	
3,000.0	2,976.0	2,952.8	2,917.2	9.4	9.4	-26.10	138.9	451.9	243.6	225.0	18.58	13.111	
3,100.0	3,073.8	3,052.6	3,013.1	9.8	9.9	-25.10	139.4	479.4	249.2	229.8	19.41	12.841	
3,200.0	3,171.6	3,152.3	3,109.0	10.2	10.3	-24.15	139.8	506.9	255.0	234.7	20.26	12.586	
3,300.0	3,269.4	3,252.1	3,204.9	10.6	10.7	-23.24	140.3	534.4	260.7	239.6	21.12	12.345	
3,400.0	3,367.2	3,351.8	3,300.7	11.0	11.1	-22.36	140.8	561.9	266.6	244.6	22.00	12.117	
3,500.0	3,465.0	3,451.6	3,396.6	11.5	11.6	-21.53	141.3	589.4	272.5	249.6	22.89	11.903	
3,600.0	3,562.8	3,551.3	3,492.5	11.9	12.0	-20.73	141.8	616.9	278.4	254.6	23.79	11.702	
3,700.0	3,660.7	3,651.1	3,588.4	12.3	12.5	-19.96	142.2	644.4	284.4	259.7	24.71	11.513	
3,800.0	3,758.5	3,750.8	3,684.3	12.8	12.9	-19.23	142.7	671.9	290.5	264.9	25.63	11.335	
3,900.0	3,856.3	3,850.6	3,780.2	13.2	13.4	-18.53	143.2	699.4	296.6	270.0	26.56	11.168	
4,000.0	3,954.1	3,950.3	3,876.0	13.6	13.9	-17.85	143.7	726.8	302.7	275.3	27.49	11.012	
4,100.0	4,051.9	4,050.1	3,971.9	14.1	14.3	-17.20	144.2	754.3	308.9	280.5	28.44	10.864	
4,200.0	4,149.7	4,149.8	4,067.8	14.5	14.8	-16.58	144.6	781.8	315.2	285.8	29.38	10.726	
4,300.0	4,247.5	4,249.6	4,163.7	15.0	15.3	-15.98	145.1	809.3	321.4	291.1	30.34	10.595	
4,400.0	4,345.4	4,349.3	4,259.6	15.4	15.7	-15.40	145.6	836.8	327.7	296.4	31.29	10.472	
4,500.0	4,443.2	4,449.1	4,355.5	15.9	16.2	-14.85	146.1	864.3	334.0	301.8	32.25	10.357	
4,600.0	4,541.0	4,548.8	4,451.3	16.3	16.7	-14.31	146.6	891.8	340.4	307.2	33.22	10.247	
4,700.0	4,638.8	4,648.6	4,547.2	16.8	17.2	-13.80	147.0	919.3	346.8	312.6	34.18	10.144	
4,800.0	4,736.6	4,748.3	4,643.1	17.2	17.6	-13.30	147.5	946.8	353.2	318.0	35.15	10.047	
4,900.0	4,834.4	4,848.1	4,739.0	17.7	18.1	-12.83	148.0	974.3	359.6	323.5	36.13	9.955	
5,000.0	4,932.3	4,947.8	4,834.9	18.1	18.6	-12.37	148.5	1,001.7	366.1	329.0	37.10	9.868	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,030.1	5,047.6	4,930.8	18.6	19.1	-11.92	149.0	1,029.2	372.6	334.5	38.08	9.784	
5,105.0	5,035.0	5,052.6	4,935.6	18.6	19.1	-11.90	149.0	1,030.6	372.9	334.8	38.13	9.780	
5,200.0	5,128.0	5,147.3	5,026.6	19.0	19.6	-11.48	149.4	1,056.7	379.8	340.8	39.05	9.727	
5,300.0	5,226.3	5,246.8	5,122.3	19.5	20.0	-11.01	149.9	1,084.1	388.8	348.8	40.02	9.716 SF	
5,400.0	5,325.0	5,346.2	5,217.8	19.9	20.5	-10.52	150.4	1,111.5	399.6	358.6	40.98	9.750	
5,500.0	5,423.8	5,445.3	5,313.1	20.4	21.0	-10.02	150.9	1,138.9	412.0	370.1	41.94	9.826	
5,600.0	5,523.0	5,544.2	5,408.2	20.8	21.5	-9.51	151.3	1,166.1	426.3	383.4	42.88	9.942	
5,700.0	5,622.3	5,642.8	5,503.0	21.2	22.0	-9.00	151.8	1,193.3	442.2	398.4	43.80	10.095	
5,800.0	5,721.9	5,741.2	5,597.5	21.6	22.5	-8.50	152.3	1,220.4	459.9	415.2	44.71	10.285	
5,900.0	5,821.5	5,839.2	5,691.7	22.0	22.9	-8.01	152.8	1,247.4	479.3	433.7	45.60	10.510	
6,000.0	5,921.3	5,936.8	5,785.6	22.3	23.4	-7.53	153.2	1,274.3	500.5	454.0	46.47	10.769	
6,100.0	6,021.2	6,034.1	5,879.1	22.6	23.9	-7.07	153.7	1,301.1	523.3	476.0	47.31	11.061	
6,200.0	6,121.2	6,130.9	5,972.2	22.9	24.4	-6.63	154.2	1,327.8	547.9	499.8	48.12	11.388	
6,300.0	6,221.2	6,227.3	6,064.8	23.1	24.8	-6.21	154.6	1,354.4	574.2	525.4	48.79	11.769	
6,305.0	6,226.2	6,232.2	6,069.5	23.1	24.9	79.81	154.7	1,355.7	575.6	526.8	48.82	11.789	
6,400.0	6,321.2	6,323.4	6,157.2	23.1	25.3	80.21	155.1	1,380.9	601.5	552.1	49.35	12.187	
6,500.0	6,421.2	6,419.6	6,249.6	23.2	25.8	80.59	155.6	1,407.4	628.7	578.8	49.92	12.596	
6,600.0	6,521.2	6,515.7	6,342.0	23.2	26.3	80.94	156.0	1,433.8	656.0	605.6	50.48	12.996	
6,700.0	6,621.2	6,611.8	6,434.4	23.2	26.7	81.27	156.5	1,460.3	683.4	632.3	51.05	13.387	
6,800.0	6,721.2	6,707.9	6,526.8	23.3	27.2	81.57	156.9	1,486.8	710.7	659.1	51.62	13.769	
6,900.0	6,821.2	6,829.5	6,644.1	23.3	27.8	81.90	157.5	1,518.7	736.8	684.4	52.36	14.072	
7,000.0	6,921.2	6,961.2	6,772.6	23.3	28.5	82.17	158.0	1,547.6	758.6	705.5	53.09	14.289	
7,100.0	7,021.2	7,095.4	6,904.7	23.4	29.1	82.38	158.4	1,571.0	775.9	722.2	53.70	14.449	
7,200.0	7,121.2	7,231.5	7,039.7	23.4	29.7	82.53	158.7	1,588.3	788.6	734.4	54.17	14.559	
7,300.0	7,221.2	7,369.0	7,176.7	23.4	30.2	82.62	158.9	1,599.3	796.6	742.1	54.47	14.624	
7,400.0	7,321.2	7,507.2	7,314.9	23.5	30.6	82.65	159.0	1,603.8	799.8	745.2	54.55	14.662	
7,500.0	7,421.2	7,613.5	7,421.2	23.5	30.7	82.65	159.0	1,603.9	799.8	745.3	54.54	14.665	
7,600.0	7,521.2	7,713.5	7,521.2	23.5	30.7	82.65	159.0	1,603.9	799.8	745.2	54.60	14.649	
7,700.0	7,621.2	7,813.5	7,621.2	23.6	30.7	82.65	159.0	1,603.9	799.8	745.2	54.66	14.634	
7,800.0	7,721.2	7,913.5	7,721.2	23.6	30.8	82.65	159.0	1,603.9	799.8	745.1	54.71	14.618	
7,900.0	7,821.2	8,013.5	7,821.2	23.6	30.8	82.65	159.0	1,603.9	799.8	745.0	54.77	14.603	
8,000.0	7,921.2	8,113.5	7,921.2	23.7	30.8	82.65	159.0	1,603.9	799.8	745.0	54.83	14.587	
8,100.0	8,021.2	8,213.5	8,021.2	23.7	30.8	82.65	159.0	1,603.9	799.8	744.9	54.89	14.571	
8,200.0	8,121.2	8,313.5	8,121.2	23.8	30.9	82.65	159.0	1,603.9	799.8	744.9	54.95	14.555	
8,300.0	8,221.2	8,413.5	8,221.2	23.8	30.9	82.65	159.0	1,603.9	799.8	744.8	55.01	14.539	
8,400.0	8,321.2	8,513.5	8,321.2	23.8	30.9	82.65	159.0	1,603.9	799.8	744.7	55.07	14.523	
8,500.0	8,421.2	8,613.5	8,421.2	23.9	30.9	82.65	159.0	1,603.9	799.8	744.7	55.13	14.507	
8,600.0	8,521.2	8,713.5	8,521.2	23.9	31.0	82.65	159.0	1,603.9	799.8	744.6	55.19	14.491	
8,700.0	8,621.2	8,813.5	8,621.2	23.9	31.0	82.65	159.0	1,603.9	799.8	744.6	55.26	14.475	
8,800.0	8,721.2	8,913.5	8,721.2	24.0	31.0	82.65	159.0	1,603.9	799.8	744.5	55.32	14.459	
8,900.0	8,821.2	9,013.5	8,821.2	24.0	31.0	82.65	159.0	1,603.9	799.8	744.4	55.38	14.442	
9,000.0	8,921.2	9,113.5	8,921.2	24.1	31.1	82.65	159.0	1,603.9	799.8	744.4	55.44	14.426	
9,100.0	9,021.2	9,213.5	9,021.2	24.1	31.1	82.65	159.0	1,603.9	799.8	744.3	55.51	14.409	
9,200.0	9,121.2	9,313.5	9,121.2	24.1	31.1	82.65	159.0	1,603.9	799.8	744.2	55.57	14.393	
9,300.0	9,221.2	9,413.5	9,221.2	24.2	31.1	82.65	159.0	1,603.9	799.8	744.2	55.64	14.376	
9,400.0	9,321.2	9,513.5	9,321.2	24.2	31.2	82.65	159.0	1,603.9	799.8	744.1	55.70	14.359	
9,500.0	9,421.2	9,613.5	9,421.2	24.3	31.2	82.65	159.0	1,603.9	799.8	744.1	55.76	14.343	
9,600.0	9,521.2	9,713.5	9,521.2	24.3	31.2	82.65	159.0	1,603.9	799.8	744.0	55.83	14.326	
9,700.0	9,621.2	9,813.5	9,621.2	24.3	31.3	82.65	159.0	1,603.9	799.8	743.9	55.90	14.309	
9,800.0	9,721.2	9,913.5	9,721.2	24.4	31.3	82.65	159.0	1,603.9	799.8	743.9	55.96	14.292	
9,900.0	9,821.2	10,013.5	9,821.2	24.4	31.3	82.65	159.0	1,603.9	799.8	743.8	56.03	14.275	
10,000.0	9,921.2	10,113.5	9,921.2	24.5	31.3	82.65	159.0	1,603.9	799.8	743.7	56.10	14.258	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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)			
10,100.0	10,021.2	10,213.5	10,021.2	24.5	31.4	82.65	159.0	1,603.9	799.8	743.7	56.16	14.241	
10,200.0	10,121.2	10,313.5	10,121.2	24.5	31.4	82.65	159.0	1,603.9	799.8	743.6	56.23	14.224	
10,300.0	10,221.2	10,413.5	10,221.2	24.6	31.4	82.65	159.0	1,603.9	799.8	743.5	56.30	14.206	
10,400.0	10,321.2	10,513.5	10,321.2	24.6	31.5	82.65	159.0	1,603.9	799.8	743.4	56.37	14.189	
10,500.0	10,421.2	10,613.5	10,421.2	24.7	31.5	82.65	159.0	1,603.9	799.8	743.4	56.44	14.172	
10,600.0	10,521.2	10,713.5	10,521.2	24.7	31.5	82.65	159.0	1,603.9	799.8	743.3	56.51	14.154	
10,700.0	10,621.2	10,813.5	10,621.2	24.7	31.6	82.65	159.0	1,603.9	799.8	743.2	56.58	14.137	
10,800.0	10,721.2	10,913.5	10,721.2	24.8	31.6	82.65	159.0	1,603.9	799.8	743.2	56.65	14.120	
10,900.0	10,821.2	11,013.5	10,821.2	24.8	31.6	82.65	159.0	1,603.9	799.8	743.1	56.72	14.102	
11,000.0	10,921.2	11,113.5	10,921.2	24.9	31.6	82.65	159.0	1,603.9	799.8	743.0	56.79	14.085	
11,100.0	11,021.2	11,213.5	11,021.2	24.9	31.7	82.65	159.0	1,603.9	799.8	743.0	56.85	14.068	
11,200.0	11,121.2	11,313.5	11,121.2	25.0	31.7	82.65	159.0	1,603.9	799.8	742.9	56.92	14.053	
11,300.0	11,221.2	11,413.5	11,221.2	25.0	31.7	82.65	159.0	1,603.9	799.8	742.8	56.98	14.037	
11,339.3	11,260.5	11,452.9	11,260.5	25.0	31.7	82.65	159.0	1,603.9	799.8	742.8	56.99	14.035	
11,350.0	11,271.2	11,462.1	11,269.8	25.0	31.7	-96.98	159.0	1,603.9	799.8	743.1	56.79	14.085	
11,375.0	11,296.2	11,482.8	11,290.5	25.0	31.7	-97.08	159.8	1,603.9	800.1	743.3	56.83	14.078	
11,400.0	11,321.0	11,503.2	11,310.8	25.0	31.7	-97.27	161.4	1,603.8	800.7	743.8	56.88	14.077	
11,425.0	11,345.7	11,525.0	11,332.4	25.0	31.7	-97.59	164.1	1,603.8	801.6	744.7	56.89	14.089	
11,450.0	11,370.2	11,541.7	11,348.9	25.0	31.7	-97.87	166.9	1,603.8	802.8	745.9	56.95	14.096	
11,475.0	11,394.4	11,559.5	11,366.4	25.0	31.7	-98.22	170.4	1,603.8	804.6	747.6	56.99	14.118	
11,500.0	11,418.2	11,575.0	11,381.4	25.0	31.7	-98.53	174.0	1,603.7	806.8	749.7	57.03	14.145	
11,525.0	11,441.6	11,591.5	11,397.4	25.0	31.7	-98.88	178.4	1,603.7	809.5	752.5	57.05	14.191	
11,550.0	11,464.4	11,605.6	11,410.8	25.0	31.7	-99.13	182.6	1,603.6	812.9	755.8	57.06	14.245	
11,575.0	11,486.7	11,618.2	11,422.7	25.0	31.7	-99.28	186.7	1,603.6	816.9	759.8	57.07	14.313	
11,600.0	11,508.4	11,629.5	11,433.3	25.0	31.7	-99.32	190.6	1,603.6	821.6	764.5	57.07	14.397	
11,625.0	11,529.5	11,639.5	11,442.6	25.0	31.7	-99.23	194.2	1,603.5	827.1	770.0	57.05	14.497	
11,650.0	11,549.7	11,650.0	11,452.3	25.0	31.7	-99.10	198.3	1,603.5	833.3	776.3	56.99	14.621	
11,675.0	11,569.2	11,655.7	11,457.5	25.1	31.7	-98.59	200.6	1,603.5	840.3	783.3	56.96	14.751	
11,700.0	11,587.9	11,662.0	11,463.2	25.1	31.7	-98.03	203.2	1,603.5	848.0	791.2	56.90	14.905	
11,725.0	11,605.6	11,667.2	11,467.9	25.1	31.7	-97.30	205.4	1,603.4	856.6	799.8	56.81	15.078	
11,750.0	11,622.4	11,675.0	11,475.0	25.1	31.7	-96.64	208.8	1,603.4	865.9	809.2	56.66	15.282	
11,775.0	11,638.2	11,675.0	11,475.0	25.1	31.7	-95.34	208.8	1,603.4	875.9	819.3	56.58	15.482	
11,800.0	11,653.0	11,675.0	11,475.0	25.1	31.7	-93.92	208.8	1,603.4	886.6	830.1	56.46	15.702	
11,825.0	11,666.7	11,675.0	11,475.0	25.1	31.7	-92.40	208.8	1,603.4	897.9	841.6	56.32	15.942	
11,850.0	11,679.3	11,675.0	11,475.0	25.1	31.7	-90.77	208.8	1,603.4	909.9	853.7	56.16	16.201	
11,875.0	11,690.7	11,675.0	11,475.0	25.1	31.7	-89.04	208.8	1,603.4	922.3	866.4	55.97	16.478	
11,900.0	11,701.0	11,675.0	11,475.0	25.2	31.7	-87.22	208.8	1,603.4	935.3	879.5	55.77	16.771	
11,925.0	11,710.0	11,675.0	11,475.0	25.2	31.7	-85.33	208.8	1,603.4	948.7	893.1	55.54	17.080	
11,950.0	11,717.8	11,675.0	11,475.0	25.2	31.7	-83.36	208.8	1,603.4	962.4	907.1	55.30	17.404	
11,975.0	11,724.4	11,675.0	11,475.0	25.2	31.7	-81.33	208.8	1,603.4	976.5	921.5	55.04	17.741	
12,000.0	11,729.7	11,675.0	11,475.0	25.2	31.7	-79.26	208.8	1,603.4	990.9	936.1	54.77	18.091	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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
0.0	0.0	0.0	0.0	3.0	3.0	-56.18	67.1	-100.2	120.6	113.7		6.98	17.284
100.0	100.0	98.0	98.0	3.1	3.1	-56.18	67.1	-100.2	120.6	113.4		7.22	16.705
200.0	200.0	198.0	198.0	3.2	3.2	-56.18	67.1	-100.2	120.6	113.2		7.46	16.168
300.0	300.0	298.0	298.0	3.4	3.4	-56.18	67.1	-100.2	120.6	112.9		7.69	15.681
400.0	400.0	398.0	398.0	3.5	3.5	-56.18	67.1	-100.2	120.6	112.7		7.92	15.233
500.0	500.0	498.0	498.0	3.6	3.6	-56.18	67.1	-100.2	120.6	112.5		8.14	14.820
600.0	600.0	598.0	598.0	3.7	3.7	-56.18	67.1	-100.2	120.6	112.3		8.36	14.436
700.0	700.0	698.0	698.0	3.9	3.9	-56.18	67.1	-100.2	120.6	112.1		8.57	14.079
800.0	800.0	798.0	798.0	4.0	4.0	-56.18	67.1	-100.2	120.6	111.9		8.78	13.745
900.0	900.0	898.0	898.0	4.1	4.1	-56.18	67.1	-100.2	120.6	111.6		8.98	13.431
1,000.0	1,000.0	998.0	998.0	4.2	4.2	-56.18	67.1	-100.2	120.6	111.4		9.18	13.137
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	-56.18	67.1	-100.2	120.6	111.3		9.38	12.859
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	-56.18	67.1	-100.2	120.6	111.1		9.58	12.597
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	-56.18	67.1	-100.2	120.6	110.9		9.77	12.348
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	-56.18	67.1	-100.2	120.6	110.7		9.96	12.112
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	-56.18	67.1	-100.2	120.6	110.5		10.15	11.888 CC, ES, SF
1,600.0	1,600.0	1,597.0	1,596.9	4.9	5.0	-143.40	66.0	-101.4	122.4	112.4		10.05	12.185
1,700.0	1,699.8	1,695.3	1,695.1	5.1	5.2	-146.89	62.6	-105.1	128.1	117.7		10.42	12.302
1,800.0	1,799.5	1,792.4	1,791.9	5.3	5.4	-151.97	57.0	-111.1	138.7	127.8		10.83	12.808
1,900.0	1,898.7	1,887.6	1,886.4	5.6	5.7	-157.77	49.3	-119.4	154.9	143.6		11.30	13.713
2,000.0	1,997.5	1,980.5	1,978.3	5.9	6.0	-163.52	39.7	-129.6	177.7	165.9		11.84	15.013
2,100.0	2,095.6	2,070.6	2,066.8	6.3	6.3	-168.71	28.5	-141.6	207.3	194.8		12.42	16.682
2,200.0	2,193.4	2,158.0	2,152.3	6.5	6.6	-173.22	15.8	-155.2	241.8	228.9		12.96	18.655
2,300.0	2,291.3	2,246.5	2,238.2	6.9	6.9	-177.04	1.4	-170.7	279.4	265.9		13.53	20.652
2,400.0	2,389.1	2,337.5	2,326.5	7.2	7.2	179.90	-13.6	-186.8	318.1	304.0		14.12	22.519
2,500.0	2,486.9	2,428.5	2,414.8	7.5	7.5	177.49	-28.6	-202.9	357.4	342.6		14.74	24.239
2,600.0	2,584.7	2,519.5	2,503.1	7.9	7.8	175.55	-43.6	-219.0	397.1	381.8		15.38	25.814
2,700.0	2,682.5	2,610.5	2,591.4	8.2	8.1	173.97	-58.6	-235.1	437.2	421.2		16.04	27.251
2,800.0	2,780.3	2,701.5	2,679.7	8.6	8.4	172.64	-73.6	-251.2	477.5	460.8		16.72	28.559
2,900.0	2,878.1	2,792.5	2,768.0	9.0	8.8	171.52	-88.7	-267.3	518.0	500.6		17.41	29.749
3,000.0	2,976.0	2,883.5	2,856.3	9.4	9.1	170.57	-103.7	-283.4	558.6	540.5		18.12	30.833
3,100.0	3,073.8	2,974.5	2,944.6	9.8	9.5	169.74	-118.7	-299.5	599.4	580.5		18.84	31.820
3,200.0	3,171.6	3,065.5	3,032.9	10.2	9.9	169.01	-133.7	-315.6	640.2	620.7		19.57	32.722
3,300.0	3,269.4	3,156.5	3,121.2	10.6	10.3	168.38	-148.7	-331.7	681.1	660.8		20.30	33.546
3,400.0	3,367.2	3,247.5	3,209.5	11.0	10.6	167.81	-163.7	-347.8	722.1	701.1		21.05	34.301
3,500.0	3,465.0	3,338.5	3,297.8	11.5	11.0	167.31	-178.7	-363.9	763.1	741.3		21.81	34.994
3,600.0	3,562.8	3,429.5	3,386.0	11.9	11.4	166.85	-193.8	-380.0	804.2	781.6		22.57	35.631
3,700.0	3,660.7	3,520.5	3,474.3	12.3	11.8	166.44	-208.8	-396.1	845.3	822.0		23.34	36.218
3,800.0	3,758.5	3,611.5	3,562.6	12.8	12.2	166.07	-223.8	-412.2	886.5	862.3		24.11	36.759
3,900.0	3,856.3	3,702.5	3,650.9	13.2	12.6	165.73	-238.8	-428.3	927.6	902.7		24.90	37.261
4,000.0	3,954.1	3,793.5	3,739.2	13.6	13.0	165.42	-253.8	-444.4	968.8	943.1		25.68	37.725

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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 #752H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11480-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	-56.19	50.4	-75.2	90.6	83.6	6.98	12.974	
100.0	100.0	99.0	99.0	3.1	3.1	-56.19	50.4	-75.2	90.6	83.3	7.22	12.537	
200.0	200.0	199.0	199.0	3.2	3.2	-56.19	50.4	-75.2	90.6	83.1	7.46	12.136	
300.0	300.0	299.0	299.0	3.4	3.4	-56.19	50.4	-75.2	90.6	82.9	7.69	11.771	
400.0	400.0	399.0	399.0	3.5	3.5	-56.19	50.4	-75.2	90.6	82.6	7.92	11.435	
500.0	500.0	499.0	499.0	3.6	3.6	-56.19	50.4	-75.2	90.6	82.4	8.14	11.124	
600.0	600.0	599.0	599.0	3.7	3.7	-56.19	50.4	-75.2	90.6	82.2	8.36	10.836	
700.0	700.0	699.0	699.0	3.9	3.9	-56.19	50.4	-75.2	90.6	82.0	8.57	10.568	
800.0	800.0	799.0	799.0	4.0	4.0	-56.19	50.4	-75.2	90.6	81.8	8.78	10.318	
900.0	900.0	899.0	899.0	4.1	4.1	-56.19	50.4	-75.2	90.6	81.6	8.98	10.082	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.19	50.4	-75.2	90.6	81.4	9.18	9.861	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.19	50.4	-75.2	90.6	81.2	9.38	9.653	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.19	50.4	-75.2	90.6	81.0	9.58	9.456	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.19	50.4	-75.2	90.6	80.8	9.77	9.270	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.19	50.4	-75.2	90.6	80.6	9.96	9.092	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.19	50.4	-75.2	90.6	80.4	10.15	8.924 CC, ES, SF	
1,600.0	1,600.0	1,598.5	1,598.4	4.9	5.0	-143.87	49.1	-76.4	92.2	82.2	10.04	9.186	
1,700.0	1,699.8	1,697.3	1,697.1	5.1	5.2	-148.56	45.3	-79.8	97.7	87.3	10.40	9.389	
1,800.0	1,799.5	1,794.9	1,794.4	5.3	5.5	-155.16	39.1	-85.4	108.0	97.2	10.82	9.989	
1,900.0	1,898.7	1,890.7	1,889.5	5.6	5.7	-162.33	30.6	-93.1	124.5	113.2	11.30	11.012	
2,000.0	1,997.5	1,984.3	1,982.0	5.9	6.0	-169.00	20.0	-102.6	147.7	135.8	11.86	12.452	
2,100.0	2,095.6	2,078.1	2,074.3	6.3	6.3	-174.58	8.0	-113.4	177.1	164.6	12.45	14.222	
2,200.0	2,193.4	2,171.8	2,166.7	6.5	6.5	-178.68	-4.1	-124.3	209.4	196.4	12.99	16.117	
2,300.0	2,291.3	2,265.5	2,259.0	6.9	6.8	178.31	-16.2	-135.2	242.3	228.8	13.55	17.887	
2,400.0	2,389.1	2,359.3	2,351.3	7.2	7.1	176.01	-28.3	-146.1	275.8	261.6	14.13	19.515	
2,500.0	2,486.9	2,453.0	2,443.6	7.5	7.4	174.21	-40.4	-157.0	309.5	294.8	14.74	21.004	
2,600.0	2,584.7	2,546.7	2,535.9	7.9	7.7	172.77	-52.5	-167.9	343.5	328.1	15.36	22.360	
2,700.0	2,682.5	2,640.5	2,628.2	8.2	8.0	171.58	-64.6	-178.8	377.6	361.6	16.01	23.594	
2,800.0	2,780.3	2,734.2	2,720.5	8.6	8.3	170.59	-76.7	-189.7	411.9	395.2	16.66	24.715	
2,900.0	2,878.1	2,827.9	2,812.8	9.0	8.7	169.75	-88.8	-200.6	446.2	428.9	17.34	25.735	
3,000.0	2,976.0	2,921.6	2,905.1	9.4	9.0	169.03	-100.9	-211.5	480.6	462.6	18.03	26.663	
3,100.0	3,073.8	3,015.4	2,997.4	9.8	9.4	168.40	-113.0	-222.4	515.1	496.4	18.73	27.509	
3,200.0	3,171.6	3,109.1	3,089.7	10.2	9.8	167.86	-125.1	-233.2	549.6	530.2	19.43	28.281	
3,300.0	3,269.4	3,202.8	3,182.0	10.6	10.1	167.37	-137.2	-244.1	584.2	564.0	20.15	28.988	
3,400.0	3,367.2	3,296.6	3,274.3	11.0	10.5	166.95	-149.3	-255.0	618.8	597.9	20.88	29.636	
3,500.0	3,465.0	3,390.3	3,366.7	11.5	10.9	166.56	-161.4	-265.9	653.4	631.8	21.61	30.231	
3,600.0	3,562.8	3,484.0	3,459.0	11.9	11.2	166.22	-173.5	-276.8	688.0	665.7	22.35	30.778	
3,700.0	3,660.7	3,577.8	3,551.3	12.3	11.6	165.91	-185.6	-287.7	722.7	699.6	23.10	31.283	
3,800.0	3,758.5	3,671.5	3,643.6	12.8	12.0	165.63	-197.7	-298.6	757.4	733.5	23.85	31.750	
3,900.0	3,856.3	3,765.2	3,735.9	13.2	12.4	165.37	-209.7	-309.5	792.1	767.5	24.61	32.182	
4,000.0	3,954.1	3,859.0	3,828.2	13.6	12.8	165.13	-221.8	-320.4	826.8	801.4	25.37	32.582	
4,100.0	4,051.9	3,952.7	3,920.5	14.1	13.2	164.91	-233.9	-331.3	861.5	835.4	26.14	32.955	
4,200.0	4,149.7	4,046.4	4,012.8	14.5	13.6	164.71	-246.0	-342.2	896.2	869.3	26.91	33.302	
4,300.0	4,247.5	4,140.2	4,105.1	15.0	14.0	164.53	-258.1	-353.0	931.0	903.3	27.69	33.626	
4,400.0	4,345.4	4,233.9	4,197.4	15.4	14.4	164.36	-270.2	-363.9	965.7	937.2	28.46	33.928	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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)			
0.0	0.0	0.0	0.0	3.0	3.0	-56.26	33.5	-50.2	60.4	53.4	6.98	8.651	
100.0	100.0	100.0	100.0	3.1	3.1	-56.26	33.5	-50.2	60.4	53.2	7.23	8.358	
200.0	200.0	200.0	200.0	3.2	3.2	-56.26	33.5	-50.2	60.4	52.9	7.46	8.091	
300.0	300.0	300.0	300.0	3.4	3.4	-56.26	33.5	-50.2	60.4	52.7	7.70	7.848	
400.0	400.0	400.0	400.0	3.5	3.5	-56.26	33.5	-50.2	60.4	52.5	7.92	7.624	
500.0	500.0	500.0	500.0	3.6	3.6	-56.26	33.5	-50.2	60.4	52.2	8.14	7.417	
600.0	600.0	600.0	600.0	3.7	3.7	-56.26	33.5	-50.2	60.4	52.0	8.36	7.225	
700.0	700.0	700.0	700.0	3.9	3.9	-56.26	33.5	-50.2	60.4	51.8	8.57	7.046	
800.0	800.0	800.0	800.0	4.0	4.0	-56.26	33.5	-50.2	60.4	51.6	8.78	6.879	
900.0	900.0	900.0	900.0	4.1	4.1	-56.26	33.5	-50.2	60.4	51.4	8.98	6.723	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-56.26	33.5	-50.2	60.4	51.2	9.18	6.575	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-56.26	33.5	-50.2	60.4	51.0	9.38	6.437	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	-56.26	33.5	-50.2	60.4	50.8	9.58	6.305	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-56.26	33.5	-50.2	60.4	50.6	9.77	6.181	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	-56.26	33.5	-50.2	60.4	50.4	9.96	6.063	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-56.26	33.5	-50.2	60.4	50.2	10.15	5.951 CC, ES	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	5.0	-143.24	33.5	-50.2	61.8	51.7	10.13	6.099	
1,700.0	1,699.8	1,699.8	1,699.8	5.1	5.1	-145.91	33.5	-50.2	66.0	55.6	10.49	6.295	
1,800.0	1,799.5	1,799.5	1,799.5	5.3	5.3	-149.64	33.5	-50.2	73.4	62.6	10.87	6.754	
1,900.0	1,898.7	1,898.7	1,898.7	5.6	5.4	-153.74	33.5	-50.2	84.2	72.9	11.29	7.460	
2,000.0	1,997.5	1,997.5	1,997.5	5.9	5.6	-157.65	33.5	-50.2	98.5	86.7	11.73	8.393	
2,100.0	2,095.6	2,095.6	2,095.6	6.3	5.7	-161.10	33.5	-50.2	116.4	104.2	12.22	9.527	
2,200.0	2,193.4	2,193.4	2,193.4	6.5	5.8	-163.93	33.5	-50.2	136.3	123.6	12.65	10.771	
2,300.0	2,291.3	2,291.3	2,291.3	6.9	5.9	-166.03	33.5	-50.2	156.4	143.3	13.10	11.935	
2,400.0	2,389.1	2,389.1	2,389.1	7.2	6.1	-167.66	33.5	-50.2	176.6	163.1	13.57	13.014	
2,500.0	2,486.9	2,486.9	2,486.9	7.5	6.2	-168.95	33.5	-50.2	197.0	183.0	14.06	14.011	
2,600.0	2,584.7	2,584.7	2,584.7	7.9	6.3	-170.00	33.5	-50.2	217.5	202.9	14.57	14.931	
2,700.0	2,682.5	2,682.5	2,682.5	8.2	6.5	-170.87	33.5	-50.2	238.0	222.9	15.08	15.779	
2,800.0	2,780.3	2,780.3	2,780.3	8.6	6.6	-171.60	33.5	-50.2	258.6	242.9	15.61	16.560	
2,900.0	2,878.1	2,878.1	2,878.1	9.0	6.7	-172.22	33.5	-50.2	279.1	263.0	16.15	17.280	
3,000.0	2,976.0	2,976.0	2,976.0	9.4	6.8	-172.76	33.5	-50.2	299.8	283.1	16.70	17.945	
3,100.0	3,073.8	3,073.8	3,073.8	9.8	6.9	-173.23	33.5	-50.2	320.4	303.1	17.26	18.559	
3,200.0	3,171.6	3,171.6	3,171.6	10.2	7.0	-173.64	33.5	-50.2	341.1	323.2	17.83	19.127	
3,300.0	3,269.4	3,269.4	3,269.4	10.6	7.2	-174.01	33.5	-50.2	361.7	343.3	18.41	19.652	
3,400.0	3,367.2	3,367.2	3,367.2	11.0	7.3	-174.33	33.5	-50.2	382.4	363.4	18.99	20.140	
3,500.0	3,465.0	3,465.0	3,465.0	11.5	7.4	-174.62	33.5	-50.2	403.1	383.6	19.58	20.593	
3,600.0	3,562.8	3,562.8	3,562.8	11.9	7.5	-174.89	33.5	-50.2	423.8	403.7	20.17	21.014	
3,700.0	3,660.7	3,660.7	3,660.7	12.3	7.6	-175.12	33.5	-50.2	444.6	423.8	20.77	21.406	
3,800.0	3,758.5	3,758.5	3,758.5	12.8	7.7	-175.34	33.5	-50.2	465.3	443.9	21.37	21.772	
3,900.0	3,856.3	3,856.3	3,856.3	13.2	7.8	-175.54	33.5	-50.2	486.0	464.0	21.98	22.114	
4,000.0	3,954.1	3,954.1	3,954.1	13.6	8.0	-175.72	33.5	-50.2	506.7	484.2	22.59	22.434	
4,100.0	4,051.9	4,051.9	4,051.9	14.1	8.1	-175.89	33.5	-50.2	527.5	504.3	23.20	22.734	
4,200.0	4,149.7	4,149.7	4,149.7	14.5	8.2	-176.05	33.5	-50.2	548.2	524.4	23.82	23.015	
4,300.0	4,247.5	4,247.5	4,247.5	15.0	8.3	-176.19	33.5	-50.2	569.0	544.5	24.44	23.279	
4,400.0	4,345.4	4,345.4	4,345.4	15.4	8.4	-176.33	33.5	-50.2	589.7	564.7	25.06	23.528	
4,500.0	4,443.2	4,443.2	4,443.2	15.9	8.5	-176.45	33.5	-50.2	610.5	584.8	25.69	23.763	
4,600.0	4,541.0	4,541.0	4,541.0	16.3	8.6	-176.57	33.5	-50.2	631.2	604.9	26.32	23.984	
4,700.0	4,638.8	4,638.8	4,638.8	16.8	8.7	-176.68	33.5	-50.2	652.0	625.0	26.95	24.193	
4,800.0	4,736.6	4,736.6	4,736.6	17.2	8.8	-176.78	33.5	-50.2	672.7	645.2	27.58	24.391	
4,900.0	4,834.4	4,834.4	4,834.4	17.7	8.9	-176.88	33.5	-50.2	693.5	665.3	28.22	24.578	
5,000.0	4,932.3	4,932.3	4,932.3	18.1	9.0	-176.97	33.5	-50.2	714.3	685.4	28.85	24.756	
5,100.0	5,030.1	5,030.1	5,030.1	18.6	9.1	-177.05	33.5	-50.2	735.0	705.5	29.49	24.921	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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	
5,105.0	5,035.0	5,035.0	5,035.0	18.6	9.1	-177.06	33.5	-50.2	736.1	706.5	29.53	24.929	
5,200.0	5,128.0	5,128.0	5,128.0	19.0	9.2	-177.14	33.5	-50.2	755.0	724.9	30.13	25.062	
5,300.0	5,226.3	5,226.3	5,226.3	19.5	9.3	-177.22	33.5	-50.2	773.3	742.6	30.75	25.147	
5,400.0	5,325.0	5,325.0	5,325.0	19.9	9.4	-177.28	33.5	-50.2	789.9	758.5	31.37	25.182	
5,500.0	5,423.8	5,423.8	5,423.8	20.4	9.5	-177.34	33.5	-50.2	804.7	772.8	31.97	25.170	
5,600.0	5,523.0	5,523.0	5,523.0	20.8	9.6	-177.39	33.5	-50.2	817.9	785.3	32.56	25.116	
5,700.0	5,622.3	5,622.3	5,622.3	21.2	9.7	-177.43	33.5	-50.2	829.3	796.1	33.14	25.024	
5,800.0	5,721.9	5,721.9	5,721.9	21.6	9.8	-177.46	33.5	-50.2	838.9	805.2	33.70	24.897	
5,900.0	5,821.5	5,821.5	5,821.5	22.0	9.9	-177.49	33.5	-50.2	846.8	812.6	34.23	24.738	
6,000.0	5,921.3	5,921.3	5,921.3	22.3	10.0	-177.51	33.5	-50.2	853.0	818.3	34.74	24.552	
6,100.0	6,021.2	6,021.2	6,021.2	22.6	10.1	-177.53	33.5	-50.2	857.5	822.3	35.22	24.345	
6,200.0	6,121.2	6,121.2	6,121.2	22.9	10.2	-177.54	33.5	-50.2	860.2	824.5	35.65	24.125	
6,300.0	6,221.2	6,221.2	6,221.2	23.1	10.3	-177.54	33.5	-50.2	861.1	825.2	35.91	23.980	
6,305.0	6,226.2	6,226.2	6,226.2	23.1	10.4	-91.54	33.5	-50.2	861.1	825.2	35.92	23.972	
6,400.0	6,321.2	6,321.2	6,321.2	23.1	10.5	-91.54	33.5	-50.2	861.1	825.1	36.01	23.911	
6,500.0	6,421.2	6,421.2	6,421.2	23.2	10.6	-91.54	33.5	-50.2	861.1	825.0	36.11	23.845	
6,600.0	6,521.2	6,521.2	6,521.2	23.2	10.7	-91.54	33.5	-50.2	861.1	824.9	36.22	23.778	
6,700.0	6,621.2	6,621.2	6,621.2	23.2	10.8	-91.54	33.5	-50.2	861.1	824.8	36.32	23.712	
6,800.0	6,721.2	6,721.2	6,721.2	23.3	10.8	-91.54	33.5	-50.2	861.1	824.7	36.42	23.646	
6,900.0	6,821.2	6,821.2	6,821.2	23.3	10.9	-91.54	33.5	-50.2	861.1	824.6	36.52	23.580	
7,000.0	6,921.2	6,921.2	6,921.2	23.3	11.0	-91.54	33.5	-50.2	861.1	824.5	36.62	23.515	
7,100.0	7,021.2	7,021.2	7,021.2	23.4	11.1	-91.54	33.5	-50.2	861.1	824.4	36.72	23.449	
7,200.0	7,121.2	7,121.2	7,121.2	23.4	11.2	-91.54	33.5	-50.2	861.1	824.3	36.83	23.383	
7,300.0	7,221.2	7,221.2	7,221.2	23.4	11.3	-91.54	33.5	-50.2	861.1	824.2	36.93	23.318	
7,400.0	7,321.2	7,321.2	7,321.2	23.5	11.4	-91.54	33.5	-50.2	861.1	824.1	37.03	23.252	
7,500.0	7,421.2	7,421.2	7,421.2	23.5	11.5	-91.54	33.5	-50.2	861.1	824.0	37.14	23.187	
7,600.0	7,521.2	7,521.2	7,521.2	23.5	11.6	-91.54	33.5	-50.2	861.1	823.9	37.24	23.122	
7,700.0	7,621.2	7,621.2	7,621.2	23.6	11.7	-91.54	33.5	-50.2	861.1	823.8	37.35	23.057	
7,800.0	7,721.2	7,721.2	7,721.2	23.6	11.8	-91.54	33.5	-50.2	861.1	823.7	37.45	22.992	
7,900.0	7,821.2	7,821.2	7,821.2	23.6	11.9	-91.54	33.5	-50.2	861.1	823.6	37.56	22.927	
8,000.0	7,921.2	7,921.2	7,921.2	23.7	12.0	-91.54	33.5	-50.2	861.1	823.5	37.67	22.862	
8,100.0	8,021.2	8,021.2	8,021.2	23.7	12.1	-91.54	33.5	-50.2	861.1	823.4	37.77	22.798	
8,200.0	8,121.2	8,121.2	8,121.2	23.8	12.2	-91.54	33.5	-50.2	861.1	823.3	37.88	22.733	
8,300.0	8,221.2	8,221.2	8,221.2	23.8	12.3	-91.54	33.5	-50.2	861.1	823.2	37.99	22.669	
8,400.0	8,321.2	8,321.2	8,321.2	23.8	12.4	-91.54	33.5	-50.2	861.1	823.0	38.10	22.605	
8,500.0	8,421.2	8,421.2	8,421.2	23.9	12.5	-91.54	33.5	-50.2	861.1	822.9	38.20	22.541	
8,600.0	8,521.2	8,521.2	8,521.2	23.9	12.6	-91.54	33.5	-50.2	861.1	822.8	38.31	22.477	
8,700.0	8,621.2	8,621.2	8,621.2	23.9	12.7	-91.54	33.5	-50.2	861.1	822.7	38.42	22.413	
8,800.0	8,721.2	8,721.2	8,721.2	24.0	12.8	-91.54	33.5	-50.2	861.1	822.6	38.53	22.349	
8,900.0	8,821.2	8,821.2	8,821.2	24.0	12.9	-91.54	33.5	-50.2	861.1	822.5	38.64	22.286	
9,000.0	8,921.2	8,921.2	8,921.2	24.1	13.0	-91.54	33.5	-50.2	861.1	822.4	38.75	22.222	
9,100.0	9,021.2	9,021.2	9,021.2	24.1	13.1	-91.54	33.5	-50.2	861.1	822.3	38.86	22.159	
9,200.0	9,121.2	9,121.2	9,121.2	24.1	13.2	-91.54	33.5	-50.2	861.1	822.2	38.97	22.096	
9,300.0	9,221.2	9,221.2	9,221.2	24.2	13.3	-91.54	33.5	-50.2	861.1	822.1	39.08	22.033	
9,400.0	9,321.2	9,321.2	9,321.2	24.2	13.3	-91.54	33.5	-50.2	861.1	821.9	39.20	21.971	
9,500.0	9,421.2	9,421.2	9,421.2	24.3	13.4	-91.54	33.5	-50.2	861.1	821.8	39.31	21.908	
9,600.0	9,521.2	9,521.2	9,521.2	24.3	13.5	-91.54	33.5	-50.2	861.1	821.7	39.42	21.846	
9,700.0	9,621.2	9,621.2	9,621.2	24.3	13.6	-91.54	33.5	-50.2	861.1	821.6	39.53	21.783	
9,800.0	9,721.2	9,721.2	9,721.2	24.4	13.7	-91.54	33.5	-50.2	861.1	821.5	39.65	21.721	
9,900.0	9,821.2	9,821.2	9,821.2	24.4	13.8	-91.54	33.5	-50.2	861.1	821.4	39.76	21.659	
10,000.0	9,921.2	9,921.2	9,921.2	24.5	13.9	-91.54	33.5	-50.2	861.1	821.3	39.87	21.598	
10,100.0	10,021.2	10,021.2	10,021.2	24.5	14.0	-91.54	33.5	-50.2	861.1	821.2	39.99	21.536	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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	10,121.2	10,121.2	10,121.2	24.5	14.1	-91.54	33.5	-50.2	861.1	821.0	40.10	21.475	
10,300.0	10,221.2	10,221.2	10,221.2	24.6	14.2	-91.54	33.5	-50.2	861.1	820.9	40.21	21.414	
10,400.0	10,321.2	10,321.2	10,321.2	24.6	14.3	-91.54	33.5	-50.2	861.1	820.8	40.33	21.353	
10,500.0	10,421.2	10,421.2	10,421.2	24.7	14.4	-91.54	33.5	-50.2	861.1	820.7	40.44	21.292	
10,600.0	10,521.2	10,521.2	10,521.2	24.7	14.5	-91.54	33.5	-50.2	861.1	820.6	40.56	21.231	
10,700.0	10,621.2	10,621.2	10,621.2	24.7	14.6	-91.54	33.5	-50.2	861.1	820.5	40.68	21.171	
10,800.0	10,721.2	10,721.2	10,721.2	24.8	14.6	-91.54	33.5	-50.2	861.1	820.4	40.79	21.110	
10,900.0	10,821.2	10,821.2	10,821.2	24.8	14.7	-91.54	33.5	-50.2	861.1	820.2	40.91	21.050	
11,000.0	10,921.2	10,921.2	10,921.2	24.9	14.8	-91.54	33.5	-50.2	861.1	820.1	41.03	20.990	
11,100.0	11,021.2	11,021.2	11,021.2	24.9	14.9	-91.54	33.5	-50.2	861.1	820.0	41.14	20.931	
11,200.0	11,121.2	11,121.2	11,121.2	25.0	15.0	-91.54	33.5	-50.2	861.1	819.9	41.26	20.871	
11,300.0	11,221.2	11,221.2	11,221.2	25.0	15.1	-91.54	33.5	-50.2	861.1	819.8	41.37	20.814	
11,339.3	11,260.5	11,260.5	11,260.5	25.0	15.1	-91.54	33.5	-50.2	861.1	819.8	41.31	20.845	
11,350.0	11,271.2	11,271.3	11,271.3	25.0	15.1	88.83	33.4	-50.2	861.1	820.0	41.19	20.909	
11,375.0	11,296.2	11,296.6	11,296.5	25.0	15.1	88.83	32.1	-50.2	861.1	819.9	41.19	20.905	
11,400.0	11,321.0	11,321.8	11,321.6	25.0	15.2	88.83	29.5	-50.1	861.0	819.8	41.20	20.900	
11,425.0	11,345.7	11,347.0	11,346.5	25.0	15.2	88.84	25.5	-50.0	860.9	819.7	41.20	20.895	
11,450.0	11,370.2	11,372.3	11,371.2	25.0	15.2	88.85	20.3	-49.8	860.8	819.6	41.21	20.890	
11,475.0	11,394.4	11,397.5	11,395.6	25.0	15.2	88.86	13.8	-49.6	860.6	819.4	41.21	20.883	
11,500.0	11,418.2	11,422.7	11,419.5	25.0	15.2	88.88	5.9	-49.3	860.4	819.2	41.22	20.875	
11,525.0	11,441.6	11,447.9	11,443.1	25.0	15.2	88.89	-3.1	-49.0	860.2	819.0	41.22	20.867	
11,550.0	11,464.4	11,473.1	11,466.1	25.0	15.3	88.92	-13.4	-48.7	860.0	818.7	41.23	20.857	
11,575.0	11,486.7	11,498.3	11,488.5	25.0	15.3	88.94	-24.9	-48.3	859.7	818.4	41.24	20.846	
11,600.0	11,508.4	11,523.5	11,510.2	25.0	15.3	88.97	-37.5	-47.9	859.3	818.1	41.25	20.834	
11,625.0	11,529.5	11,548.7	11,531.3	25.0	15.3	89.00	-51.3	-47.5	859.0	817.7	41.26	20.821	
11,650.0	11,549.7	11,573.8	11,551.6	25.0	15.4	89.03	-66.2	-47.0	858.6	817.4	41.27	20.807	
11,675.0	11,569.2	11,599.0	11,571.1	25.1	15.4	89.06	-82.1	-46.5	858.2	816.9	41.28	20.790	
11,700.0	11,587.9	11,624.1	11,589.7	25.1	15.4	89.10	-99.0	-45.9	857.8	816.5	41.29	20.773	
11,725.0	11,605.6	11,649.2	11,607.4	25.1	15.4	89.14	-116.8	-45.4	857.3	816.0	41.31	20.753	
11,750.0	11,622.4	11,674.4	11,624.1	25.1	15.5	89.19	-135.5	-44.8	856.9	815.5	41.33	20.732	
11,775.0	11,638.2	11,699.5	11,639.8	25.1	15.5	89.23	-155.1	-44.1	856.4	815.0	41.35	20.709	
11,800.0	11,653.0	11,724.6	11,654.5	25.1	15.5	89.28	-175.5	-43.5	855.8	814.5	41.38	20.685	
11,825.0	11,666.7	11,749.6	11,668.0	25.1	15.6	89.33	-196.6	-42.8	855.3	813.9	41.40	20.658	
11,850.0	11,679.3	11,774.7	11,680.4	25.1	15.6	89.38	-218.3	-42.1	854.7	813.3	41.43	20.629	
11,875.0	11,690.7	11,799.8	11,691.7	25.1	15.6	89.43	-240.7	-41.4	854.2	812.7	41.47	20.598	
11,900.0	11,701.0	11,824.8	11,701.7	25.2	15.6	89.48	-263.6	-40.6	853.6	812.1	41.50	20.566	
11,925.0	11,710.0	11,849.8	11,710.5	25.2	15.7	89.54	-287.0	-39.9	853.0	811.4	41.55	20.531	
11,950.0	11,717.8	11,874.8	11,718.1	25.2	15.7	89.60	-310.8	-39.1	852.4	810.8	41.59	20.494	
11,975.0	11,724.4	11,899.8	11,724.5	25.2	15.7	89.66	-335.0	-38.3	851.7	810.1	41.64	20.456	
12,000.0	11,729.7	11,924.8	11,729.5	25.2	15.7	89.71	-359.5	-37.5	851.1	809.4	41.69	20.415	
12,025.0	11,733.7	11,949.8	11,733.3	25.3	15.7	89.77	-384.1	-36.7	850.5	808.7	41.75	20.373	
12,050.0	11,736.4	11,974.8	11,735.7	25.3	15.7	89.83	-409.0	-35.9	849.8	808.0	41.80	20.329	
12,075.0	11,737.8	11,999.7	11,736.9	25.3	15.7	89.90	-433.9	-35.1	849.2	807.3	41.87	20.283	
12,089.3	11,738.0	12,009.5	11,737.0	25.3	15.7	89.93	-443.7	-34.8	848.8	806.9	41.89	20.264	
12,100.0	11,738.0	12,021.2	11,737.0	25.3	15.7	89.93	-455.4	-34.5	848.6	806.7	41.92	20.241	
12,200.0	11,738.0	12,102.8	11,737.0	25.5	15.8	89.93	-537.0	-33.2	847.7	805.5	42.18	20.099	
12,300.0	11,738.0	12,202.8	11,737.0	25.6	16.0	89.93	-637.0	-32.6	847.7	805.2	42.55	19.924	
12,400.0	11,738.0	12,302.8	11,737.0	25.8	16.3	89.93	-737.0	-31.9	847.7	804.7	42.97	19.730	
12,500.0	11,738.0	12,402.8	11,737.0	26.0	16.6	89.93	-836.9	-31.3	847.7	804.3	43.43	19.517	
12,600.0	11,738.0	12,502.8	11,737.0	26.3	16.9	89.93	-936.9	-30.6	847.7	803.8	43.95	19.288	
12,700.0	11,738.0	12,602.8	11,737.0	26.5	17.3	89.93	-1,036.9	-30.0	847.7	803.2	44.51	19.045	
12,800.0	11,738.0	12,702.8	11,737.0	26.8	17.7	89.93	-1,136.9	-29.3	847.7	802.6	45.12	18.789	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	11,738.0	12,802.8	11,737.0	27.1	18.1	89.93	-1,236.9	-28.7	847.7	801.9	45.76	18.524	
13,000.0	11,738.0	12,902.8	11,737.0	27.4	18.6	89.93	-1,336.9	-28.0	847.7	801.3	46.45	18.250	
13,100.0	11,738.0	13,002.8	11,737.0	27.7	19.0	89.93	-1,436.9	-27.4	847.7	800.5	47.18	17.969	
13,200.0	11,738.0	13,102.8	11,737.0	28.0	19.5	89.93	-1,536.9	-26.7	847.7	799.8	47.94	17.683	
13,300.0	11,738.0	13,202.8	11,737.0	28.4	20.0	89.93	-1,636.9	-26.1	847.7	799.0	48.74	17.394	
13,400.0	11,738.0	13,302.8	11,737.0	28.7	20.5	89.93	-1,736.9	-25.4	847.7	798.1	49.57	17.102	
13,500.0	11,738.0	13,402.8	11,737.0	29.1	21.0	89.93	-1,836.9	-24.8	847.7	797.3	50.43	16.809	
13,600.0	11,738.0	13,502.8	11,737.0	29.5	21.6	89.93	-1,936.9	-24.1	847.7	796.4	51.32	16.517	
13,700.0	11,738.0	13,602.8	11,737.0	29.9	22.1	89.93	-2,036.9	-23.5	847.7	795.5	52.24	16.226	
13,800.0	11,738.0	13,702.8	11,737.0	30.3	22.7	89.93	-2,136.9	-22.8	847.7	794.5	53.19	15.937	
13,900.0	11,738.0	13,802.8	11,737.0	30.8	23.3	89.93	-2,236.9	-22.2	847.7	793.5	54.16	15.650	
14,000.0	11,738.0	13,902.8	11,737.0	31.2	23.9	89.93	-2,336.9	-21.5	847.7	792.5	55.16	15.367	
14,100.0	11,738.0	14,002.8	11,737.0	31.7	24.5	89.93	-2,436.9	-20.9	847.7	791.5	56.18	15.088	
14,200.0	11,738.0	14,102.8	11,737.0	32.2	25.1	89.93	-2,536.9	-20.2	847.7	790.5	57.23	14.813	
14,300.0	11,738.0	14,202.8	11,737.0	32.7	25.7	89.93	-2,636.9	-19.6	847.7	789.4	58.29	14.543	
14,400.0	11,738.0	14,302.8	11,737.0	33.1	26.3	89.93	-2,736.9	-18.9	847.7	788.3	59.37	14.278	
14,500.0	11,738.0	14,402.8	11,737.0	33.7	27.0	89.93	-2,836.9	-18.3	847.7	787.2	60.47	14.019	
14,600.0	11,738.0	14,502.8	11,737.0	34.2	27.6	89.93	-2,936.9	-17.6	847.7	786.1	61.59	13.764	
14,700.0	11,738.0	14,602.8	11,737.0	34.7	28.2	89.93	-3,036.9	-17.0	847.7	785.0	62.72	13.515	
14,800.0	11,738.0	14,702.8	11,737.0	35.2	28.9	89.93	-3,136.9	-16.3	847.7	783.8	63.87	13.272	
14,900.0	11,738.0	14,802.8	11,737.0	35.8	29.6	89.93	-3,236.9	-15.7	847.7	782.7	65.04	13.035	
15,000.0	11,738.0	14,902.8	11,737.0	36.3	30.2	89.93	-3,336.9	-15.0	847.7	781.5	66.21	12.803	
15,100.0	11,738.0	15,002.8	11,737.0	36.9	30.9	89.93	-3,436.9	-14.4	847.7	780.3	67.40	12.576	
15,200.0	11,738.0	15,102.8	11,737.0	37.4	31.6	89.93	-3,536.9	-13.7	847.7	779.1	68.61	12.356	
15,300.0	11,738.0	15,202.8	11,737.0	38.0	32.2	89.93	-3,636.9	-13.1	847.7	777.9	69.82	12.141	
15,400.0	11,738.0	15,302.8	11,737.0	38.6	32.9	89.93	-3,736.9	-12.4	847.7	776.7	71.05	11.931	
15,500.0	11,738.0	15,402.8	11,737.0	39.1	33.6	89.93	-3,836.9	-11.8	847.7	775.4	72.29	11.727	
15,600.0	11,738.0	15,502.8	11,737.0	39.7	34.3	89.93	-3,936.9	-11.1	847.7	774.2	73.54	11.528	
15,700.0	11,738.0	15,602.8	11,737.0	40.3	35.0	89.93	-4,036.9	-10.5	847.7	772.9	74.79	11.334	
15,800.0	11,738.0	15,702.8	11,737.0	40.9	35.6	89.93	-4,136.9	-9.8	847.7	771.6	76.06	11.145	
15,900.0	11,738.0	15,802.8	11,737.0	41.5	36.3	89.93	-4,236.9	-9.2	847.7	770.4	77.33	10.962	
16,000.0	11,738.0	15,902.8	11,737.0	42.1	37.0	89.93	-4,336.9	-8.5	847.7	769.1	78.62	10.783	
16,100.0	11,738.0	16,002.8	11,737.0	42.8	37.7	89.93	-4,436.9	-7.9	847.7	767.8	79.91	10.609	
16,200.0	11,738.0	16,102.8	11,737.0	43.4	38.4	89.93	-4,536.9	-7.2	847.7	766.5	81.21	10.439	
16,300.0	11,738.0	16,202.8	11,737.0	44.0	39.1	89.93	-4,636.9	-6.6	847.7	765.2	82.51	10.274	
16,400.0	11,738.0	16,302.8	11,737.0	44.6	39.9	89.93	-4,736.9	-5.9	847.7	763.9	83.82	10.113	
16,500.0	11,738.0	16,402.8	11,737.0	45.3	40.6	89.93	-4,836.9	-5.3	847.7	762.6	85.14	9.956	
16,600.0	11,738.0	16,502.8	11,737.0	45.9	41.3	89.93	-4,936.9	-4.6	847.7	761.2	86.47	9.804	
16,700.0	11,738.0	16,602.8	11,737.0	46.5	42.0	89.93	-5,036.9	-3.9	847.7	759.9	87.80	9.655	
16,800.0	11,738.0	16,702.8	11,737.0	47.2	42.7	89.93	-5,136.9	-3.3	847.7	758.6	89.13	9.510	
16,900.0	11,738.0	16,802.8	11,737.0	47.8	43.4	89.93	-5,236.9	-2.6	847.7	757.2	90.48	9.369	
17,000.0	11,738.0	16,902.8	11,737.0	48.5	44.1	89.93	-5,336.9	-2.0	847.7	755.9	91.82	9.232	
17,100.0	11,738.0	17,002.8	11,737.0	49.1	44.9	89.93	-5,436.9	-1.3	847.7	754.5	93.17	9.098	
17,200.0	11,738.0	17,102.8	11,737.0	49.8	45.6	89.93	-5,536.8	-0.7	847.7	753.2	94.53	8.968	
17,300.0	11,738.0	17,202.8	11,737.0	50.5	46.3	89.93	-5,636.8	0.0	847.7	751.8	95.89	8.840	
17,400.0	11,738.0	17,302.8	11,737.0	51.1	47.0	89.93	-5,736.8	0.6	847.7	750.4	97.26	8.716	
17,500.0	11,738.0	17,402.8	11,737.0	51.8	47.7	89.93	-5,836.8	1.3	847.7	749.1	98.63	8.595	
17,600.0	11,738.0	17,502.8	11,737.0	52.4	48.5	89.93	-5,936.8	1.9	847.7	747.7	100.00	8.477	
17,700.0	11,738.0	17,602.8	11,737.0	53.1	49.2	89.93	-6,036.8	2.6	847.7	746.3	101.38	8.362	
17,800.0	11,738.0	17,702.8	11,737.0	53.8	49.9	89.93	-6,136.8	3.2	847.7	744.9	102.76	8.250	
17,900.0	11,738.0	17,802.8	11,737.0	54.5	50.6	89.93	-6,236.8	3.9	847.7	743.6	104.14	8.140	
18,000.0	11,738.0	17,902.8	11,737.0	55.1	51.4	89.93	-6,336.8	4.5	847.7	742.2	105.53	8.033	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,100.0	11,738.0	18,002.8	11,737.0	55.8	52.1	89.93	-6,436.8	5.2	847.7	740.8	106.92	7.928	
18,200.0	11,738.0	18,102.8	11,737.0	56.5	52.8	89.93	-6,536.8	5.8	847.7	739.4	108.31	7.826	
18,300.0	11,738.0	18,202.8	11,737.0	57.2	53.6	89.93	-6,636.8	6.5	847.7	738.0	109.71	7.727	
18,400.0	11,738.0	18,302.8	11,737.0	57.9	54.3	89.93	-6,736.8	7.1	847.7	736.6	111.11	7.629	
18,500.0	11,738.0	18,402.8	11,737.0	58.6	55.0	89.93	-6,836.8	7.8	847.7	735.2	112.51	7.534	
18,600.0	11,738.0	18,502.8	11,737.0	59.3	55.8	89.93	-6,936.8	8.4	847.7	733.8	113.92	7.441	
18,700.0	11,738.0	18,602.8	11,737.0	59.9	56.5	89.93	-7,036.8	9.1	847.7	732.4	115.32	7.351	
18,800.0	11,738.0	18,702.8	11,737.0	60.6	57.2	89.93	-7,136.8	9.7	847.7	731.0	116.74	7.262	
18,900.0	11,738.0	18,802.8	11,737.0	61.3	58.0	89.93	-7,236.8	10.4	847.7	729.6	118.15	7.175	
19,000.0	11,738.0	18,902.8	11,737.0	62.0	58.7	89.93	-7,336.8	11.0	847.7	728.1	119.56	7.090	
19,100.0	11,738.0	19,002.8	11,737.0	62.7	59.5	89.93	-7,436.8	11.7	847.7	726.7	120.98	7.007	
19,200.0	11,738.0	19,102.8	11,737.0	63.4	60.2	89.93	-7,536.8	12.3	847.7	725.3	122.40	6.926	
19,300.0	11,738.0	19,202.8	11,737.0	64.1	60.9	89.93	-7,636.8	13.0	847.7	723.9	123.82	6.846	
19,400.0	11,738.0	19,302.8	11,737.0	64.8	61.7	89.93	-7,736.8	13.6	847.7	722.5	125.24	6.768	
19,500.0	11,738.0	19,402.8	11,737.0	65.5	62.4	89.93	-7,836.8	14.3	847.7	721.0	126.67	6.692	
19,600.0	11,738.0	19,502.8	11,737.0	66.2	63.2	89.93	-7,936.8	14.9	847.7	719.6	128.10	6.618	
19,700.0	11,738.0	19,602.8	11,737.0	67.0	63.9	89.93	-8,036.8	15.6	847.7	718.2	129.52	6.545	
19,800.0	11,738.0	19,702.8	11,737.0	67.7	64.6	89.93	-8,136.8	16.2	847.7	716.7	130.95	6.473	
19,900.0	11,738.0	19,802.8	11,737.0	68.4	65.4	89.93	-8,236.8	16.9	847.7	715.3	132.39	6.403	
20,000.0	11,738.0	19,902.8	11,737.0	69.1	66.1	89.93	-8,336.8	17.5	847.7	713.9	133.82	6.335	
20,100.0	11,738.0	20,002.8	11,737.0	69.8	66.9	89.93	-8,436.8	18.2	847.7	712.4	135.26	6.267	
20,200.0	11,738.0	20,102.8	11,737.0	70.5	67.6	89.93	-8,536.8	18.8	847.7	711.0	136.69	6.201	
20,300.0	11,738.0	20,202.8	11,737.0	71.2	68.4	89.93	-8,636.8	19.5	847.7	709.6	138.13	6.137	
20,400.0	11,738.0	20,302.8	11,737.0	71.9	69.1	89.93	-8,736.8	20.1	847.7	708.1	139.57	6.074	
20,500.0	11,738.0	20,402.8	11,737.0	72.6	69.9	89.93	-8,836.8	20.8	847.7	706.7	141.01	6.012	
20,600.0	11,738.0	20,502.8	11,737.0	73.4	70.6	89.93	-8,936.8	21.4	847.7	705.2	142.46	5.951	
20,700.0	11,738.0	20,602.8	11,737.0	74.1	71.4	89.93	-9,036.8	22.1	847.7	703.8	143.90	5.891	
20,800.0	11,738.0	20,702.8	11,737.0	74.8	72.1	89.93	-9,136.8	22.7	847.7	702.4	145.34	5.832	
20,900.0	11,738.0	20,802.8	11,737.0	75.5	72.8	89.93	-9,236.8	23.4	847.7	700.9	146.79	5.775	
21,000.0	11,738.0	20,902.8	11,737.0	76.2	73.6	89.93	-9,336.8	24.0	847.7	699.5	148.24	5.718	
21,100.0	11,738.0	21,002.8	11,737.0	77.0	74.3	89.93	-9,436.8	24.7	847.7	698.0	149.69	5.663	
21,200.0	11,738.0	21,102.8	11,737.0	77.7	75.1	89.93	-9,536.8	25.3	847.7	696.6	151.14	5.609	
21,300.0	11,738.0	21,202.8	11,737.0	78.4	75.8	89.93	-9,636.8	26.0	847.7	695.1	152.59	5.555	
21,400.0	11,738.0	21,302.8	11,737.0	79.1	76.6	89.93	-9,736.8	26.6	847.7	693.7	154.04	5.503	
21,500.0	11,738.0	21,402.8	11,737.0	79.8	77.3	89.93	-9,836.8	27.3	847.7	692.2	155.49	5.452	
21,600.0	11,738.0	21,502.8	11,737.0	80.6	78.1	89.93	-9,936.8	28.0	847.7	690.8	156.95	5.401	
21,642.9	11,738.0	21,545.7	11,737.0	80.9	78.4	89.93	-9,979.6	28.2	847.7	690.1	157.57	5.380	
21,691.3	11,738.0	21,594.1	11,737.0	81.2	78.8	89.93	-10,028.0	28.5	847.7	689.4	158.27	5.356	
21,692.9	11,738.0	21,595.5	11,737.0	81.2	78.8	89.93	-10,029.5	28.6	847.7	689.4	158.29	5.355 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	0.0	0.0	3.0	3.0	-56.14	16.9	-25.2	30.3	23.3	6.98	4.340		
100.0	100.0	100.0	100.0	3.1	3.1	-56.14	16.9	-25.2	30.3	23.1	7.23	4.193		
200.0	200.0	200.0	200.0	3.2	3.2	-56.14	16.9	-25.2	30.3	22.8	7.46	4.059		
300.0	300.0	300.0	300.0	3.4	3.4	-56.14	16.9	-25.2	30.3	22.6	7.70	3.937		
400.0	400.0	400.0	400.0	3.5	3.5	-56.14	16.9	-25.2	30.3	22.4	7.92	3.825		
500.0	500.0	500.0	500.0	3.6	3.6	-56.14	16.9	-25.2	30.3	22.2	8.14	3.721		
600.0	600.0	600.0	600.0	3.7	3.7	-56.14	16.9	-25.2	30.3	21.9	8.36	3.625		
700.0	700.0	700.0	700.0	3.9	3.9	-56.14	16.9	-25.2	30.3	21.7	8.57	3.535		
800.0	800.0	800.0	800.0	4.0	4.0	-56.14	16.9	-25.2	30.3	21.5	8.78	3.451		
900.0	900.0	900.0	900.0	4.1	4.1	-56.14	16.9	-25.2	30.3	21.3	8.98	3.373		
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-56.14	16.9	-25.2	30.3	21.1	9.18	3.299		
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-56.14	16.9	-25.2	30.3	20.9	9.38	3.229		
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	-56.14	16.9	-25.2	30.3	20.7	9.58	3.163		
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-56.14	16.9	-25.2	30.3	20.5	9.77	3.101		
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	-56.14	16.9	-25.2	30.3	20.3	9.96	3.041		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-56.14	16.9	-25.2	30.3	20.1	10.15	2.985 CC		
1,600.0	1,600.0	1,600.8	1,600.8	4.9	4.9	-141.99	17.1	-23.4	30.3	20.2	10.11	3.001		
1,700.0	1,699.8	1,701.6	1,701.4	5.1	5.1	-141.53	17.7	-18.1	30.5	19.9	10.55	2.889		
1,800.0	1,799.5	1,802.4	1,801.9	5.3	5.3	-140.79	18.8	-9.3	30.7	19.7	11.00	2.794		
1,900.0	1,898.7	1,903.2	1,901.9	5.6	5.6	-139.76	20.3	3.0	31.1	19.6	11.45	2.714 ES, SF		
2,000.0	1,997.5	2,003.2	2,000.9	5.9	5.8	-140.76	22.0	16.8	32.9	21.0	11.92	2.761		
2,100.0	2,095.6	2,103.0	2,099.7	6.3	6.1	-144.92	23.7	30.6	37.5	25.1	12.47	3.009		
2,200.0	2,193.4	2,202.8	2,198.5	6.5	6.4	-149.40	25.4	44.3	43.8	30.8	13.05	3.358		
2,300.0	2,291.3	2,302.5	2,297.3	6.9	6.7	-152.74	27.1	58.1	50.3	36.6	13.66	3.682		
2,400.0	2,389.1	2,402.3	2,396.1	7.2	7.0	-155.31	28.8	71.9	56.9	42.6	14.30	3.979		
2,500.0	2,486.9	2,502.0	2,494.9	7.5	7.3	-157.35	30.5	85.7	63.6	48.6	14.97	4.249		
2,600.0	2,584.7	2,601.8	2,593.6	7.9	7.6	-159.00	32.2	99.5	70.4	54.7	15.66	4.494		
2,700.0	2,682.5	2,701.5	2,692.4	8.2	8.0	-160.35	33.9	113.2	77.2	60.8	16.37	4.714		
2,800.0	2,780.3	2,801.3	2,791.2	8.6	8.3	-161.49	35.6	127.0	84.0	66.9	17.10	4.913		
2,900.0	2,878.1	2,901.0	2,890.0	9.0	8.7	-162.45	37.3	140.8	90.9	73.1	17.85	5.093		
3,000.0	2,976.0	3,000.8	2,988.8	9.4	9.0	-163.28	38.9	154.6	97.8	79.2	18.61	5.256		
3,100.0	3,073.8	3,100.5	3,087.6	9.8	9.4	-164.00	40.6	168.3	104.7	85.3	19.38	5.403		
3,200.0	3,171.6	3,200.3	3,186.3	10.2	9.8	-164.63	42.3	182.1	111.7	91.5	20.17	5.537		
3,300.0	3,269.4	3,300.0	3,285.1	10.6	10.2	-165.19	44.0	195.9	118.6	97.6	20.96	5.658		
3,400.0	3,367.2	3,399.8	3,383.9	11.0	10.6	-165.68	45.7	209.7	125.6	103.8	21.76	5.769		
3,500.0	3,465.0	3,499.5	3,482.7	11.5	10.9	-166.12	47.4	223.5	132.5	109.9	22.57	5.871		
3,600.0	3,562.8	3,599.3	3,581.5	11.9	11.3	-166.52	49.1	237.2	139.5	116.1	23.39	5.964		
3,700.0	3,660.7	3,699.1	3,680.2	12.3	11.7	-166.88	50.8	251.0	146.5	122.2	24.21	6.049		
3,800.0	3,758.5	3,798.8	3,779.0	12.8	12.1	-167.21	52.5	264.8	153.4	128.4	25.04	6.128		
3,900.0	3,856.3	3,898.6	3,877.8	13.2	12.5	-167.51	54.2	278.6	160.4	134.5	25.87	6.200		
4,000.0	3,954.1	3,998.3	3,976.6	13.6	12.9	-167.78	55.9	292.4	167.4	140.7	26.71	6.268		
4,100.0	4,051.9	4,098.1	4,075.4	14.1	13.3	-168.04	57.6	306.1	174.4	146.8	27.55	6.330		
4,200.0	4,149.7	4,197.8	4,174.2	14.5	13.7	-168.27	59.3	319.9	181.4	153.0	28.40	6.388		
4,300.0	4,247.5	4,297.1	4,272.4	15.0	14.1	-168.49	60.9	333.6	188.4	159.2	29.23	6.447		
4,400.0	4,345.4	4,393.6	4,368.2	15.4	14.5	-168.76	62.4	345.9	196.5	166.4	30.06	6.536		
4,500.0	4,443.2	4,489.8	4,463.8	15.9	14.9	-169.12	63.7	356.5	206.2	175.3	30.88	6.677		
4,600.0	4,541.0	4,585.7	4,559.3	16.3	15.3	-169.54	64.9	365.5	217.5	185.9	31.69	6.865		
4,700.0	4,638.8	4,681.2	4,654.5	16.8	15.6	-170.02	65.8	373.0	230.5	198.0	32.47	7.098		
4,800.0	4,736.6	4,776.3	4,749.4	17.2	15.9	-170.52	66.5	378.8	245.1	211.9	33.24	7.374		
4,900.0	4,834.4	4,870.9	4,843.8	17.7	16.2	-171.04	67.0	383.0	261.3	227.3	33.98	7.691		
5,000.0	4,932.3	4,964.9	4,937.8	18.1	16.5	-171.56	67.3	385.6	279.1	244.4	34.68	8.049		
5,100.0	5,030.1	5,058.3	5,031.3	18.6	16.7	-172.07	67.5	386.8	298.5	263.2	35.28	8.461		

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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 Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
5,105.0	5,035.0	5,063.0	5,035.9	18.6	16.7	-172.10		67.5	386.8	299.6	264.2	35.31	8.483
5,200.0	5,128.0	5,155.1	5,128.0	19.0	16.8	-172.59		67.5	386.8	318.3	282.5	35.83	8.886
5,300.0	5,226.3	5,253.4	5,226.3	19.5	16.8	-173.01		67.5	386.8	336.5	300.1	36.36	9.254
5,400.0	5,325.0	5,352.0	5,325.0	19.9	16.9	-173.36		67.5	386.8	353.0	316.1	36.89	9.569
5,500.0	5,423.8	5,450.9	5,423.8	20.4	16.9	-173.64		67.5	386.8	367.8	330.4	37.40	9.833
5,600.0	5,523.0	5,550.1	5,523.0	20.8	17.0	-173.88		67.5	386.8	380.8	342.9	37.90	10.047
5,700.0	5,622.3	5,649.4	5,622.3	21.2	17.0	-174.07		67.5	386.8	392.2	353.8	38.39	10.215
5,800.0	5,721.9	5,748.9	5,721.9	21.6	17.0	-174.22		67.5	386.8	401.8	362.9	38.87	10.338
5,900.0	5,821.5	5,848.6	5,821.5	22.0	17.1	-174.34		67.5	386.8	409.7	370.4	39.32	10.418
6,000.0	5,921.3	5,948.4	5,921.3	22.3	17.1	-174.43		67.5	386.8	415.8	376.1	39.76	10.459
6,100.0	6,021.2	6,048.3	6,021.2	22.6	17.2	-174.49		67.5	386.8	420.3	380.1	40.17	10.463
6,200.0	6,121.2	6,148.3	6,121.2	22.9	17.2	-174.53		67.5	386.8	423.0	382.4	40.54	10.434
6,300.0	6,221.2	6,248.3	6,221.2	23.1	17.3	-174.54		67.5	386.8	423.9	383.2	40.75	10.403
6,305.0	6,226.2	6,253.3	6,226.2	23.1	17.3	-88.54		67.5	386.8	423.9	383.2	40.76	10.400
6,400.0	6,321.2	6,348.3	6,321.2	23.1	17.3	-88.54		67.5	386.8	423.9	383.1	40.83	10.382
6,500.0	6,421.2	6,448.3	6,421.2	23.2	17.4	-88.54		67.5	386.8	423.9	383.0	40.91	10.362
6,600.0	6,521.2	6,548.3	6,521.2	23.2	17.4	-88.54		67.5	386.8	423.9	382.9	40.99	10.342
6,700.0	6,621.2	6,648.3	6,621.2	23.2	17.5	-88.54		67.5	386.8	423.9	382.9	41.07	10.323
6,800.0	6,721.2	6,748.3	6,721.2	23.3	17.5	-88.54		67.5	386.8	423.9	382.8	41.15	10.303
6,900.0	6,821.2	6,848.3	6,821.2	23.3	17.6	-88.54		67.5	386.8	423.9	382.7	41.23	10.283
7,000.0	6,921.2	6,948.3	6,921.2	23.3	17.6	-88.54		67.5	386.8	423.9	382.6	41.31	10.263
7,100.0	7,021.2	7,048.3	7,021.2	23.4	17.7	-88.54		67.5	386.8	423.9	382.5	41.39	10.243
7,200.0	7,121.2	7,148.3	7,121.2	23.4	17.7	-88.54		67.5	386.8	423.9	382.5	41.47	10.222
7,300.0	7,221.2	7,248.3	7,221.2	23.4	17.8	-88.54		67.5	386.8	423.9	382.4	41.55	10.202
7,400.0	7,321.2	7,348.3	7,321.2	23.5	17.8	-88.54		67.5	386.8	423.9	382.3	41.63	10.182
7,500.0	7,421.2	7,448.3	7,421.2	23.5	17.9	-88.54		67.5	386.8	423.9	382.2	41.72	10.162
7,600.0	7,521.2	7,548.3	7,521.2	23.5	17.9	-88.54		67.5	386.8	423.9	382.1	41.80	10.142
7,700.0	7,621.2	7,648.3	7,621.2	23.6	18.0	-88.54		67.5	386.8	423.9	382.0	41.88	10.121
7,800.0	7,721.2	7,748.3	7,721.2	23.6	18.0	-88.54		67.5	386.8	423.9	382.0	41.97	10.101
7,900.0	7,821.2	7,848.3	7,821.2	23.6	18.1	-88.54		67.5	386.8	423.9	381.9	42.05	10.081
8,000.0	7,921.2	7,948.3	7,921.2	23.7	18.1	-88.54		67.5	386.8	423.9	381.8	42.14	10.060
8,100.0	8,021.2	8,048.3	8,021.2	23.7	18.2	-88.54		67.5	386.8	423.9	381.7	42.22	10.040
8,200.0	8,121.2	8,148.3	8,121.2	23.8	18.3	-88.54		67.5	386.8	423.9	381.6	42.31	10.020
8,300.0	8,221.2	8,248.3	8,221.2	23.8	18.3	-88.54		67.5	386.8	423.9	381.5	42.40	9.999
8,400.0	8,321.2	8,348.3	8,321.2	23.8	18.4	-88.54		67.5	386.8	423.9	381.4	42.48	9.979
8,500.0	8,421.2	8,448.3	8,421.2	23.9	18.4	-88.54		67.5	386.8	423.9	381.4	42.57	9.958
8,600.0	8,521.2	8,548.3	8,521.2	23.9	18.5	-88.54		67.5	386.8	423.9	381.3	42.66	9.938
8,700.0	8,621.2	8,648.3	8,621.2	23.9	18.5	-88.54		67.5	386.8	423.9	381.2	42.75	9.917
8,800.0	8,721.2	8,748.3	8,721.2	24.0	18.6	-88.54		67.5	386.8	423.9	381.1	42.83	9.897
8,900.0	8,821.2	8,848.3	8,821.2	24.0	18.6	-88.54		67.5	386.8	423.9	381.0	42.92	9.876
9,000.0	8,921.2	8,948.3	8,921.2	24.1	18.7	-88.54		67.5	386.8	423.9	380.9	43.01	9.856
9,100.0	9,021.2	9,048.3	9,021.2	24.1	18.7	-88.54		67.5	386.8	423.9	380.8	43.10	9.835
9,200.0	9,121.2	9,148.3	9,121.2	24.1	18.8	-88.54		67.5	386.8	423.9	380.7	43.19	9.815
9,300.0	9,221.2	9,248.3	9,221.2	24.2	18.8	-88.54		67.5	386.8	423.9	380.6	43.28	9.794
9,400.0	9,321.2	9,348.3	9,321.2	24.2	18.9	-88.54		67.5	386.8	423.9	380.6	43.37	9.774
9,500.0	9,421.2	9,448.3	9,421.2	24.3	19.0	-88.54		67.5	386.8	423.9	380.5	43.47	9.753
9,600.0	9,521.2	9,548.3	9,521.2	24.3	19.0	-88.54		67.5	386.8	423.9	380.4	43.56	9.732
9,700.0	9,621.2	9,648.3	9,621.2	24.3	19.1	-88.54		67.5	386.8	423.9	380.3	43.65	9.712
9,800.0	9,721.2	9,748.3	9,721.2	24.4	19.1	-88.54		67.5	386.8	423.9	380.2	43.74	9.691
9,900.0	9,821.2	9,848.3	9,821.2	24.4	19.2	-88.54		67.5	386.8	423.9	380.1	43.84	9.671
10,000.0	9,921.2	9,948.3	9,921.2	24.5	19.2	-88.54		67.5	386.8	423.9	380.0	43.93	9.650
10,100.0	10,021.2	10,048.3	10,021.2	24.5	19.3	-88.54		67.5	386.8	423.9	379.9	44.02	9.629

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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:		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	10,121.2	10,148.3	10,121.2	24.5	19.3	-88.54	67.5	386.8	423.9	379.8	44.12	9.609	
10,300.0	10,221.2	10,248.3	10,221.2	24.6	19.4	-88.54	67.5	386.8	423.9	379.7	44.21	9.588	
10,400.0	10,321.2	10,348.3	10,321.2	24.6	19.5	-88.54	67.5	386.8	423.9	379.6	44.31	9.568	
10,500.0	10,421.2	10,448.3	10,421.2	24.7	19.5	-88.54	67.5	386.8	423.9	379.5	44.40	9.547	
10,600.0	10,521.2	10,548.3	10,521.2	24.7	19.6	-88.54	67.5	386.8	423.9	379.4	44.50	9.527	
10,700.0	10,621.2	10,648.3	10,621.2	24.7	19.6	-88.54	67.5	386.8	423.9	379.3	44.60	9.506	
10,800.0	10,721.2	10,748.3	10,721.2	24.8	19.7	-88.54	67.5	386.8	423.9	379.2	44.69	9.485	
10,900.0	10,821.2	10,848.3	10,821.2	24.8	19.7	-88.54	67.5	386.8	423.9	379.1	44.79	9.465	
11,000.0	10,921.2	10,948.3	10,921.2	24.9	19.8	-88.54	67.5	386.8	423.9	379.0	44.89	9.444	
11,100.0	11,021.2	11,048.3	11,021.2	24.9	19.9	-88.54	67.5	386.8	423.9	378.9	44.98	9.424	
11,200.0	11,121.2	11,148.3	11,121.2	25.0	19.9	-88.54	67.5	386.8	423.9	378.8	45.08	9.403	
11,300.0	11,221.2	11,248.3	11,221.2	25.0	20.0	-88.54	67.5	386.8	423.9	378.7	45.18	9.383	
11,339.3	11,260.5	11,287.6	11,260.5	25.0	20.0	-88.54	67.5	386.8	423.9	378.7	45.21	9.377	
11,350.0	11,271.2	11,298.3	11,271.2	25.0	20.0	91.85	67.5	386.8	423.9	378.8	45.08	9.403	
11,375.0	11,296.2	11,323.2	11,296.2	25.0	20.0	92.00	67.5	386.8	424.0	378.9	45.09	9.403	
11,400.0	11,321.0	11,348.1	11,321.0	25.0	20.0	92.33	67.5	386.8	424.1	379.0	45.09	9.406	
11,425.0	11,345.7	11,372.8	11,345.7	25.0	20.1	92.82	67.5	386.8	424.2	379.2	45.07	9.413	
11,450.0	11,370.2	11,397.3	11,370.2	25.0	20.1	93.46	67.5	386.8	424.5	379.5	45.04	9.425	
11,475.0	11,394.4	11,421.5	11,394.4	25.0	20.1	94.23	67.5	386.8	425.0	380.0	45.00	9.445	
11,500.0	11,418.2	11,445.3	11,418.2	25.0	20.1	95.13	67.5	386.8	425.6	380.7	44.93	9.473	
11,525.0	11,441.6	11,469.3	11,442.2	25.0	20.1	96.16	67.4	386.8	426.6	381.8	44.76	9.529	
11,550.0	11,464.4	11,495.5	11,468.4	25.0	20.1	97.30	66.3	386.8	427.7	383.0	44.69	9.570	
11,575.0	11,486.7	11,522.4	11,495.2	25.0	20.1	98.43	63.7	386.8	429.0	384.4	44.63	9.614	
11,600.0	11,508.4	11,549.9	11,522.3	25.0	20.1	99.55	59.5	386.9	430.5	385.9	44.57	9.659	
11,625.0	11,529.5	11,578.0	11,549.8	25.0	20.1	100.66	53.6	386.9	432.2	387.6	44.53	9.705	
11,650.0	11,549.7	11,606.9	11,577.6	25.0	20.1	101.74	45.8	387.0	433.9	389.4	44.50	9.751	
11,675.0	11,569.2	11,636.5	11,605.6	25.1	20.1	102.81	36.1	387.0	435.8	391.3	44.50	9.794	
11,700.0	11,587.9	11,666.9	11,633.6	25.1	20.1	103.85	24.4	387.1	437.8	393.3	44.52	9.833	
11,725.0	11,605.6	11,698.1	11,661.6	25.1	20.1	104.86	10.6	387.2	439.9	395.3	44.58	9.867	
11,750.0	11,622.4	11,730.1	11,689.2	25.1	20.1	105.83	-5.5	387.3	442.0	397.3	44.67	9.894	
11,775.0	11,638.2	11,762.9	11,716.4	25.1	20.1	106.77	-23.9	387.4	444.1	399.3	44.80	9.913	
11,800.0	11,653.0	11,796.6	11,743.0	25.1	20.1	107.65	-44.7	387.6	446.2	401.2	44.97	9.922	
11,825.0	11,666.7	11,831.1	11,768.5	25.1	20.2	108.49	-67.8	387.7	448.2	403.0	45.17	9.922	
11,850.0	11,679.3	11,866.5	11,792.9	25.1	20.2	109.26	-93.4	387.9	450.1	404.7	45.41	9.912	
11,875.0	11,690.7	11,902.6	11,815.9	25.1	20.2	109.97	-121.3	388.1	451.9	406.2	45.68	9.892	
11,900.0	11,701.0	11,939.5	11,837.0	25.2	20.2	110.61	-151.5	388.2	453.6	407.6	45.98	9.864	
11,925.0	11,710.0	11,977.1	11,856.1	25.2	20.2	111.16	-183.9	388.5	455.0	408.7	46.29	9.829	
11,950.0	11,717.8	12,015.2	11,872.8	25.2	20.3	111.63	-218.2	388.7	456.3	409.6	46.61	9.789	
11,975.0	11,724.4	12,053.9	11,886.9	25.2	20.3	112.00	-254.2	388.9	457.3	410.3	46.92	9.745	
12,000.0	11,729.7	12,093.0	11,898.1	25.2	20.3	112.27	-291.6	389.2	458.0	410.8	47.22	9.699	
12,025.0	11,733.7	12,132.3	11,906.3	25.3	20.4	112.44	-330.1	389.4	458.5	411.0	47.49	9.653	
12,050.0	11,736.4	12,171.8	11,911.3	25.3	20.4	112.50	-369.3	389.7	458.6	410.9	47.73	9.608	
12,075.0	11,737.8	12,211.4	11,913.0	25.3	20.5	112.46	-408.7	389.9	458.5	410.6	47.93	9.566	
12,089.3	11,738.0	12,226.1	11,913.0	25.3	20.5	112.44	-423.5	390.0	458.4	410.5	47.96	9.558	
12,100.0	11,738.0	12,236.8	11,913.0	25.3	20.5	112.44	-434.2	390.1	458.4	410.4	47.99	9.553	
12,200.0	11,738.0	12,336.8	11,913.0	25.5	20.7	112.44	-534.2	390.7	458.4	410.2	48.26	9.498	
12,300.0	11,738.0	12,436.8	11,913.0	25.6	20.9	112.44	-634.2	391.4	458.4	409.8	48.59	9.435	
12,400.0	11,738.0	12,536.8	11,913.0	25.8	21.1	112.44	-734.2	392.0	458.4	409.5	48.95	9.364	
12,500.0	11,738.0	12,636.8	11,913.0	26.0	21.4	112.44	-834.2	392.7	458.4	409.1	49.37	9.286	
12,600.0	11,738.0	12,736.8	11,913.0	26.3	21.6	112.44	-934.2	393.3	458.4	408.6	49.82	9.201	
12,700.0	11,738.0	12,836.8	11,913.0	26.5	21.9	112.44	-1,034.2	394.0	458.4	408.1	50.32	9.111	
12,800.0	11,738.0	12,936.8	11,913.0	26.8	22.3	112.44	-1,134.2	394.6	458.4	407.6	50.86	9.014	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,900.0	11,738.0	13,036.8	11,913.0	27.1	22.6	112.44	-1,234.2	395.3	458.4	407.0	51.43	8.913	
13,000.0	11,738.0	13,136.8	11,913.0	27.4	22.9	112.44	-1,334.2	395.9	458.4	406.4	52.05	8.808	
13,100.0	11,738.0	13,236.8	11,913.0	27.7	23.3	112.44	-1,434.2	396.6	458.4	405.7	52.70	8.699	
13,200.0	11,738.0	13,336.8	11,913.0	28.0	23.7	112.44	-1,534.2	397.2	458.4	405.0	53.38	8.587	
13,300.0	11,738.0	13,436.8	11,913.0	28.4	24.1	112.44	-1,634.2	397.9	458.4	404.3	54.10	8.473	
13,400.0	11,738.0	13,536.8	11,913.0	28.7	24.6	112.44	-1,734.2	398.6	458.4	403.6	54.86	8.357	
13,500.0	11,738.0	13,636.8	11,913.0	29.1	25.0	112.44	-1,834.2	399.2	458.4	402.8	55.64	8.239	
13,600.0	11,738.0	13,736.8	11,913.0	29.5	25.5	112.44	-1,934.2	399.9	458.4	402.0	56.46	8.120	
13,700.0	11,738.0	13,836.8	11,913.0	29.9	25.9	112.44	-2,034.2	400.5	458.4	401.1	57.30	8.001	
13,800.0	11,738.0	13,936.8	11,913.0	30.3	26.4	112.44	-2,134.2	401.2	458.4	400.3	58.17	7.881	
13,900.0	11,738.0	14,036.8	11,913.0	30.8	26.9	112.44	-2,234.2	401.8	458.4	399.4	59.07	7.761	
14,000.0	11,738.0	14,136.8	11,913.0	31.2	27.4	112.44	-2,334.2	402.5	458.4	398.4	59.99	7.642	
14,100.0	11,738.0	14,236.8	11,913.0	31.7	28.0	112.44	-2,434.2	403.1	458.4	397.5	60.93	7.523	
14,200.0	11,738.0	14,336.8	11,913.0	32.2	28.5	112.44	-2,534.2	403.8	458.4	396.5	61.90	7.406	
14,300.0	11,738.0	14,436.8	11,913.0	32.7	29.0	112.44	-2,634.1	404.4	458.4	395.5	62.89	7.289	
14,400.0	11,738.0	14,536.8	11,913.0	33.1	29.6	112.44	-2,734.1	405.1	458.4	394.5	63.90	7.174	
14,500.0	11,738.0	14,636.8	11,913.0	33.7	30.2	112.44	-2,834.1	405.7	458.4	393.5	64.93	7.060	
14,600.0	11,738.0	14,736.8	11,913.0	34.2	30.7	112.44	-2,934.1	406.4	458.4	392.4	65.98	6.948	
14,700.0	11,738.0	14,836.8	11,913.0	34.7	31.3	112.44	-3,034.1	407.0	458.4	391.4	67.05	6.837	
14,800.0	11,738.0	14,936.8	11,913.0	35.2	31.9	112.44	-3,134.1	407.7	458.4	390.3	68.13	6.729	
14,900.0	11,738.0	15,036.8	11,913.0	35.8	32.5	112.44	-3,234.1	408.3	458.4	389.2	69.23	6.622	
15,000.0	11,738.0	15,136.8	11,913.0	36.3	33.1	112.44	-3,334.1	409.0	458.4	388.1	70.35	6.517	
15,100.0	11,738.0	15,236.8	11,913.0	36.9	33.7	112.44	-3,434.1	409.6	458.4	386.9	71.48	6.414	
15,200.0	11,738.0	15,336.8	11,913.0	37.4	34.3	112.44	-3,534.1	410.3	458.4	385.8	72.62	6.312	
15,300.0	11,738.0	15,436.8	11,913.0	38.0	34.9	112.44	-3,634.1	410.9	458.4	384.6	73.78	6.213	
15,400.0	11,738.0	15,536.8	11,913.0	38.6	35.6	112.44	-3,734.1	411.6	458.4	383.5	74.95	6.116	
15,500.0	11,738.0	15,636.8	11,913.0	39.1	36.2	112.44	-3,834.1	412.2	458.4	382.3	76.13	6.021	
15,600.0	11,738.0	15,736.8	11,913.0	39.7	36.8	112.44	-3,934.1	412.9	458.4	381.1	77.33	5.928	
15,700.0	11,738.0	15,836.8	11,913.0	40.3	37.5	112.44	-4,034.1	413.5	458.4	379.9	78.53	5.837	
15,800.0	11,738.0	15,936.8	11,913.0	40.9	38.1	112.44	-4,134.1	414.2	458.4	378.7	79.75	5.748	
15,900.0	11,738.0	16,036.8	11,913.0	41.5	38.8	112.44	-4,234.1	414.8	458.4	377.5	80.98	5.661	
16,000.0	11,738.0	16,136.8	11,913.0	42.1	39.4	112.44	-4,334.1	415.5	458.4	376.2	82.21	5.576	
16,100.0	11,738.0	16,236.8	11,913.0	42.8	40.1	112.44	-4,434.1	416.1	458.4	375.0	83.46	5.493	
16,200.0	11,738.0	16,336.8	11,913.0	43.4	40.7	112.44	-4,534.1	416.8	458.4	373.7	84.71	5.412	
16,300.0	11,738.0	16,436.8	11,913.0	44.0	41.4	112.44	-4,634.1	417.4	458.4	372.5	85.97	5.332	
16,400.0	11,738.0	16,536.8	11,913.0	44.6	42.1	112.44	-4,734.1	418.1	458.4	371.2	87.24	5.255	
16,500.0	11,738.0	16,636.8	11,913.0	45.3	42.7	112.44	-4,834.1	418.7	458.4	369.9	88.52	5.179	
16,600.0	11,738.0	16,736.8	11,913.0	45.9	43.4	112.44	-4,934.1	419.4	458.4	368.6	89.81	5.105	
16,700.0	11,738.0	16,836.8	11,913.0	46.5	44.1	112.44	-5,034.1	420.0	458.4	367.3	91.10	5.032	
16,800.0	11,738.0	16,936.8	11,913.0	47.2	44.8	112.44	-5,134.1	420.7	458.4	366.0	92.40	4.961	
16,900.0	11,738.0	17,036.8	11,913.0	47.8	45.5	112.44	-5,234.1	421.3	458.4	364.7	93.70	4.892	
17,000.0	11,738.0	17,136.8	11,913.0	48.5	46.1	112.44	-5,334.1	422.0	458.4	363.4	95.01	4.825	
17,100.0	11,738.0	17,236.8	11,913.0	49.1	46.8	112.44	-5,434.1	422.6	458.4	362.1	96.33	4.759	
17,200.0	11,738.0	17,336.8	11,913.0	49.8	47.5	112.44	-5,534.1	423.3	458.4	360.8	97.66	4.694	
17,300.0	11,738.0	17,436.8	11,913.0	50.5	48.2	112.44	-5,634.1	423.9	458.4	359.4	98.98	4.631	
17,400.0	11,738.0	17,536.8	11,913.0	51.1	48.9	112.44	-5,734.1	424.6	458.4	358.1	100.32	4.570	
17,500.0	11,738.0	17,636.8	11,913.0	51.8	49.6	112.44	-5,834.1	425.2	458.4	356.8	101.66	4.510	
17,600.0	11,738.0	17,736.8	11,913.0	52.4	50.3	112.44	-5,934.1	425.9	458.4	355.4	103.00	4.451	
17,700.0	11,738.0	17,836.8	11,913.0	53.1	51.0	112.44	-6,034.1	426.5	458.4	354.1	104.35	4.393	
17,800.0	11,738.0	17,936.8	11,913.0	53.8	51.7	112.44	-6,134.1	427.2	458.4	352.7	105.70	4.337	
17,900.0	11,738.0	18,036.8	11,913.0	54.5	52.4	112.44	-6,234.1	427.8	458.4	351.4	107.06	4.282	
18,000.0	11,738.0	18,136.8	11,913.0	55.1	53.1	112.44	-6,334.1	428.5	458.4	350.0	108.42	4.228	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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 Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,100.0	11,738.0	18,236.8	11,913.0	55.8	53.8	112.44	-6,434.1	429.1	458.4	348.6	109.79	4.176	
18,200.0	11,738.0	18,336.8	11,913.0	56.5	54.5	112.44	-6,534.1	429.8	458.4	347.3	111.16	4.124	
18,300.0	11,738.0	18,436.8	11,913.0	57.2	55.2	112.44	-6,634.1	430.4	458.4	345.9	112.53	4.074	
18,400.0	11,738.0	18,536.8	11,913.0	57.9	56.0	112.44	-6,734.1	431.1	458.4	344.5	113.91	4.025	
18,500.0	11,738.0	18,636.8	11,913.0	58.6	56.7	112.44	-6,834.1	431.8	458.4	343.1	115.29	3.976	
18,600.0	11,738.0	18,736.8	11,913.0	59.3	57.4	112.44	-6,934.1	432.4	458.4	341.8	116.67	3.929	
18,700.0	11,738.0	18,836.8	11,913.0	59.9	58.1	112.44	-7,034.1	433.1	458.4	340.4	118.06	3.883	
18,800.0	11,738.0	18,936.8	11,913.0	60.6	58.8	112.44	-7,134.1	433.7	458.4	339.0	119.45	3.838	
18,900.0	11,738.0	19,036.8	11,913.0	61.3	59.5	112.44	-7,234.1	434.4	458.4	337.6	120.84	3.794	
19,000.0	11,738.0	19,136.8	11,913.0	62.0	60.3	112.44	-7,334.0	435.0	458.4	336.2	122.24	3.750	
19,100.0	11,738.0	19,236.8	11,913.0	62.7	61.0	112.44	-7,434.0	435.7	458.4	334.8	123.63	3.708	
19,200.0	11,738.0	19,336.8	11,913.0	63.4	61.7	112.44	-7,534.0	436.3	458.4	333.4	125.04	3.666	
19,300.0	11,738.0	19,436.8	11,913.0	64.1	62.4	112.44	-7,634.0	437.0	458.4	332.0	126.44	3.626	
19,400.0	11,738.0	19,536.8	11,913.0	64.8	63.1	112.44	-7,734.0	437.6	458.4	330.6	127.85	3.586	
19,500.0	11,738.0	19,636.8	11,913.0	65.5	63.9	112.44	-7,834.0	438.3	458.4	329.2	129.25	3.547	
19,600.0	11,738.0	19,736.8	11,913.0	66.2	64.6	112.44	-7,934.0	438.9	458.4	327.8	130.67	3.508	
19,700.0	11,738.0	19,836.8	11,913.0	67.0	65.3	112.44	-8,034.0	439.6	458.4	326.3	132.08	3.471	
19,800.0	11,738.0	19,936.8	11,913.0	67.7	66.0	112.44	-8,134.0	440.2	458.4	324.9	133.49	3.434	
19,900.0	11,738.0	20,036.8	11,913.0	68.4	66.8	112.44	-8,234.0	440.9	458.4	323.5	134.91	3.398	
20,000.0	11,738.0	20,136.8	11,913.0	69.1	67.5	112.44	-8,334.0	441.5	458.4	322.1	136.33	3.363	
20,100.0	11,738.0	20,236.8	11,913.0	69.8	68.2	112.44	-8,434.0	442.2	458.4	320.7	137.75	3.328	
20,200.0	11,738.0	20,336.8	11,913.0	70.5	69.0	112.44	-8,534.0	442.8	458.4	319.2	139.18	3.294	
20,300.0	11,738.0	20,436.8	11,913.0	71.2	69.7	112.44	-8,634.0	443.5	458.4	317.8	140.60	3.260	
20,400.0	11,738.0	20,536.8	11,913.0	71.9	70.4	112.44	-8,734.0	444.1	458.4	316.4	142.03	3.228	
20,500.0	11,738.0	20,636.8	11,913.0	72.6	71.2	112.44	-8,834.0	444.8	458.4	315.0	143.46	3.196	
20,600.0	11,738.0	20,736.8	11,913.0	73.4	71.9	112.44	-8,934.0	445.4	458.4	313.5	144.89	3.164	
20,700.0	11,738.0	20,836.8	11,913.0	74.1	72.6	112.44	-9,034.0	446.1	458.4	312.1	146.32	3.133	
20,800.0	11,738.0	20,936.8	11,913.0	74.8	73.4	112.44	-9,134.0	446.7	458.4	310.7	147.76	3.103	
20,900.0	11,738.0	21,036.8	11,913.0	75.5	74.1	112.44	-9,234.0	447.4	458.4	309.2	149.19	3.073	
21,000.0	11,738.0	21,136.8	11,913.0	76.2	74.8	112.44	-9,334.0	448.0	458.4	307.8	150.63	3.043	
21,100.0	11,738.0	21,236.8	11,913.0	77.0	75.6	112.44	-9,434.0	448.7	458.4	306.4	152.07	3.015	
21,200.0	11,738.0	21,336.8	11,913.0	77.7	76.3	112.44	-9,534.0	449.3	458.4	304.9	153.51	2.986	
21,300.0	11,738.0	21,436.8	11,913.0	78.4	77.0	112.44	-9,634.0	450.0	458.4	303.5	154.95	2.959	
21,400.0	11,738.0	21,536.8	11,913.0	79.1	77.8	112.44	-9,734.0	450.6	458.4	302.0	156.39	2.931	
21,500.0	11,738.0	21,636.8	11,913.0	79.8	78.5	112.44	-9,834.0	451.3	458.4	300.6	157.84	2.904	
21,600.0	11,738.0	21,736.8	11,913.0	80.6	79.2	112.44	-9,934.0	451.9	458.4	299.1	159.28	2.878	
21,642.9	11,738.0	21,779.7	11,913.0	80.9	79.6	112.44	-9,976.9	452.2	458.4	298.5	159.90	2.867	
21,691.2	11,738.0	21,828.0	11,913.0	81.2	79.9	112.44	-10,025.2	452.5	458.4	297.8	160.60	2.855	
21,692.9	11,738.0	21,829.6	11,913.0	81.2	79.9	112.44	-10,026.8	452.5	458.4	297.8	160.62	2.854	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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	123.68	-16.8	25.1	30.2	23.2	6.98	4.329	
100.0	100.0	101.0	101.0	3.1	3.1	123.68	-16.8	25.1	30.2	23.0	7.23	4.182	
200.0	200.0	201.0	201.0	3.2	3.3	123.68	-16.8	25.1	30.2	22.8	7.46	4.049	
300.0	300.0	301.0	301.0	3.4	3.4	123.68	-16.8	25.1	30.2	22.5	7.70	3.927	
400.0	400.0	401.0	401.0	3.5	3.5	123.68	-16.8	25.1	30.2	22.3	7.92	3.815	
500.0	500.0	501.0	501.0	3.6	3.6	123.68	-16.8	25.1	30.2	22.1	8.14	3.711	
600.0	600.0	601.0	601.0	3.7	3.7	123.68	-16.8	25.1	30.2	21.9	8.36	3.616	
700.0	700.0	701.0	701.0	3.9	3.9	123.68	-16.8	25.1	30.2	21.7	8.57	3.526	
800.0	800.0	801.0	801.0	4.0	4.0	123.68	-16.8	25.1	30.2	21.4	8.78	3.443	
900.0	900.0	901.0	901.0	4.1	4.1	123.68	-16.8	25.1	30.2	21.2	8.98	3.364	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.68	-16.8	25.1	30.2	21.0	9.18	3.290	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.68	-16.8	25.1	30.2	20.8	9.38	3.221	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.68	-16.8	25.1	30.2	20.6	9.58	3.155	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.68	-16.8	25.1	30.2	20.5	9.77	3.093	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.68	-16.8	25.1	30.2	20.3	9.96	3.034	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.68	-16.8	25.1	30.2	20.1	10.09	2.997 CC	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.68	-16.8	25.2	30.2	20.2	10.02	3.016	
1,504.2	1,504.2	1,505.2	1,505.2	4.8	4.8	37.68	-16.8	25.2	30.2	20.4	9.83	3.075	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	37.75	-16.7	26.9	30.3	20.2	10.12	2.993	
1,700.0	1,699.8	1,699.3	1,699.1	5.1	5.1	38.03	-16.5	32.1	30.4	19.8	10.56	2.876	
1,800.0	1,799.5	1,798.4	1,797.9	5.3	5.3	38.53	-16.2	40.7	30.5	19.5	11.02	2.771	
1,900.0	1,898.7	1,897.6	1,896.3	5.6	5.6	39.22	-15.8	52.7	30.7	19.2	11.49	2.676	
2,000.0	1,997.5	1,996.7	1,994.3	5.9	5.9	40.11	-15.3	68.1	31.0	19.0	11.97	2.590	
2,100.0	2,095.6	2,095.9	2,091.6	6.3	6.2	41.19	-14.6	86.9	31.3	18.9	12.46	2.514 ES, SF	
2,200.0	2,193.4	2,195.0	2,188.2	6.5	6.6	40.42	-13.8	109.0	33.0	20.1	12.97	2.547	
2,300.0	2,291.3	2,294.9	2,285.2	6.9	6.9	37.88	-13.0	133.1	36.3	22.7	13.55	2.674	
2,400.0	2,389.1	2,394.9	2,382.1	7.2	7.2	35.75	-12.1	157.3	39.5	25.4	14.18	2.788	
2,500.0	2,486.9	2,494.8	2,479.1	7.5	7.6	33.95	-11.3	181.5	42.9	28.0	14.85	2.887	
2,600.0	2,584.7	2,594.7	2,576.1	7.9	8.0	32.42	-10.5	205.6	46.2	30.7	15.55	2.975	
2,700.0	2,682.5	2,694.7	2,673.0	8.2	8.3	31.09	-9.6	229.8	49.6	33.4	16.27	3.051	
2,800.0	2,780.3	2,794.6	2,770.0	8.6	8.7	29.93	-8.8	254.0	53.1	36.1	17.02	3.118	
2,900.0	2,878.1	2,894.5	2,867.0	9.0	9.1	28.91	-7.9	278.1	56.5	38.7	17.79	3.177	
3,000.0	2,976.0	2,994.5	2,963.9	9.4	9.5	28.01	-7.1	302.3	60.0	41.4	18.58	3.228	
3,100.0	3,073.8	3,094.4	3,060.9	9.8	9.9	27.21	-6.2	326.4	63.4	44.1	19.38	3.274	
3,200.0	3,171.6	3,194.3	3,157.9	10.2	10.3	26.50	-5.4	350.6	66.9	46.7	20.20	3.314	
3,300.0	3,269.4	3,294.3	3,254.8	10.6	10.8	25.85	-4.6	374.8	70.4	49.4	21.03	3.349	
3,400.0	3,367.2	3,394.2	3,351.8	11.0	11.2	25.26	-3.7	398.9	73.9	52.0	21.87	3.381	
3,500.0	3,465.0	3,494.1	3,448.8	11.5	11.6	24.73	-2.9	423.1	77.4	54.7	22.71	3.408	
3,600.0	3,562.8	3,594.1	3,545.7	11.9	12.1	24.24	-2.0	447.2	80.9	57.4	23.57	3.433	
3,700.0	3,660.7	3,694.0	3,642.7	12.3	12.5	23.80	-1.2	471.4	84.5	60.0	24.44	3.456	
3,800.0	3,758.5	3,794.0	3,739.7	12.8	13.0	23.39	-0.3	495.6	88.0	62.7	25.31	3.476	
3,900.0	3,856.3	3,893.9	3,836.6	13.2	13.4	23.01	0.5	519.7	91.5	65.3	26.19	3.494	
4,000.0	3,954.1	3,993.8	3,933.6	13.6	13.9	22.66	1.4	543.9	95.0	68.0	27.07	3.510	
4,100.0	4,051.9	4,093.8	4,030.6	14.1	14.3	22.33	2.2	568.1	98.6	70.6	27.96	3.525	
4,200.0	4,149.7	4,193.7	4,127.5	14.5	14.8	22.03	3.0	592.2	102.1	73.3	28.85	3.539	
4,300.0	4,247.5	4,293.6	4,224.5	15.0	15.2	21.75	3.9	616.4	105.6	75.9	29.75	3.551	
4,400.0	4,345.4	4,393.6	4,321.5	15.4	15.7	21.48	4.7	640.5	109.2	78.5	30.65	3.562	
4,500.0	4,443.2	4,493.5	4,418.4	15.9	16.2	21.24	5.6	664.7	112.7	81.2	31.55	3.573	
4,600.0	4,541.0	4,593.4	4,515.4	16.3	16.6	21.00	6.4	688.9	116.3	83.8	32.46	3.582	
4,700.0	4,638.8	4,693.4	4,612.4	16.8	17.1	20.78	7.3	713.0	119.8	86.5	33.37	3.591	
4,800.0	4,736.6	4,793.3	4,709.3	17.2	17.6	20.58	8.1	737.2	123.4	89.1	34.28	3.599	
4,900.0	4,834.4	4,893.3	4,806.3	17.7	18.0	20.38	8.9	761.4	126.9	91.7	35.20	3.606	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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							Rule Assigned:				Offset Well Error:		3.0 usft
Measured Depth	Vertical Reference	Measured Depth	Vertical Offset	Reference	Semi Major Axis	Highside Toolface	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)				
5,000.0	4,932.3	4,993.2	4,903.3	18.1	18.5	20.20	9.8	785.5	130.5	94.4	36.11	3.613			
5,100.0	5,030.1	5,093.1	5,000.2	18.6	19.0	20.03	10.6	809.7	134.0	97.0	37.03	3.619			
5,105.0	5,035.0	5,098.2	5,005.1	18.6	19.0	20.02	10.7	810.9	134.2	97.1	37.08	3.619			
5,200.0	5,128.0	5,193.0	5,097.2	19.0	19.4	19.76	11.5	833.8	138.3	100.4	37.96	3.644			
5,300.0	5,226.3	5,292.8	5,194.0	19.5	19.9	19.29	12.3	858.0	144.3	105.3	38.92	3.707			
5,400.0	5,325.0	5,392.5	5,290.8	19.9	20.4	18.65	13.2	882.1	151.9	112.0	39.89	3.807			
5,500.0	5,423.8	5,492.1	5,387.3	20.4	20.9	17.89	14.0	906.1	161.1	120.3	40.88	3.942			
5,600.0	5,523.0	5,591.4	5,483.8	20.8	21.3	17.04	14.8	930.2	172.1	130.2	41.86	4.111			
5,700.0	5,622.3	5,690.6	5,580.0	21.2	21.8	16.15	15.7	954.1	184.8	141.9	42.84	4.313			
5,800.0	5,721.9	5,789.5	5,675.9	21.6	22.3	15.25	16.5	978.0	199.1	155.3	43.80	4.546			
5,900.0	5,821.5	5,888.2	5,771.7	22.0	22.8	14.35	17.3	1,001.9	215.2	170.5	44.74	4.810			
6,000.0	5,921.3	5,986.5	5,867.1	22.3	23.2	13.49	18.2	1,025.7	233.0	187.4	45.66	5.104			
6,100.0	6,021.2	6,084.5	5,962.2	22.6	23.7	12.67	19.0	1,049.4	252.5	206.0	46.54	5.426			
6,200.0	6,121.2	6,183.8	6,058.6	22.9	24.2	11.89	19.8	1,073.3	273.7	226.3	47.38	5.776			
6,300.0	6,221.2	6,286.4	6,158.5	23.1	24.6	11.18	20.7	1,096.6	295.2	247.1	48.12	6.134			
6,305.0	6,226.2	6,291.6	6,163.6	23.1	24.7	97.15	20.7	1,097.7	296.3	248.1	48.16	6.152			
6,400.0	6,321.2	6,389.7	6,259.4	23.1	25.1	96.54	21.4	1,118.2	315.9	267.2	48.72	6.484			
6,500.0	6,421.2	6,493.7	6,361.5	23.2	25.6	96.03	22.1	1,138.1	334.9	285.6	49.28	6.795			
6,600.0	6,521.2	6,598.4	6,464.6	23.2	26.1	95.61	22.7	1,156.4	352.2	302.3	49.82	7.068			
6,700.0	6,621.2	6,703.7	6,568.6	23.2	26.5	95.26	23.3	1,172.8	367.6	317.3	50.33	7.304			
6,800.0	6,721.2	6,809.6	6,673.5	23.3	27.0	94.98	23.8	1,187.4	381.3	330.5	50.81	7.504			
6,900.0	6,821.2	6,916.0	6,779.2	23.3	27.4	94.76	24.3	1,200.0	393.1	341.9	51.26	7.670			
7,000.0	6,921.2	7,022.9	6,885.5	23.3	27.9	94.58	24.6	1,210.8	403.2	351.5	51.67	7.802			
7,100.0	7,021.2	7,130.1	6,992.4	23.4	28.3	94.44	25.0	1,219.6	411.3	359.3	52.05	7.902			
7,200.0	7,121.2	7,237.7	7,099.7	23.4	28.6	94.33	25.2	1,226.5	417.6	365.2	52.39	7.971			
7,300.0	7,221.2	7,345.4	7,207.4	23.4	29.0	94.26	25.4	1,231.3	422.1	369.4	52.68	8.012			
7,400.0	7,321.2	7,453.3	7,315.2	23.5	29.3	94.22	25.5	1,234.1	424.7	371.8	52.91	8.026			
7,500.0	7,421.2	7,560.3	7,422.2	23.5	29.5	94.21	25.5	1,234.9	425.4	372.4	53.00	8.026			
7,600.0	7,521.2	7,660.3	7,522.2	23.5	29.5	94.21	25.5	1,234.9	425.4	372.3	53.05	8.018			
7,700.0	7,621.2	7,760.3	7,622.2	23.6	29.5	94.21	25.5	1,234.9	425.4	372.3	53.11	8.010			
7,800.0	7,721.2	7,860.3	7,722.2	23.6	29.6	94.21	25.5	1,234.9	425.4	372.2	53.17	8.001			
7,900.0	7,821.2	7,960.3	7,822.2	23.6	29.6	94.21	25.5	1,234.9	425.4	372.2	53.23	7.991			
8,000.0	7,921.2	8,060.3	7,922.2	23.7	29.6	94.21	25.5	1,234.9	425.4	372.1	53.29	7.982			
8,100.0	8,021.2	8,160.3	8,022.2	23.7	29.6	94.21	25.5	1,234.9	425.4	372.0	53.35	7.973			
8,200.0	8,121.2	8,260.3	8,122.2	23.8	29.7	94.21	25.5	1,234.9	425.4	372.0	53.41	7.964			
8,300.0	8,221.2	8,360.3	8,222.2	23.8	29.7	94.21	25.5	1,234.9	425.4	371.9	53.48	7.955			
8,400.0	8,321.2	8,460.3	8,322.2	23.8	29.7	94.21	25.5	1,234.9	425.4	371.9	53.54	7.946			
8,500.0	8,421.2	8,560.3	8,422.2	23.9	29.7	94.21	25.5	1,234.9	425.4	371.8	53.60	7.936			
8,600.0	8,521.2	8,660.3	8,522.2	23.9	29.8	94.21	25.5	1,234.9	425.4	371.7	53.66	7.927			
8,700.0	8,621.2	8,760.3	8,622.2	23.9	29.8	94.21	25.5	1,234.9	425.4	371.7	53.73	7.918			
8,800.0	8,721.2	8,860.3	8,722.2	24.0	29.8	94.21	25.5	1,234.9	425.4	371.6	53.79	7.908			
8,900.0	8,821.2	8,960.3	8,822.2	24.0	29.9	94.21	25.5	1,234.9	425.4	371.5	53.86	7.899			
9,000.0	8,921.2	9,060.3	8,922.2	24.1	29.9	94.21	25.5	1,234.9	425.4	371.5	53.92	7.889			
9,100.0	9,021.2	9,160.3	9,022.2	24.1	29.9	94.21	25.5	1,234.9	425.4	371.4	53.99	7.880			
9,200.0	9,121.2	9,260.3	9,122.2	24.1	29.9	94.21	25.5	1,234.9	425.4	371.3	54.05	7.870			
9,300.0	9,221.2	9,360.3	9,222.2	24.2	30.0	94.21	25.5	1,234.9	425.4	371.3	54.12	7.860			
9,400.0	9,321.2	9,460.3	9,322.2	24.2	30.0	94.21	25.5	1,234.9	425.4	371.2	54.18	7.851			
9,500.0	9,421.2	9,560.3	9,422.2	24.3	30.0	94.21	25.5	1,234.9	425.4	371.1	54.25	7.841			
9,600.0	9,521.2	9,660.3	9,522.2	24.3	30.1	94.21	25.5	1,234.9	425.4	371.1	54.32	7.831			
9,700.0	9,621.2	9,760.3	9,622.2	24.3	30.1	94.21	25.5	1,234.9	425.4	371.0	54.39	7.822			
9,800.0	9,721.2	9,860.3	9,722.2	24.4	30.1	94.21	25.5	1,234.9	425.4	370.9	54.45	7.812			
9,900.0	9,821.2	9,960.3	9,822.2	24.4	30.1	94.21	25.5	1,234.9	425.4	370.9	54.52	7.802			

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
10,000.0	9,921.2	10,060.3	9,922.2	24.5	30.2	94.21	25.5	1,234.9	425.4	370.8	54.59	7.792	
10,100.0	10,021.2	10,160.3	10,022.2	24.5	30.2	94.21	25.5	1,234.9	425.4	370.7	54.66	7.782	
10,200.0	10,121.2	10,260.3	10,122.2	24.5	30.2	94.21	25.5	1,234.9	425.4	370.7	54.73	7.773	
10,300.0	10,221.2	10,360.3	10,222.2	24.6	30.3	94.21	25.5	1,234.9	425.4	370.6	54.80	7.763	
10,400.0	10,321.2	10,460.3	10,322.2	24.6	30.3	94.21	25.5	1,234.9	425.4	370.5	54.87	7.753	
10,500.0	10,421.2	10,560.3	10,422.2	24.7	30.3	94.21	25.5	1,234.9	425.4	370.5	54.94	7.743	
10,600.0	10,521.2	10,660.3	10,522.2	24.7	30.4	94.21	25.5	1,234.9	425.4	370.4	55.01	7.733	
10,700.0	10,621.2	10,760.3	10,622.2	24.7	30.4	94.21	25.5	1,234.9	425.4	370.3	55.08	7.723	
10,800.0	10,721.2	10,860.3	10,722.2	24.8	30.4	94.21	25.5	1,234.9	425.4	370.2	55.16	7.713	
10,900.0	10,821.2	10,960.3	10,822.2	24.8	30.5	94.21	25.5	1,234.9	425.4	370.2	55.23	7.702	
11,000.0	10,921.2	11,060.3	10,922.2	24.9	30.5	94.21	25.5	1,234.9	425.4	370.1	55.30	7.692	
11,100.0	11,021.2	11,160.3	11,022.2	24.9	30.5	94.21	25.5	1,234.9	425.4	370.0	55.37	7.682	
11,200.0	11,121.2	11,260.3	11,122.2	25.0	30.6	94.21	25.5	1,234.9	425.4	369.9	55.45	7.672	
11,300.0	11,221.2	11,360.3	11,222.2	25.0	30.6	94.21	25.5	1,234.9	425.4	369.9	55.52	7.662	
11,339.3	11,260.5	11,399.6	11,261.5	25.0	30.6	94.21	25.5	1,234.9	425.4	369.9	55.54	7.659	
11,350.0	11,271.2	11,410.3	11,272.2	25.0	30.6	-85.44	25.5	1,234.9	425.4	370.0	55.42	7.676	
11,375.0	11,296.2	11,435.3	11,297.2	25.0	30.6	-85.61	25.5	1,234.9	425.3	369.9	55.44	7.671	
11,400.0	11,321.0	11,460.2	11,322.0	25.0	30.6	-85.97	25.5	1,234.9	425.1	369.6	55.48	7.663	
11,425.0	11,345.7	11,484.9	11,346.7	25.0	30.6	-86.51	25.5	1,234.9	424.9	369.3	55.52	7.652	
11,450.0	11,370.2	11,509.3	11,371.2	25.0	30.6	-87.22	25.5	1,234.9	424.6	369.0	55.58	7.639	
11,475.0	11,394.4	11,533.5	11,395.4	25.0	30.6	-88.08	25.5	1,234.9	424.3	368.7	55.63	7.627	
11,500.0	11,418.2	11,557.3	11,419.2	25.0	30.6	-89.08	25.5	1,234.9	424.1	368.4	55.69	7.615	
11,520.5	11,437.4	11,576.5	11,438.4	25.0	30.6	-90.00	25.5	1,234.9	424.0	368.4	55.65	7.620	
11,525.0	11,441.6	11,580.7	11,442.6	25.0	30.6	-90.21	25.4	1,234.9	424.0	368.4	55.65	7.619	
11,550.0	11,464.4	11,604.2	11,466.1	25.0	30.7	-91.36	24.6	1,234.9	424.2	368.5	55.68	7.619	
11,575.0	11,486.7	11,628.2	11,490.0	25.0	30.7	-92.53	22.5	1,234.9	424.5	368.9	55.67	7.626	
11,600.0	11,508.4	11,652.7	11,514.2	25.0	30.7	-93.69	19.1	1,234.9	425.1	369.4	55.63	7.641	
11,625.0	11,529.5	11,677.7	11,538.8	25.0	30.7	-94.85	14.4	1,234.9	425.8	370.3	55.55	7.665	
11,650.0	11,549.7	11,703.2	11,563.5	25.0	30.7	-96.01	8.3	1,235.0	426.8	371.3	55.45	7.697	
11,675.0	11,569.2	11,729.3	11,588.5	25.1	30.7	-97.17	0.7	1,235.0	427.9	372.6	55.32	7.736	
11,700.0	11,587.9	11,756.0	11,613.6	25.1	30.7	-98.32	-8.5	1,235.1	429.2	374.1	55.16	7.782	
11,725.0	11,605.6	11,783.4	11,638.7	25.1	30.7	-99.45	-19.4	1,235.2	430.7	375.8	54.98	7.835	
11,750.0	11,622.4	11,811.4	11,663.7	25.1	30.7	-100.57	-32.0	1,235.2	432.4	377.6	54.78	7.894	
11,775.0	11,638.2	11,840.2	11,688.6	25.1	30.7	-101.68	-46.5	1,235.3	434.2	379.7	54.57	7.957	
11,800.0	11,653.0	11,869.7	11,713.2	25.1	30.7	-102.76	-62.8	1,235.4	436.2	381.8	54.35	8.025	
11,825.0	11,666.7	11,900.0	11,737.3	25.1	30.7	-103.82	-81.1	1,235.6	438.2	384.1	54.13	8.095	
11,850.0	11,679.3	11,931.1	11,760.8	25.1	30.7	-104.86	-101.5	1,235.7	440.3	386.4	53.92	8.166	
11,875.0	11,690.7	11,963.1	11,783.5	25.1	30.7	-105.85	-124.0	1,235.8	442.5	388.8	53.71	8.238	
11,900.0	11,701.0	11,995.9	11,805.2	25.2	30.7	-106.81	-148.6	1,236.0	444.6	391.1	53.52	8.307	
11,925.0	11,710.0	12,029.6	11,825.7	25.2	30.7	-107.72	-175.4	1,236.2	446.8	393.4	53.35	8.375	
11,950.0	11,717.8	12,064.2	11,844.7	25.2	30.7	-108.58	-204.2	1,236.4	448.9	395.7	53.20	8.438	
11,975.0	11,724.4	12,099.6	11,861.9	25.2	30.7	-109.38	-235.2	1,236.6	450.9	397.8	53.07	8.497	
12,000.0	11,729.7	12,135.9	11,877.2	25.2	30.8	-110.12	-268.1	1,236.8	452.8	399.8	52.96	8.550	
12,025.0	11,733.7	12,172.9	11,890.1	25.3	30.8	-110.78	-302.7	1,237.0	454.5	401.6	52.87	8.597	
12,050.0	11,736.4	12,210.6	11,900.4	25.3	30.8	-111.35	-339.0	1,237.2	456.0	403.2	52.80	8.637	
12,075.0	11,737.8	12,249.0	11,908.0	25.3	30.8	-111.84	-376.6	1,237.5	457.4	404.6	52.75	8.670	
12,089.3	11,738.0	12,271.3	11,911.0	25.3	30.9	-112.08	-398.7	1,237.6	458.0	405.3	52.73	8.687	
12,100.0	11,738.0	12,288.0	11,912.6	25.3	30.9	-112.26	-415.3	1,237.7	458.4	405.7	52.71	8.696	
12,200.0	11,738.0	12,401.4	11,914.0	25.5	31.0	-112.43	-528.7	1,238.5	458.7	405.8	52.89	8.673	
12,300.0	11,738.0	12,501.4	11,914.0	25.6	31.1	-112.43	-628.7	1,239.1	458.7	405.5	53.18	8.626	
12,400.0	11,738.0	12,601.4	11,914.0	25.8	31.3	-112.43	-728.7	1,239.8	458.7	405.2	53.51	8.574	
12,500.0	11,738.0	12,701.4	11,914.0	26.0	31.4	-112.43	-828.7	1,240.4	458.7	404.9	53.87	8.515	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,600.0	11,738.0	12,801.4	11,914.0	26.3	31.6	-112.43	-928.7	1,241.1	458.7	404.4	54.28	8.451	
12,700.0	11,738.0	12,901.4	11,914.0	26.5	31.8	-112.43	-1,028.7	1,241.7	458.7	404.0	54.72	8.382	
12,800.0	11,738.0	13,001.4	11,914.0	26.8	32.1	-112.43	-1,128.7	1,242.4	458.7	403.5	55.21	8.309	
12,900.0	11,738.0	13,101.4	11,914.0	27.1	32.3	-112.43	-1,228.7	1,243.0	458.7	403.0	55.73	8.231	
13,000.0	11,738.0	13,201.4	11,914.0	27.4	32.5	-112.43	-1,328.7	1,243.7	458.7	402.4	56.29	8.150	
13,100.0	11,738.0	13,301.4	11,914.0	27.7	32.8	-112.43	-1,428.7	1,244.3	458.7	401.8	56.88	8.065	
13,200.0	11,738.0	13,401.4	11,914.0	28.0	33.1	-112.43	-1,528.7	1,245.0	458.7	401.2	57.51	7.977	
13,300.0	11,738.0	13,501.4	11,914.0	28.4	33.4	-112.43	-1,628.7	1,245.6	458.7	400.6	58.16	7.887	
13,400.0	11,738.0	13,601.4	11,914.0	28.7	33.7	-112.43	-1,728.7	1,246.3	458.7	399.9	58.86	7.794	
13,500.0	11,738.0	13,701.4	11,914.0	29.1	34.0	-112.43	-1,828.7	1,246.9	458.7	399.1	59.58	7.700	
13,600.0	11,738.0	13,801.4	11,914.0	29.5	34.4	-112.43	-1,928.6	1,247.6	458.7	398.4	60.33	7.604	
13,700.0	11,738.0	13,901.4	11,914.0	29.9	34.7	-112.43	-2,028.6	1,248.2	458.7	397.6	61.11	7.507	
13,800.0	11,738.0	14,001.4	11,914.0	30.3	35.1	-112.43	-2,128.6	1,248.9	458.7	396.8	61.91	7.409	
13,900.0	11,738.0	14,101.4	11,914.0	30.8	35.5	-112.43	-2,228.6	1,249.5	458.7	396.0	62.75	7.311	
14,000.0	11,738.0	14,201.4	11,914.0	31.2	35.9	-112.43	-2,328.6	1,250.2	458.7	395.1	63.60	7.212	
14,100.0	11,738.0	14,301.4	11,914.0	31.7	36.3	-112.43	-2,428.6	1,250.8	458.7	394.2	64.49	7.113	
14,200.0	11,738.0	14,401.4	11,914.0	32.2	36.7	-112.43	-2,528.6	1,251.5	458.7	393.3	65.39	7.015	
14,300.0	11,738.0	14,501.4	11,914.0	32.7	37.1	-112.43	-2,628.6	1,252.1	458.7	392.4	66.32	6.917	
14,400.0	11,738.0	14,601.4	11,914.0	33.1	37.5	-112.43	-2,728.6	1,252.8	458.7	391.5	67.27	6.819	
14,500.0	11,738.0	14,701.4	11,914.0	33.7	38.0	-112.43	-2,828.6	1,253.4	458.7	390.5	68.24	6.722	
14,600.0	11,738.0	14,801.4	11,914.0	34.2	38.4	-112.43	-2,928.6	1,254.1	458.7	389.5	69.23	6.626	
14,700.0	11,738.0	14,901.4	11,914.0	34.7	38.9	-112.43	-3,028.6	1,254.7	458.7	388.5	70.23	6.531	
14,800.0	11,738.0	15,001.4	11,914.0	35.2	39.4	-112.43	-3,128.6	1,255.4	458.7	387.5	71.26	6.437	
14,900.0	11,738.0	15,101.4	11,914.0	35.8	39.9	-112.43	-3,228.6	1,256.0	458.7	386.4	72.30	6.344	
15,000.0	11,738.0	15,201.4	11,914.0	36.3	40.4	-112.43	-3,328.6	1,256.7	458.7	385.4	73.36	6.253	
15,100.0	11,738.0	15,301.4	11,914.0	36.9	40.9	-112.43	-3,428.6	1,257.3	458.7	384.3	74.44	6.163	
15,200.0	11,738.0	15,401.4	11,914.0	37.4	41.4	-112.43	-3,528.6	1,258.0	458.7	383.2	75.53	6.074	
15,300.0	11,738.0	15,501.4	11,914.0	38.0	41.9	-112.43	-3,628.6	1,258.6	458.7	382.1	76.63	5.986	
15,400.0	11,738.0	15,601.4	11,914.0	38.6	42.4	-112.43	-3,728.6	1,259.3	458.7	381.0	77.75	5.900	
15,500.0	11,738.0	15,701.4	11,914.0	39.1	42.9	-112.43	-3,828.6	1,259.9	458.7	379.8	78.88	5.815	
15,600.0	11,738.0	15,801.4	11,914.0	39.7	43.5	-112.43	-3,928.6	1,260.6	458.7	378.7	80.02	5.732	
15,700.0	11,738.0	15,901.4	11,914.0	40.3	44.0	-112.43	-4,028.6	1,261.2	458.7	377.5	81.18	5.651	
15,800.0	11,738.0	16,001.4	11,914.0	40.9	44.6	-112.43	-4,128.6	1,261.9	458.7	376.4	82.35	5.570	
15,900.0	11,738.0	16,101.4	11,914.0	41.5	45.1	-112.43	-4,228.6	1,262.5	458.7	375.2	83.53	5.492	
16,000.0	11,738.0	16,201.4	11,914.0	42.1	45.7	-112.43	-4,328.6	1,263.2	458.7	374.0	84.72	5.415	
16,100.0	11,738.0	16,301.4	11,914.0	42.8	46.2	-112.43	-4,428.6	1,263.8	458.7	372.8	85.91	5.339	
16,200.0	11,738.0	16,401.4	11,914.0	43.4	46.8	-112.43	-4,528.6	1,264.5	458.7	371.6	87.12	5.265	
16,300.0	11,738.0	16,501.4	11,914.0	44.0	47.4	-112.43	-4,628.6	1,265.1	458.7	370.4	88.34	5.192	
16,400.0	11,738.0	16,601.4	11,914.0	44.6	48.0	-112.43	-4,728.6	1,265.8	458.7	369.1	89.57	5.121	
16,500.0	11,738.0	16,701.4	11,914.0	45.3	48.6	-112.43	-4,828.6	1,266.4	458.7	367.9	90.81	5.052	
16,600.0	11,738.0	16,801.4	11,914.0	45.9	49.2	-112.43	-4,928.6	1,267.1	458.7	366.7	92.05	4.983	
16,700.0	11,738.0	16,901.4	11,914.0	46.5	49.8	-112.43	-5,028.6	1,267.7	458.7	365.4	93.30	4.916	
16,800.0	11,738.0	17,001.4	11,914.0	47.2	50.4	-112.43	-5,128.6	1,268.4	458.7	364.1	94.56	4.851	
16,900.0	11,738.0	17,101.4	11,914.0	47.8	51.0	-112.43	-5,228.6	1,269.0	458.7	362.9	95.83	4.787	
17,000.0	11,738.0	17,201.4	11,914.0	48.5	51.6	-112.43	-5,328.6	1,269.7	458.7	361.6	97.10	4.724	
17,100.0	11,738.0	17,301.4	11,914.0	49.1	52.2	-112.43	-5,428.6	1,270.3	458.7	360.3	98.39	4.662	
17,200.0	11,738.0	17,401.4	11,914.0	49.8	52.8	-112.43	-5,528.6	1,271.0	458.7	359.0	99.67	4.602	
17,300.0	11,738.0	17,501.4	11,914.0	50.5	53.4	-112.43	-5,628.6	1,271.6	458.7	357.7	100.97	4.543	
17,400.0	11,738.0	17,601.4	11,914.0	51.1	54.0	-112.43	-5,728.6	1,272.3	458.7	356.4	102.27	4.485	
17,500.0	11,738.0	17,701.4	11,914.0	51.8	54.7	-112.43	-5,828.6	1,272.9	458.7	355.1	103.57	4.429	
17,600.0	11,738.0	17,801.4	11,914.0	52.4	55.3	-112.43	-5,928.6	1,273.6	458.7	353.8	104.88	4.373	
17,700.0	11,738.0	17,901.4	11,914.0	53.1	55.9	-112.43	-6,028.6	1,274.2	458.7	352.5	106.20	4.319	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,800.0	11,738.0	18,001.4	11,914.0	53.8	56.6	-112.43	-6,128.6	1,274.9	458.7	351.2	107.52	4.266	
17,900.0	11,738.0	18,101.4	11,914.0	54.5	57.2	-112.43	-6,228.6	1,275.5	458.7	349.9	108.85	4.214	
18,000.0	11,738.0	18,201.4	11,914.0	55.1	57.9	-112.43	-6,328.6	1,276.2	458.7	348.5	110.18	4.163	
18,100.0	11,738.0	18,301.4	11,914.0	55.8	58.5	-112.43	-6,428.6	1,276.8	458.7	347.2	111.51	4.113	
18,200.0	11,738.0	18,401.4	11,914.0	56.5	59.2	-112.43	-6,528.6	1,277.5	458.7	345.8	112.85	4.065	
18,300.0	11,738.0	18,501.4	11,914.0	57.2	59.8	-112.43	-6,628.5	1,278.1	458.7	344.5	114.20	4.017	
18,400.0	11,738.0	18,601.4	11,914.0	57.9	60.5	-112.43	-6,728.5	1,278.8	458.7	343.2	115.55	3.970	
18,500.0	11,738.0	18,701.4	11,914.0	58.6	61.1	-112.43	-6,828.5	1,279.4	458.7	341.8	116.90	3.924	
18,600.0	11,738.0	18,801.4	11,914.0	59.3	61.8	-112.43	-6,928.5	1,280.1	458.7	340.4	118.26	3.879	
18,700.0	11,738.0	18,901.4	11,914.0	59.9	62.4	-112.43	-7,028.5	1,280.7	458.7	339.1	119.62	3.835	
18,800.0	11,738.0	19,001.4	11,914.0	60.6	63.1	-112.43	-7,128.5	1,281.4	458.7	337.7	120.98	3.791	
18,900.0	11,738.0	19,101.4	11,914.0	61.3	63.8	-112.43	-7,228.5	1,282.0	458.7	336.3	122.35	3.749	
19,000.0	11,738.0	19,201.4	11,914.0	62.0	64.4	-112.43	-7,328.5	1,282.7	458.7	335.0	123.72	3.708	
19,100.0	11,738.0	19,301.4	11,914.0	62.7	65.1	-112.43	-7,428.5	1,283.3	458.7	333.6	125.09	3.667	
19,200.0	11,738.0	19,401.4	11,914.0	63.4	65.8	-112.43	-7,528.5	1,284.0	458.7	332.2	126.47	3.627	
19,300.0	11,738.0	19,501.4	11,914.0	64.1	66.5	-112.43	-7,628.5	1,284.7	458.7	330.8	127.85	3.588	
19,400.0	11,738.0	19,601.4	11,914.0	64.8	67.1	-112.43	-7,728.5	1,285.3	458.7	329.5	129.23	3.549	
19,500.0	11,738.0	19,701.4	11,914.0	65.5	67.8	-112.43	-7,828.5	1,286.0	458.7	328.1	130.62	3.512	
19,600.0	11,738.0	19,801.4	11,914.0	66.2	68.5	-112.43	-7,928.5	1,286.6	458.7	326.7	132.01	3.475	
19,700.0	11,738.0	19,901.4	11,914.0	67.0	69.2	-112.43	-8,028.5	1,287.3	458.7	325.3	133.40	3.439	
19,800.0	11,738.0	20,001.4	11,914.0	67.7	69.9	-112.43	-8,128.5	1,287.9	458.7	323.9	134.79	3.403	
19,900.0	11,738.0	20,101.4	11,914.0	68.4	70.5	-112.43	-8,228.5	1,288.6	458.7	322.5	136.19	3.368	
20,000.0	11,738.0	20,201.4	11,914.0	69.1	71.2	-112.43	-8,328.5	1,289.2	458.7	321.1	137.59	3.334	
20,100.0	11,738.0	20,301.4	11,914.0	69.8	71.9	-112.43	-8,428.5	1,289.9	458.7	319.7	138.99	3.300	
20,200.0	11,738.0	20,401.4	11,914.0	70.5	72.6	-112.43	-8,528.5	1,290.5	458.7	318.3	140.39	3.267	
20,300.0	11,738.0	20,501.4	11,914.0	71.2	73.3	-112.43	-8,628.5	1,291.2	458.7	316.9	141.80	3.235	
20,400.0	11,738.0	20,601.4	11,914.0	71.9	74.0	-112.43	-8,728.5	1,291.8	458.7	315.5	143.21	3.203	
20,500.0	11,738.0	20,701.4	11,914.0	72.6	74.7	-112.43	-8,828.5	1,292.5	458.7	314.1	144.62	3.172	
20,600.0	11,738.0	20,801.4	11,914.0	73.4	75.4	-112.43	-8,928.5	1,293.1	458.7	312.7	146.03	3.141	
20,700.0	11,738.0	20,901.4	11,914.0	74.1	76.1	-112.43	-9,028.5	1,293.8	458.7	311.2	147.44	3.111	
20,800.0	11,738.0	21,001.4	11,914.0	74.8	76.8	-112.43	-9,128.5	1,294.4	458.7	309.8	148.86	3.081	
20,900.0	11,738.0	21,101.4	11,914.0	75.5	77.5	-112.43	-9,228.5	1,295.1	458.7	308.4	150.28	3.052	
21,000.0	11,738.0	21,201.4	11,914.0	76.2	78.2	-112.43	-9,328.5	1,295.7	458.7	307.0	151.70	3.024	
21,100.0	11,738.0	21,301.4	11,914.0	77.0	78.9	-112.43	-9,428.5	1,296.4	458.7	305.6	153.12	2.996	
21,200.0	11,738.0	21,401.4	11,914.0	77.7	79.6	-112.43	-9,528.5	1,297.0	458.7	304.1	154.54	2.968	
21,300.0	11,738.0	21,501.4	11,914.0	78.4	80.3	-112.43	-9,628.5	1,297.7	458.7	302.7	155.97	2.941	
21,400.0	11,738.0	21,601.4	11,914.0	79.1	81.0	-112.43	-9,728.5	1,298.3	458.7	301.3	157.39	2.914	
21,500.0	11,738.0	21,701.4	11,914.0	79.8	81.7	-112.43	-9,828.5	1,299.0	458.7	299.9	158.82	2.888	
21,600.0	11,738.0	21,801.4	11,914.0	80.6	82.4	-112.43	-9,928.5	1,299.6	458.7	298.4	160.25	2.862	
21,642.9	11,738.0	21,844.2	11,914.0	80.9	82.7	-112.43	-9,971.3	1,299.9	458.7	297.8	160.86	2.851	
21,692.9	11,738.0	21,894.2	11,914.0	81.2	83.1	-112.43	-10,021.3	1,300.2	458.7	297.1	161.57	2.839	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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	123.70	-33.5	50.3	60.4	53.5	6.98	8.657	
100.0	100.0	101.0	101.0	3.1	3.1	123.70	-33.5	50.3	60.4	53.2	7.23	8.363	
200.0	200.0	201.0	201.0	3.2	3.3	123.70	-33.5	50.3	60.4	53.0	7.46	8.096	
300.0	300.0	301.0	301.0	3.4	3.4	123.70	-33.5	50.3	60.4	52.7	7.70	7.852	
400.0	400.0	401.0	401.0	3.5	3.5	123.70	-33.5	50.3	60.4	52.5	7.92	7.628	
500.0	500.0	501.0	501.0	3.6	3.6	123.70	-33.5	50.3	60.4	52.3	8.14	7.422	
600.0	600.0	601.0	601.0	3.7	3.7	123.70	-33.5	50.3	60.4	52.1	8.36	7.230	
700.0	700.0	701.0	701.0	3.9	3.9	123.70	-33.5	50.3	60.4	51.9	8.57	7.051	
800.0	800.0	801.0	801.0	4.0	4.0	123.70	-33.5	50.3	60.4	51.7	8.78	6.884	
900.0	900.0	901.0	901.0	4.1	4.1	123.70	-33.5	50.3	60.4	51.5	8.98	6.727	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.70	-33.5	50.3	60.4	51.2	9.19	6.580	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.70	-33.5	50.3	60.4	51.1	9.38	6.441	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.70	-33.5	50.3	60.4	50.9	9.58	6.309	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.70	-33.5	50.3	60.4	50.7	9.77	6.185	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.70	-33.5	50.3	60.4	50.5	9.96	6.067	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.70	-33.5	50.3	60.4	50.3	10.09	5.992 CC	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.70	-33.5	50.3	60.4	50.4	10.02	6.032	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	37.76	-33.5	52.0	60.5	50.4	10.12	5.977	
1,604.4	1,604.4	1,603.7	1,603.6	4.9	4.9	37.77	-33.5	52.2	60.5	50.4	10.14	5.967	
1,700.0	1,699.8	1,697.6	1,697.4	5.1	5.1	38.00	-33.4	57.1	60.6	50.0	10.56	5.738	
1,800.0	1,799.5	1,795.9	1,795.3	5.3	5.3	38.39	-33.3	65.5	60.8	49.8	11.02	5.517	
1,900.0	1,898.7	1,894.2	1,892.9	5.6	5.6	38.96	-33.1	77.4	61.0	49.5	11.49	5.313	
2,000.0	1,997.5	1,992.5	1,990.1	5.9	5.9	39.67	-32.8	92.5	61.3	49.4	11.97	5.124	
2,100.0	2,095.6	2,090.8	2,086.6	6.3	6.2	40.54	-32.5	111.0	61.7	49.3	12.47	4.950 ES	
2,200.0	2,193.4	2,189.1	2,182.4	6.5	6.6	40.54	-32.1	132.7	63.5	50.6	12.96	4.901 SF	
2,300.0	2,291.3	2,287.1	2,277.3	6.9	7.0	38.81	-31.7	157.7	68.1	54.5	13.53	5.031	
2,400.0	2,389.1	2,386.7	2,372.9	7.2	7.3	36.34	-31.2	185.1	74.4	60.3	14.17	5.252	
2,500.0	2,486.9	2,486.4	2,468.8	7.5	7.6	34.25	-30.7	212.6	80.9	66.1	14.85	5.449	
2,600.0	2,584.7	2,586.1	2,564.7	7.9	8.0	32.48	-30.2	240.1	87.5	71.9	15.57	5.622	
2,700.0	2,682.5	2,685.9	2,660.6	8.2	8.4	30.95	-29.7	267.6	94.2	77.9	16.31	5.774	
2,800.0	2,780.3	2,785.6	2,756.5	8.6	8.8	29.63	-29.3	295.1	100.9	83.8	17.08	5.907	
2,900.0	2,878.1	2,885.4	2,852.4	9.0	9.2	28.47	-28.8	322.6	107.7	89.8	17.87	6.025	
3,000.0	2,976.0	2,985.1	2,948.2	9.4	9.6	27.45	-28.3	350.1	114.5	95.8	18.68	6.128	
3,100.0	3,073.8	3,084.9	3,044.1	9.8	10.0	26.54	-27.8	377.6	121.3	101.8	19.51	6.219	
3,200.0	3,171.6	3,184.6	3,140.0	10.2	10.4	25.73	-27.3	405.0	128.2	107.8	20.35	6.299	
3,300.0	3,269.4	3,284.4	3,235.9	10.6	10.9	25.01	-26.9	432.5	135.1	113.9	21.20	6.371	
3,400.0	3,367.2	3,384.1	3,331.8	11.0	11.3	24.35	-26.4	460.0	142.0	119.9	22.07	6.434	
3,500.0	3,465.0	3,483.9	3,427.7	11.5	11.7	23.76	-25.9	487.5	148.9	126.0	22.94	6.491	
3,600.0	3,562.8	3,583.6	3,523.5	11.9	12.2	23.21	-25.4	515.0	155.8	132.0	23.82	6.542	
3,700.0	3,660.7	3,683.4	3,619.4	12.3	12.6	22.72	-24.9	542.5	162.8	138.1	24.71	6.588	
3,800.0	3,758.5	3,783.1	3,715.3	12.8	13.1	22.26	-24.5	570.0	169.8	144.2	25.61	6.629	
3,900.0	3,856.3	3,882.9	3,811.2	13.2	13.5	21.84	-24.0	597.5	176.7	150.2	26.51	6.667	
4,000.0	3,954.1	3,982.6	3,907.1	13.6	14.0	21.46	-23.5	625.0	183.7	156.3	27.42	6.701	
4,100.0	4,051.9	4,082.4	4,003.0	14.1	14.5	21.10	-23.0	652.5	190.7	162.4	28.33	6.731	
4,200.0	4,149.7	4,182.1	4,098.9	14.5	14.9	20.76	-22.5	679.9	197.7	168.5	29.25	6.760	
4,300.0	4,247.5	4,281.9	4,194.7	15.0	15.4	20.45	-22.1	707.4	204.7	174.5	30.17	6.785	
4,400.0	4,345.4	4,381.6	4,290.6	15.4	15.9	20.16	-21.6	734.9	211.7	180.6	31.09	6.809	
4,500.0	4,443.2	4,481.4	4,386.5	15.9	16.4	19.89	-21.1	762.4	218.7	186.7	32.02	6.831	
4,600.0	4,541.0	4,581.1	4,482.4	16.3	16.8	19.64	-20.6	789.9	225.7	192.8	32.95	6.851	
4,700.0	4,638.8	4,680.9	4,578.3	16.8	17.3	19.40	-20.1	817.4	232.8	198.9	33.89	6.869	
4,800.0	4,736.6	4,780.6	4,674.2	17.2	17.8	19.17	-19.7	844.9	239.8	205.0	34.82	6.886	
4,900.0	4,834.4	4,880.4	4,770.0	17.7	18.3	18.96	-19.2	872.4	246.8	211.1	35.76	6.902	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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							Rule Assigned:				Offset Well Error:		3.0 usft
Measured Depth	Vertical Reference	Measured Depth	Vertical Offset	Reference	Semi Major Axis	Highside Toolface	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)				
5,000.0	4,932.3	4,980.1	4,865.9	18.1	18.7	18.76	-18.7	899.9	253.9	217.2	36.70	6.917			
5,100.0	5,030.1	5,079.9	4,961.8	18.6	19.2	18.57	-18.2	927.4	260.9	223.2	37.65	6.930			
5,105.0	5,035.0	5,084.9	4,966.7	18.6	19.3	18.56	-18.2	928.7	261.2	223.5	37.69	6.931			
5,200.0	5,128.0	5,179.6	5,057.6	19.0	19.7	18.36	-17.7	954.8	268.7	230.1	38.59	6.962			
5,300.0	5,226.3	5,279.1	5,153.3	19.5	20.2	18.06	-17.3	982.3	278.1	238.6	39.54	7.033			
5,400.0	5,325.0	5,378.4	5,248.8	19.9	20.7	17.67	-16.8	1,009.6	289.2	248.7	40.50	7.141			
5,500.0	5,423.8	5,477.6	5,344.1	20.4	21.2	17.23	-16.3	1,037.0	302.0	260.5	41.45	7.285			
5,600.0	5,523.0	5,576.5	5,439.2	20.8	21.6	16.73	-15.8	1,064.2	316.4	274.0	42.40	7.463			
5,700.0	5,622.3	5,675.1	5,534.0	21.2	22.1	16.20	-15.4	1,091.4	332.6	289.2	43.34	7.672			
5,800.0	5,721.9	5,773.5	5,628.6	21.6	22.6	15.65	-14.9	1,118.5	350.4	306.1	44.27	7.914			
5,900.0	5,821.5	5,871.5	5,722.8	22.0	23.1	15.09	-14.4	1,145.5	369.9	324.7	45.19	8.185			
6,000.0	5,921.3	5,969.1	5,816.6	22.3	23.6	14.53	-13.9	1,172.4	391.1	345.0	46.08	8.486			
6,100.0	6,021.2	6,066.4	5,910.1	22.6	24.1	13.97	-13.5	1,199.2	413.9	367.0	46.95	8.816			
6,200.0	6,121.2	6,164.7	6,004.7	22.9	24.5	13.42	-13.0	1,226.3	438.4	390.7	47.79	9.174			
6,300.0	6,221.2	6,265.2	6,101.5	23.1	25.0	12.89	-12.5	1,253.2	464.0	415.4	48.53	9.560			
6,305.0	6,226.2	6,270.3	6,106.4	23.1	25.0	98.86	-12.5	1,254.5	465.3	416.7	48.57	9.579			
6,400.0	6,321.2	6,365.9	6,198.8	23.1	25.5	98.35	-12.1	1,279.3	489.6	440.4	49.16	9.959			
6,500.0	6,421.2	6,467.1	6,296.7	23.2	26.0	97.87	-11.6	1,304.7	514.4	464.6	49.77	10.335			
6,600.0	6,521.2	6,568.7	6,395.3	23.2	26.5	97.46	-11.2	1,329.4	538.4	488.0	50.38	10.687			
6,700.0	6,621.2	6,670.8	6,494.5	23.2	27.0	97.09	-10.8	1,353.2	561.5	510.5	50.98	11.016			
6,800.0	6,721.2	6,773.3	6,594.4	23.3	27.5	96.76	-10.4	1,376.3	583.8	532.3	51.57	11.322			
6,900.0	6,821.2	6,876.3	6,694.9	23.3	28.0	96.47	-10.0	1,398.6	605.3	553.1	52.15	11.607			
7,000.0	6,921.2	6,979.6	6,796.0	23.3	28.4	96.21	-9.6	1,420.0	625.9	573.2	52.73	11.870			
7,100.0	7,021.2	7,083.3	6,897.6	23.4	28.9	95.98	-9.3	1,440.7	645.6	592.3	53.30	12.114			
7,200.0	7,121.2	7,187.4	6,999.8	23.4	29.4	95.76	-8.9	1,460.4	664.5	610.6	53.86	12.337			
7,300.0	7,221.2	7,291.8	7,102.5	23.4	29.9	95.57	-8.6	1,479.3	682.5	628.0	54.42	12.541			
7,400.0	7,321.2	7,396.6	7,205.8	23.5	30.4	95.40	-8.3	1,497.3	699.5	644.6	54.96	12.727			
7,500.0	7,421.2	7,501.8	7,309.5	23.5	30.8	95.25	-8.0	1,514.5	715.7	660.2	55.50	12.895			
7,600.0	7,521.2	7,607.2	7,413.7	23.5	31.3	95.11	-7.7	1,530.7	731.0	675.0	56.04	13.046			
7,700.0	7,621.2	7,712.9	7,518.3	23.6	31.8	94.98	-7.4	1,546.0	745.4	688.9	56.56	13.180			
7,800.0	7,721.2	7,818.9	7,623.3	23.6	32.2	94.87	-7.2	1,560.3	758.9	701.9	57.07	13.298			
7,900.0	7,821.2	7,925.2	7,728.7	23.6	32.7	94.77	-6.9	1,573.8	771.5	713.9	57.57	13.401			
8,000.0	7,921.2	8,031.7	7,834.5	23.7	33.1	94.67	-6.7	1,586.3	783.2	725.1	58.06	13.489			
8,100.0	8,021.2	8,138.4	7,940.6	23.7	33.5	94.59	-6.5	1,597.8	793.9	735.4	58.54	13.562			
8,200.0	8,121.2	8,245.3	8,047.0	23.8	34.0	94.52	-6.3	1,608.3	803.7	744.7	59.00	13.622			
8,300.0	8,221.2	8,352.4	8,153.7	23.8	34.4	94.45	-6.2	1,617.9	812.6	753.2	59.46	13.668			
8,400.0	8,321.2	8,459.7	8,260.6	23.8	34.8	94.39	-6.0	1,626.5	820.6	760.7	59.89	13.701			
8,500.0	8,421.2	8,567.2	8,367.8	23.9	35.2	94.35	-5.9	1,634.1	827.6	767.3	60.31	13.722			
8,600.0	8,521.2	8,674.7	8,475.2	23.9	35.6	94.30	-5.8	1,640.7	833.7	773.0	60.72	13.732			
8,700.0	8,621.2	8,782.4	8,582.7	23.9	35.9	94.27	-5.7	1,646.3	838.9	777.8	61.10	13.731			
8,800.0	8,721.2	8,890.2	8,690.4	24.0	36.3	94.24	-5.6	1,650.9	843.2	781.7	61.46	13.719			
8,900.0	8,821.2	8,998.1	8,798.2	24.0	36.6	94.22	-5.5	1,654.5	846.5	784.7	61.79	13.698			
9,000.0	8,921.2	9,106.0	8,906.1	24.1	36.9	94.20	-5.5	1,657.0	848.8	786.7	62.09	13.670			
9,100.0	9,021.2	9,214.0	9,014.0	24.1	37.2	94.19	-5.5	1,658.6	850.3	787.9	62.35	13.637			
9,200.0	9,121.2	9,322.0	9,122.0	24.1	37.4	94.19	-5.4	1,659.1	850.8	788.2	62.51	13.610			
9,300.0	9,221.2	9,422.1	9,222.2	24.2	37.4	94.19	-5.4	1,659.1	850.8	788.2	62.56	13.599			
9,400.0	9,321.2	9,522.1	9,322.2	24.2	37.4	94.19	-5.4	1,659.1	850.8	788.1	62.61	13.588			
9,500.0	9,421.2	9,622.1	9,422.2	24.3	37.5	94.19	-5.4	1,659.1	850.8	788.1	62.67	13.576			
9,600.0	9,521.2	9,722.1	9,522.2	24.3	37.5	94.19	-5.4	1,659.1	850.8	788.0	62.72	13.564			
9,700.0	9,621.2	9,822.1	9,622.2	24.3	37.5	94.19	-5.4	1,659.1	850.8	788.0	62.78	13.552			
9,800.0	9,721.2	9,922.1	9,722.2	24.4	37.5	94.19	-5.4	1,659.1	850.8	787.9	62.83	13.540			
9,900.0	9,821.2	10,022.1	9,822.2	24.4	37.5	94.19	-5.4	1,659.1	850.8	787.9	62.89	13.529			

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		Highside Toolface		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	
10,000.0	9,921.2	10,122.1	9,922.2	24.5	37.6	94.19	-5.4	1,659.1	850.8	787.8	62.94	13.517	
10,100.0	10,021.2	10,222.1	10,022.2	24.5	37.6	94.19	-5.4	1,659.1	850.8	787.8	63.00	13.504	
10,200.0	10,121.2	10,322.1	10,122.2	24.5	37.6	94.19	-5.4	1,659.1	850.8	787.7	63.05	13.492	
10,300.0	10,221.2	10,422.1	10,222.2	24.6	37.6	94.19	-5.4	1,659.1	850.8	787.6	63.11	13.480	
10,400.0	10,321.2	10,522.1	10,322.2	24.6	37.6	94.19	-5.4	1,659.1	850.8	787.6	63.17	13.468	
10,500.0	10,421.2	10,622.1	10,422.2	24.7	37.7	94.19	-5.4	1,659.1	850.8	787.5	63.23	13.456	
10,600.0	10,521.2	10,722.1	10,522.2	24.7	37.7	94.19	-5.4	1,659.1	850.8	787.5	63.28	13.443	
10,700.0	10,621.2	10,822.1	10,622.2	24.7	37.7	94.19	-5.4	1,659.1	850.8	787.4	63.34	13.431	
10,800.0	10,721.2	10,922.1	10,722.2	24.8	37.7	94.19	-5.4	1,659.1	850.8	787.4	63.40	13.419	
10,900.0	10,821.2	11,022.1	10,822.2	24.8	37.8	94.19	-5.4	1,659.1	850.8	787.3	63.46	13.406	
11,000.0	10,921.2	11,122.1	10,922.2	24.9	37.8	94.19	-5.4	1,659.1	850.8	787.2	63.52	13.393	
11,100.0	11,021.2	11,222.1	11,022.2	24.9	37.8	94.19	-5.4	1,659.1	850.8	787.2	63.58	13.381	
11,200.0	11,121.2	11,322.1	11,122.2	25.0	37.8	94.19	-5.4	1,659.1	850.8	787.1	63.64	13.368	
11,300.0	11,221.2	11,422.1	11,222.2	25.0	37.8	94.19	-5.4	1,659.1	850.8	787.1	63.70	13.356	
11,339.3	11,260.5	11,461.5	11,261.5	25.0	37.8	94.19	-5.4	1,659.1	850.8	787.0	63.71	13.354	
11,350.0	11,271.2	11,470.8	11,270.9	25.0	37.8	-85.44	-5.5	1,659.1	850.8	787.3	63.51	13.396	
11,375.0	11,296.2	11,492.7	11,292.8	25.0	37.8	-85.45	-6.5	1,659.1	850.7	787.2	63.55	13.387	
11,400.0	11,321.0	11,514.6	11,314.6	25.0	37.9	-85.47	-8.4	1,659.1	850.7	787.1	63.59	13.378	
11,425.0	11,345.7	11,536.5	11,336.3	25.0	37.9	-85.50	-11.3	1,659.1	850.7	787.1	63.63	13.369	
11,450.0	11,370.2	11,558.5	11,357.9	25.0	37.9	-85.55	-15.3	1,659.2	850.6	787.0	63.68	13.359	
11,475.0	11,394.4	11,580.5	11,379.3	25.0	37.9	-85.60	-20.2	1,659.2	850.6	786.9	63.72	13.349	
11,500.0	11,418.2	11,602.5	11,400.5	25.0	37.9	-85.67	-26.1	1,659.2	850.5	786.7	63.76	13.340	
11,525.0	11,441.6	11,625.0	11,421.9	25.0	37.9	-85.74	-33.2	1,659.3	850.4	786.6	63.79	13.331	
11,550.0	11,464.4	11,646.6	11,442.0	25.0	37.9	-85.83	-40.9	1,659.3	850.3	786.5	63.84	13.320	
11,575.0	11,486.7	11,668.7	11,462.3	25.0	37.9	-85.92	-49.7	1,659.4	850.2	786.3	63.87	13.311	
11,600.0	11,508.4	11,690.9	11,482.2	25.0	37.9	-86.03	-59.5	1,659.5	850.1	786.2	63.91	13.302	
11,625.0	11,529.5	11,713.1	11,501.7	25.0	37.9	-86.15	-70.2	1,659.5	850.0	786.1	63.94	13.293	
11,650.0	11,549.7	11,735.4	11,520.7	25.0	37.9	-86.27	-81.9	1,659.6	849.9	785.9	63.98	13.284	
11,675.0	11,569.2	11,757.8	11,539.2	25.1	37.9	-86.41	-94.5	1,659.7	849.7	785.7	64.00	13.276	
11,700.0	11,587.9	11,780.2	11,557.1	25.1	37.9	-86.55	-107.9	1,659.8	849.6	785.6	64.03	13.268	
11,725.0	11,605.6	11,802.7	11,574.5	25.1	37.9	-86.71	-122.3	1,659.9	849.5	785.4	64.06	13.261	
11,750.0	11,622.4	11,825.0	11,590.9	25.1	37.9	-86.86	-137.3	1,660.0	849.3	785.3	64.08	13.254	
11,775.0	11,638.2	11,848.1	11,607.3	25.1	37.9	-87.04	-153.6	1,660.1	849.2	785.1	64.10	13.248	
11,800.0	11,653.0	11,870.9	11,622.6	25.1	37.9	-87.21	-170.5	1,660.2	849.1	785.0	64.12	13.242	
11,825.0	11,666.7	11,893.8	11,637.2	25.1	37.9	-87.40	-188.2	1,660.3	848.9	784.8	64.14	13.237	
11,850.0	11,679.3	11,916.8	11,650.9	25.1	37.9	-87.59	-206.6	1,660.4	848.8	784.7	64.15	13.232	
11,875.0	11,690.7	11,940.0	11,663.9	25.1	37.9	-87.79	-225.8	1,660.5	848.7	784.5	64.16	13.228	
11,900.0	11,701.0	11,963.3	11,675.9	25.2	37.9	-87.99	-245.7	1,660.7	848.6	784.4	64.17	13.224	
11,925.0	11,710.0	11,986.7	11,687.1	25.2	37.9	-88.20	-266.3	1,660.8	848.5	784.3	64.18	13.221	
11,950.0	11,717.8	12,010.2	11,697.2	25.2	37.9	-88.41	-287.6	1,660.9	848.4	784.2	64.18	13.218	
11,975.0	11,724.4	12,033.9	11,706.4	25.2	38.0	-88.63	-309.4	1,661.1	848.3	784.1	64.19	13.216	
12,000.0	11,729.7	12,057.8	11,714.5	25.2	38.0	-88.86	-331.8	1,661.2	848.2	784.0	64.19	13.214	
12,025.0	11,733.7	12,081.8	11,721.5	25.3	38.0	-89.08	-354.8	1,661.4	848.2	784.0	64.19	13.213	
12,050.0	11,736.4	12,105.9	11,727.4	25.3	38.0	-89.31	-378.2	1,661.5	848.1	783.9	64.19	13.212	
12,075.0	11,737.8	12,130.3	11,732.1	25.3	38.0	-89.55	-402.1	1,661.7	848.1	783.9	64.19	13.211	
12,089.3	11,738.0	12,144.3	11,734.3	25.3	38.0	-89.68	-415.9	1,661.8	848.1	783.9	64.19	13.211	
12,100.0	11,738.0	12,154.8	11,735.6	25.3	38.0	-89.77	-426.3	1,661.8	848.1	783.9	64.19	13.211	
12,148.2	11,738.0	12,202.7	11,738.9	25.4	38.1	-89.99	-474.1	1,662.1	848.1	783.8	64.24	13.201	
12,200.0	11,738.0	12,254.5	11,739.0	25.5	38.1	-90.00	-525.9	1,662.5	848.1	783.7	64.35	13.179	
12,300.0	11,738.0	12,354.5	11,739.0	25.6	38.2	-90.00	-625.9	1,663.1	848.1	783.5	64.58	13.132	
12,400.0	11,738.0	12,454.5	11,739.0	25.8	38.3	-90.00	-725.9	1,663.8	848.1	783.2	64.84	13.079	
12,500.0	11,738.0	12,554.5	11,739.0	26.0	38.5	-90.00	-825.9	1,664.4	848.1	782.9	65.14	13.019	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,600.0	11,738.0	12,654.5	11,739.0	26.3	38.6	-90.00	-925.9	1,665.1	848.1	782.6	65.48	12.952	
12,700.0	11,738.0	12,754.5	11,739.0	26.5	38.8	-90.00	-1,025.9	1,665.7	848.1	782.2	65.84	12.880	
12,800.0	11,738.0	12,854.5	11,739.0	26.8	38.9	-90.00	-1,125.9	1,666.4	848.1	781.8	66.24	12.803	
12,900.0	11,738.0	12,954.5	11,739.0	27.1	39.1	-90.00	-1,225.9	1,667.0	848.1	781.4	66.67	12.720	
13,000.0	11,738.0	13,054.5	11,739.0	27.4	39.3	-90.00	-1,325.9	1,667.7	848.1	780.9	67.13	12.633	
13,100.0	11,738.0	13,154.5	11,739.0	27.7	39.6	-90.00	-1,425.9	1,668.3	848.1	780.4	67.62	12.541	
13,200.0	11,738.0	13,254.5	11,739.0	28.0	39.8	-90.00	-1,525.9	1,669.0	848.1	779.9	68.15	12.445	
13,300.0	11,738.0	13,354.5	11,739.0	28.4	40.0	-90.00	-1,625.9	1,669.6	848.1	779.4	68.70	12.345	
13,400.0	11,738.0	13,454.5	11,739.0	28.7	40.3	-90.00	-1,725.9	1,670.3	848.1	778.8	69.28	12.241	
13,500.0	11,738.0	13,554.5	11,739.0	29.1	40.6	-90.00	-1,825.9	1,670.9	848.1	778.2	69.89	12.135	
13,600.0	11,738.0	13,654.5	11,739.0	29.5	40.9	-90.00	-1,925.9	1,671.6	848.0	777.5	70.52	12.026	
13,700.0	11,738.0	13,754.5	11,739.0	29.9	41.2	-90.00	-2,025.9	1,672.2	848.0	776.9	71.18	11.914	
13,800.0	11,738.0	13,854.5	11,739.0	30.3	41.5	-90.00	-2,125.9	1,672.9	848.0	776.2	71.87	11.800	
13,900.0	11,738.0	13,954.5	11,739.0	30.8	41.8	-90.00	-2,225.9	1,673.5	848.0	775.5	72.58	11.684	
14,000.0	11,738.0	14,054.5	11,739.0	31.2	42.1	-90.00	-2,325.9	1,674.2	848.0	774.7	73.32	11.567	
14,100.0	11,738.0	14,154.5	11,739.0	31.7	42.5	-90.00	-2,425.9	1,674.8	848.0	774.0	74.08	11.448	
14,200.0	11,738.0	14,254.5	11,739.0	32.2	42.8	-90.00	-2,525.9	1,675.5	848.0	773.2	74.86	11.328	
14,300.0	11,738.0	14,354.5	11,739.0	32.7	43.2	-90.00	-2,625.9	1,676.1	848.0	772.4	75.66	11.208	
14,400.0	11,738.0	14,454.5	11,739.0	33.1	43.6	-90.00	-2,725.9	1,676.8	848.0	771.6	76.49	11.087	
14,500.0	11,738.0	14,554.5	11,739.0	33.7	43.9	-90.00	-2,825.9	1,677.4	848.0	770.7	77.34	10.966	
14,600.0	11,738.0	14,654.5	11,739.0	34.2	44.3	-90.00	-2,925.9	1,678.1	848.0	769.8	78.20	10.844	
14,700.0	11,738.0	14,754.5	11,739.0	34.7	44.7	-90.00	-3,025.9	1,678.7	848.0	769.0	79.09	10.723	
14,800.0	11,738.0	14,854.5	11,739.0	35.2	45.2	-90.00	-3,125.9	1,679.4	848.0	768.0	79.99	10.601	
14,900.0	11,738.0	14,954.5	11,739.0	35.8	45.6	-90.00	-3,225.9	1,680.0	848.0	767.1	80.92	10.481	
15,000.0	11,738.0	15,054.5	11,739.0	36.3	46.0	-90.00	-3,325.9	1,680.7	848.0	766.2	81.86	10.360	
15,100.0	11,738.0	15,154.5	11,739.0	36.9	46.4	-90.00	-3,425.9	1,681.3	848.0	765.2	82.81	10.241	
15,200.0	11,738.0	15,254.5	11,739.0	37.4	46.9	-90.00	-3,525.9	1,682.0	848.0	764.3	83.78	10.122	
15,300.0	11,738.0	15,354.5	11,739.0	38.0	47.3	-90.00	-3,625.9	1,682.6	848.0	763.3	84.77	10.004	
15,400.0	11,738.0	15,454.5	11,739.0	38.6	47.8	-90.00	-3,725.9	1,683.3	848.0	762.3	85.78	9.886	
15,500.0	11,738.0	15,554.5	11,739.0	39.1	48.3	-90.00	-3,825.9	1,683.9	848.0	761.2	86.80	9.770	
15,600.0	11,738.0	15,654.5	11,739.0	39.7	48.8	-90.00	-3,925.8	1,684.6	848.0	760.2	87.83	9.656	
15,700.0	11,738.0	15,754.5	11,739.0	40.3	49.2	-90.00	-4,025.8	1,685.2	848.0	759.2	88.87	9.542	
15,800.0	11,738.0	15,854.5	11,739.0	40.9	49.7	-90.00	-4,125.8	1,685.9	848.0	758.1	89.93	9.430	
15,900.0	11,738.0	15,954.5	11,739.0	41.5	50.2	-90.00	-4,225.8	1,686.5	848.0	757.0	91.01	9.318	
16,000.0	11,738.0	16,054.5	11,739.0	42.1	50.7	-90.00	-4,325.8	1,687.2	848.0	755.9	92.09	9.209	
16,100.0	11,738.0	16,154.5	11,739.0	42.8	51.2	-90.00	-4,425.8	1,687.8	848.0	754.8	93.19	9.100	
16,200.0	11,738.0	16,254.5	11,739.0	43.4	51.8	-90.00	-4,525.8	1,688.5	848.0	753.7	94.29	8.994	
16,300.0	11,738.0	16,354.5	11,739.0	44.0	52.3	-90.00	-4,625.8	1,689.1	848.0	752.6	95.41	8.888	
16,400.0	11,738.0	16,454.5	11,739.0	44.6	52.8	-90.00	-4,725.8	1,689.8	848.0	751.5	96.54	8.784	
16,500.0	11,738.0	16,554.5	11,739.0	45.3	53.3	-90.00	-4,825.8	1,690.4	848.0	750.3	97.68	8.682	
16,600.0	11,738.0	16,654.5	11,739.0	45.9	53.9	-90.00	-4,925.8	1,691.1	848.0	749.2	98.83	8.581	
16,700.0	11,738.0	16,754.5	11,739.0	46.5	54.4	-90.00	-5,025.8	1,691.7	848.0	748.0	99.99	8.481	
16,800.0	11,738.0	16,854.5	11,739.0	47.2	55.0	-90.00	-5,125.8	1,692.4	848.0	746.9	101.15	8.383	
16,900.0	11,738.0	16,954.5	11,739.0	47.8	55.5	-90.00	-5,225.8	1,693.0	848.0	745.7	102.33	8.287	
17,000.0	11,738.0	17,054.5	11,739.0	48.5	56.1	-90.00	-5,325.8	1,693.7	848.0	744.5	103.52	8.192	
17,100.0	11,738.0	17,154.5	11,739.0	49.1	56.7	-90.00	-5,425.8	1,694.3	848.0	743.3	104.71	8.099	
17,200.0	11,738.0	17,254.5	11,739.0	49.8	57.2	-90.00	-5,525.8	1,695.0	848.0	742.1	105.91	8.007	
17,300.0	11,738.0	17,354.5	11,739.0	50.5	57.8	-90.00	-5,625.8	1,695.6	848.0	740.9	107.12	7.917	
17,400.0	11,738.0	17,454.5	11,739.0	51.1	58.4	-90.00	-5,725.8	1,696.3	848.0	739.7	108.34	7.828	
17,500.0	11,738.0	17,554.5	11,739.0	51.8	59.0	-90.00	-5,825.8	1,696.9	848.0	738.5	109.56	7.740	
17,600.0	11,738.0	17,654.5	11,739.0	52.4	59.5	-90.00	-5,925.8	1,697.6	848.0	737.2	110.79	7.654	
17,700.0	11,738.0	17,754.5	11,739.0	53.1	60.1	-90.00	-6,025.8	1,698.2	848.0	736.0	112.03	7.570	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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		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	
17,800.0	11,738.0	17,854.5	11,739.0	53.8	60.7	-90.00	-6,125.8	1,698.9	848.0	734.7	113.27	7.486	
17,900.0	11,738.0	17,954.5	11,739.0	54.5	61.3	-90.00	-6,225.8	1,699.5	848.0	733.5	114.52	7.405	
18,000.0	11,738.0	18,054.5	11,739.0	55.1	61.9	-90.00	-6,325.8	1,700.2	848.0	732.2	115.78	7.324	
18,100.0	11,738.0	18,154.5	11,739.0	55.8	62.5	-90.00	-6,425.8	1,700.8	848.0	731.0	117.04	7.245	
18,200.0	11,738.0	18,254.5	11,739.0	56.5	63.1	-90.00	-6,525.8	1,701.5	848.0	729.7	118.31	7.168	
18,300.0	11,738.0	18,354.5	11,739.0	57.2	63.7	-90.00	-6,625.8	1,702.1	848.0	728.4	119.59	7.091	
18,400.0	11,738.0	18,454.5	11,739.0	57.9	64.4	-90.00	-6,725.8	1,702.8	848.0	727.1	120.86	7.016	
18,500.0	11,738.0	18,554.5	11,739.0	58.6	65.0	-90.00	-6,825.8	1,703.4	848.0	725.9	122.15	6.942	
18,600.0	11,738.0	18,654.5	11,739.0	59.3	65.6	-90.00	-6,925.8	1,704.1	848.0	724.6	123.44	6.870	
18,700.0	11,738.0	18,754.5	11,739.0	59.9	66.2	-90.00	-7,025.8	1,704.7	848.0	723.3	124.73	6.799	
18,800.0	11,738.0	18,854.5	11,739.0	60.6	66.8	-90.00	-7,125.8	1,705.4	848.0	722.0	126.03	6.729	
18,900.0	11,738.0	18,954.5	11,739.0	61.3	67.5	-90.00	-7,225.8	1,706.0	848.0	720.7	127.34	6.660	
19,000.0	11,738.0	19,054.5	11,739.0	62.0	68.1	-90.00	-7,325.8	1,706.7	848.0	719.4	128.64	6.592	
19,100.0	11,738.0	19,154.5	11,739.0	62.7	68.7	-90.00	-7,425.8	1,707.3	848.0	718.1	129.96	6.525	
19,200.0	11,738.0	19,254.5	11,739.0	63.4	69.4	-90.00	-7,525.8	1,708.0	848.0	716.7	131.27	6.460	
19,300.0	11,738.0	19,354.5	11,739.0	64.1	70.0	-90.00	-7,625.8	1,708.6	848.0	715.4	132.59	6.396	
19,400.0	11,738.0	19,454.5	11,739.0	64.8	70.7	-90.00	-7,725.8	1,709.3	848.0	714.1	133.92	6.332	
19,500.0	11,738.0	19,554.5	11,739.0	65.5	71.3	-90.00	-7,825.8	1,709.9	848.0	712.8	135.25	6.270	
19,600.0	11,738.0	19,654.5	11,739.0	66.2	71.9	-90.00	-7,925.8	1,710.6	848.0	711.4	136.58	6.209	
19,700.0	11,738.0	19,754.5	11,739.0	67.0	72.6	-90.00	-8,025.8	1,711.2	848.0	710.1	137.91	6.149	
19,800.0	11,738.0	19,854.5	11,739.0	67.7	73.2	-90.00	-8,125.8	1,711.9	848.0	708.7	139.25	6.090	
19,900.0	11,738.0	19,954.5	11,739.0	68.4	73.9	-90.00	-8,225.8	1,712.5	848.0	707.4	140.59	6.032	
20,000.0	11,738.0	20,054.5	11,739.0	69.1	74.5	-90.00	-8,325.8	1,713.2	848.0	706.1	141.94	5.974	
20,100.0	11,738.0	20,154.5	11,739.0	69.8	75.2	-90.00	-8,425.8	1,713.8	848.0	704.7	143.29	5.918	
20,200.0	11,738.0	20,254.5	11,739.0	70.5	75.9	-90.00	-8,525.8	1,714.5	848.0	703.4	144.64	5.863	
20,300.0	11,738.0	20,354.5	11,739.0	71.2	76.5	-90.00	-8,625.8	1,715.1	848.0	702.0	146.00	5.808	
20,400.0	11,738.0	20,454.5	11,739.0	71.9	77.2	-90.00	-8,725.7	1,715.8	848.0	700.6	147.35	5.755	
20,500.0	11,738.0	20,554.5	11,739.0	72.6	77.9	-90.00	-8,825.7	1,716.4	848.0	699.3	148.72	5.702	
20,600.0	11,738.0	20,654.5	11,739.0	73.4	78.5	-90.00	-8,925.7	1,717.1	848.0	697.9	150.08	5.650	
20,700.0	11,738.0	20,754.5	11,739.0	74.1	79.2	-90.00	-9,025.7	1,717.7	848.0	696.5	151.45	5.599	
20,800.0	11,738.0	20,854.5	11,739.0	74.8	79.9	-90.00	-9,125.7	1,718.4	848.0	695.2	152.81	5.549	
20,900.0	11,738.0	20,954.5	11,739.0	75.5	80.5	-90.00	-9,225.7	1,719.0	848.0	693.8	154.19	5.500	
21,000.0	11,738.0	21,054.5	11,739.0	76.2	81.2	-90.00	-9,325.7	1,719.7	848.0	692.4	155.56	5.451	
21,100.0	11,738.0	21,154.5	11,739.0	77.0	81.9	-90.00	-9,425.7	1,720.3	848.0	691.1	156.94	5.403	
21,200.0	11,738.0	21,254.5	11,739.0	77.7	82.5	-90.00	-9,525.7	1,721.0	848.0	689.7	158.32	5.356	
21,300.0	11,738.0	21,354.5	11,739.0	78.4	83.2	-90.00	-9,625.7	1,721.6	848.0	688.3	159.70	5.310	
21,400.0	11,738.0	21,454.5	11,739.0	79.1	83.9	-90.00	-9,725.7	1,722.3	848.0	686.9	161.08	5.264	
21,500.0	11,738.0	21,554.5	11,739.0	79.8	84.6	-90.00	-9,825.7	1,723.0	848.0	685.5	162.47	5.219	
21,600.0	11,738.0	21,654.5	11,739.0	80.6	85.3	-90.00	-9,925.7	1,723.6	848.0	684.1	163.85	5.175	
21,642.9	11,738.0	21,697.4	11,739.0	80.9	85.6	-90.00	-9,968.6	1,723.9	848.0	683.5	164.45	5.157	
21,692.9	11,738.0	21,747.4	11,739.0	81.2	85.9	-90.00	-10,018.6	1,724.2	848.0	682.8	165.14	5.135	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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 Depths are relative to GL @ 3175.0usft

Offset Depths are relative to Offset Datum

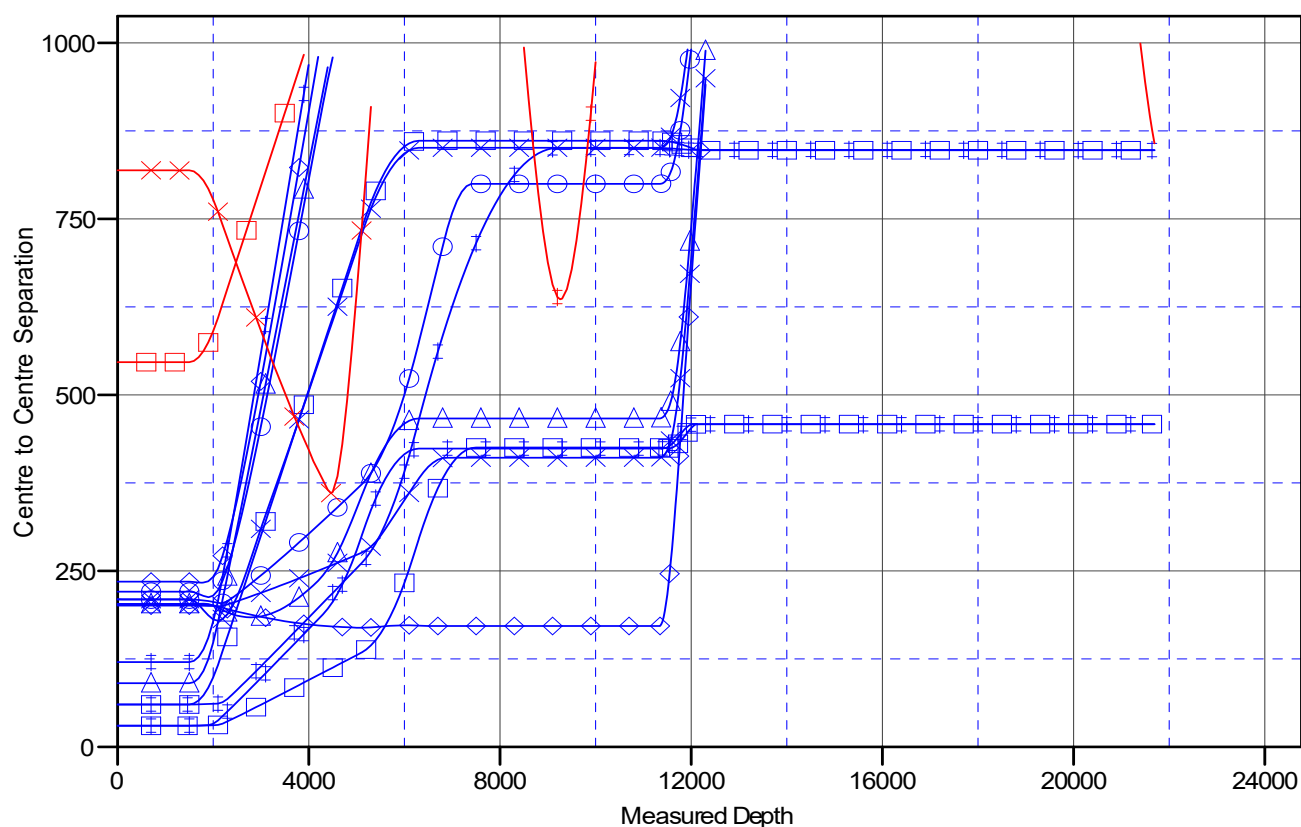
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #755H

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

ODELL STATE 54-1-6 LOV #2H OWB, AWP V0	ZIA HILLS UNIT 2032 WC #705H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #755H, OWB, PWP0 V0
ZIA HILLS UNIT 2032 WC #753H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #753H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0
ZIA HILLS UNIT 2032 WC #753H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	BUCK 20 FEDERAL #3H (P&A) OWB, AWP V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	RUSSELL FEDERAL #12, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	RUSSELL FEDERAL #5 (P&A) OWB, AWP V0
ZIA HILLS UNIT 2032 WC #707H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	

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 #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	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 Depths are relative to GL @ 3175.0usft

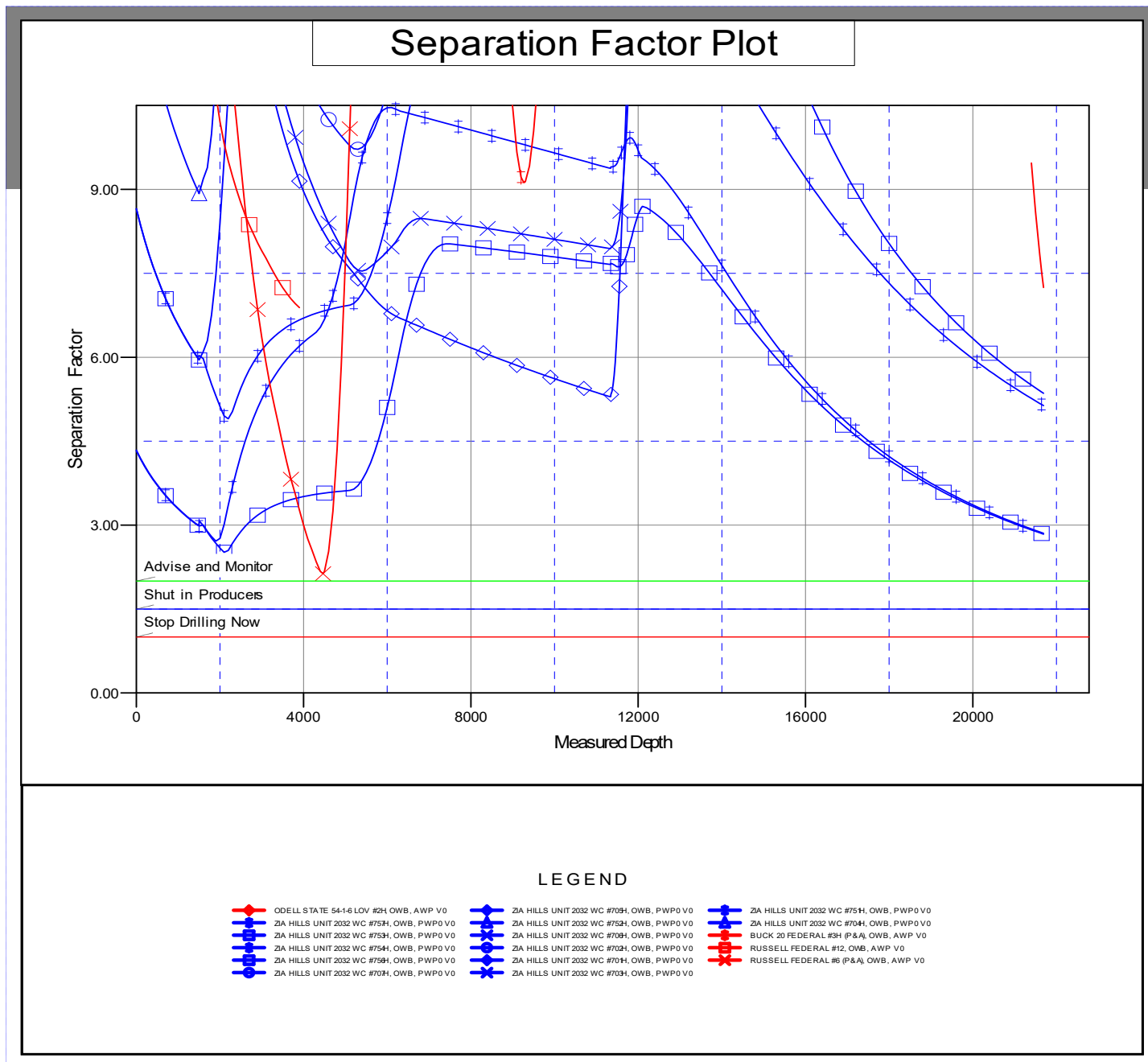
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #755H

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

Grid Convergence at Surface is: 0.33°



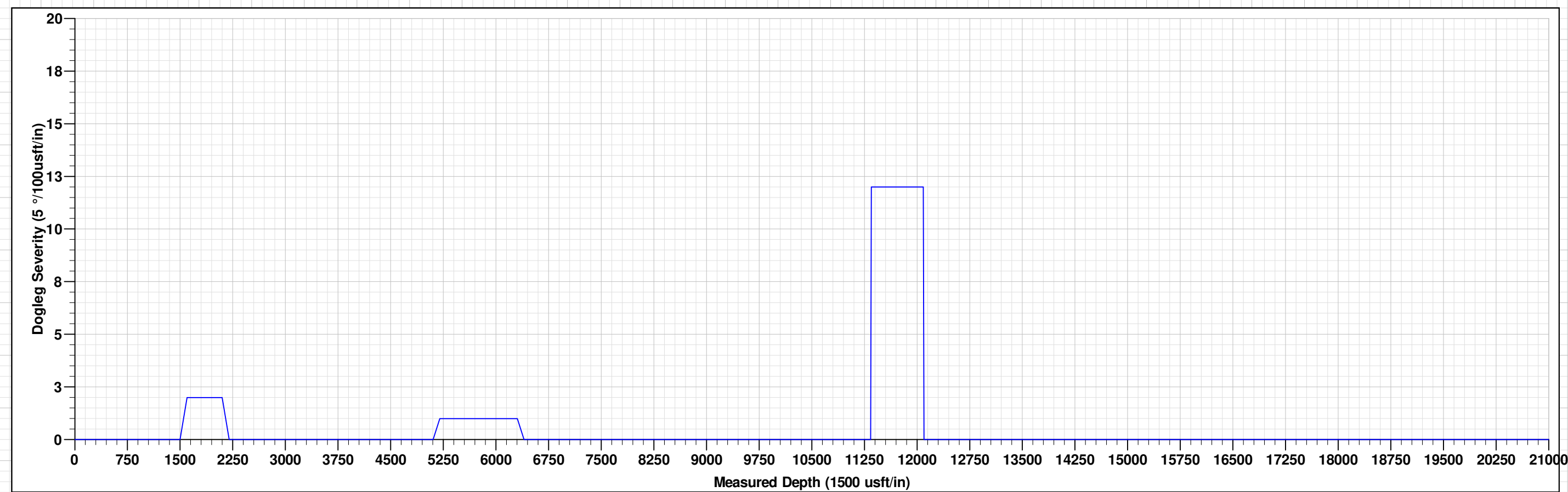
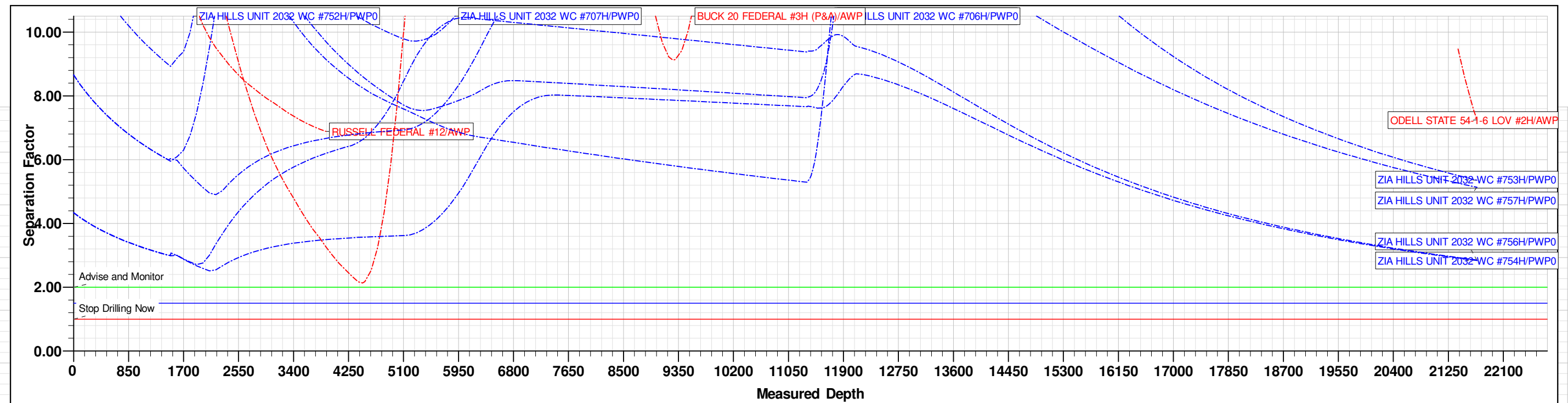
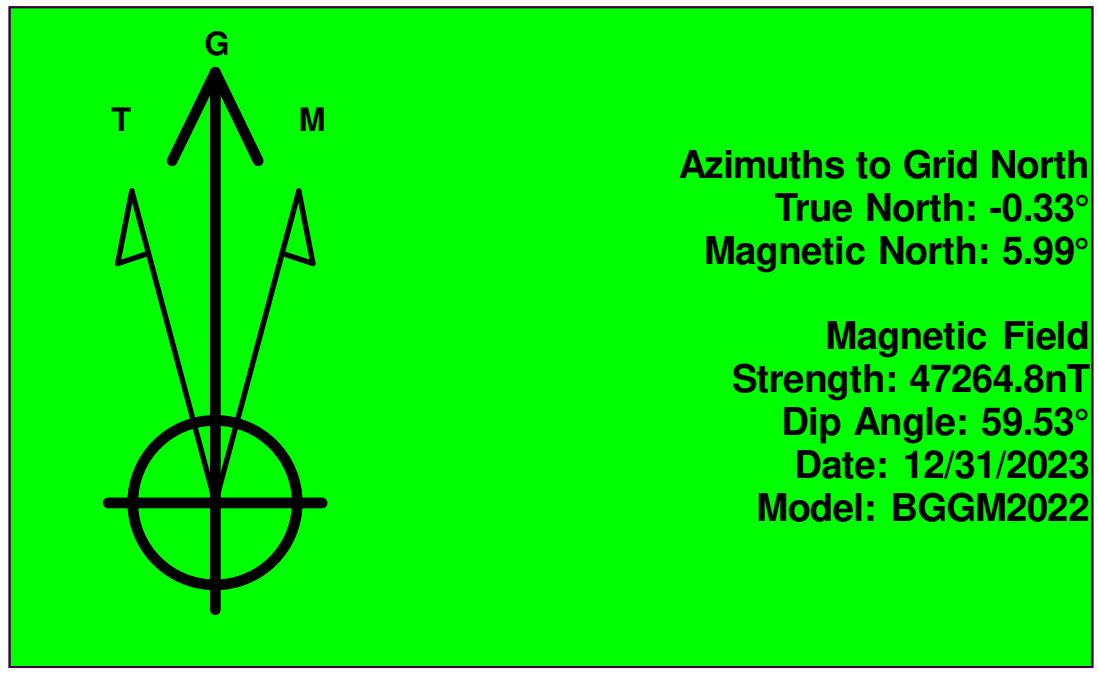
CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



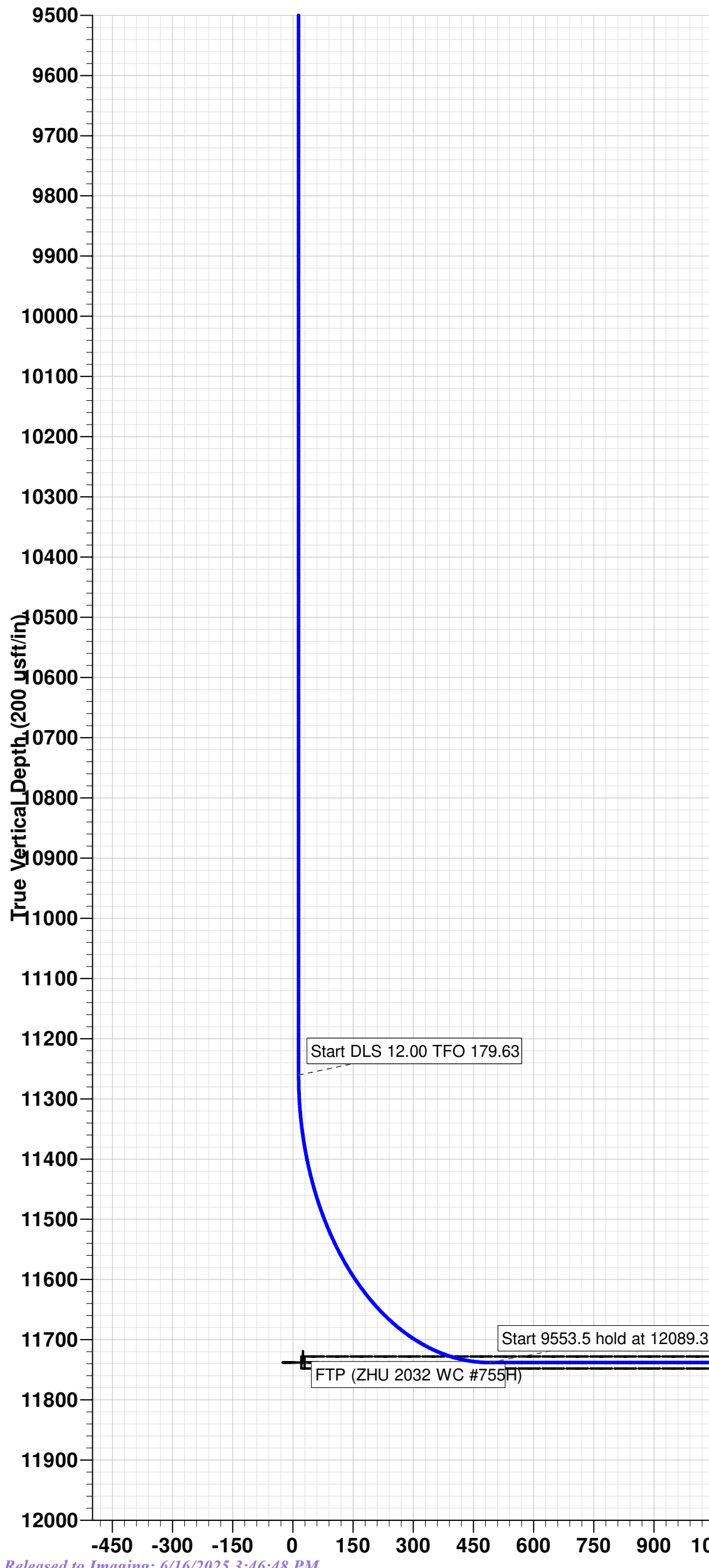
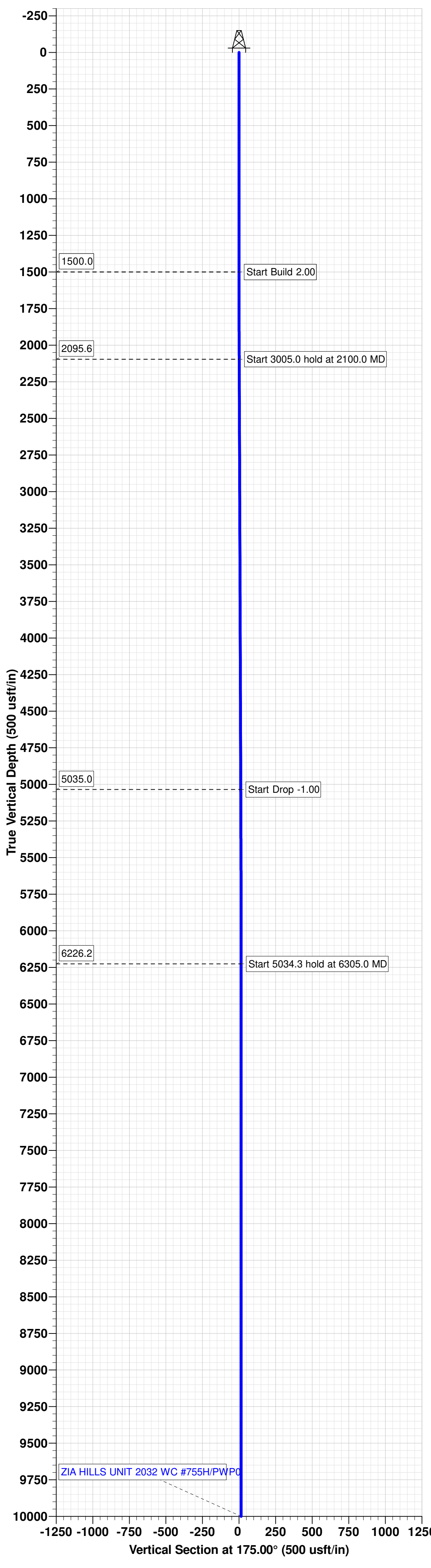
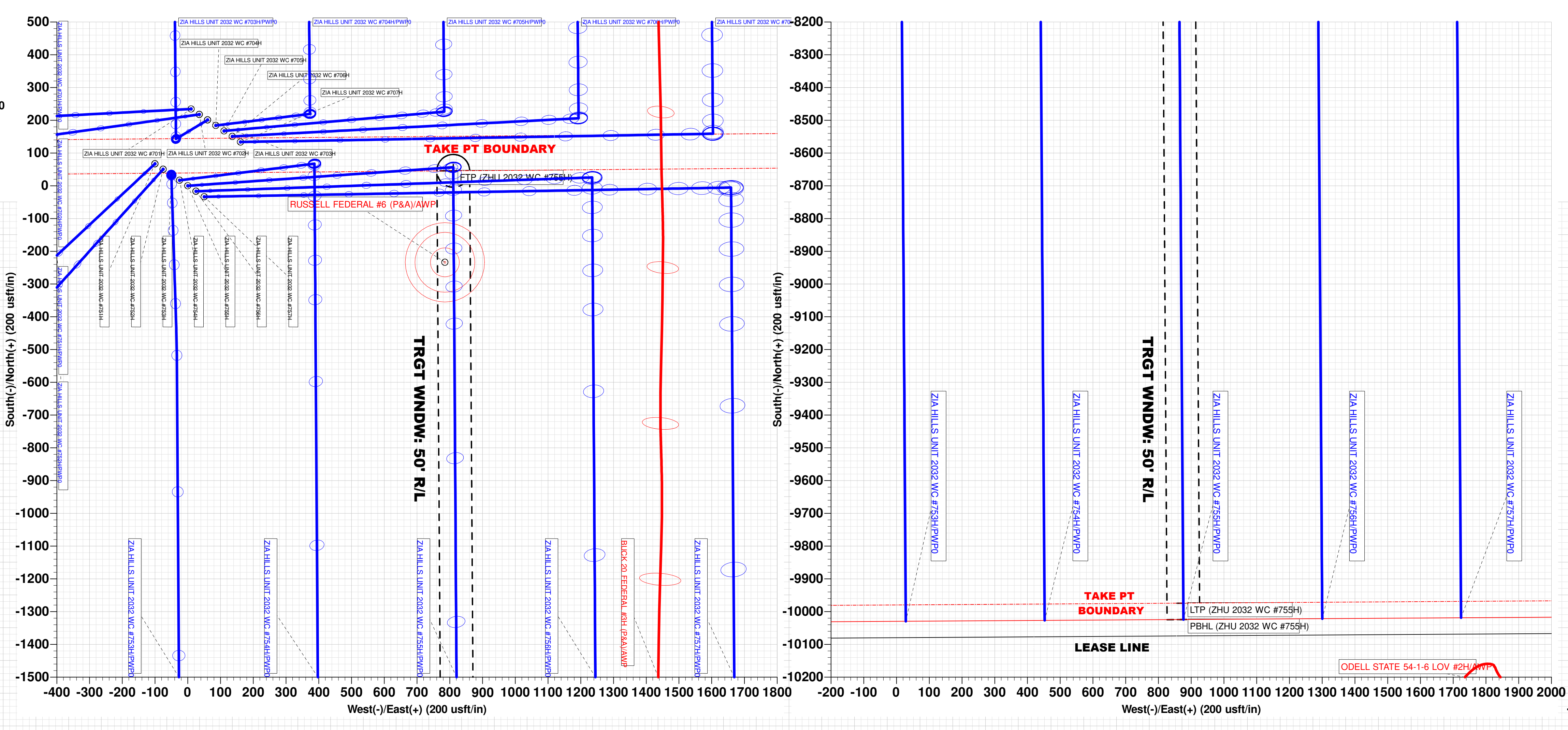
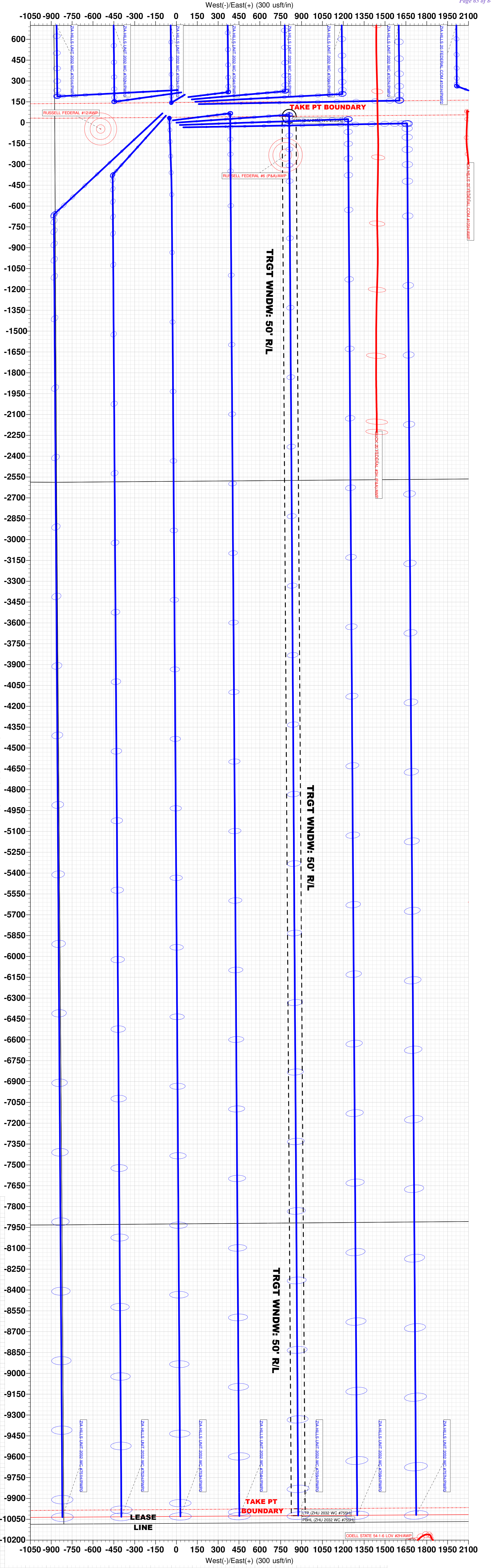
Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS UNIT 2032 PROJECT
Well: ZIA HILLS UNIT 2032 WC #755H
Wellbore: OWB
Design: PWP0
GL: 3175.0
GL @ 3175.0usft

WELL DETAILS: ZIA HILLS UNIT 2032 WC #755H					
+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	374410.32	695507.37	32° 1' 40.077 N	103° 42' 8.888 W

DESIGN TARGET DETAILS					
Name	TVD	+N-S	+E-W	Northing	Easting
FTP (ZHU 2032 WC #755H)	11738.0	45.7	810.8	374455.99	696318.14
LTP (ZHU 2032 WC #755H)	11738.0	-9974.1	875.9	364436.22	696383.28
PBHL (ZHU 2032 WC #755H)	11738.0	-10024.1	876.2	364386.22	696383.57
Shape					
Circle (Radius: 50.0)					
Point					
Rectangle (Sides: L10070.2 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	
2100.0	12.00	86.00	2095.6	4.4	62.5	1.1	62.6	Start 3005.0 hold at 2100.0 MD	
5105.0	12.00	86.00	5035.0	47.9	685.7	11.9	687.4	Start Drop -1.00	
6305.0	0.00	0.00	6226.2	56.7	810.6	14.1	812.6	Start 5034.3 hold at 6305.0 MD	
11339.3	0.00	0.00	11260.5	56.7	810.6	14.1	812.6	Start DLS 12.00 TFO 179.63	
12089.3	90.00	179.63	11738.0	-420.8	813.7	490.0	1290.1	Start 9553.5 hold at 12089.3 MD	
21642.9	90.00	179.63	11738.0	-9974.1	875.9	10012.5	10843.6	Start 50.0 hold at 21642.9 MD	
21692.9	90.00	179.63	11738.0	-10024.1	876.2	10062.3	10893.6	TD at 21692.9	



DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #755H

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 #755H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3175.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3175.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #755H	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 #755H		
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' 40.077 N
		Longitude:	103° 42' 8.888 W
		Ground Level:	3,175.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	12/31/2023	6.33	59.53	47,264.82310951

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	175.00	

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	11,339.3 PWP0 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,339.3	21,692.9 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 #755H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3175.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3175.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #755H	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	
2,100.0	12.00	86.00	2,095.6	4.4	62.5	2.00	2.00	0.00	86.00	
5,105.0	12.00	86.00	5,035.0	47.9	685.7	0.00	0.00	0.00	0.00	
6,305.0	0.00	0.00	6,226.2	56.7	810.6	1.00	-1.00	0.00	180.00	
11,339.3	0.00	0.00	11,260.5	56.7	810.6	0.00	0.00	0.00	0.00	
12,089.3	90.00	179.63	11,738.0	-420.8	813.7	12.00	12.00	23.95	179.63	
21,642.9	90.00	179.63	11,738.0	-9,974.1	875.9	0.00	0.00	0.00	0.00	
21,692.9	90.00	179.63	11,738.0	-10,024.1	876.2	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 #755H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3175.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3175.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #755H	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	86.00	1,600.0	0.1	1.7	0.0	2.00	2.00	0.00
1,700.0	4.00	86.00	1,699.8	0.5	7.0	0.1	2.00	2.00	0.00
1,800.0	6.00	86.00	1,799.5	1.1	15.7	0.3	2.00	2.00	0.00
1,900.0	8.00	86.00	1,898.7	1.9	27.8	0.5	2.00	2.00	0.00
2,000.0	10.00	86.00	1,997.5	3.0	43.4	0.8	2.00	2.00	0.00
2,100.0	12.00	86.00	2,095.6	4.4	62.5	1.1	2.00	2.00	0.00
Start 3005.0 hold at 2100.0 MD									
2,200.0	12.00	86.00	2,193.4	5.8	83.2	1.4	0.00	0.00	0.00
2,300.0	12.00	86.00	2,291.3	7.3	103.9	1.8	0.00	0.00	0.00
2,400.0	12.00	86.00	2,389.1	8.7	124.7	2.2	0.00	0.00	0.00
2,500.0	12.00	86.00	2,486.9	10.2	145.4	2.5	0.00	0.00	0.00
2,600.0	12.00	86.00	2,584.7	11.6	166.2	2.9	0.00	0.00	0.00
2,700.0	12.00	86.00	2,682.5	13.1	186.9	3.3	0.00	0.00	0.00
2,800.0	12.00	86.00	2,780.3	14.5	207.6	3.6	0.00	0.00	0.00
2,900.0	12.00	86.00	2,878.1	16.0	228.4	4.0	0.00	0.00	0.00
3,000.0	12.00	86.00	2,976.0	17.4	249.1	4.3	0.00	0.00	0.00
3,100.0	12.00	86.00	3,073.8	18.9	269.9	4.7	0.00	0.00	0.00
3,200.0	12.00	86.00	3,171.6	20.3	290.6	5.1	0.00	0.00	0.00
3,300.0	12.00	86.00	3,269.4	21.8	311.3	5.4	0.00	0.00	0.00
3,400.0	12.00	86.00	3,367.2	23.2	332.1	5.8	0.00	0.00	0.00
3,500.0	12.00	86.00	3,465.0	24.7	352.8	6.1	0.00	0.00	0.00
3,600.0	12.00	86.00	3,562.8	26.1	373.6	6.5	0.00	0.00	0.00
3,700.0	12.00	86.00	3,660.7	27.6	394.3	6.9	0.00	0.00	0.00
3,800.0	12.00	86.00	3,758.5	29.0	415.0	7.2	0.00	0.00	0.00
3,900.0	12.00	86.00	3,856.3	30.5	435.8	7.6	0.00	0.00	0.00
4,000.0	12.00	86.00	3,954.1	31.9	456.5	8.0	0.00	0.00	0.00
4,100.0	12.00	86.00	4,051.9	33.4	477.3	8.3	0.00	0.00	0.00
4,200.0	12.00	86.00	4,149.7	34.8	498.0	8.7	0.00	0.00	0.00
4,300.0	12.00	86.00	4,247.5	36.3	518.7	9.0	0.00	0.00	0.00
4,400.0	12.00	86.00	4,345.4	37.7	539.5	9.4	0.00	0.00	0.00
4,500.0	12.00	86.00	4,443.2	39.2	560.2	9.8	0.00	0.00	0.00
4,600.0	12.00	86.00	4,541.0	40.6	581.0	10.1	0.00	0.00	0.00
4,700.0	12.00	86.00	4,638.8	42.1	601.7	10.5	0.00	0.00	0.00
4,800.0	12.00	86.00	4,736.6	43.5	622.4	10.8	0.00	0.00	0.00
4,900.0	12.00	86.00	4,834.4	45.0	643.2	11.2	0.00	0.00	0.00
5,000.0	12.00	86.00	4,932.3	46.4	663.9	11.6	0.00	0.00	0.00
5,105.0	12.00	86.00	5,035.0	47.9	685.7	11.9	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 #755H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3175.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3175.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #755H	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)
Start Drop -1.00									
5,200.0	11.05	86.00	5,128.0	49.3	704.6	12.3	1.00	-1.00	0.00
5,300.0	10.05	86.00	5,226.3	50.6	722.9	12.6	1.00	-1.00	0.00
5,400.0	9.05	86.00	5,325.0	51.7	739.5	12.9	1.00	-1.00	0.00
5,500.0	8.05	86.00	5,423.8	52.7	754.3	13.1	1.00	-1.00	0.00
5,600.0	7.05	86.00	5,523.0	53.7	767.4	13.4	1.00	-1.00	0.00
5,700.0	6.05	86.00	5,622.3	54.5	778.8	13.6	1.00	-1.00	0.00
5,800.0	5.05	86.00	5,721.9	55.1	788.4	13.7	1.00	-1.00	0.00
5,900.0	4.05	86.00	5,821.5	55.7	796.3	13.9	1.00	-1.00	0.00
6,000.0	3.05	86.00	5,921.3	56.1	802.5	14.0	1.00	-1.00	0.00
6,100.0	2.05	86.00	6,021.2	56.4	807.0	14.1	1.00	-1.00	0.00
6,200.0	1.05	86.00	6,121.2	56.6	809.7	14.1	1.00	-1.00	0.00
6,305.0	0.00	0.00	6,226.2	56.7	810.6	14.1	1.00	-1.00	0.00
Start 5034.3 hold at 6305.0 MD									
6,400.0	0.00	0.00	6,321.2	56.7	810.6	14.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,421.2	56.7	810.6	14.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,521.2	56.7	810.6	14.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,621.2	56.7	810.6	14.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,721.2	56.7	810.6	14.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,821.2	56.7	810.6	14.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,921.2	56.7	810.6	14.1	0.00	0.00	0.00
7,100.0	0.00	0.00	7,021.2	56.7	810.6	14.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,121.2	56.7	810.6	14.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,221.2	56.7	810.6	14.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,321.2	56.7	810.6	14.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,421.2	56.7	810.6	14.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,521.2	56.7	810.6	14.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,621.2	56.7	810.6	14.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,721.2	56.7	810.6	14.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,821.2	56.7	810.6	14.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,921.2	56.7	810.6	14.1	0.00	0.00	0.00
8,100.0	0.00	0.00	8,021.2	56.7	810.6	14.1	0.00	0.00	0.00
8,200.0	0.00	0.00	8,121.2	56.7	810.6	14.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,221.2	56.7	810.6	14.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,321.2	56.7	810.6	14.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,421.2	56.7	810.6	14.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,521.2	56.7	810.6	14.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,621.2	56.7	810.6	14.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,721.2	56.7	810.6	14.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,821.2	56.7	810.6	14.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,921.2	56.7	810.6	14.1	0.00	0.00	0.00
9,100.0	0.00	0.00	9,021.2	56.7	810.6	14.1	0.00	0.00	0.00
9,200.0	0.00	0.00	9,121.2	56.7	810.6	14.1	0.00	0.00	0.00
9,300.0	0.00	0.00	9,221.2	56.7	810.6	14.1	0.00	0.00	0.00
9,400.0	0.00	0.00	9,321.2	56.7	810.6	14.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,421.2	56.7	810.6	14.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,521.2	56.7	810.6	14.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,621.2	56.7	810.6	14.1	0.00	0.00	0.00
9,800.0	0.00	0.00	9,721.2	56.7	810.6	14.1	0.00	0.00	0.00
9,900.0	0.00	0.00	9,821.2	56.7	810.6	14.1	0.00	0.00	0.00
10,000.0	0.00	0.00	9,921.2	56.7	810.6	14.1	0.00	0.00	0.00
10,100.0	0.00	0.00	10,021.2	56.7	810.6	14.1	0.00	0.00	0.00
10,200.0	0.00	0.00	10,121.2	56.7	810.6	14.1	0.00	0.00	0.00
10,300.0	0.00	0.00	10,221.2	56.7	810.6	14.1	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 #755H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3175.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3175.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #755H	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)
10,400.0	0.00	0.00	10,321.2	56.7	810.6	14.1	0.00	0.00	0.00
10,500.0	0.00	0.00	10,421.2	56.7	810.6	14.1	0.00	0.00	0.00
10,600.0	0.00	0.00	10,521.2	56.7	810.6	14.1	0.00	0.00	0.00
10,700.0	0.00	0.00	10,621.2	56.7	810.6	14.1	0.00	0.00	0.00
10,800.0	0.00	0.00	10,721.2	56.7	810.6	14.1	0.00	0.00	0.00
10,900.0	0.00	0.00	10,821.2	56.7	810.6	14.1	0.00	0.00	0.00
11,000.0	0.00	0.00	10,921.2	56.7	810.6	14.1	0.00	0.00	0.00
11,100.0	0.00	0.00	11,021.2	56.7	810.6	14.1	0.00	0.00	0.00
11,200.0	0.00	0.00	11,121.2	56.7	810.6	14.1	0.00	0.00	0.00
11,300.0	0.00	0.00	11,221.2	56.7	810.6	14.1	0.00	0.00	0.00
11,339.3	0.00	0.00	11,260.5	56.7	810.6	14.1	0.00	0.00	0.00
Start DLS 12.00 TFO 179.63									
11,350.0	1.28	179.63	11,271.2	56.6	810.6	14.2	12.00	12.00	0.00
11,375.0	4.28	179.63	11,296.2	55.4	810.6	15.4	12.00	12.00	0.00
11,400.0	7.28	179.63	11,321.0	52.8	810.6	18.0	12.00	12.00	0.00
11,425.0	10.28	179.63	11,345.7	49.0	810.7	21.8	12.00	12.00	0.00
11,450.0	13.28	179.63	11,370.2	43.9	810.7	26.8	12.00	12.00	0.00
11,475.0	16.28	179.63	11,394.4	37.5	810.7	33.2	12.00	12.00	0.00
11,500.0	19.28	179.63	11,418.2	29.9	810.8	40.8	12.00	12.00	0.00
11,525.0	22.28	179.63	11,441.6	21.0	810.8	49.6	12.00	12.00	0.00
11,550.0	25.28	179.63	11,464.4	11.0	810.9	59.7	12.00	12.00	0.00
11,575.0	28.28	179.63	11,486.7	-0.3	811.0	70.9	12.00	12.00	0.00
11,600.0	31.28	179.63	11,508.4	-12.7	811.1	83.3	12.00	12.00	0.00
11,625.0	34.28	179.63	11,529.5	-26.3	811.2	96.8	12.00	12.00	0.00
11,650.0	37.28	179.63	11,549.7	-40.9	811.2	111.4	12.00	12.00	0.00
11,675.0	40.28	179.63	11,569.2	-56.5	811.3	127.0	12.00	12.00	0.00
11,700.0	43.28	179.63	11,587.9	-73.2	811.5	143.6	12.00	12.00	0.00
11,725.0	46.28	179.63	11,605.6	-90.8	811.6	161.1	12.00	12.00	0.00
11,750.0	49.28	179.63	11,622.4	-109.3	811.7	179.6	12.00	12.00	0.00
11,775.0	52.28	179.63	11,638.2	-128.7	811.8	198.9	12.00	12.00	0.00
11,800.0	55.28	179.63	11,653.0	-148.8	811.9	219.0	12.00	12.00	0.00
11,825.0	58.28	179.63	11,666.7	-169.7	812.1	239.8	12.00	12.00	0.00
11,850.0	61.28	179.63	11,679.3	-191.3	812.2	261.3	12.00	12.00	0.00
11,875.0	64.28	179.63	11,690.7	-213.6	812.4	283.5	12.00	12.00	0.00
11,900.0	67.28	179.63	11,701.0	-236.4	812.5	306.2	12.00	12.00	0.00
11,925.0	70.28	179.63	11,710.0	-259.7	812.7	329.4	12.00	12.00	0.00
11,950.0	73.28	179.63	11,717.8	-283.4	812.8	353.1	12.00	12.00	0.00
11,975.0	76.28	179.63	11,724.4	-307.5	813.0	377.2	12.00	12.00	0.00
12,000.0	79.28	179.63	11,729.7	-332.0	813.1	401.5	12.00	12.00	0.00
12,025.0	82.28	179.63	11,733.7	-356.6	813.3	426.1	12.00	12.00	0.00
12,050.0	85.28	179.63	11,736.4	-381.5	813.5	450.9	12.00	12.00	0.00
12,075.0	88.28	179.63	11,737.8	-406.4	813.6	475.7	12.00	12.00	0.00
12,089.3	90.00	179.63	11,738.0	-420.8	813.7	490.0	12.00	12.00	0.00
Start 9553.5 hold at 12089.3 MD									
12,100.0	90.00	179.63	11,738.0	-431.4	813.8	500.7	0.00	0.00	0.00
12,200.0	90.00	179.63	11,738.0	-531.4	814.4	600.3	0.00	0.00	0.00
12,300.0	90.00	179.63	11,738.0	-631.4	815.1	700.0	0.00	0.00	0.00
12,400.0	90.00	179.63	11,738.0	-731.4	815.7	799.7	0.00	0.00	0.00
12,500.0	90.00	179.63	11,738.0	-831.4	816.4	899.4	0.00	0.00	0.00
12,600.0	90.00	179.63	11,738.0	-931.4	817.0	999.0	0.00	0.00	0.00
12,700.0	90.00	179.63	11,738.0	-1,031.4	817.7	1,098.7	0.00	0.00	0.00
12,800.0	90.00	179.63	11,738.0	-1,131.4	818.3	1,198.4	0.00	0.00	0.00
12,900.0	90.00	179.63	11,738.0	-1,231.4	819.0	1,298.1	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 #755H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3175.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3175.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #755H	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)
13,000.0	90.00	179.63	11,738.0	-1,331.4	819.6	1,397.7	0.00	0.00	0.00
13,100.0	90.00	179.63	11,738.0	-1,431.4	820.3	1,497.4	0.00	0.00	0.00
13,200.0	90.00	179.63	11,738.0	-1,531.4	821.0	1,597.1	0.00	0.00	0.00
13,300.0	90.00	179.63	11,738.0	-1,631.4	821.6	1,696.8	0.00	0.00	0.00
13,400.0	90.00	179.63	11,738.0	-1,731.4	822.3	1,796.4	0.00	0.00	0.00
13,500.0	90.00	179.63	11,738.0	-1,831.4	822.9	1,896.1	0.00	0.00	0.00
13,600.0	90.00	179.63	11,738.0	-1,931.4	823.6	1,995.8	0.00	0.00	0.00
13,700.0	90.00	179.63	11,738.0	-2,031.4	824.2	2,095.5	0.00	0.00	0.00
13,800.0	90.00	179.63	11,738.0	-2,131.4	824.9	2,195.1	0.00	0.00	0.00
13,900.0	90.00	179.63	11,738.0	-2,231.4	825.5	2,294.8	0.00	0.00	0.00
14,000.0	90.00	179.63	11,738.0	-2,331.4	826.2	2,394.5	0.00	0.00	0.00
14,100.0	90.00	179.63	11,738.0	-2,431.4	826.8	2,494.2	0.00	0.00	0.00
14,200.0	90.00	179.63	11,738.0	-2,531.4	827.5	2,593.8	0.00	0.00	0.00
14,300.0	90.00	179.63	11,738.0	-2,631.4	828.1	2,693.5	0.00	0.00	0.00
14,400.0	90.00	179.63	11,738.0	-2,731.4	828.8	2,793.2	0.00	0.00	0.00
14,500.0	90.00	179.63	11,738.0	-2,831.4	829.4	2,892.9	0.00	0.00	0.00
14,600.0	90.00	179.63	11,738.0	-2,931.4	830.1	2,992.5	0.00	0.00	0.00
14,700.0	90.00	179.63	11,738.0	-3,031.4	830.7	3,092.2	0.00	0.00	0.00
14,800.0	90.00	179.63	11,738.0	-3,131.4	831.4	3,191.9	0.00	0.00	0.00
14,900.0	90.00	179.63	11,738.0	-3,231.4	832.0	3,291.6	0.00	0.00	0.00
15,000.0	90.00	179.63	11,738.0	-3,331.4	832.7	3,391.2	0.00	0.00	0.00
15,100.0	90.00	179.63	11,738.0	-3,431.4	833.3	3,490.9	0.00	0.00	0.00
15,200.0	90.00	179.63	11,738.0	-3,531.4	834.0	3,590.6	0.00	0.00	0.00
15,300.0	90.00	179.63	11,738.0	-3,631.4	834.6	3,690.3	0.00	0.00	0.00
15,400.0	90.00	179.63	11,738.0	-3,731.4	835.3	3,789.9	0.00	0.00	0.00
15,500.0	90.00	179.63	11,738.0	-3,831.4	835.9	3,889.6	0.00	0.00	0.00
15,600.0	90.00	179.63	11,738.0	-3,931.4	836.6	3,989.3	0.00	0.00	0.00
15,700.0	90.00	179.63	11,738.0	-4,031.4	837.2	4,089.0	0.00	0.00	0.00
15,800.0	90.00	179.63	11,738.0	-4,131.4	837.9	4,188.6	0.00	0.00	0.00
15,900.0	90.00	179.63	11,738.0	-4,231.4	838.5	4,288.3	0.00	0.00	0.00
16,000.0	90.00	179.63	11,738.0	-4,331.4	839.2	4,388.0	0.00	0.00	0.00
16,100.0	90.00	179.63	11,738.0	-4,431.4	839.8	4,487.7	0.00	0.00	0.00
16,200.0	90.00	179.63	11,738.0	-4,531.4	840.5	4,587.3	0.00	0.00	0.00
16,300.0	90.00	179.63	11,738.0	-4,631.3	841.1	4,687.0	0.00	0.00	0.00
16,400.0	90.00	179.63	11,738.0	-4,731.3	841.8	4,786.7	0.00	0.00	0.00
16,500.0	90.00	179.63	11,738.0	-4,831.3	842.4	4,886.3	0.00	0.00	0.00
16,600.0	90.00	179.63	11,738.0	-4,931.3	843.1	4,986.0	0.00	0.00	0.00
16,700.0	90.00	179.63	11,738.0	-5,031.3	843.7	5,085.7	0.00	0.00	0.00
16,800.0	90.00	179.63	11,738.0	-5,131.3	844.4	5,185.4	0.00	0.00	0.00
16,900.0	90.00	179.63	11,738.0	-5,231.3	845.0	5,285.0	0.00	0.00	0.00
17,000.0	90.00	179.63	11,738.0	-5,331.3	845.7	5,384.7	0.00	0.00	0.00
17,100.0	90.00	179.63	11,738.0	-5,431.3	846.3	5,484.4	0.00	0.00	0.00
17,200.0	90.00	179.63	11,738.0	-5,531.3	847.0	5,584.1	0.00	0.00	0.00
17,300.0	90.00	179.63	11,738.0	-5,631.3	847.6	5,683.7	0.00	0.00	0.00
17,400.0	90.00	179.63	11,738.0	-5,731.3	848.3	5,783.4	0.00	0.00	0.00
17,500.0	90.00	179.63	11,738.0	-5,831.3	848.9	5,883.1	0.00	0.00	0.00
17,600.0	90.00	179.63	11,738.0	-5,931.3	849.6	5,982.8	0.00	0.00	0.00
17,700.0	90.00	179.63	11,738.0	-6,031.3	850.2	6,082.4	0.00	0.00	0.00
17,800.0	90.00	179.63	11,738.0	-6,131.3	850.9	6,182.1	0.00	0.00	0.00
17,900.0	90.00	179.63	11,738.0	-6,231.3	851.5	6,281.8	0.00	0.00	0.00
18,000.0	90.00	179.63	11,738.0	-6,331.3	852.2	6,381.5	0.00	0.00	0.00
18,100.0	90.00	179.63	11,738.0	-6,431.3	852.8	6,481.1	0.00	0.00	0.00
18,200.0	90.00	179.63	11,738.0	-6,531.3	853.5	6,580.8	0.00	0.00	0.00
18,300.0	90.00	179.63	11,738.0	-6,631.3	854.1	6,680.5	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 #755H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3175.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3175.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #755H	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)
18,400.0	90.00	179.63	11,738.0	-6,731.3	854.8	6,780.2	0.00	0.00	0.00
18,500.0	90.00	179.63	11,738.0	-6,831.3	855.5	6,879.8	0.00	0.00	0.00
18,600.0	90.00	179.63	11,738.0	-6,931.3	856.1	6,979.5	0.00	0.00	0.00
18,700.0	90.00	179.63	11,738.0	-7,031.3	856.8	7,079.2	0.00	0.00	0.00
18,800.0	90.00	179.63	11,738.0	-7,131.3	857.4	7,178.9	0.00	0.00	0.00
18,900.0	90.00	179.63	11,738.0	-7,231.3	858.1	7,278.5	0.00	0.00	0.00
19,000.0	90.00	179.63	11,738.0	-7,331.3	858.7	7,378.2	0.00	0.00	0.00
19,100.0	90.00	179.63	11,738.0	-7,431.3	859.4	7,477.9	0.00	0.00	0.00
19,200.0	90.00	179.63	11,738.0	-7,531.3	860.0	7,577.6	0.00	0.00	0.00
19,300.0	90.00	179.63	11,738.0	-7,631.3	860.7	7,677.2	0.00	0.00	0.00
19,400.0	90.00	179.63	11,738.0	-7,731.3	861.3	7,776.9	0.00	0.00	0.00
19,500.0	90.00	179.63	11,738.0	-7,831.3	862.0	7,876.6	0.00	0.00	0.00
19,600.0	90.00	179.63	11,738.0	-7,931.3	862.6	7,976.3	0.00	0.00	0.00
19,700.0	90.00	179.63	11,738.0	-8,031.3	863.3	8,075.9	0.00	0.00	0.00
19,800.0	90.00	179.63	11,738.0	-8,131.3	863.9	8,175.6	0.00	0.00	0.00
19,900.0	90.00	179.63	11,738.0	-8,231.3	864.6	8,275.3	0.00	0.00	0.00
20,000.0	90.00	179.63	11,738.0	-8,331.3	865.2	8,375.0	0.00	0.00	0.00
20,100.0	90.00	179.63	11,738.0	-8,431.3	865.9	8,474.6	0.00	0.00	0.00
20,200.0	90.00	179.63	11,738.0	-8,531.3	866.5	8,574.3	0.00	0.00	0.00
20,300.0	90.00	179.63	11,738.0	-8,631.3	867.2	8,674.0	0.00	0.00	0.00
20,400.0	90.00	179.63	11,738.0	-8,731.3	867.8	8,773.7	0.00	0.00	0.00
20,500.0	90.00	179.63	11,738.0	-8,831.3	868.5	8,873.3	0.00	0.00	0.00
20,600.0	90.00	179.63	11,738.0	-8,931.3	869.1	8,973.0	0.00	0.00	0.00
20,700.0	90.00	179.63	11,738.0	-9,031.3	869.8	9,072.7	0.00	0.00	0.00
20,800.0	90.00	179.63	11,738.0	-9,131.3	870.4	9,172.4	0.00	0.00	0.00
20,900.0	90.00	179.63	11,738.0	-9,231.3	871.1	9,272.0	0.00	0.00	0.00
21,000.0	90.00	179.63	11,738.0	-9,331.2	871.7	9,371.7	0.00	0.00	0.00
21,100.0	90.00	179.63	11,738.0	-9,431.2	872.4	9,471.4	0.00	0.00	0.00
21,200.0	90.00	179.63	11,738.0	-9,531.2	873.0	9,571.1	0.00	0.00	0.00
21,300.0	90.00	179.63	11,738.0	-9,631.2	873.7	9,670.7	0.00	0.00	0.00
21,400.0	90.00	179.63	11,738.0	-9,731.2	874.3	9,770.4	0.00	0.00	0.00
21,500.0	90.00	179.63	11,738.0	-9,831.2	875.0	9,870.1	0.00	0.00	0.00
21,600.0	90.00	179.63	11,738.0	-9,931.2	875.6	9,969.8	0.00	0.00	0.00
21,642.9	90.00	179.63	11,738.0	-9,974.1	875.9	10,012.5	0.00	0.00	0.00
Start 50.0 hold at 21642.9 MD									
21,692.9	90.00	179.63	11,738.0	-10,024.1	876.2	10,062.3	0.00	0.00	0.00
TD at 21692.9									

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3175.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3175.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
LTP (ZHU 2032 WC #75	0.00	0.00	11,738.0	-9,974.1	875.9	364,436.22	696,383.28	32° 0' 1.321 N	103° 41' 59.392 W
- plan hits target center									
- Point									
FTP (ZHU 2032 WC #75	0.00	0.00	11,738.0	45.7	810.8	374,455.99	696,318.14	32° 1' 40.482 N	103° 41' 59.467 W
- plan misses target center by 190.1usft at 11722.9usft MD (11604.1 TVD, -89.2 N, 811.6 E)									
- Circle (radius 50.0)									
PBHL (ZHU 2032 WC #7	0.00	359.63	11,738.0	-10,024.1	876.2	364,386.22	696,383.57	32° 0' 0.826 N	103° 41' 59.392 W
- plan hits target center									
- Rectangle (sides W100.0 H10,070.2 D20.0)									

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
	11,339.3	11,260.5	DB INT 7-5/8"	7-5/8	9-7/8
	21,692.9	11,738.0	DB PROD 5 1/2"	5-1/2	6-3/4

Plan Annotations					
	Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
			+N/-S (usft)	+E/-W (usft)	
	1,500.0	1,500.0	0.0	0.0	Start Build 2.00
	2,100.0	2,095.6	4.4	62.5	Start 3005.0 hold at 2100.0 MD
	5,105.0	5,035.0	47.9	685.7	Start Drop -1.00
	6,305.0	6,226.2	56.7	810.6	Start 5034.3 hold at 6305.0 MD
	11,339.3	11,260.5	56.7	810.6	Start DLS 12.00 TFO 179.63
	12,089.3	11,738.0	-420.8	813.7	Start 9553.5 hold at 12089.3 MD
	21,642.9	11,738.0	-9,974.1	875.9	Start 50.0 hold at 21642.9 MD
	21,692.9	11,738.0	-10,024.1	876.2	TD at 21692.9

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)

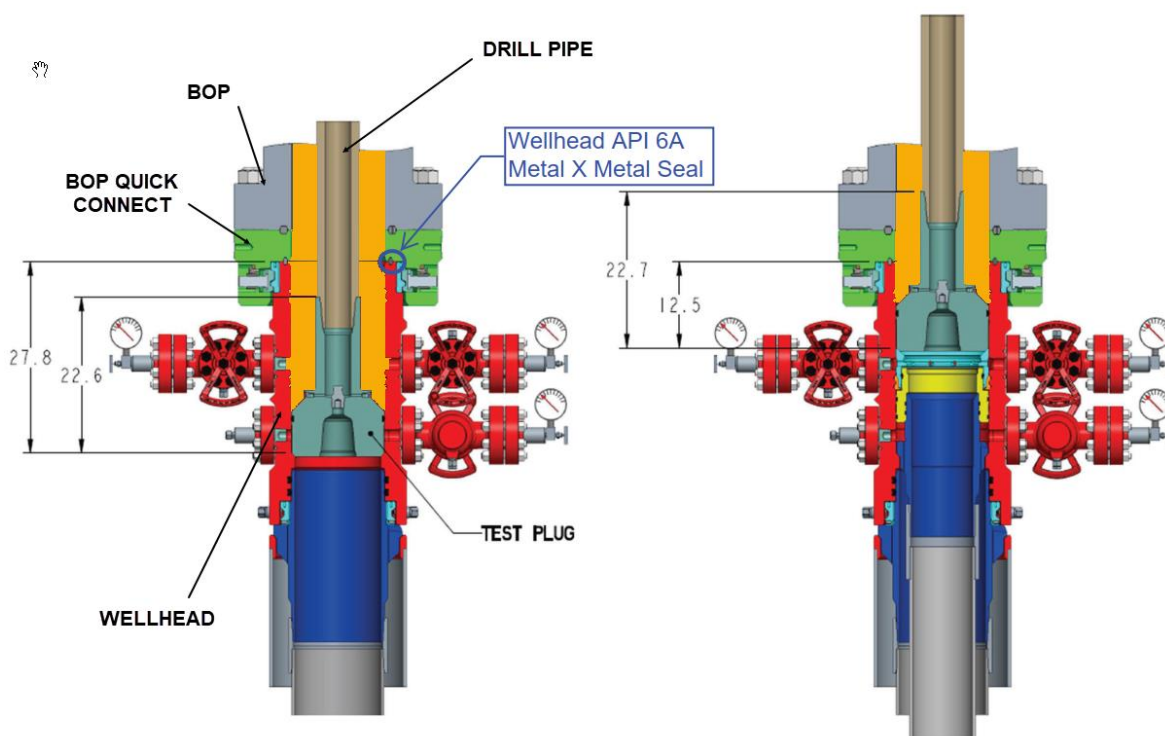


Figure 1: Test plug installed (The orange sections above indicate the areas exposed to the pressure test)

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.

ConocoPhillips Company - Zia Hills Unit 2032 WC 755H

1. Geologic Formations

TVD of target	11,738' EOL	Pilot hole depth	NA
MD at TD:	21,693'	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	1.31	5.53	5.72
8.75"	3940	11225	7.625"	29.7	P110-ICY	W513	1.26	1.57	3.20	1.92
6.75"	0	11025	5.5"	23	P110-CY	BTC	1.88	2.19	2.87	2.87
6.75"	11025	21,693	5.5"	23	P110-CY	W441	1.76	2.06	2.70	2.45
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 755H

	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 755H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ 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
	800	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	10,725'	20% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 2032 WC 755H

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. 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 755H

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 755H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8245 psi at 11738' 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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 394917

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 394917
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Cement is required to circulate on both surface and intermediate1 strings of casing.	6/16/2025
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	6/16/2025