

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-025-52540
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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

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

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

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

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

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 02/16/2024

Additional Operator Remarks

Location of Well

0. SHL: NWSW / 2615 FSL / 825 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0280173 / LONG: -103.7031012 (TVD: 0 feet, MD: 0 feet)
PPP: NWSW / 2620 FSL / 838 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0280313 / LONG: -103.7030591 (TVD: 11593 feet, MD: 11629 feet)
PPP: NWNW / 1 FNL / 838 FWL / TWSP: 26S / RANGE: 32E / SECTION: 29 / LAT: 32.020829 / LONG: -103.703064 (TVD: 11737 feet, MD: 14250 feet)
BHL: LOT 4 / 50 FSL / 838 FWL / TWSP: 26S / RANGE: 32E / SECTION: 32 / LAT: 32.0003538 / LONG: -103.7030361 (TVD: 11737 feet, MD: 21595 feet)

BLM Point of Contact

Name: JANET D ESTES
Title: ADJUDICATOR
Phone: (575) 234-6233
Email: JESTES@BLM.GOV

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-52540		2 Pool Code 98081	3 Pool Name Zia Hills; Wolfcamp	
4 Property Code 334843	5 Property Name ZIA HILLS UNIT 2032 WC			6 Well Number 753H
7 OGRID No. 217817	8 Operator Name CONOCOPHILLIPS COMPANY			9 Elevation 3174.95'

¹⁰ Surface Location

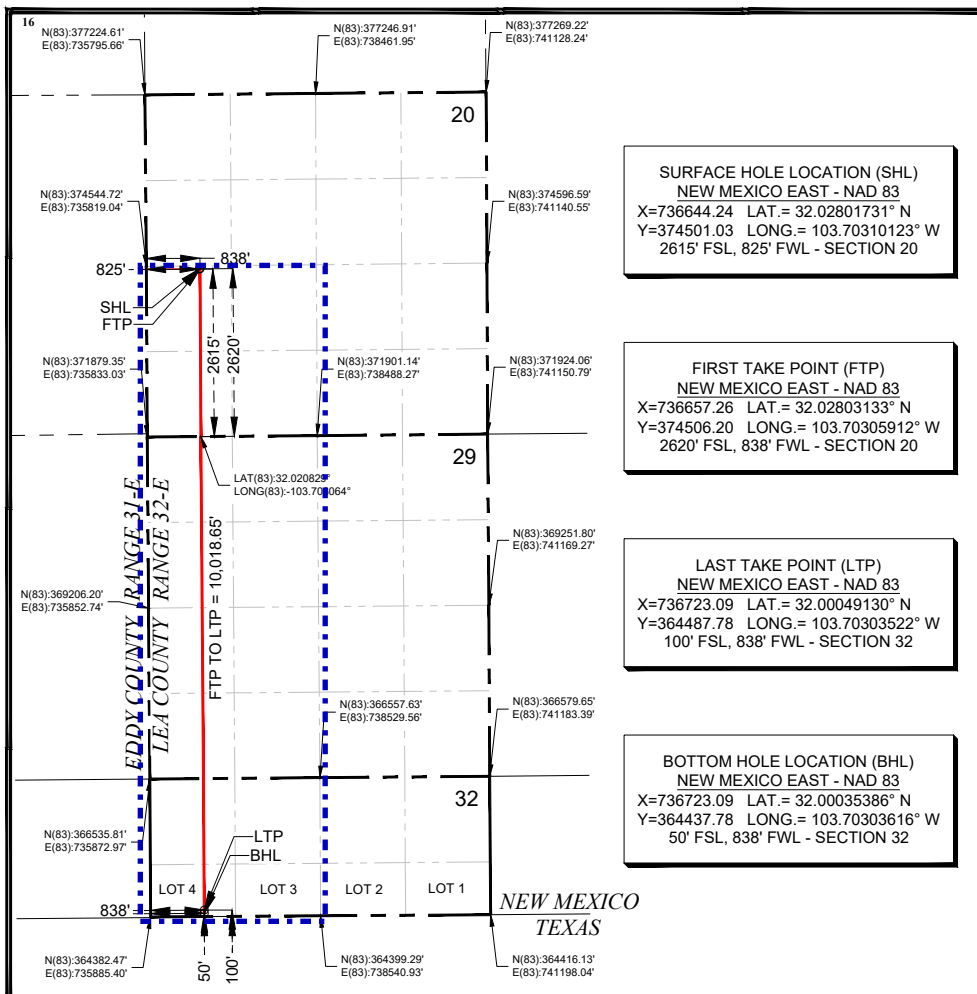
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	26-S	32-E		2615'	SOUTH	825'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	32	26-S	32-E		50'	SOUTH	838'	WEST	LEA

12 Dedicated Acres 609.10	13 Joint or Infill	14 Consolidation Code Unit	15 Order No. R-20080
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Stan Wagon Date 2/28/23

Stan Wagner
Printed Name

E-mail Address	
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¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

02/24/2023

Signature and Seal of Professional Surveyor:

25490

Certificate Number

Certificate Number

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description Effective May 25, 2021

I. Operator: ConocoPhillips Company

OGRID: 217817

Date: 02/21/2023

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Zia Hills Unit 2032 WC 751H	30-025-	L-20-26S-32E	2649 FSL & 775 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 752H	30-025-	L-20-26S-32E	2632 FSL & 800 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 753H	30-025-	L-20-26S-32E	2615 FSL & 825 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 754H	30-025-	L-20-26S-32E	2598 FSL & 850 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 755H	30-025-	L-20-26S-32E	2581 FSL & 875 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 756H	30-025-	L-20-26S-32E	2564 FSL & 900 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 757H	30-025-	L-20-26S-32E	2547 FSL & 925 FWL	± 2245	± 6736	± 5165

IV. Central Delivery Point Name: Zia Hills Unit 2032 WC Facility SWNW 20-26S-32E [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Zia Hills Unit 2032 WC 751H-757H	Pending	± 4/1/2024	± 25 days from spud	TBD	TBD	TBD

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

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

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

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature:
Printed Name: Stan Wagner
Title: Regulatory Advisor
E-mail Address: stan.s.wagner@conocophillips.com
Date: 02/21/2023
Phone: 432-253-9685
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

ConocoPhillips Company - Zia Hills Unit 2032 WC 753H

1. Geologic Formations

TVD of target	11,737' EOL	Pilot hole depth	NA
MD at TD:	21,595'	Deepest expected fresh water:	314'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1268	Water	
Top of Salt	1561	Salt	
Base of Salt	4094	Salt	
Lamar	4309	Salt Water	
Bell Canyon	4345	Salt Water	
Cherry Canyon	5231	Oil/Gas	
Brushy Canyon	6718	Oil/Gas	
Bone Spring Shale	8319	Oil/Gas	
1st Bone Spring Sand	9303	Oil/Gas	
2nd Bone Spring Sand	9984	Oil/Gas	
3rd Bone Spring Sand	11133	Oil/Gas	
Wolfcamp	11548	Target	
Wolfcamp A	11755	Not Penetrated	
Wolfcamp B	12059	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								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.11	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.45	1.13	2.88	2.90
8.750"	8500	11132	7.625"	29.7	P110-ICY	W513	1.38	1.71	3.23	1.94
6.75"	0	10632	5.5"	23	P110-CY	BTC	2.10	2.48	2.98	2.98
6.75"	10632	21,595	5.5"	23	P110-CY	W441	1.91	2.25	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 Onshore Oil and Gas Order #2 III.B.1.h

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 753H

	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 753H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	12.8	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
Inter. Stage 1	810	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	667	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	923	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

If losses are encountered in the intermediate section a DV/ECP tool will be run ~50' above the Lamar Lime top, cement will be adjusted accordingly if this contingency is necessary.

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%
Production	10,632'	35% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 2032 WC 753H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
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BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
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 Onshore Order 2 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 Onshore Oil and Gas Order #2 III.B.1.i.
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 Onshore Order #2 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 753H

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	7-5/8" Int shoe	Brine Diesel Emulsion	8.4 - 9.2	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 12.5	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
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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 753H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7630 psi at 11737' 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 Onshore Oil and Gas Order #6. 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

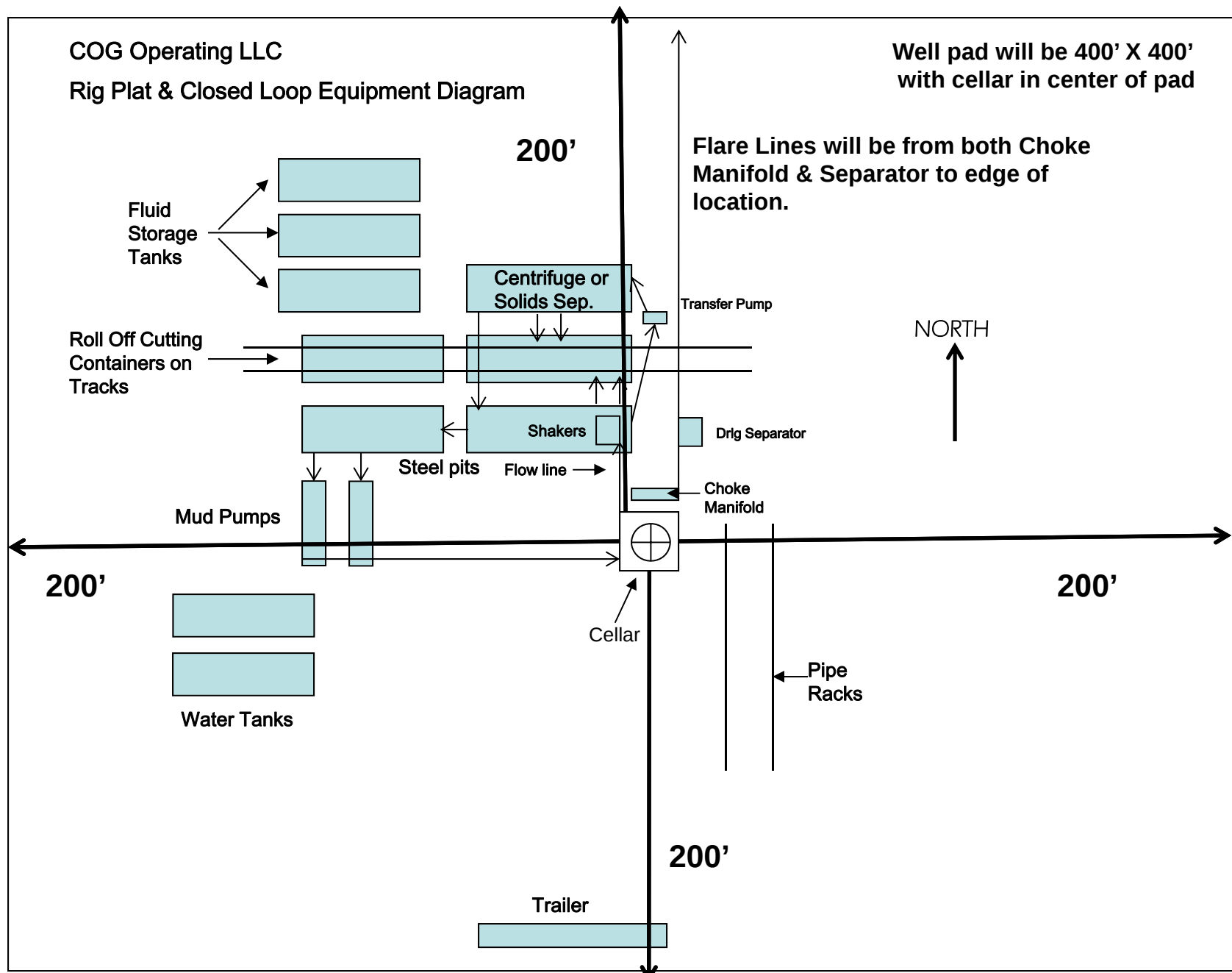


Exhibit 1

"I further certify that COG will comply with Rule 19.15.17 NMAC by using a Closed Loop System."

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #753H

OWB

PWP0

Anticollision Report

25 January, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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	11,259.5	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
11,259.5	21,595.5	PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
CONOCO A FEDERAL #2 - OWB - AWP						Out of range
CONOCO FEDERAL #1 - OWB - AWP						Out of range
RUSSELL FEDERAL #10 - OWB - AWP						Out of range
RUSSELL FEDERAL #12 - OWB - AWP	2,552.1	2,555.8	500.4	418.7	6.128	CC
RUSSELL FEDERAL #12 - OWB - AWP	4,300.0	4,304.1	500.8	339.2	3.099	ES, SF
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	3,977.9	3,989.5	876.2	734.3	6.175	CC
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	4,400.0	4,378.0	877.8	708.0	5.170	ES, SF
ZIA HILLS UNIT 1932 PROJECT						
*ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0						Out of range
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0						Out of range
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	2,136.6	2,139.8	197.6	185.6	16.432	CC, ES
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	2,400.0	2,397.5	205.0	192.2	15.985	SF
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	2,378.7	2,385.1	170.6	157.9	13.429	CC
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	2,400.0	2,406.1	170.6	157.9	13.371	ES
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	11,259.5	11,296.2	412.7	377.8	11.841	SF
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	11,259.5	11,263.0	110.4	80.3	3.672	CC, ES, SF
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	1,500.0	1,499.0	202.9	192.6	19.715	CC, ES
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	11,259.5	11,272.9	462.5	428.7	13.690	SF
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,500.0	1,500.0	209.4	199.2	20.516	CC, ES
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,800.0	1,782.1	221.8	210.9	20.355	SF
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	1,500.0	1,500.0	220.0	209.9	21.713	CC, ES
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	1,800.0	1,780.2	233.0	222.1	21.478	SF
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,500.0	1,500.0	233.9	223.8	23.216	CC, ES
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,800.0	1,778.4	247.2	236.4	22.876	SF
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	1,500.0	1,498.0	60.2	50.1	5.936	CC, ES
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,595.5	21,026.0	848.3	692.6	5.448	SF
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	1,500.0	1,499.0	30.2	20.0	2.973	CC, ES
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	21,595.5	21,409.6	458.7	302.7	2.940	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,500.0	1,500.0	30.1	19.9	2.966	CC, ES
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,595.5	21,829.5	459.1	301.2	2.909	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	1,500.0	1,500.0	60.4	50.2	5.951	CC, ES

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 #753H
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 #753H	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 #755H - OWB - PWP0	21,595.5	21,692.7	847.7	689.4	5.355	SF
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	1,466.3	1,467.3	90.6	80.5	8.984	CC
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	1,500.0	1,500.0	90.6	80.5	8.930	ES, SF
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,466.3	1,467.3	120.8	110.7	11.980	CC
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,500.0	1,500.0	120.8	110.7	11.906	ES, SF

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
CONOCO A FEDERAL #2 - OWB - AWP	21,595.5	4,317.0				Out of Range @TD
CONOCO FEDERAL #1 - OWB - AWP	21,595.5	4,327.0				Out of Range @TD
RUSSELL FEDERAL #10 - OWB - AWP	21,595.5	4,500.0				Out of Range @TD
RUSSELL FEDERAL #12 - OWB - AWP	21,595.5	4,335.0				Out of Range @TD
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	21,595.5	4,378.0				Out of Range @TD
ZIA HILLS UNIT 1932 PROJECT						
*ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0	21,595.5	11,400.0				Out of Range @TD
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	21,595.5	20,763.1				Out of Range @TD
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	21,595.5	11,375.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	21,595.5	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	21,595.5	11,275.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	21,595.5	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	21,595.5	11,325.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	21,595.5	11,575.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	21,595.5	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,595.5	21,026.0	848.3	692.6	5.448	SF
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	21,595.5	21,409.6	458.7	302.7	2.940	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,595.5	21,829.5	459.1	301.2	2.909	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	21,595.5	21,692.7	847.7	689.4	5.355	SF
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	21,595.5	21,894.1				Out of Range @TD
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	21,595.5	21,747.2				Out of Range @TD

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 #753H
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 #753H	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		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	3.1	3.1	3.0	3.0	-99.08	-79.0	-494.5	500.8	493.9	6.89	72.661		
100.0	100.0	103.1	103.1	3.1	3.1	-99.08	-79.0	-494.5	500.8	493.7	7.15	70.060		
200.0	200.0	203.1	203.1	3.2	3.5	-99.08	-79.0	-494.5	500.8	493.2	7.63	65.657		
300.0	300.0	303.1	303.1	3.4	4.1	-99.08	-79.0	-494.5	500.8	492.5	8.33	60.095		
400.0	400.0	403.1	403.1	3.5	5.5	-99.08	-79.0	-494.5	500.8	490.8	9.99	50.143		
441.5	441.5	444.6	444.6	3.5	6.1	-99.06	-78.8	-494.5	500.8	490.0	10.78	46.452		
500.0	500.0	503.0	503.0	3.6	7.0	-99.06	-78.9	-494.5	500.8	488.8	11.97	41.833		
600.0	600.0	603.1	603.1	3.7	8.7	-99.08	-79.0	-494.5	500.8	486.7	14.16	35.379		
700.0	700.0	703.1	703.1	3.9	10.5	-99.08	-79.0	-494.5	500.8	484.2	16.59	30.182		
734.1	734.1	737.2	737.1	3.9	11.2	-99.04	-78.7	-494.5	500.8	483.3	17.44	28.712		
800.0	800.0	802.9	802.9	4.0	12.4	-99.05	-78.8	-494.5	500.8	481.7	19.10	26.219		
900.0	900.0	903.1	903.1	4.1	14.3	-99.08	-79.0	-494.5	500.8	479.1	21.74	23.040		
1,000.0	1,000.0	1,003.1	1,003.1	4.2	16.4	-99.08	-79.0	-494.5	500.8	476.2	24.60	20.361		
1,031.4	1,031.4	1,034.5	1,034.4	4.3	17.1	-99.01	-78.4	-494.5	500.7	475.2	25.50	19.638		
1,100.0	1,100.0	1,102.7	1,102.7	4.3	18.5	-99.03	-78.6	-494.5	500.8	473.3	27.47	18.228		
1,200.0	1,200.0	1,203.2	1,203.1	4.5	20.7	-99.08	-79.0	-494.5	500.8	470.5	30.33	16.512		
1,300.0	1,300.0	1,303.2	1,303.1	4.6	22.9	-99.08	-79.0	-494.5	500.8	467.4	33.42	14.986		
1,400.0	1,400.0	1,403.2	1,403.1	4.7	25.2	-99.08	-79.0	-494.5	500.8	464.3	36.52	13.715		
1,439.6	1,439.6	1,442.7	1,442.6	4.7	26.1	-98.93	-77.7	-494.5	500.6	462.9	37.74	13.263		
1,500.0	1,500.0	1,502.9	1,502.8	4.8	27.4	-98.94	-77.8	-494.5	500.6	461.0	39.62	12.637		
1,600.0	1,600.0	1,602.6	1,602.5	5.0	29.7	-99.01	-78.5	-494.5	500.7	458.2	42.54	11.772		
1,700.0	1,700.0	1,703.3	1,703.1	5.1	32.1	-99.08	-79.0	-494.5	500.8	454.9	45.96	10.898		
1,765.4	1,765.4	1,768.6	1,768.4	5.2	33.9	-99.01	-78.4	-494.5	500.7	452.3	48.41	10.344		
1,800.0	1,800.0	1,803.0	1,802.8	5.3	34.8	-99.02	-78.5	-494.5	500.7	451.0	49.70	10.076		
1,900.0	1,900.0	1,903.4	1,903.1	5.4	37.6	-99.08	-79.0	-494.5	500.8	447.2	53.60	9.343		
1,949.0	1,949.0	1,952.4	1,952.1	5.5	39.1	-98.98	-78.1	-494.5	500.7	445.0	55.66	8.996		
2,000.0	2,000.0	2,002.4	2,002.1	5.6	40.6	-99.02	-78.5	-494.5	500.7	443.0	57.75	8.670		
2,100.0	2,100.0	2,103.5	2,103.1	5.7	43.7	-99.08	-79.0	-494.5	500.8	438.8	62.06	8.070		
2,172.2	2,172.2	2,175.7	2,175.2	5.8	45.9	-98.94	-77.8	-494.5	500.6	435.5	65.15	7.684		
2,200.0	2,200.0	2,203.3	2,202.8	5.8	46.8	-98.94	-77.8	-494.5	500.6	434.3	66.34	7.547		
2,300.0	2,300.0	2,302.4	2,301.9	6.0	49.8	-99.05	-78.8	-494.5	500.8	430.2	70.59	7.094		
2,400.0	2,400.0	2,403.8	2,403.1	6.1	53.0	-99.08	-79.0	-494.5	500.8	425.8	75.01	6.677		
2,500.0	2,500.0	2,503.8	2,503.1	6.2	56.1	-99.08	-79.0	-494.5	500.8	421.4	79.39	6.309		
2,552.1	2,552.1	2,555.8	2,555.1	6.3	57.8	-98.78	-76.4	-494.5	500.4	418.7	81.67	6.128 CC		
2,600.0	2,600.0	2,603.5	2,602.7	6.3	59.3	-98.80	-76.5	-494.5	500.4	416.7	83.75	5.975		
2,700.0	2,700.0	2,702.9	2,702.1	6.5	62.4	-98.90	-77.4	-494.5	500.6	412.5	88.11	5.681		
2,800.0	2,800.0	2,804.1	2,803.1	6.6	65.6	-99.08	-79.0	-494.5	500.8	408.3	92.55	5.412		
2,900.0	2,900.0	2,904.1	2,903.1	6.7	68.8	-99.08	-79.0	-494.5	500.8	403.8	96.98	5.164		
2,953.0	2,953.0	2,957.2	2,956.1	6.8	70.4	-98.92	-77.6	-494.5	500.6	401.3	99.33	5.040		
3,000.0	3,000.0	3,003.8	3,002.7	6.8	71.9	-98.93	-77.7	-494.5	500.6	399.2	101.39	4.937		
3,100.0	3,100.0	3,103.0	3,101.9	7.0	75.1	-99.05	-78.7	-494.5	500.8	395.0	105.79	4.734		
3,200.0	3,200.0	3,204.4	3,203.1	7.1	78.6	-99.08	-79.0	-494.5	500.8	390.1	110.70	4.524		
3,244.3	3,244.3	3,248.6	3,247.3	7.1	80.2	-98.92	-77.6	-494.5	500.6	387.7	112.87	4.435		
3,300.0	3,300.0	3,303.7	3,302.3	7.2	82.1	-98.95	-77.9	-494.5	500.6	385.1	115.59	4.331		
3,400.0	3,400.0	3,404.7	3,403.1	7.3	85.6	-99.08	-79.0	-494.5	500.8	380.3	120.52	4.156		
3,500.0	3,500.0	3,504.7	3,503.1	7.4	89.1	-99.08	-79.0	-494.5	500.8	375.5	125.31	3.996		
3,549.0	3,549.0	3,553.6	3,552.0	7.5	90.8	-98.84	-76.9	-494.5	500.5	372.8	127.66	3.920		
3,600.0	3,600.0	3,604.1	3,602.5	7.5	92.5	-98.86	-77.1	-494.5	500.5	370.4	130.09	3.848		
3,700.0	3,700.0	3,703.3	3,701.6	7.7	95.9	-99.02	-78.5	-494.5	500.7	365.9	134.84	3.713		
3,800.0	3,800.0	3,805.0	3,803.1	7.8	99.2	-99.08	-79.0	-494.5	500.8	361.3	139.48	3.591		
3,900.0	3,900.0	3,905.0	3,903.1	7.9	102.5	-99.08	-79.0	-494.5	500.8	356.8	143.98	3.478		
3,936.8	3,936.8	3,941.6	3,939.7	7.9	103.6	-98.87	-77.2	-494.5	500.5	354.9	145.62	3.437		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: 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	
4,000.0	4,000.0	4,004.4	4,002.4	8.0	105.7	-98.91	-77.5	-494.5	500.6	352.1	148.44	3.372		
4,100.0	4,100.0	4,103.7	4,101.7	8.1	108.9	-99.07	-78.9	-494.5	500.8	347.9	152.90	3.275		
4,200.0	4,200.0	4,205.3	4,203.1	8.2	112.0	-99.08	-79.0	-494.5	500.8	343.5	157.31	3.184		
4,221.0	4,221.0	4,226.2	4,224.0	8.2	112.7	-98.96	-78.0	-494.5	500.7	342.4	158.22	3.164		
4,300.0	4,300.0	4,304.1	4,301.9	8.3	115.1	-99.04	-78.7	-494.5	500.8	339.2	161.60	3.099 ES, SF		
4,400.0	4,400.0	4,335.0	4,332.7	8.4	116.0	-99.08	-79.0	-494.5	505.7	344.4	161.37	3.134		
4,500.0	4,500.0	4,335.0	4,332.7	8.6	116.0	-99.08	-79.0	-494.5	529.0	374.6	154.43	3.426		
4,600.0	4,600.0	4,335.0	4,332.7	8.7	116.0	-99.08	-79.0	-494.5	569.2	425.4	143.80	3.958		
4,700.0	4,700.0	4,335.0	4,332.7	8.8	116.0	-99.08	-79.0	-494.5	622.9	491.2	131.74	4.729		
4,800.0	4,800.0	4,335.0	4,332.7	8.9	116.0	-99.08	-79.0	-494.5	687.1	567.3	119.84	5.734		
4,900.0	4,900.0	4,335.0	4,332.7	9.0	116.0	-99.08	-79.0	-494.5	759.1	650.2	108.93	6.968		
5,000.0	5,000.0	4,335.0	4,332.7	9.1	116.0	-99.08	-79.0	-494.5	836.8	737.5	99.30	8.428		
5,100.0	5,100.0	4,335.0	4,332.7	9.2	116.0	-99.08	-79.0	-494.5	918.9	828.0	90.94	10.104		

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 #753H
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 #753H	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		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	107.73	-267.1	835.4	877.1	870.1	6.98	125.615	
100.0	100.0	110.0	110.0	3.1	3.2	107.73	-267.1	835.4	877.1	870.0	7.11	123.321	
200.0	200.0	210.0	210.0	3.2	3.6	107.73	-267.1	835.4	877.1	869.5	7.64	114.837	
300.0	300.0	310.0	310.0	3.4	4.1	107.73	-267.1	835.4	877.1	868.7	8.35	105.015	
400.0	400.0	410.0	410.0	3.5	4.8	107.73	-267.1	835.4	877.1	867.9	9.21	95.267	
500.0	500.0	510.0	510.0	3.6	5.7	107.73	-267.1	835.4	877.1	866.8	10.26	85.484	
600.0	600.0	610.0	610.0	3.7	7.4	107.73	-267.1	835.4	877.1	864.7	12.38	70.843	
700.0	700.0	710.0	710.0	3.9	9.1	107.73	-267.1	835.4	877.1	862.4	14.69	59.718	
741.4	741.4	751.4	751.4	3.9	9.9	107.69	-266.5	835.4	876.9	861.3	15.68	55.943	
800.0	800.0	809.7	809.7	4.0	10.9	107.70	-266.6	835.4	876.9	859.8	17.09	51.300	
900.0	900.0	909.3	909.3	4.1	12.8	107.71	-266.7	835.4	877.0	857.4	19.56	44.832	
1,000.0	1,000.0	1,010.0	1,010.0	4.2	14.7	107.73	-267.1	835.4	877.1	855.1	22.03	39.808	
1,100.0	1,100.0	1,110.0	1,110.0	4.3	16.8	107.73	-267.1	835.4	877.1	852.2	24.94	35.167	
1,200.0	1,200.0	1,210.0	1,210.0	4.5	18.9	107.73	-267.1	835.4	877.1	849.2	27.88	31.465	
1,241.4	1,241.4	1,251.4	1,251.4	4.5	19.8	107.68	-266.3	835.4	876.8	847.7	29.09	30.138	
1,300.0	1,300.0	1,309.6	1,309.6	4.6	21.1	107.68	-266.3	835.4	876.9	846.0	30.82	28.455	
1,400.0	1,400.0	1,408.9	1,408.9	4.7	23.2	107.70	-266.6	835.4	876.9	843.2	33.76	25.974	
1,500.0	1,500.0	1,510.1	1,510.0	4.8	25.4	107.73	-267.1	835.4	877.1	840.3	36.83	23.811	
1,600.0	1,600.0	1,610.1	1,610.0	5.0	28.0	107.73	-267.1	835.4	877.1	836.9	40.23	21.799	
1,635.3	1,635.3	1,645.5	1,645.3	5.0	28.9	107.67	-266.1	835.4	876.8	835.3	41.51	21.124	
1,700.0	1,700.0	1,708.6	1,708.5	5.1	30.6	107.68	-266.3	835.4	876.9	833.1	43.79	20.025	
1,800.0	1,800.0	1,810.3	1,810.0	5.3	33.2	107.73	-267.1	835.4	877.1	829.6	47.48	18.474	
1,900.0	1,900.0	1,910.3	1,910.0	5.4	35.9	107.73	-267.1	835.4	877.1	825.9	51.18	17.137	
1,995.0	1,995.0	2,005.2	2,004.9	5.6	38.4	107.61	-265.2	835.4	876.5	821.8	54.70	16.023	
2,000.0	2,000.0	2,010.2	2,009.9	5.6	38.6	107.61	-265.2	835.4	876.5	821.6	54.89	15.970	
2,100.0	2,100.0	2,108.1	2,107.8	5.7	41.2	107.64	-265.6	835.4	876.7	818.1	58.52	14.980	
2,200.0	2,200.0	2,206.1	2,205.8	5.8	43.8	107.71	-266.8	835.4	877.0	814.9	62.16	14.109	
2,300.0	2,300.0	2,310.5	2,310.0	6.0	46.4	107.73	-267.1	835.4	877.1	811.3	65.83	13.324	
2,339.5	2,339.5	2,350.0	2,349.5	6.0	47.4	107.68	-266.2	835.4	876.8	809.6	67.21	13.047	
2,400.0	2,400.0	2,408.9	2,408.4	6.1	48.9	107.69	-266.4	835.4	876.9	807.6	69.26	12.660	
2,500.0	2,500.0	2,510.6	2,510.0	6.2	51.5	107.73	-267.1	835.4	877.1	804.1	72.98	12.018	
2,579.5	2,579.5	2,590.1	2,589.5	6.3	53.8	107.68	-266.4	835.4	876.9	800.7	76.20	11.508	
2,600.0	2,600.0	2,609.9	2,609.4	6.3	54.4	107.68	-266.4	835.4	876.9	799.9	77.00	11.388	
2,700.0	2,700.0	2,710.7	2,710.0	6.5	57.4	107.73	-267.1	835.4	877.1	796.0	81.11	10.813	
2,791.3	2,791.3	2,801.8	2,801.1	6.6	60.2	107.66	-266.0	835.4	876.8	791.7	85.08	10.305	
2,800.0	2,800.0	2,810.1	2,809.4	6.6	60.5	107.66	-266.0	835.4	876.8	791.3	85.45	10.261	
2,900.0	2,900.0	2,910.9	2,910.0	6.7	63.6	107.73	-267.1	835.4	877.1	787.3	89.79	9.768	
3,000.0	3,000.0	3,010.9	3,010.0	6.8	66.4	107.73	-267.1	835.4	877.1	783.3	93.75	9.356	
3,100.0	3,100.0	3,110.9	3,110.0	7.0	69.3	107.73	-267.1	835.4	877.1	779.4	97.71	8.977	
3,141.3	3,141.3	3,152.2	3,151.3	7.0	70.5	107.59	-264.9	835.4	876.4	777.1	99.34	8.822	
3,200.0	3,200.0	3,209.8	3,208.9	7.1	72.1	107.60	-265.0	835.4	876.5	774.8	101.62	8.625	
3,300.0	3,300.0	3,308.0	3,307.1	7.2	74.9	107.65	-265.8	835.4	876.7	771.2	105.51	8.309	
3,400.0	3,400.0	3,411.1	3,410.0	7.3	77.9	107.73	-267.1	835.4	877.1	767.4	109.70	7.996	
3,500.0	3,500.0	3,511.1	3,510.0	7.4	81.4	107.73	-267.1	835.4	877.1	762.5	114.59	7.654	
3,586.2	3,586.2	3,597.4	3,596.2	7.5	84.4	107.63	-265.6	835.4	876.6	757.8	118.81	7.378	
3,600.0	3,600.0	3,610.8	3,609.7	7.5	84.9	107.63	-265.6	835.4	876.6	757.2	119.47	7.338	
3,700.0	3,700.0	3,708.9	3,707.7	7.7	88.3	107.66	-266.0	835.4	876.8	752.5	124.27	7.056	
3,800.0	3,800.0	3,811.6	3,810.0	7.8	92.2	107.73	-267.1	835.4	877.1	747.5	129.62	6.766	
3,900.0	3,900.0	3,911.6	3,910.0	7.9	97.1	107.73	-267.1	835.4	877.1	740.6	136.52	6.425	
3,977.9	3,977.9	3,989.5	3,987.8	8.0	101.0	107.54	-264.1	835.4	876.2	734.3	141.90	6.175 CC	
4,000.0	4,000.0	4,010.7	4,009.1	8.0	102.0	107.55	-264.1	835.4	876.2	732.8	143.36	6.112	
4,100.0	4,100.0	4,107.0	4,105.2	8.1	106.8	107.61	-265.2	835.4	876.5	726.5	150.00	5.844	

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 #753H
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 #753H	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:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,200.0	4,200.0	4,212.6	4,210.0	8.2	112.2	107.73	-267.1	835.4	877.1	719.6	157.46	5.570		
4,266.7	4,266.7	4,279.3	4,276.6	8.3	115.8	107.61	-265.1	835.4	876.5	714.0	162.48	5.394		
4,300.0	4,300.0	4,309.2	4,306.5	8.3	117.4	107.62	-265.3	835.4	876.6	711.8	164.74	5.321		
4,400.0	4,400.0	4,378.0	4,374.8	8.4	121.1	107.73	-267.1	835.4	877.8	708.0	169.78	5.170 ES, SF		
4,500.0	4,500.0	4,378.0	4,374.8	8.6	121.1	107.73	-267.1	835.4	887.4	719.5	167.98	5.283		
4,600.0	4,600.0	4,378.0	4,374.8	8.7	121.1	107.73	-267.1	835.4	908.1	743.8	164.26	5.528		
4,700.0	4,700.0	4,378.0	4,374.8	8.8	121.1	107.73	-267.1	835.4	938.9	780.0	158.98	5.906		
4,800.0	4,800.0	4,378.0	4,374.8	8.9	121.1	107.73	-267.1	835.4	979.1	826.5	152.61	6.416		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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	16.74	201.0	60.5	209.9	202.9	6.98	30.072	
100.0	100.0	98.0	98.0	3.1	3.1	16.74	201.0	60.5	209.9	202.7	7.22	29.060	
200.0	200.0	198.0	198.0	3.2	3.2	16.74	201.0	60.5	209.9	202.4	7.47	28.101	
300.0	300.0	298.0	298.0	3.4	3.4	16.74	201.0	60.5	209.9	202.2	7.71	27.217	
400.0	400.0	398.0	398.0	3.5	3.5	16.74	201.0	60.5	209.9	202.0	7.95	26.394	
500.0	500.0	498.0	498.0	3.6	3.6	16.74	201.0	60.5	209.9	201.7	8.19	25.625	
600.0	600.0	598.0	598.0	3.7	3.7	16.74	201.0	60.5	209.9	201.5	8.43	24.905	
700.0	700.0	698.0	698.0	3.9	3.9	16.74	201.0	60.5	209.9	201.3	8.66	24.229	
800.0	800.0	798.0	798.0	4.0	4.0	16.74	201.0	60.5	209.9	201.0	8.90	23.591	
900.0	900.0	898.0	898.0	4.1	4.1	16.74	201.0	60.5	209.9	200.8	9.13	22.990	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	16.74	201.0	60.5	209.9	200.6	9.36	22.421	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	16.74	201.0	60.5	209.9	200.3	9.59	21.883	
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	16.74	201.0	60.5	209.9	200.1	9.82	21.371	
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	16.74	201.0	60.5	209.9	199.9	10.05	20.885	
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	16.74	201.0	60.5	209.9	199.6	10.28	20.422	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	16.74	201.0	60.5	209.9	199.4	10.51	19.981	
1,600.0	1,600.0	1,600.4	1,600.4	5.0	4.9	16.29	200.9	58.7	209.3	198.9	10.46	20.017	
1,700.0	1,700.0	1,702.7	1,702.5	5.1	5.1	14.88	200.6	53.3	207.7	196.9	10.77	19.284	
1,800.0	1,800.0	1,804.4	1,803.8	5.3	5.3	12.49	200.2	44.3	205.1	194.0	11.07	18.527	
1,900.0	1,900.0	1,905.4	1,904.0	5.4	5.6	9.07	199.5	31.9	202.1	190.8	11.36	17.788	
2,000.0	2,000.0	2,005.3	2,002.7	5.6	5.9	4.62	198.7	16.1	199.4	187.8	11.65	17.121	
2,100.0	2,100.0	2,104.0	2,099.6	5.7	6.3	-0.84	197.7	-2.9	197.7	185.8	11.92	16.584	
2,136.6	2,136.6	2,139.8	2,134.6	5.7	6.4	-3.00	197.3	-10.3	197.6	185.6	12.02	16.432 CC, ES	
2,200.0	2,200.0	2,201.9	2,195.3	5.8	6.6	-6.73	196.6	-23.2	198.0	185.8	12.20	16.227	
2,300.0	2,300.0	2,299.7	2,290.9	6.0	6.9	-12.54	195.6	-43.5	200.5	188.0	12.50	16.037	
2,400.0	2,400.0	2,397.5	2,386.6	6.1	7.2	-18.17	194.5	-63.8	205.0	192.2	12.83	15.985 SF	
2,500.0	2,500.0	2,495.3	2,482.3	6.2	7.5	-23.51	193.4	-84.1	211.5	198.3	13.19	16.041	
2,600.0	2,600.0	2,593.1	2,578.0	6.3	7.9	-28.50	192.4	-104.4	219.8	206.2	13.59	16.178	
2,700.0	2,700.0	2,690.9	2,673.6	6.5	8.2	-33.11	191.3	-124.8	229.7	215.7	14.03	16.373	
2,800.0	2,800.0	2,788.8	2,769.3	6.6	8.6	-37.32	190.2	-145.1	241.0	226.4	14.51	16.609	
2,900.0	2,900.0	2,886.6	2,865.0	6.7	9.0	-41.16	189.2	-165.4	253.4	238.4	15.02	16.874	
3,000.0	3,000.0	2,984.4	2,960.7	6.8	9.3	-44.63	188.1	-185.7	266.9	251.4	15.56	17.157	
3,100.0	3,100.0	3,082.2	3,056.4	7.0	9.7	-47.76	187.1	-206.0	281.3	265.2	16.12	17.451	
3,200.0	3,200.0	3,180.0	3,152.0	7.1	10.1	-50.58	186.0	-226.3	296.5	279.8	16.70	17.751	
3,300.0	3,300.0	3,277.8	3,247.7	7.2	10.5	-53.13	184.9	-246.6	312.3	295.0	17.30	18.053	
3,400.0	3,400.0	3,375.6	3,343.4	7.3	10.9	-55.44	183.9	-266.9	328.7	310.8	17.91	18.354	
3,500.0	3,500.0	3,473.5	3,439.1	7.4	11.4	-57.53	182.8	-287.2	345.5	327.0	18.53	18.651	
3,600.0	3,600.0	3,571.3	3,534.7	7.5	11.8	-59.42	181.7	-307.5	362.8	343.6	19.15	18.943	
3,700.0	3,700.0	3,669.1	3,630.4	7.7	12.2	-61.14	180.7	-327.8	380.4	360.6	19.78	19.229	
3,800.0	3,800.0	3,766.9	3,726.1	7.8	12.6	-62.71	179.6	-348.1	398.3	377.9	20.42	19.507	
3,900.0	3,900.0	3,864.7	3,821.8	7.9	13.0	-64.15	178.5	-368.5	416.5	395.4	21.06	19.778	
4,000.0	4,000.0	3,962.5	3,917.5	8.0	13.5	-65.46	177.5	-388.8	434.9	413.2	21.70	20.040	
4,100.0	4,100.0	4,060.3	4,013.1	8.1	13.9	-66.67	176.4	-409.1	453.5	431.2	22.35	20.295	
4,200.0	4,200.0	4,158.2	4,108.8	8.2	14.3	-67.79	175.3	-429.4	472.3	449.3	22.99	20.540	
4,300.0	4,300.0	4,256.0	4,204.5	8.3	14.8	-68.82	174.3	-449.7	491.3	467.6	23.64	20.778	
4,400.0	4,400.0	4,353.8	4,300.2	8.4	15.2	-69.77	173.2	-470.0	510.4	486.1	24.30	21.007	
4,500.0	4,500.0	4,451.6	4,395.8	8.6	15.7	-70.65	172.2	-490.3	529.6	504.7	24.95	21.228	
4,600.0	4,600.0	4,549.4	4,491.5	8.7	16.1	-71.48	171.1	-510.6	548.9	523.3	25.60	21.442	
4,700.0	4,700.0	4,647.2	4,587.2	8.8	16.5	-72.24	170.0	-530.9	568.4	542.1	26.26	21.647	
4,800.0	4,800.0	4,745.0	4,682.9	8.9	17.0	-72.96	169.0	-551.2	587.9	561.0	26.91	21.845	
4,900.0	4,900.0	4,842.9	4,778.5	9.0	17.4	-73.63	167.9	-571.5	607.6	580.0	27.57	22.037	
5,000.0	5,000.0	4,940.7	4,874.2	9.1	17.9	-74.26	166.8	-591.9	627.3	599.0	28.23	22.221	

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 #753H
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 #753H	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:								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	5,100.0	5,038.5	4,969.9	9.2	18.3	-74.85	165.8	-612.2	647.0	618.1	28.89	22.399	
5,200.0	5,200.0	5,136.3	5,065.6	9.3	18.8	-75.40	164.7	-632.5	666.8	637.3	29.55	22.570	
5,300.0	5,300.0	5,234.1	5,161.3	9.4	19.2	-75.93	163.6	-652.8	686.7	656.5	30.21	22.735	
5,400.0	5,400.0	5,331.9	5,256.9	9.5	19.7	-76.42	162.6	-673.1	706.7	675.8	30.86	22.899	
5,500.0	5,500.0	5,437.9	5,360.7	9.6	20.1	-76.92	161.4	-694.7	726.3	694.8	31.55	23.019	
5,600.0	5,600.0	5,550.0	5,470.8	9.7	20.6	-77.37	160.3	-715.6	744.3	712.0	32.28	23.057	
5,700.0	5,700.0	5,662.9	5,582.1	9.8	21.1	-77.76	159.4	-734.5	760.5	727.5	32.99	23.055	
5,800.0	5,800.0	5,776.5	5,694.5	9.9	21.6	-78.09	158.5	-751.3	774.8	741.1	33.66	23.016	
5,900.0	5,900.0	5,890.8	5,807.8	10.0	22.1	-78.37	157.7	-765.9	787.2	752.9	34.31	22.943	
6,000.0	6,000.0	6,005.6	5,921.9	10.1	22.6	-78.59	157.1	-778.4	797.7	762.8	34.93	22.840	
6,100.0	6,100.0	6,120.8	6,036.7	10.2	23.0	-78.77	156.5	-788.6	806.3	770.8	35.50	22.711	
6,200.0	6,200.0	6,236.4	6,152.0	10.3	23.4	-78.91	156.1	-796.5	812.9	776.9	36.03	22.560	
6,300.0	6,300.0	6,352.3	6,267.7	10.4	23.8	-79.01	155.8	-802.0	817.6	781.1	36.51	22.392	
6,400.0	6,400.0	6,468.4	6,383.8	10.5	24.1	-79.06	155.6	-805.3	820.3	783.4	36.92	22.218	
6,500.0	6,500.0	6,582.6	6,498.0	10.6	24.3	-79.08	155.6	-806.2	821.1	784.0	37.13	22.116	
6,600.0	6,600.0	6,682.6	6,598.0	10.7	24.4	-79.08	155.6	-806.2	821.1	783.9	37.22	22.062	
6,700.0	6,700.0	6,782.6	6,698.0	10.8	24.4	-79.08	155.6	-806.2	821.1	783.8	37.31	22.006	
6,800.0	6,800.0	6,882.6	6,798.0	10.9	24.4	-79.08	155.6	-806.2	821.1	783.7	37.41	21.949	
6,900.0	6,900.0	6,982.6	6,898.0	11.0	24.4	-79.08	155.6	-806.2	821.1	783.6	37.51	21.893	
7,000.0	7,000.0	7,082.6	6,998.0	11.1	24.5	-79.08	155.6	-806.2	821.1	783.5	37.60	21.836	
7,100.0	7,100.0	7,182.6	7,098.0	11.2	24.5	-79.08	155.6	-806.2	821.1	783.4	37.70	21.780	
7,200.0	7,200.0	7,282.6	7,198.0	11.3	24.5	-79.08	155.6	-806.2	821.1	783.3	37.80	21.723	
7,300.0	7,300.0	7,382.6	7,298.0	11.4	24.6	-79.08	155.6	-806.2	821.1	783.2	37.90	21.667	
7,400.0	7,400.0	7,482.6	7,398.0	11.5	24.6	-79.08	155.6	-806.2	821.1	783.1	37.99	21.610	
7,500.0	7,500.0	7,582.6	7,498.0	11.6	24.6	-79.08	155.6	-806.2	821.1	783.0	38.09	21.554	
7,600.0	7,600.0	7,682.6	7,598.0	11.7	24.7	-79.08	155.6	-806.2	821.1	782.9	38.19	21.498	
7,700.0	7,700.0	7,782.6	7,698.0	11.8	24.7	-79.08	155.6	-806.2	821.1	782.8	38.29	21.442	
7,800.0	7,800.0	7,882.6	7,798.0	11.9	24.7	-79.08	155.6	-806.2	821.1	782.7	38.39	21.386	
7,900.0	7,900.0	7,982.6	7,898.0	12.0	24.8	-79.08	155.6	-806.2	821.1	782.6	38.50	21.329	
8,000.0	8,000.0	8,082.6	7,998.0	12.1	24.8	-79.08	155.6	-806.2	821.1	782.5	38.60	21.273	
8,100.0	8,100.0	8,182.6	8,098.0	12.2	24.8	-79.08	155.6	-806.2	821.1	782.4	38.70	21.218	
8,200.0	8,200.0	8,282.6	8,198.0	12.3	24.9	-79.08	155.6	-806.2	821.1	782.3	38.80	21.162	
8,300.0	8,300.0	8,382.6	8,298.0	12.4	24.9	-79.08	155.6	-806.2	821.1	782.2	38.90	21.106	
8,400.0	8,400.0	8,482.6	8,398.0	12.5	24.9	-79.08	155.6	-806.2	821.1	782.1	39.01	21.050	
8,500.0	8,500.0	8,582.6	8,498.0	12.6	25.0	-79.08	155.6	-806.2	821.1	782.0	39.11	20.994	
8,600.0	8,600.0	8,682.6	8,598.0	12.7	25.0	-79.08	155.6	-806.2	821.1	781.9	39.21	20.939	
8,700.0	8,700.0	8,782.6	8,698.0	12.8	25.0	-79.08	155.6	-806.2	821.1	781.8	39.32	20.883	
8,800.0	8,800.0	8,882.6	8,798.0	12.9	25.1	-79.08	155.6	-806.2	821.1	781.7	39.42	20.828	
8,900.0	8,900.0	8,982.6	8,898.0	13.0	25.1	-79.08	155.6	-806.2	821.1	781.6	39.53	20.773	
9,000.0	9,000.0	9,082.6	8,998.0	13.0	25.1	-79.08	155.6	-806.2	821.1	781.5	39.63	20.718	
9,100.0	9,100.0	9,182.6	9,098.0	13.1	25.2	-79.08	155.6	-806.2	821.1	781.3	39.74	20.662	
9,200.0	9,200.0	9,282.6	9,198.0	13.2	25.2	-79.08	155.6	-806.2	821.1	781.2	39.84	20.607	
9,300.0	9,300.0	9,382.6	9,298.0	13.3	25.2	-79.08	155.6	-806.2	821.1	781.1	39.95	20.553	
9,400.0	9,400.0	9,482.6	9,398.0	13.4	25.3	-79.08	155.6	-806.2	821.1	781.0	40.06	20.498	
9,500.0	9,500.0	9,582.6	9,498.0	13.5	25.3	-79.08	155.6	-806.2	821.1	780.9	40.16	20.443	
9,600.0	9,600.0	9,682.6	9,598.0	13.6	25.3	-79.08	155.6	-806.2	821.1	780.8	40.27	20.388	
9,700.0	9,700.0	9,782.6	9,698.0	13.7	25.4	-79.08	155.6	-806.2	821.1	780.7	40.38	20.334	
9,800.0	9,800.0	9,882.6	9,798.0	13.8	25.4	-79.08	155.6	-806.2	821.1	780.6	40.49	20.280	
9,900.0	9,900.0	9,982.6	9,898.0	13.9	25.5	-79.08	155.6	-806.2	821.1	780.5	40.60	20.225	
10,000.0	10,000.0	10,082.6	9,998.0	14.0	25.5	-79.08	155.6	-806.2	821.1	780.4	40.71	20.171	
10,100.0	10,100.0	10,182.6	10,098.0	14.1	25.5	-79.08	155.6	-806.2	821.1	780.3	40.82	20.117	
10,200.0	10,200.0	10,282.6	10,198.0	14.2	25.6	-79.08	155.6	-806.2	821.1	780.2	40.92	20.063	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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)			
10,300.0	10,300.0	10,382.6	10,298.0	14.3	25.6	-79.08	155.6	-806.2	821.1	780.1	41.03	20.009	
10,400.0	10,400.0	10,482.6	10,398.0	14.4	25.6	-79.08	155.6	-806.2	821.1	779.9	41.15	19.956	
10,500.0	10,500.0	10,582.6	10,498.0	14.4	25.7	-79.08	155.6	-806.2	821.1	779.8	41.26	19.902	
10,600.0	10,600.0	10,682.6	10,598.0	14.5	25.7	-79.08	155.6	-806.2	821.1	779.7	41.37	19.849	
10,700.0	10,700.0	10,782.6	10,698.0	14.6	25.8	-79.08	155.6	-806.2	821.1	779.6	41.48	19.795	
10,800.0	10,800.0	10,882.6	10,798.0	14.7	25.8	-79.08	155.6	-806.2	821.1	779.5	41.59	19.742	
10,900.0	10,900.0	10,982.6	10,898.0	14.8	25.8	-79.08	155.6	-806.2	821.1	779.4	41.70	19.689	
11,000.0	11,000.0	11,082.6	10,998.0	14.9	25.9	-79.08	155.6	-806.2	821.1	779.3	41.81	19.636	
11,100.0	11,100.0	11,182.6	11,098.0	15.0	25.9	-79.08	155.6	-806.2	821.1	779.2	41.93	19.584	
11,200.0	11,200.0	11,282.6	11,198.0	15.1	26.0	-79.08	155.6	-806.2	821.1	779.0	42.04	19.531	
11,259.5	11,259.5	11,342.1	11,257.5	15.1	26.0	-79.08	155.6	-806.2	821.1	779.0	42.09	19.509	
11,275.0	11,275.0	11,354.2	11,269.6	15.1	26.0	102.78	155.7	-806.2	821.2	779.3	41.89	19.604	
11,300.0	11,300.0	11,375.0	11,290.4	15.1	26.0	102.87	156.6	-806.2	821.7	779.8	41.90	19.609	
11,325.0	11,324.8	11,390.8	11,306.1	15.2	26.0	102.96	157.9	-806.2	822.7	780.8	41.93	19.621	
11,350.0	11,349.5	11,408.4	11,323.6	15.2	26.0	103.11	159.9	-806.2	824.3	782.3	41.94	19.654	
11,375.0	11,373.9	11,425.0	11,340.0	15.2	26.0	103.27	162.4	-806.3	826.4	784.4	41.94	19.703	
11,400.0	11,398.0	11,441.3	11,356.1	15.2	26.0	103.44	165.5	-806.3	829.1	787.1	41.94	19.770	
11,425.0	11,421.7	11,456.4	11,370.7	15.2	26.0	103.57	168.7	-806.3	832.4	790.5	41.92	19.855	
11,450.0	11,445.0	11,470.3	11,384.3	15.2	26.0	103.64	172.2	-806.4	836.4	794.5	41.91	19.958	
11,475.0	11,467.8	11,483.1	11,396.6	15.3	26.0	103.65	175.7	-806.4	841.1	799.2	41.89	20.080	
11,500.0	11,490.0	11,494.8	11,407.7	15.3	26.0	103.55	179.2	-806.4	846.6	804.7	41.86	20.222	
11,525.0	11,511.5	11,505.3	11,417.6	15.3	26.0	103.34	182.5	-806.5	852.8	811.0	41.84	20.385	
11,550.0	11,532.4	11,514.6	11,426.4	15.3	26.0	102.99	185.7	-806.5	859.8	818.0	41.80	20.569	
11,575.0	11,552.5	11,525.0	11,436.1	15.4	26.0	102.62	189.4	-806.5	867.7	825.9	41.75	20.784	
11,600.0	11,571.9	11,525.0	11,436.1	15.4	26.0	101.54	189.4	-806.5	876.3	834.5	41.77	20.979	
11,625.0	11,590.3	11,536.0	11,446.3	15.4	26.0	101.03	193.6	-806.6	885.7	844.0	41.68	21.249	
11,650.0	11,607.9	11,541.1	11,451.0	15.4	26.0	100.05	195.7	-806.6	895.8	854.2	41.63	21.518	
11,675.0	11,624.5	11,550.0	11,459.1	15.5	26.0	99.21	199.3	-806.6	906.8	865.2	41.53	21.832	
11,700.0	11,640.1	11,550.0	11,459.1	15.5	26.0	97.65	199.3	-806.6	918.4	876.9	41.51	22.125	
11,725.0	11,654.7	11,550.0	11,459.1	15.5	26.0	95.98	199.3	-806.6	930.6	889.2	41.47	22.440	
11,750.0	11,668.2	11,550.0	11,459.1	15.6	26.0	94.18	199.3	-806.6	943.5	902.1	41.42	22.779	
11,775.0	11,680.5	11,550.0	11,459.1	15.6	26.0	92.27	199.3	-806.6	957.0	915.6	41.36	23.138	
11,800.0	11,691.8	11,550.0	11,459.1	15.6	26.0	90.25	199.3	-806.6	970.9	929.6	41.28	23.518	
11,825.0	11,701.8	11,550.0	11,459.1	15.6	26.0	88.14	199.3	-806.6	985.3	944.1	41.19	23.918	

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 #753H
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 #753H	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	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.0	0.0	0.0	0.0	3.0	3.0	24.91	184.3	85.6	203.2	196.2	6.98	29.108	
100.0	100.0	98.0	98.0	3.1	3.1	24.91	184.3	85.6	203.2	196.0	7.22	28.130	
200.0	200.0	198.0	198.0	3.2	3.2	24.91	184.3	85.6	203.2	195.7	7.47	27.205	
300.0	300.0	298.0	298.0	3.4	3.4	24.91	184.3	85.6	203.2	195.5	7.71	26.355	
400.0	400.0	398.0	398.0	3.5	3.5	24.91	184.3	85.6	203.2	195.2	7.95	25.565	
500.0	500.0	498.0	498.0	3.6	3.6	24.91	184.3	85.6	203.2	195.0	8.18	24.828	
600.0	600.0	598.0	598.0	3.7	3.7	24.91	184.3	85.6	203.2	194.8	8.42	24.139	
700.0	700.0	698.0	698.0	3.9	3.9	24.91	184.3	85.6	203.2	194.5	8.65	23.492	
800.0	800.0	798.0	798.0	4.0	4.0	24.91	184.3	85.6	203.2	194.3	8.88	22.883	
900.0	900.0	898.0	898.0	4.1	4.1	24.91	184.3	85.6	203.2	194.1	9.11	22.310	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	24.91	184.3	85.6	203.2	193.9	9.33	21.767	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	24.91	184.3	85.6	203.2	193.6	9.56	21.253	
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	24.91	184.3	85.6	203.2	193.4	9.78	20.766	
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	24.91	184.3	85.6	203.2	193.2	10.01	20.303	
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	24.91	184.3	85.6	203.2	193.0	10.23	19.862	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	24.91	184.3	85.6	203.2	192.7	10.45	19.442	
1,600.0	1,600.0	1,601.9	1,601.9	5.0	4.9	24.48	184.0	83.8	202.2	191.8	10.42	19.405	
1,700.0	1,700.0	1,705.6	1,705.4	5.1	5.1	23.13	183.3	78.3	199.4	188.7	10.76	18.539	
1,800.0	1,800.0	1,808.7	1,808.1	5.3	5.3	20.80	182.0	69.1	194.9	183.8	11.08	17.585	
1,900.0	1,900.0	1,911.1	1,909.7	5.4	5.6	17.38	180.2	56.4	189.2	177.8	11.40	16.593	
2,000.0	2,000.0	2,012.1	2,009.4	5.6	5.9	12.79	177.9	40.4	182.8	171.1	11.70	15.627	
2,100.0	2,100.0	2,110.6	2,106.4	5.7	6.2	7.61	175.6	23.4	177.3	165.3	11.97	14.810	
2,200.0	2,200.0	2,209.1	2,203.4	5.8	6.5	2.15	173.2	6.5	173.4	161.1	12.24	14.170	
2,300.0	2,300.0	2,307.6	2,300.4	6.0	6.8	-3.49	170.8	-10.4	171.1	158.6	12.50	13.696	
2,378.7	2,378.7	2,385.1	2,376.7	6.1	7.0	-8.00	168.9	-23.7	170.6	157.9	12.70	13.429 CC	
2,400.0	2,400.0	2,406.1	2,397.4	6.1	7.1	-9.23	168.4	-27.4	170.6	157.9	12.76	13.371 ES	
2,500.0	2,500.0	2,504.5	2,494.3	6.2	7.4	-14.94	166.0	-44.3	171.9	158.8	13.05	13.175	
2,600.0	2,600.0	2,603.0	2,591.3	6.3	7.8	-20.51	163.7	-61.2	174.9	161.5	13.36	13.085	
2,700.0	2,700.0	2,701.5	2,688.3	6.5	8.1	-25.86	161.3	-78.2	179.5	165.8	13.72	13.081	
2,800.0	2,800.0	2,800.0	2,785.3	6.6	8.5	-30.90	158.9	-95.1	185.6	171.5	14.12	13.141	
2,900.0	2,900.0	2,898.5	2,882.3	6.7	8.9	-35.59	156.5	-112.0	193.1	178.5	14.57	13.251	
3,000.0	3,000.0	2,996.9	2,979.3	6.8	9.2	-39.92	154.1	-129.0	201.8	186.8	15.06	13.399	
3,100.0	3,100.0	3,095.4	3,076.2	7.0	9.6	-43.87	151.8	-145.9	211.6	196.0	15.59	13.575	
3,200.0	3,200.0	3,193.9	3,173.2	7.1	10.0	-47.47	149.4	-162.8	222.4	206.2	16.15	13.772	
3,300.0	3,300.0	3,292.4	3,270.2	7.2	10.4	-50.73	147.0	-179.8	233.9	217.1	16.72	13.984	
3,400.0	3,400.0	3,390.9	3,367.2	7.3	10.8	-53.68	144.6	-196.7	246.1	228.8	17.32	14.208	
3,500.0	3,500.0	3,489.3	3,464.2	7.4	11.2	-56.34	142.2	-213.6	258.9	240.9	17.93	14.439	
3,600.0	3,600.0	3,587.8	3,561.2	7.5	11.6	-58.76	139.9	-230.6	272.2	253.6	18.55	14.674	
3,700.0	3,700.0	3,686.3	3,658.2	7.7	12.0	-60.95	137.5	-247.5	285.9	266.7	19.17	14.911	
3,800.0	3,800.0	3,784.8	3,755.1	7.8	12.4	-62.94	135.1	-264.4	300.0	280.2	19.81	15.149	
3,900.0	3,900.0	3,883.3	3,852.1	7.9	12.8	-64.75	132.7	-281.4	314.5	294.0	20.44	15.385	
4,000.0	4,000.0	3,981.8	3,949.1	8.0	13.3	-66.40	130.3	-298.3	329.2	308.1	21.08	15.618	
4,100.0	4,100.0	4,082.0	4,047.9	8.1	13.7	-67.93	127.9	-315.5	344.1	322.4	21.69	15.860	
4,200.0	4,200.0	4,186.3	4,150.9	8.2	14.1	-69.27	125.6	-331.8	357.9	335.6	22.35	16.019	
4,300.0	4,300.0	4,291.2	4,254.7	8.3	14.5	-70.37	123.6	-346.5	370.4	347.4	22.98	16.118	
4,400.0	4,400.0	4,396.7	4,359.3	8.4	14.9	-71.28	121.8	-359.3	381.3	357.7	23.59	16.164	
4,500.0	4,500.0	4,502.5	4,464.6	8.6	15.4	-72.01	120.2	-370.2	390.6	366.5	24.17	16.162	
4,600.0	4,600.0	4,608.7	4,570.4	8.7	15.7	-72.58	119.0	-379.2	398.4	373.7	24.72	16.116	
4,700.0	4,700.0	4,715.3	4,676.7	8.8	16.1	-73.02	118.0	-386.3	404.5	379.2	25.23	16.030	
4,800.0	4,800.0	4,822.0	4,783.4	8.9	16.5	-73.32	117.3	-391.4	408.9	383.2	25.70	15.909	
4,900.0	4,900.0	4,928.9	4,890.2	9.0	16.8	-73.51	116.8	-394.6	411.6	385.5	26.12	15.761	
5,000.0	5,000.0	5,035.9	4,997.2	9.1	17.0	-73.58	116.6	-395.8	412.7	386.2	26.41	15.623	

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 #753H
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 #753H	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	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	
5,100.0	5,100.0	5,136.7	5,098.0	9.2	17.1	-73.58	116.6	-395.8	412.7	386.1	26.53	15.556	
5,200.0	5,200.0	5,236.7	5,198.0	9.3	17.1	-73.58	116.6	-395.8	412.7	386.0	26.65	15.482	
5,300.0	5,300.0	5,336.7	5,298.0	9.4	17.1	-73.58	116.6	-395.8	412.7	385.9	26.78	15.409	
5,400.0	5,400.0	5,436.7	5,398.0	9.5	17.2	-73.58	116.6	-395.8	412.7	385.8	26.91	15.336	
5,500.0	5,500.0	5,536.7	5,498.0	9.6	17.2	-73.58	116.6	-395.8	412.7	385.6	27.04	15.264	
5,600.0	5,600.0	5,636.7	5,598.0	9.7	17.3	-73.58	116.6	-395.8	412.7	385.5	27.16	15.192	
5,700.0	5,700.0	5,736.7	5,698.0	9.8	17.3	-73.58	116.6	-395.8	412.7	385.4	27.29	15.120	
5,800.0	5,800.0	5,836.7	5,798.0	9.9	17.4	-73.58	116.6	-395.8	412.7	385.2	27.42	15.049	
5,900.0	5,900.0	5,936.7	5,898.0	10.0	17.4	-73.58	116.6	-395.8	412.7	385.1	27.55	14.979	
6,000.0	6,000.0	6,036.7	5,998.0	10.1	17.4	-73.58	116.6	-395.8	412.7	385.0	27.68	14.909	
6,100.0	6,100.0	6,136.7	6,098.0	10.2	17.5	-73.58	116.6	-395.8	412.7	384.9	27.81	14.839	
6,200.0	6,200.0	6,236.7	6,198.0	10.3	17.5	-73.58	116.6	-395.8	412.7	384.7	27.94	14.770	
6,300.0	6,300.0	6,336.7	6,298.0	10.4	17.6	-73.58	116.6	-395.8	412.7	384.6	28.07	14.702	
6,400.0	6,400.0	6,436.7	6,398.0	10.5	17.6	-73.58	116.6	-395.8	412.7	384.5	28.20	14.634	
6,500.0	6,500.0	6,536.7	6,498.0	10.6	17.7	-73.58	116.6	-395.8	412.7	384.3	28.33	14.566	
6,600.0	6,600.0	6,636.7	6,598.0	10.7	17.7	-73.58	116.6	-395.8	412.7	384.2	28.46	14.499	
6,700.0	6,700.0	6,736.7	6,698.0	10.8	17.8	-73.58	116.6	-395.8	412.7	384.1	28.59	14.432	
6,800.0	6,800.0	6,836.7	6,798.0	10.9	17.8	-73.58	116.6	-395.8	412.7	383.9	28.73	14.366	
6,900.0	6,900.0	6,936.7	6,898.0	11.0	17.8	-73.58	116.6	-395.8	412.7	383.8	28.86	14.300	
7,000.0	7,000.0	7,036.7	6,998.0	11.1	17.9	-73.58	116.6	-395.8	412.7	383.7	28.99	14.235	
7,100.0	7,100.0	7,136.7	7,098.0	11.2	17.9	-73.58	116.6	-395.8	412.7	383.5	29.12	14.170	
7,200.0	7,200.0	7,236.7	7,198.0	11.3	18.0	-73.58	116.6	-395.8	412.7	383.4	29.26	14.105	
7,300.0	7,300.0	7,336.7	7,298.0	11.4	18.0	-73.58	116.6	-395.8	412.7	383.3	29.39	14.041	
7,400.0	7,400.0	7,436.7	7,398.0	11.5	18.1	-73.58	116.6	-395.8	412.7	383.1	29.52	13.978	
7,500.0	7,500.0	7,536.7	7,498.0	11.6	18.1	-73.58	116.6	-395.8	412.7	383.0	29.66	13.915	
7,600.0	7,600.0	7,636.7	7,598.0	11.7	18.2	-73.58	116.6	-395.8	412.7	382.9	29.79	13.852	
7,700.0	7,700.0	7,736.7	7,698.0	11.8	18.2	-73.58	116.6	-395.8	412.7	382.7	29.93	13.790	
7,800.0	7,800.0	7,836.7	7,798.0	11.9	18.3	-73.58	116.6	-395.8	412.7	382.6	30.06	13.728	
7,900.0	7,900.0	7,936.7	7,898.0	12.0	18.3	-73.58	116.6	-395.8	412.7	382.5	30.20	13.666	
8,000.0	8,000.0	8,036.7	7,998.0	12.1	18.4	-73.58	116.6	-395.8	412.7	382.3	30.33	13.605	
8,100.0	8,100.0	8,136.7	8,098.0	12.2	18.4	-73.58	116.6	-395.8	412.7	382.2	30.47	13.545	
8,200.0	8,200.0	8,236.7	8,198.0	12.3	18.5	-73.58	116.6	-395.8	412.7	382.1	30.60	13.485	
8,300.0	8,300.0	8,336.7	8,298.0	12.4	18.5	-73.58	116.6	-395.8	412.7	381.9	30.74	13.425	
8,400.0	8,400.0	8,436.7	8,398.0	12.5	18.6	-73.58	116.6	-395.8	412.7	381.8	30.87	13.366	
8,500.0	8,500.0	8,536.7	8,498.0	12.6	18.6	-73.58	116.6	-395.8	412.7	381.7	31.01	13.307	
8,600.0	8,600.0	8,636.7	8,598.0	12.7	18.7	-73.58	116.6	-395.8	412.7	381.5	31.15	13.249	
8,700.0	8,700.0	8,736.7	8,698.0	12.8	18.7	-73.58	116.6	-395.8	412.7	381.4	31.28	13.191	
8,800.0	8,800.0	8,836.7	8,798.0	12.9	18.8	-73.58	116.6	-395.8	412.7	381.2	31.42	13.133	
8,900.0	8,900.0	8,936.7	8,898.0	13.0	18.8	-73.58	116.6	-395.8	412.7	381.1	31.56	13.076	
9,000.0	9,000.0	9,036.7	8,998.0	13.0	18.9	-73.58	116.6	-395.8	412.7	381.0	31.70	13.019	
9,100.0	9,100.0	9,136.7	9,098.0	13.1	18.9	-73.58	116.6	-395.8	412.7	380.8	31.83	12.963	
9,200.0	9,200.0	9,236.7	9,198.0	13.2	19.0	-73.58	116.6	-395.8	412.7	380.7	31.97	12.907	
9,300.0	9,300.0	9,336.7	9,298.0	13.3	19.0	-73.58	116.6	-395.8	412.7	380.6	32.11	12.851	
9,400.0	9,400.0	9,436.7	9,398.0	13.4	19.1	-73.58	116.6	-395.8	412.7	380.4	32.25	12.796	
9,500.0	9,500.0	9,536.7	9,498.0	13.5	19.1	-73.58	116.6	-395.8	412.7	380.3	32.39	12.741	
9,600.0	9,600.0	9,636.7	9,598.0	13.6	19.2	-73.58	116.6	-395.8	412.7	380.1	32.53	12.687	
9,700.0	9,700.0	9,736.7	9,698.0	13.7	19.2	-73.58	116.6	-395.8	412.7	380.0	32.67	12.633	
9,800.0	9,800.0	9,836.7	9,798.0	13.8	19.3	-73.58	116.6	-395.8	412.7	379.9	32.81	12.579	
9,900.0	9,900.0	9,936.7	9,898.0	13.9	19.3	-73.58	116.6	-395.8	412.7	379.7	32.95	12.526	
10,000.0	10,000.0	10,036.7	9,998.0	14.0	19.4	-73.58	116.6	-395.8	412.7	379.6	33.09	12.473	
10,100.0	10,100.0	10,136.7	10,098.0	14.1	19.4	-73.58	116.6	-395.8	412.7	379.4	33.23	12.420	
10,200.0	10,200.0	10,236.7	10,198.0	14.2	19.5	-73.58	116.6	-395.8	412.7	379.3	33.37	12.368	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.0	10,300.0	10,336.7	10,298.0	14.3	19.6	-73.58	116.6	-395.8	412.7	379.2	33.51	12.316	
10,400.0	10,400.0	10,436.7	10,398.0	14.4	19.6	-73.58	116.6	-395.8	412.7	379.0	33.65	12.265	
10,500.0	10,500.0	10,536.7	10,498.0	14.4	19.7	-73.58	116.6	-395.8	412.7	378.9	33.79	12.214	
10,600.0	10,600.0	10,636.7	10,598.0	14.5	19.7	-73.58	116.6	-395.8	412.7	378.7	33.93	12.163	
10,700.0	10,700.0	10,736.7	10,698.0	14.6	19.8	-73.58	116.6	-395.8	412.7	378.6	34.07	12.112	
10,800.0	10,800.0	10,836.7	10,798.0	14.7	19.8	-73.58	116.6	-395.8	412.7	378.5	34.21	12.062	
10,900.0	10,900.0	10,936.7	10,898.0	14.8	19.9	-73.58	116.6	-395.8	412.7	378.3	34.35	12.013	
11,000.0	11,000.0	11,036.7	10,998.0	14.9	19.9	-73.58	116.6	-395.8	412.7	378.2	34.49	11.963	
11,100.0	11,100.0	11,136.7	11,098.0	15.0	20.0	-73.58	116.6	-395.8	412.7	378.0	34.64	11.914	
11,200.0	11,200.0	11,236.7	11,198.0	15.1	20.0	-73.58	116.6	-395.8	412.7	377.9	34.78	11.866	
11,259.5	11,259.5	11,296.2	11,257.5	15.1	20.1	-73.58	116.6	-395.8	412.7	377.8	34.85	11.841 SF	
11,275.0	11,275.0	11,311.7	11,273.0	15.1	20.1	108.29	116.6	-395.8	412.7	378.0	34.73	11.884	
11,300.0	11,300.0	11,336.7	11,298.0	15.1	20.1	108.43	116.6	-395.8	413.2	378.5	34.74	11.895	
11,325.0	11,324.8	11,361.5	11,322.8	15.2	20.1	108.69	116.6	-395.8	414.1	379.4	34.73	11.922	
11,350.0	11,349.5	11,386.2	11,347.5	15.2	20.1	109.07	116.6	-395.8	415.4	380.7	34.72	11.966	
11,375.0	11,373.9	11,410.6	11,371.9	15.2	20.1	109.54	116.6	-395.8	417.2	382.5	34.68	12.029	
11,400.0	11,398.0	11,434.7	11,396.0	15.2	20.1	110.10	116.6	-395.8	419.5	384.9	34.64	12.112	
11,425.0	11,421.7	11,458.4	11,419.7	15.2	20.2	110.74	116.6	-395.8	422.4	387.8	34.58	12.216	
11,450.0	11,445.0	11,479.6	11,440.9	15.2	20.2	111.32	116.7	-395.8	425.9	391.5	34.43	12.371	
11,475.0	11,467.8	11,496.3	11,457.6	15.3	20.2	111.75	117.2	-395.8	430.3	396.0	34.37	12.520	
11,500.0	11,490.0	11,512.0	11,473.2	15.3	20.2	112.15	118.2	-395.9	435.8	401.5	34.31	12.703	
11,525.0	11,511.5	11,525.0	11,486.2	15.3	20.2	112.34	119.4	-395.9	442.4	408.1	34.25	12.917	
11,550.0	11,532.4	11,539.8	11,500.9	15.3	20.2	112.64	121.3	-395.9	450.1	415.9	34.16	13.174	
11,575.0	11,552.5	11,550.0	11,511.0	15.4	20.2	112.47	122.8	-395.9	459.0	424.9	34.12	13.453	
11,600.0	11,571.9	11,562.7	11,523.5	15.4	20.2	112.44	125.0	-395.9	469.1	435.1	34.04	13.782	
11,625.0	11,590.3	11,575.0	11,535.5	15.4	20.2	112.28	127.4	-395.9	480.5	446.5	33.95	14.151	
11,650.0	11,607.9	11,580.7	11,541.1	15.4	20.2	111.29	128.7	-395.9	493.0	459.0	33.95	14.520	
11,675.0	11,624.5	11,588.0	11,548.2	15.5	20.2	110.29	130.3	-396.0	506.6	472.7	33.92	14.934	
11,700.0	11,640.1	11,594.1	11,554.1	15.5	20.2	108.97	131.9	-396.0	521.3	487.4	33.90	15.377	
11,725.0	11,654.7	11,600.0	11,559.8	15.5	20.2	107.40	133.4	-396.0	536.9	503.1	33.87	15.853	
11,750.0	11,668.2	11,600.0	11,559.8	15.6	20.2	104.84	133.4	-396.0	553.5	519.6	33.93	16.314	
11,775.0	11,680.5	11,606.7	11,566.3	15.6	20.2	102.92	135.2	-396.0	570.9	537.0	33.86	16.861	
11,800.0	11,691.8	11,609.2	11,568.6	15.6	20.2	100.16	135.8	-396.0	589.0	555.2	33.85	17.402	
11,825.0	11,701.8	11,610.8	11,570.2	15.6	20.2	97.03	136.3	-396.0	607.8	573.9	33.83	17.964	
11,850.0	11,710.6	11,611.7	11,571.1	15.7	20.2	93.55	136.6	-396.0	627.0	593.2	33.81	18.544	
11,875.0	11,718.2	11,611.9	11,571.3	15.7	20.2	89.73	136.6	-396.0	646.7	613.0	33.79	19.141	
11,900.0	11,724.5	11,611.5	11,570.9	15.7	20.2	85.64	136.5	-396.0	666.8	633.0	33.76	19.754	
11,925.0	11,729.5	11,610.5	11,569.9	15.7	20.2	81.34	136.2	-396.0	687.1	653.4	33.71	20.381	
11,950.0	11,733.3	11,609.0	11,568.4	15.7	20.2	76.89	135.8	-396.0	707.6	674.0	33.66	21.021	
11,975.0	11,735.8	11,600.0	11,559.8	15.7	20.2	71.51	133.4	-396.0	728.3	694.6	33.71	21.603	
12,000.0	11,736.9	11,600.0	11,559.8	15.7	20.2	67.42	133.4	-396.0	748.9	715.3	33.60	22.287	
12,009.5	11,737.0	11,600.0	11,559.8	15.7	20.2	65.89	133.4	-396.0	756.8	723.2	33.56	22.552	
12,083.4	11,737.0	11,600.0	11,559.8	15.8	20.2	66.78	133.4	-396.0	818.3	785.0	33.25	24.613	
12,100.0	11,737.0	11,600.0	11,559.8	15.8	20.2	66.78	133.4	-396.0	832.3	799.1	33.18	25.082	
12,200.0	11,737.0	11,584.5	11,544.8	16.0	20.2	65.03	129.5	-396.0	918.0	885.0	33.05	27.774	

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 #753H
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 #753H	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	33.47	167.5	110.8	200.8	193.9	6.98	28.771	
100.0	100.0	99.0	99.0	3.1	3.1	33.47	167.5	110.8	200.8	193.6	7.22	27.799	
200.0	200.0	199.0	199.0	3.2	3.2	33.47	167.5	110.8	200.8	193.4	7.47	26.894	
300.0	300.0	299.0	299.0	3.4	3.4	33.47	167.5	110.8	200.8	193.1	7.71	26.061	
400.0	400.0	399.0	399.0	3.5	3.5	33.47	167.5	110.8	200.8	192.9	7.94	25.290	
500.0	500.0	499.0	499.0	3.6	3.6	33.47	167.5	110.8	200.8	192.7	8.17	24.571	
600.0	600.0	599.0	599.0	3.7	3.7	33.47	167.5	110.8	200.8	192.4	8.40	23.900	
700.0	700.0	699.0	699.0	3.9	3.9	33.47	167.5	110.8	200.8	192.2	8.63	23.272	
800.0	800.0	799.0	799.0	4.0	4.0	33.47	167.5	110.8	200.8	192.0	8.86	22.682	
900.0	900.0	899.0	899.0	4.1	4.1	33.47	167.5	110.8	200.8	191.8	9.08	22.125	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	33.47	167.5	110.8	200.8	191.5	9.30	21.600	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	33.47	167.5	110.8	200.8	191.3	9.52	21.103	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	33.47	167.5	110.8	200.8	191.1	9.73	20.632	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	33.47	167.5	110.8	200.8	190.9	9.95	20.185	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	33.47	167.5	110.8	200.8	190.7	10.16	19.759	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	33.47	167.5	110.8	200.8	190.5	10.38	19.353	
1,600.0	1,600.0	1,605.6	1,605.6	5.0	5.0	33.23	166.5	109.1	199.2	188.8	10.41	19.144	
1,700.0	1,700.0	1,712.1	1,711.9	5.1	5.2	32.47	163.5	104.0	194.2	183.4	10.79	18.008	
1,800.0	1,800.0	1,814.0	1,813.4	5.3	5.3	31.28	159.1	96.6	186.7	175.6	11.05	16.900	
1,900.0	1,900.0	1,913.6	1,912.7	5.4	5.5	29.99	154.6	89.2	179.0	167.6	11.39	15.717	
2,000.0	2,000.0	2,013.2	2,011.9	5.6	5.7	28.58	150.1	81.8	171.4	159.7	11.74	14.602	
2,100.0	2,100.0	2,112.8	2,111.1	5.7	5.9	27.04	145.6	74.3	164.0	151.9	12.10	13.555	
2,200.0	2,200.0	2,212.5	2,210.4	5.8	6.2	25.35	141.2	66.9	156.6	144.2	12.45	12.576	
2,300.0	2,300.0	2,312.1	2,309.6	6.0	6.5	23.50	136.7	59.4	149.4	136.6	12.81	11.666	
2,400.0	2,400.0	2,411.7	2,408.9	6.1	6.7	21.47	132.2	52.0	142.4	129.3	13.16	10.822	
2,500.0	2,500.0	2,511.3	2,508.1	6.2	7.0	19.23	127.8	44.6	135.6	122.1	13.50	10.043	
2,600.0	2,600.0	2,610.9	2,607.3	6.3	7.3	16.75	123.3	37.1	129.0	115.2	13.82	9.332	
2,700.0	2,700.0	2,709.9	2,706.0	6.5	7.6	14.09	118.9	29.8	122.8	108.7	14.08	8.720	
2,800.0	2,800.0	2,808.2	2,804.0	6.6	7.9	11.68	115.3	23.8	117.9	103.5	14.38	8.198	
2,900.0	2,900.0	2,906.8	2,902.4	6.7	8.2	9.71	112.6	19.3	114.2	99.6	14.66	7.795	
3,000.0	3,000.0	3,005.4	3,001.0	6.8	8.5	8.30	110.7	16.1	111.9	96.9	14.93	7.493	
3,100.0	3,100.0	3,104.2	3,099.8	7.0	8.7	7.52	109.7	14.5	110.6	95.4	15.20	7.279	
3,193.3	3,193.3	3,196.7	3,192.3	7.1	8.8	7.37	109.5	14.2	110.4	95.0	15.36	7.187	
3,200.0	3,200.0	3,203.4	3,199.0	7.1	8.8	7.37	109.5	14.2	110.4	95.0	15.37	7.181	
3,300.0	3,300.0	3,303.4	3,299.0	7.2	8.9	7.37	109.5	14.2	110.4	94.8	15.58	7.088	
3,400.0	3,400.0	3,403.4	3,399.0	7.3	9.0	7.37	109.5	14.2	110.4	94.6	15.78	6.997	
3,500.0	3,500.0	3,503.4	3,499.0	7.4	9.1	7.37	109.5	14.2	110.4	94.4	15.98	6.909	
3,600.0	3,600.0	3,603.4	3,599.0	7.5	9.1	7.37	109.5	14.2	110.4	94.2	16.18	6.824	
3,700.0	3,700.0	3,703.4	3,699.0	7.7	9.2	7.37	109.5	14.2	110.4	94.0	16.38	6.741	
3,800.0	3,800.0	3,803.4	3,799.0	7.8	9.3	7.37	109.5	14.2	110.4	93.8	16.58	6.660	
3,900.0	3,900.0	3,903.4	3,899.0	7.9	9.4	7.37	109.5	14.2	110.4	93.6	16.77	6.582	
4,000.0	4,000.0	4,003.4	3,999.0	8.0	9.4	7.37	109.5	14.2	110.4	93.4	16.97	6.506	
4,100.0	4,100.0	4,103.4	4,099.0	8.1	9.5	7.37	109.5	14.2	110.4	93.2	17.17	6.432	
4,200.0	4,200.0	4,203.4	4,199.0	8.2	9.6	7.37	109.5	14.2	110.4	93.0	17.36	6.359	
4,300.0	4,300.0	4,303.4	4,299.0	8.3	9.7	7.37	109.5	14.2	110.4	92.9	17.56	6.289	
4,400.0	4,400.0	4,403.4	4,399.0	8.4	9.8	7.37	109.5	14.2	110.4	92.7	17.75	6.220	
4,500.0	4,500.0	4,503.4	4,499.0	8.6	9.8	7.37	109.5	14.2	110.4	92.5	17.94	6.154	
4,600.0	4,600.0	4,603.4	4,599.0	8.7	9.9	7.37	109.5	14.2	110.4	92.3	18.13	6.088	
4,700.0	4,700.0	4,703.4	4,699.0	8.8	10.0	7.37	109.5	14.2	110.4	92.1	18.33	6.025	
4,800.0	4,800.0	4,803.4	4,799.0	8.9	10.1	7.37	109.5	14.2	110.4	91.9	18.52	5.962	
4,900.0	4,900.0	4,903.4	4,899.0	9.0	10.1	7.37	109.5	14.2	110.4	91.7	18.71	5.902	
5,000.0	5,000.0	5,003.4	4,999.0	9.1	10.2	7.37	109.5	14.2	110.4	91.5	18.90	5.842	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
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	5,100.0	5,103.4	5,099.0	9.2	10.3	7.37	109.5	14.2	110.4	91.3	19.09	5.785		
5,200.0	5,200.0	5,203.4	5,199.0	9.3	10.4	7.37	109.5	14.2	110.4	91.1	19.28	5.728		
5,300.0	5,300.0	5,303.4	5,299.0	9.4	10.5	7.37	109.5	14.2	110.4	90.9	19.46	5.672		
5,400.0	5,400.0	5,403.4	5,399.0	9.5	10.5	7.37	109.5	14.2	110.4	90.8	19.65	5.618		
5,500.0	5,500.0	5,503.4	5,499.0	9.6	10.6	7.37	109.5	14.2	110.4	90.6	19.84	5.565		
5,600.0	5,600.0	5,603.4	5,599.0	9.7	10.7	7.37	109.5	14.2	110.4	90.4	20.03	5.513		
5,700.0	5,700.0	5,703.4	5,699.0	9.8	10.8	7.37	109.5	14.2	110.4	90.2	20.21	5.462		
5,800.0	5,800.0	5,803.4	5,799.0	9.9	10.9	7.37	109.5	14.2	110.4	90.0	20.40	5.413		
5,900.0	5,900.0	5,903.4	5,899.0	10.0	10.9	7.37	109.5	14.2	110.4	89.8	20.58	5.364		
6,000.0	6,000.0	6,003.4	5,999.0	10.1	11.0	7.37	109.5	14.2	110.4	89.6	20.77	5.316		
6,100.0	6,100.0	6,103.4	6,099.0	10.2	11.1	7.37	109.5	14.2	110.4	89.5	20.95	5.269		
6,200.0	6,200.0	6,203.4	6,199.0	10.3	11.2	7.37	109.5	14.2	110.4	89.3	21.14	5.223		
6,300.0	6,300.0	6,303.4	6,299.0	10.4	11.2	7.37	109.5	14.2	110.4	89.1	21.32	5.178		
6,400.0	6,400.0	6,403.4	6,399.0	10.5	11.3	7.37	109.5	14.2	110.4	88.9	21.50	5.134		
6,500.0	6,500.0	6,503.4	6,499.0	10.6	11.4	7.37	109.5	14.2	110.4	88.7	21.69	5.091		
6,600.0	6,600.0	6,603.4	6,599.0	10.7	11.5	7.37	109.5	14.2	110.4	88.5	21.87	5.048		
6,700.0	6,700.0	6,703.4	6,699.0	10.8	11.6	7.37	109.5	14.2	110.4	88.4	22.05	5.007		
6,800.0	6,800.0	6,803.4	6,799.0	10.9	11.6	7.37	109.5	14.2	110.4	88.2	22.24	4.966		
6,900.0	6,900.0	6,903.4	6,899.0	11.0	11.7	7.37	109.5	14.2	110.4	88.0	22.42	4.925		
7,000.0	7,000.0	7,003.4	6,999.0	11.1	11.8	7.37	109.5	14.2	110.4	87.8	22.60	4.886		
7,100.0	7,100.0	7,103.4	7,099.0	11.2	11.9	7.37	109.5	14.2	110.4	87.6	22.78	4.847		
7,200.0	7,200.0	7,203.4	7,199.0	11.3	12.0	7.37	109.5	14.2	110.4	87.5	22.96	4.809		
7,300.0	7,300.0	7,303.4	7,299.0	11.4	12.0	7.37	109.5	14.2	110.4	87.3	23.14	4.771		
7,400.0	7,400.0	7,403.4	7,399.0	11.5	12.1	7.37	109.5	14.2	110.4	87.1	23.32	4.734		
7,500.0	7,500.0	7,503.4	7,499.0	11.6	12.2	7.37	109.5	14.2	110.4	86.9	23.50	4.698		
7,600.0	7,600.0	7,603.4	7,599.0	11.7	12.3	7.37	109.5	14.2	110.4	86.7	23.68	4.663		
7,700.0	7,700.0	7,703.4	7,699.0	11.8	12.4	7.37	109.5	14.2	110.4	86.6	23.86	4.628		
7,800.0	7,800.0	7,803.4	7,799.0	11.9	12.4	7.37	109.5	14.2	110.4	86.4	24.04	4.593		
7,900.0	7,900.0	7,903.4	7,899.0	12.0	12.5	7.37	109.5	14.2	110.4	86.2	24.22	4.559		
8,000.0	8,000.0	8,003.4	7,999.0	12.1	12.6	7.37	109.5	14.2	110.4	86.0	24.40	4.526		
8,100.0	8,100.0	8,103.4	8,099.0	12.2	12.7	7.37	109.5	14.2	110.4	85.8	24.57	4.493		
8,200.0	8,200.0	8,203.4	8,199.0	12.3	12.7	7.37	109.5	14.2	110.4	85.7	24.75	4.461		
8,300.0	8,300.0	8,303.4	8,299.0	12.4	12.8	7.37	109.5	14.2	110.4	85.5	24.93	4.429		
8,400.0	8,400.0	8,403.4	8,399.0	12.5	12.9	7.37	109.5	14.2	110.4	85.3	25.11	4.398		
8,500.0	8,500.0	8,503.4	8,499.0	12.6	13.0	7.37	109.5	14.2	110.4	85.1	25.28	4.367		
8,600.0	8,600.0	8,603.4	8,599.0	12.7	13.1	7.37	109.5	14.2	110.4	84.9	25.46	4.336		
8,700.0	8,700.0	8,703.4	8,699.0	12.8	13.1	7.37	109.5	14.2	110.4	84.8	25.64	4.306		
8,800.0	8,800.0	8,803.4	8,799.0	12.9	13.2	7.37	109.5	14.2	110.4	84.6	25.82	4.277		
8,900.0	8,900.0	8,903.4	8,899.0	13.0	13.3	7.37	109.5	14.2	110.4	84.4	25.99	4.248		
9,000.0	9,000.0	9,003.4	8,999.0	13.0	13.4	7.37	109.5	14.2	110.4	84.2	26.17	4.219		
9,100.0	9,100.0	9,103.4	9,099.0	13.1	13.5	7.37	109.5	14.2	110.4	84.1	26.34	4.191		
9,200.0	9,200.0	9,203.4	9,199.0	13.2	13.5	7.37	109.5	14.2	110.4	83.9	26.52	4.163		
9,300.0	9,300.0	9,303.4	9,299.0	13.3	13.6	7.37	109.5	14.2	110.4	83.7	26.70	4.136		
9,400.0	9,400.0	9,403.4	9,399.0	13.4	13.7	7.37	109.5	14.2	110.4	83.5	26.87	4.109		
9,500.0	9,500.0	9,503.4	9,499.0	13.5	13.8	7.37	109.5	14.2	110.4	83.4	27.05	4.082		
9,600.0	9,600.0	9,603.4	9,599.0	13.6	13.9	7.37	109.5	14.2	110.4	83.2	27.22	4.056		
9,700.0	9,700.0	9,703.4	9,699.0	13.7	13.9	7.37	109.5	14.2	110.4	83.0	27.40	4.030		
9,800.0	9,800.0	9,803.4	9,799.0	13.8	14.0	7.37	109.5	14.2	110.4	82.8	27.57	4.005		
9,900.0	9,900.0	9,903.4	9,899.0	13.9	14.1	7.37	109.5	14.2	110.4	82.7	27.75	3.979		
10,000.0	10,000.0	10,003.4	9,999.0	14.0	14.2	7.37	109.5	14.2	110.4	82.5	27.92	3.955		
10,100.0	10,100.0	10,103.4	10,099.0	14.1	14.3	7.37	109.5	14.2	110.4	82.3	28.09	3.930		
10,200.0	10,200.0	10,203.4	10,199.0	14.2	14.3	7.37	109.5	14.2	110.4	82.1	28.27	3.906		

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
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	
10,300.0	10,300.0	10,303.4	10,299.0	14.3	14.4	7.37	109.5	14.2	110.4	82.0	28.44	3.882		
10,400.0	10,400.0	10,403.4	10,399.0	14.4	14.5	7.37	109.5	14.2	110.4	81.8	28.62	3.858		
10,500.0	10,500.0	10,503.4	10,499.0	14.4	14.6	7.37	109.5	14.2	110.4	81.6	28.79	3.835		
10,600.0	10,600.0	10,603.4	10,599.0	14.5	14.7	7.37	109.5	14.2	110.4	81.4	28.96	3.812		
10,700.0	10,700.0	10,703.4	10,699.0	14.6	14.7	7.37	109.5	14.2	110.4	81.3	29.14	3.789		
10,800.0	10,800.0	10,803.4	10,799.0	14.7	14.8	7.37	109.5	14.2	110.4	81.1	29.31	3.767		
10,900.0	10,900.0	10,903.4	10,899.0	14.8	14.9	7.37	109.5	14.2	110.4	80.9	29.48	3.745		
11,000.0	11,000.0	11,003.4	10,999.0	14.9	15.0	7.37	109.5	14.2	110.4	80.8	29.66	3.723		
11,100.0	11,100.0	11,103.4	11,099.0	15.0	15.1	7.37	109.5	14.2	110.4	80.6	29.83	3.702		
11,200.0	11,200.0	11,203.4	11,199.0	15.1	15.1	7.37	109.5	14.2	110.4	80.4	30.00	3.680		
11,259.5	11,259.5	11,263.0	11,258.5	15.1	15.2	7.37	109.5	14.2	110.4	80.3	30.07	3.672	CC, ES, SF	
11,275.0	11,275.0	11,275.0	11,270.6	15.1	15.2	-170.79	109.6	14.2	110.8	80.9	29.88	3.709		
11,300.0	11,300.0	11,296.1	11,291.6	15.1	15.2	-170.90	110.5	14.2	113.3	83.4	29.97	3.782		
11,325.0	11,324.8	11,315.9	11,311.3	15.2	15.2	-171.10	112.2	14.1	118.2	88.0	30.14	3.921		
11,350.0	11,349.5	11,335.0	11,330.3	15.2	15.2	-171.34	114.6	14.1	125.3	94.9	30.38	4.123		
11,375.0	11,373.9	11,353.3	11,348.3	15.2	15.2	-171.61	117.6	14.1	134.5	103.8	30.67	4.385		
11,400.0	11,398.0	11,370.5	11,365.2	15.2	15.2	-171.87	121.1	14.1	145.8	114.7	31.01	4.700		
11,425.0	11,421.7	11,386.6	11,380.8	15.2	15.2	-172.10	124.9	14.0	158.9	127.5	31.38	5.064		
11,450.0	11,445.0	11,400.0	11,393.8	15.2	15.2	-172.23	128.5	14.0	173.8	142.0	31.86	5.456		
11,475.0	11,467.8	11,415.0	11,408.1	15.3	15.2	-172.39	132.9	14.0	190.3	158.2	32.15	5.920		
11,500.0	11,490.0	11,425.0	11,417.6	15.3	15.2	-172.34	136.1	13.9	208.3	175.6	32.68	6.374		
11,525.0	11,511.5	11,438.2	11,430.0	15.3	15.2	-172.37	140.6	13.9	227.5	194.6	32.90	6.915		
11,550.0	11,532.4	11,450.0	11,441.0	15.3	15.2	-172.31	144.9	13.8	247.9	214.8	33.12	7.484		
11,575.0	11,552.5	11,456.2	11,446.7	15.4	15.2	-171.92	147.3	13.8	269.2	235.6	33.57	8.020		
11,600.0	11,571.9	11,463.4	11,453.3	15.4	15.2	-171.47	150.1	13.8	291.4	257.5	33.85	8.607		
11,625.0	11,590.3	11,469.5	11,458.9	15.4	15.2	-170.79	152.6	13.8	314.3	280.2	34.11	9.213		
11,650.0	11,607.9	11,475.0	11,463.8	15.4	15.2	-169.82	154.9	13.8	337.7	303.4	34.32	9.842		
11,675.0	11,624.5	11,475.0	11,463.8	15.5	15.2	-167.82	154.9	13.8	361.7	327.1	34.69	10.428		
11,700.0	11,640.1	11,481.7	11,469.9	15.5	15.2	-165.79	157.8	13.7	386.1	351.4	34.69	11.129		
11,725.0	11,654.7	11,484.0	11,471.9	15.5	15.2	-161.40	158.8	13.7	410.7	375.9	34.82	11.794		
11,750.0	11,668.2	11,485.4	11,473.2	15.6	15.2	-151.99	159.5	13.7	435.5	400.6	34.92	12.471		
11,775.0	11,680.5	11,486.1	11,473.9	15.6	15.2	-124.06	159.8	13.7	460.4	425.5	35.00	13.157		
11,800.0	11,691.8	11,486.2	11,473.9	15.6	15.2	-57.61	159.8	13.7	485.4	450.4	35.04	13.853		
11,825.0	11,701.8	11,485.5	11,473.3	15.6	15.2	-26.04	159.5	13.7	510.4	475.3	35.06	14.556		
11,850.0	11,710.6	11,484.4	11,472.3	15.7	15.2	-15.71	159.0	13.7	535.2	500.2	35.06	15.265		
11,875.0	11,718.2	11,482.6	11,470.7	15.7	15.2	-10.98	158.2	13.7	559.9	524.9	35.04	15.981		
11,900.0	11,724.5	11,475.0	11,463.8	15.7	15.2	-7.97	154.9	13.8	584.5	549.3	35.14	16.631		
11,925.0	11,729.5	11,475.0	11,463.8	15.7	15.2	-6.52	154.9	13.8	608.7	573.7	35.00	17.390		
11,950.0	11,733.3	11,475.0	11,463.8	15.7	15.2	-5.49	154.9	13.8	632.6	597.8	34.84	18.158		
11,975.0	11,735.8	11,475.0	11,463.8	15.7	15.2	-4.72	154.9	13.8	656.2	621.5	34.66	18.935		
12,000.0	11,736.9	11,467.2	11,456.7	15.7	15.2	-4.00	151.7	13.8	679.4	644.7	34.64	19.612		
12,009.5	11,737.0	11,465.6	11,455.3	15.7	15.2	-3.80	151.0	13.8	688.1	653.5	34.59	19.892		
12,083.4	11,737.0	11,450.0	11,441.0	15.8	15.2	-0.30	144.9	13.8	755.9	721.6	34.35	22.006		
12,100.0	11,737.0	11,450.0	11,441.0	15.8	15.2	-0.30	144.9	13.8	771.2	737.0	34.23	22.528		
12,200.0	11,737.0	11,437.9	11,429.7	16.0	15.2	-0.29	140.5	13.9	864.2	830.4	33.86	25.522		
12,300.0	11,737.0	11,425.0	11,417.6	16.3	15.2	-0.28	136.1	13.9	958.2	924.6	33.61	28.512		

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 #753H
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 #753H	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	42.05	150.7	135.9	202.9	195.9	6.98	29.068	
100.0	100.0	99.0	99.0	3.1	3.1	42.05	150.7	135.9	202.9	195.7	7.22	28.088	
200.0	200.0	199.0	199.0	3.2	3.2	42.05	150.7	135.9	202.9	195.5	7.47	27.179	
300.0	300.0	299.0	299.0	3.4	3.4	42.05	150.7	135.9	202.9	195.2	7.70	26.346	
400.0	400.0	399.0	399.0	3.5	3.5	42.05	150.7	135.9	202.9	195.0	7.93	25.577	
500.0	500.0	499.0	499.0	3.6	3.6	42.05	150.7	135.9	202.9	194.8	8.16	24.862	
600.0	600.0	599.0	599.0	3.7	3.7	42.05	150.7	135.9	202.9	194.5	8.39	24.197	
700.0	700.0	699.0	699.0	3.9	3.9	42.05	150.7	135.9	202.9	194.3	8.61	23.574	
800.0	800.0	799.0	799.0	4.0	4.0	42.05	150.7	135.9	202.9	194.1	8.83	22.990	
900.0	900.0	899.0	899.0	4.1	4.1	42.05	150.7	135.9	202.9	193.9	9.04	22.441	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	42.05	150.7	135.9	202.9	193.7	9.26	21.924	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	42.05	150.7	135.9	202.9	193.5	9.47	21.434	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	42.05	150.7	135.9	202.9	193.2	9.68	20.971	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	42.05	150.7	135.9	202.9	193.0	9.88	20.531	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	42.05	150.7	135.9	202.9	192.8	10.09	20.113	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	42.05	150.7	135.9	202.9	192.6	10.29	19.715 CC, ES	
1,600.0	1,600.0	1,593.9	1,593.9	5.0	4.9	42.33	150.9	137.4	204.1	193.9	10.27	19.885	
1,700.0	1,700.0	1,688.6	1,688.5	5.1	5.0	43.17	151.4	142.1	207.9	197.3	10.60	19.608	
1,800.0	1,800.0	1,782.9	1,782.4	5.3	5.2	44.50	152.4	149.8	214.3	203.4	10.94	19.580	
1,900.0	1,900.0	1,881.3	1,880.3	5.4	5.5	46.15	153.6	159.9	222.5	211.3	11.27	19.746	
2,000.0	2,000.0	1,980.8	1,979.3	5.6	5.7	47.70	154.9	170.2	231.0	219.4	11.61	19.904	
2,100.0	2,100.0	2,080.2	2,078.2	5.7	5.9	49.14	156.2	180.6	239.6	227.7	11.96	20.039	
2,200.0	2,200.0	2,179.7	2,177.1	5.8	6.2	50.49	157.4	190.9	248.4	236.1	12.33	20.151	
2,300.0	2,300.0	2,279.2	2,276.0	6.0	6.5	51.74	158.7	201.2	257.3	244.6	12.71	20.243	
2,400.0	2,400.0	2,378.6	2,374.9	6.1	6.8	52.90	160.0	211.5	266.3	253.2	13.11	20.316	
2,500.0	2,500.0	2,478.1	2,473.8	6.2	7.1	53.99	161.2	221.8	275.4	261.9	13.52	20.372	
2,600.0	2,600.0	2,577.5	2,572.7	6.3	7.4	55.01	162.5	232.2	284.6	270.6	13.94	20.413	
2,700.0	2,700.0	2,677.0	2,671.6	6.5	7.7	55.97	163.8	242.5	293.9	279.5	14.38	20.441	
2,800.0	2,800.0	2,776.4	2,770.5	6.6	8.0	56.86	165.0	252.8	303.2	288.4	14.82	20.457	
2,900.0	2,900.0	2,875.9	2,869.4	6.7	8.4	57.70	166.3	263.1	312.7	297.4	15.28	20.464	
3,000.0	3,000.0	2,975.3	2,968.3	6.8	8.7	58.50	167.6	273.4	322.1	306.4	15.74	20.463	
3,100.0	3,100.0	3,074.8	3,067.2	7.0	9.0	59.25	168.8	283.7	331.7	315.5	16.22	20.455	
3,200.0	3,200.0	3,174.2	3,166.1	7.1	9.4	59.95	170.1	294.1	341.3	324.6	16.70	20.441	
3,300.0	3,300.0	3,273.7	3,265.1	7.2	9.8	60.62	171.4	304.4	350.9	333.8	17.18	20.422	
3,400.0	3,400.0	3,373.1	3,364.0	7.3	10.1	61.25	172.6	314.7	360.6	343.0	17.68	20.400	
3,500.0	3,500.0	3,472.6	3,462.9	7.4	10.5	61.85	173.9	325.0	370.4	352.2	18.18	20.375	
3,600.0	3,600.0	3,572.0	3,561.8	7.5	10.8	62.42	175.2	335.3	380.2	361.5	18.68	20.347	
3,700.0	3,700.0	3,671.5	3,660.7	7.7	11.2	62.96	176.4	345.7	390.0	370.8	19.19	20.317	
3,800.0	3,800.0	3,770.9	3,759.6	7.8	11.6	63.47	177.7	356.0	399.8	380.1	19.71	20.286	
3,900.0	3,900.0	3,870.4	3,858.5	7.9	11.9	63.96	179.0	366.3	409.7	389.5	20.23	20.254	
4,000.0	4,000.0	3,969.8	3,957.4	8.0	12.3	64.43	180.2	376.6	419.6	398.8	20.75	20.221	
4,100.0	4,100.0	4,069.3	4,056.3	8.1	12.7	64.87	181.5	386.9	429.5	408.2	21.28	20.188	
4,200.0	4,200.0	4,172.5	4,159.0	8.2	13.1	65.30	182.8	397.4	439.3	417.5	21.80	20.147	
4,300.0	4,300.0	4,280.1	4,266.1	8.3	13.5	65.66	183.9	406.6	447.5	425.1	22.35	20.023	
4,400.0	4,400.0	4,387.9	4,373.8	8.4	13.8	65.94	184.8	413.8	453.9	431.1	22.87	19.849	
4,500.0	4,500.0	4,496.1	4,481.8	8.6	14.2	66.13	185.4	419.1	458.6	435.2	23.36	19.634	
4,600.0	4,600.0	4,604.3	4,590.0	8.7	14.5	66.25	185.8	422.3	461.5	437.7	23.80	19.393	
4,700.0	4,700.0	4,712.7	4,698.3	8.8	14.7	66.29	186.0	423.5	462.5	438.4	24.14	19.163	
4,800.0	4,800.0	4,813.4	4,799.0	8.9	14.8	66.29	186.0	423.5	462.5	438.2	24.27	19.056	
4,900.0	4,900.0	4,913.4	4,899.0	9.0	14.8	66.29	186.0	423.5	462.5	438.1	24.41	18.946	
5,000.0	5,000.0	5,013.4	4,999.0	9.1	14.9	66.29	186.0	423.5	462.5	438.0	24.55	18.836	
5,100.0	5,100.0	5,113.4	5,099.0	9.2	15.0	66.29	186.0	423.5	462.5	437.8	24.70	18.727	

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 #753H
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 #753H	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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,200.0	5,200.0	5,213.4	5,199.0	9.3	15.0	66.29	186.0	423.5	462.5	437.7	24.84	18.620	
5,300.0	5,300.0	5,313.4	5,299.0	9.4	15.1	66.29	186.0	423.5	462.5	437.5	24.98	18.513	
5,400.0	5,400.0	5,413.4	5,399.0	9.5	15.1	66.29	186.0	423.5	462.5	437.4	25.13	18.408	
5,500.0	5,500.0	5,513.4	5,499.0	9.6	15.2	66.29	186.0	423.5	462.5	437.2	25.27	18.303	
5,600.0	5,600.0	5,613.4	5,599.0	9.7	15.2	66.29	186.0	423.5	462.5	437.1	25.41	18.200	
5,700.0	5,700.0	5,713.4	5,699.0	9.8	15.3	66.29	186.0	423.5	462.5	437.0	25.56	18.098	
5,800.0	5,800.0	5,813.4	5,799.0	9.9	15.3	66.29	186.0	423.5	462.5	436.8	25.70	17.996	
5,900.0	5,900.0	5,913.4	5,899.0	10.0	15.4	66.29	186.0	423.5	462.5	436.7	25.84	17.896	
6,000.0	6,000.0	6,013.4	5,999.0	10.1	15.4	66.29	186.0	423.5	462.5	436.5	25.99	17.797	
6,100.0	6,100.0	6,113.4	6,099.0	10.2	15.5	66.29	186.0	423.5	462.5	436.4	26.13	17.698	
6,200.0	6,200.0	6,213.4	6,199.0	10.3	15.5	66.29	186.0	423.5	462.5	436.2	26.28	17.601	
6,300.0	6,300.0	6,313.4	6,299.0	10.4	15.6	66.29	186.0	423.5	462.5	436.1	26.42	17.504	
6,400.0	6,400.0	6,413.4	6,399.0	10.5	15.7	66.29	186.0	423.5	462.5	435.9	26.57	17.409	
6,500.0	6,500.0	6,513.4	6,499.0	10.6	15.7	66.29	186.0	423.5	462.5	435.8	26.71	17.314	
6,600.0	6,600.0	6,613.4	6,599.0	10.7	15.8	66.29	186.0	423.5	462.5	435.7	26.86	17.220	
6,700.0	6,700.0	6,713.4	6,699.0	10.8	15.8	66.29	186.0	423.5	462.5	435.5	27.00	17.127	
6,800.0	6,800.0	6,813.4	6,799.0	10.9	15.9	66.29	186.0	423.5	462.5	435.4	27.15	17.035	
6,900.0	6,900.0	6,913.4	6,899.0	11.0	15.9	66.29	186.0	423.5	462.5	435.2	27.30	16.944	
7,000.0	7,000.0	7,013.4	6,999.0	11.1	16.0	66.29	186.0	423.5	462.5	435.1	27.44	16.854	
7,100.0	7,100.0	7,113.4	7,099.0	11.2	16.0	66.29	186.0	423.5	462.5	434.9	27.59	16.764	
7,200.0	7,200.0	7,213.4	7,199.0	11.3	16.1	66.29	186.0	423.5	462.5	434.8	27.74	16.676	
7,300.0	7,300.0	7,313.4	7,299.0	11.4	16.2	66.29	186.0	423.5	462.5	434.6	27.88	16.588	
7,400.0	7,400.0	7,413.4	7,399.0	11.5	16.2	66.29	186.0	423.5	462.5	434.5	28.03	16.501	
7,500.0	7,500.0	7,513.4	7,499.0	11.6	16.3	66.29	186.0	423.5	462.5	434.3	28.18	16.415	
7,600.0	7,600.0	7,613.4	7,599.0	11.7	16.3	66.29	186.0	423.5	462.5	434.2	28.32	16.330	
7,700.0	7,700.0	7,713.4	7,699.0	11.8	16.4	66.29	186.0	423.5	462.5	434.0	28.47	16.245	
7,800.0	7,800.0	7,813.4	7,799.0	11.9	16.5	66.29	186.0	423.5	462.5	433.9	28.62	16.161	
7,900.0	7,900.0	7,913.4	7,899.0	12.0	16.5	66.29	186.0	423.5	462.5	433.7	28.77	16.079	
8,000.0	8,000.0	8,013.4	7,999.0	12.1	16.6	66.29	186.0	423.5	462.5	433.6	28.91	15.996	
8,100.0	8,100.0	8,113.4	8,099.0	12.2	16.6	66.29	186.0	423.5	462.5	433.5	29.06	15.915	
8,200.0	8,200.0	8,213.4	8,199.0	12.3	16.7	66.29	186.0	423.5	462.5	433.3	29.21	15.834	
8,300.0	8,300.0	8,313.4	8,299.0	12.4	16.7	66.29	186.0	423.5	462.5	433.2	29.36	15.754	
8,400.0	8,400.0	8,413.4	8,399.0	12.5	16.8	66.29	186.0	423.5	462.5	433.0	29.51	15.675	
8,500.0	8,500.0	8,513.4	8,499.0	12.6	16.9	66.29	186.0	423.5	462.5	432.9	29.65	15.597	
8,600.0	8,600.0	8,613.4	8,599.0	12.7	16.9	66.29	186.0	423.5	462.5	432.7	29.80	15.519	
8,700.0	8,700.0	8,713.4	8,699.0	12.8	17.0	66.29	186.0	423.5	462.5	432.6	29.95	15.442	
8,800.0	8,800.0	8,813.4	8,799.0	12.9	17.0	66.29	186.0	423.5	462.5	432.4	30.10	15.365	
8,900.0	8,900.0	8,913.4	8,899.0	13.0	17.1	66.29	186.0	423.5	462.5	432.3	30.25	15.290	
9,000.0	9,000.0	9,013.4	8,999.0	13.0	17.2	66.29	186.0	423.5	462.5	432.1	30.40	15.215	
9,100.0	9,100.0	9,113.4	9,099.0	13.1	17.2	66.29	186.0	423.5	462.5	432.0	30.55	15.140	
9,200.0	9,200.0	9,213.4	9,199.0	13.2	17.3	66.29	186.0	423.5	462.5	431.8	30.70	15.067	
9,300.0	9,300.0	9,313.4	9,299.0	13.3	17.3	66.29	186.0	423.5	462.5	431.7	30.85	14.994	
9,400.0	9,400.0	9,413.4	9,399.0	13.4	17.4	66.29	186.0	423.5	462.5	431.5	31.00	14.921	
9,500.0	9,500.0	9,513.4	9,499.0	13.5	17.5	66.29	186.0	423.5	462.5	431.4	31.15	14.850	
9,600.0	9,600.0	9,613.4	9,599.0	13.6	17.5	66.29	186.0	423.5	462.5	431.2	31.30	14.779	
9,700.0	9,700.0	9,713.4	9,699.0	13.7	17.6	66.29	186.0	423.5	462.5	431.1	31.45	14.708	
9,800.0	9,800.0	9,813.4	9,799.0	13.8	17.7	66.29	186.0	423.5	462.5	430.9	31.60	14.638	
9,900.0	9,900.0	9,913.4	9,899.0	13.9	17.7	66.29	186.0	423.5	462.5	430.8	31.75	14.569	
10,000.0	10,000.0	10,013.4	9,999.0	14.0	17.8	66.29	186.0	423.5	462.5	430.6	31.90	14.500	
10,100.0	10,100.0	10,113.4	10,099.0	14.1	17.8	66.29	186.0	423.5	462.5	430.5	32.05	14.432	
10,200.0	10,200.0	10,213.4	10,199.0	14.2	17.9	66.29	186.0	423.5	462.5	430.3	32.20	14.365	
10,300.0	10,300.0	10,313.4	10,299.0	14.3	18.0	66.29	186.0	423.5	462.5	430.2	32.35	14.298	

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 #753H
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 #753H	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		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)			
10,400.0	10,400.0	10,413.4	10,399.0	14.4	18.0	66.29	186.0	423.5	462.5	430.0	32.50	14.232	
10,500.0	10,500.0	10,513.4	10,499.0	14.4	18.1	66.29	186.0	423.5	462.5	429.9	32.65	14.166	
10,600.0	10,600.0	10,613.4	10,599.0	14.5	18.2	66.29	186.0	423.5	462.5	429.7	32.80	14.101	
10,700.0	10,700.0	10,713.4	10,699.0	14.6	18.2	66.29	186.0	423.5	462.5	429.6	32.95	14.036	
10,800.0	10,800.0	10,813.4	10,799.0	14.7	18.3	66.29	186.0	423.5	462.5	429.4	33.10	13.972	
10,900.0	10,900.0	10,913.4	10,899.0	14.8	18.3	66.29	186.0	423.5	462.5	429.3	33.25	13.909	
11,000.0	11,000.0	11,013.4	10,999.0	14.9	18.4	66.29	186.0	423.5	462.5	429.1	33.40	13.846	
11,100.0	11,100.0	11,113.4	11,099.0	15.0	18.5	66.29	186.0	423.5	462.5	429.0	33.56	13.783	
11,200.0	11,200.0	11,213.4	11,199.0	15.1	18.5	66.29	186.0	423.5	462.5	428.8	33.71	13.721	
11,259.5	11,259.5	11,272.9	11,258.5	15.1	18.6	66.29	186.0	423.5	462.5	428.7	33.78	13.690 SF	
11,275.0	11,275.0	11,288.4	11,274.0	15.1	18.6	-111.88	186.0	423.5	462.6	428.9	33.67	13.740	
11,300.0	11,300.0	11,313.3	11,299.0	15.1	18.6	-111.99	186.0	423.5	463.2	429.5	33.68	13.750	
11,325.0	11,324.8	11,338.2	11,323.8	15.2	18.6	-112.18	186.0	423.5	464.2	430.5	33.70	13.776	
11,350.0	11,349.5	11,362.8	11,348.5	15.2	18.6	-112.47	186.0	423.5	465.8	432.1	33.70	13.821	
11,375.0	11,373.9	11,387.2	11,372.9	15.2	18.7	-112.83	186.0	423.5	467.9	434.2	33.70	13.883	
11,400.0	11,398.0	11,411.3	11,397.0	15.2	18.7	-113.25	186.0	423.5	470.5	436.8	33.69	13.967	
11,425.0	11,421.7	11,435.1	11,420.7	15.2	18.7	-113.73	186.0	423.5	473.8	440.1	33.67	14.073	
11,450.0	11,445.0	11,455.7	11,441.3	15.2	18.7	-114.13	186.0	423.5	477.8	444.2	33.56	14.237	
11,475.0	11,467.8	11,475.0	11,460.6	15.3	18.7	-114.53	186.6	423.5	482.7	449.2	33.53	14.397	
11,500.0	11,490.0	11,485.3	11,470.9	15.3	18.7	-114.45	187.3	423.5	488.7	455.2	33.53	14.576	
11,525.0	11,511.5	11,500.0	11,485.5	15.3	18.7	-114.58	188.6	423.4	495.8	462.3	33.51	14.796	
11,550.0	11,532.4	11,511.0	11,496.5	15.3	18.7	-114.41	189.9	423.4	504.1	470.6	33.51	15.040	
11,575.0	11,552.5	11,525.0	11,510.3	15.4	18.7	-114.39	191.9	423.4	513.5	480.0	33.49	15.331	
11,600.0	11,571.9	11,532.4	11,517.6	15.4	18.7	-113.73	193.1	423.4	524.1	490.5	33.53	15.632	
11,625.0	11,590.3	11,541.4	11,526.5	15.4	18.7	-113.08	194.7	423.4	535.8	502.2	33.54	15.973	
11,650.0	11,607.9	11,550.0	11,534.9	15.4	18.7	-112.24	196.4	423.4	548.6	515.0	33.56	16.348	
11,675.0	11,624.5	11,556.3	11,541.1	15.5	18.7	-111.02	197.8	423.4	562.5	528.9	33.59	16.744	
11,700.0	11,640.1	11,562.3	11,546.9	15.5	18.7	-109.56	199.2	423.3	577.3	543.7	33.62	17.171	
11,725.0	11,654.7	11,567.3	11,551.8	15.5	18.7	-107.80	200.4	423.3	593.1	559.5	33.65	17.625	
11,750.0	11,668.2	11,575.0	11,559.2	15.6	18.7	-106.14	202.3	423.3	609.8	576.1	33.63	18.129	
11,775.0	11,680.5	11,575.0	11,559.2	15.6	18.7	-103.33	202.3	423.3	627.2	593.5	33.71	18.606	
11,800.0	11,691.8	11,575.0	11,559.2	15.6	18.7	-100.25	202.3	423.3	645.3	611.5	33.76	19.110	
11,825.0	11,701.8	11,575.0	11,559.2	15.6	18.7	-96.91	202.3	423.3	663.9	630.1	33.81	19.640	
11,850.0	11,710.6	11,575.0	11,559.2	15.7	18.7	-93.33	202.3	423.3	683.1	649.3	33.83	20.194	
11,875.0	11,718.2	11,575.0	11,559.2	15.7	18.7	-89.54	202.3	423.3	702.7	668.9	33.83	20.771	
11,900.0	11,724.5	11,575.0	11,559.2	15.7	18.7	-85.58	202.3	423.3	722.7	688.9	33.82	21.369	
11,925.0	11,729.5	11,575.0	11,559.2	15.7	18.7	-81.50	202.3	423.3	742.9	709.1	33.79	21.987	
11,950.0	11,733.3	11,575.0	11,559.2	15.7	18.7	-77.37	202.3	423.3	763.2	729.5	33.74	22.623	
11,975.0	11,735.8	11,575.0	11,559.2	15.7	18.7	-73.23	202.3	423.3	783.7	750.0	33.67	23.276	
12,000.0	11,736.9	11,575.0	11,559.2	15.7	18.7	-69.16	202.3	423.3	804.2	770.6	33.59	23.942	
12,009.5	11,737.0	11,575.0	11,559.2	15.7	18.7	-67.63	202.3	423.3	812.0	778.5	33.55	24.200	
12,083.4	11,737.0	11,566.0	11,550.5	15.8	18.7	-65.73	200.0	423.3	873.9	840.5	33.42	26.150	
12,100.0	11,737.0	11,564.5	11,549.1	15.8	18.7	-65.56	199.7	423.3	888.2	854.8	33.39	26.602	
12,200.0	11,737.0	11,550.0	11,534.9	16.0	18.7	-63.95	196.4	423.4	975.6	942.3	33.28	29.316	

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 #753H
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 #753H	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	50.25	133.9	161.0	209.4	202.5	6.98	30.002	
100.0	100.0	100.0	100.0	3.1	3.1	50.25	133.9	161.0	209.4	202.2	7.23	28.984	
200.0	200.0	200.0	200.0	3.2	3.2	50.25	133.9	161.0	209.4	202.0	7.47	28.056	
300.0	300.0	300.0	300.0	3.4	3.4	50.25	133.9	161.0	209.4	201.7	7.70	27.206	
400.0	400.0	400.0	400.0	3.5	3.5	50.25	133.9	161.0	209.4	201.5	7.93	26.422	
500.0	500.0	500.0	500.0	3.6	3.6	50.25	133.9	161.0	209.4	201.3	8.15	25.697	
600.0	600.0	600.0	600.0	3.7	3.7	50.25	133.9	161.0	209.4	201.1	8.37	25.022	
700.0	700.0	700.0	700.0	3.9	3.9	50.25	133.9	161.0	209.4	200.9	8.59	24.393	
800.0	800.0	800.0	800.0	4.0	4.0	50.25	133.9	161.0	209.4	200.6	8.80	23.804	
900.0	900.0	900.0	900.0	4.1	4.1	50.25	133.9	161.0	209.4	200.4	9.01	23.251	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	50.25	133.9	161.0	209.4	200.2	9.21	22.731	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	50.25	133.9	161.0	209.4	200.0	9.42	22.239	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	50.25	133.9	161.0	209.4	199.8	9.62	21.774	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	50.25	133.9	161.0	209.4	199.6	9.82	21.333	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	50.25	133.9	161.0	209.4	199.4	10.01	20.915	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	50.25	133.9	161.0	209.4	199.2	10.21	20.516 CC, ES	
1,600.0	1,600.0	1,594.3	1,594.3	5.0	4.9	50.49	134.1	162.6	210.8	200.6	10.19	20.687	
1,700.0	1,700.0	1,688.4	1,688.3	5.1	5.0	51.19	134.5	167.2	214.9	204.3	10.54	20.388	
1,800.0	1,800.0	1,782.1	1,781.6	5.3	5.2	52.30	135.1	174.9	221.8	210.9	10.89	20.355 SF	
1,900.0	1,900.0	1,875.2	1,874.1	5.4	5.5	53.73	136.1	185.5	231.5	220.2	11.26	20.566	
2,000.0	2,000.0	1,967.5	1,965.4	5.6	5.8	55.40	137.2	198.9	244.2	232.5	11.63	20.995	
2,100.0	2,100.0	2,063.5	2,060.0	5.7	6.1	57.22	138.7	215.4	259.3	247.3	12.01	21.588	
2,200.0	2,200.0	2,162.0	2,157.0	5.8	6.4	58.90	140.2	232.4	274.8	262.4	12.41	22.149	
2,300.0	2,300.0	2,260.5	2,254.0	6.0	6.6	60.41	141.7	249.4	290.5	277.7	12.83	22.651	
2,400.0	2,400.0	2,359.0	2,351.0	6.1	7.0	61.76	143.2	266.5	306.4	293.2	13.27	23.100	
2,500.0	2,500.0	2,457.5	2,448.0	6.2	7.3	62.97	144.6	283.5	322.5	308.8	13.72	23.500	
2,600.0	2,600.0	2,555.9	2,545.0	6.3	7.6	64.07	146.1	300.6	338.7	324.5	14.20	23.855	
2,700.0	2,700.0	2,654.4	2,641.9	6.5	8.0	65.07	147.6	317.6	355.0	340.3	14.69	24.170	
2,800.0	2,800.0	2,752.9	2,738.9	6.6	8.3	65.98	149.1	334.6	371.4	356.2	15.19	24.450	
2,900.0	2,900.0	2,851.4	2,835.9	6.7	8.7	66.82	150.6	351.7	387.9	372.2	15.70	24.699	
3,000.0	3,000.0	2,949.9	2,932.9	6.8	9.1	67.58	152.1	368.7	404.4	388.2	16.23	24.919	
3,100.0	3,100.0	3,048.3	3,029.9	7.0	9.4	68.29	153.6	385.7	421.1	404.3	16.77	25.116	
3,200.0	3,200.0	3,146.8	3,126.9	7.1	9.8	68.94	155.1	402.8	437.7	420.4	17.31	25.291	
3,300.0	3,300.0	3,245.3	3,223.9	7.2	10.2	69.55	156.6	419.8	454.5	436.6	17.86	25.447	
3,400.0	3,400.0	3,343.8	3,320.8	7.3	10.6	70.11	158.1	436.8	471.3	452.8	18.42	25.586	
3,500.0	3,500.0	3,442.3	3,417.8	7.4	11.0	70.63	159.6	453.9	488.1	469.1	18.98	25.711	
3,600.0	3,600.0	3,540.7	3,514.8	7.5	11.4	71.12	161.0	470.9	504.9	485.4	19.55	25.823	
3,700.0	3,700.0	3,639.2	3,611.8	7.7	11.8	71.58	162.5	488.0	521.8	501.7	20.13	25.923	
3,800.0	3,800.0	3,737.7	3,708.8	7.8	12.2	72.01	164.0	505.0	538.7	518.0	20.71	26.013	
3,900.0	3,900.0	3,836.2	3,805.8	7.9	12.6	72.41	165.5	522.0	555.7	534.4	21.29	26.095	
4,000.0	4,000.0	3,934.7	3,902.7	8.0	13.1	72.79	167.0	539.1	572.7	550.8	21.88	26.169	
4,100.0	4,100.0	4,033.2	3,999.7	8.1	13.5	73.14	168.5	556.1	589.7	567.2	22.48	26.235	
4,200.0	4,200.0	4,131.6	4,096.7	8.2	13.9	73.48	170.0	573.1	606.7	583.6	23.07	26.296	
4,300.0	4,300.0	4,230.1	4,193.7	8.3	14.3	73.80	171.5	590.2	623.7	600.0	23.67	26.350	
4,400.0	4,400.0	4,328.6	4,290.7	8.4	14.7	74.10	173.0	607.2	640.8	616.5	24.27	26.400	
4,500.0	4,500.0	4,427.1	4,387.7	8.6	15.2	74.39	174.5	624.2	657.8	632.9	24.87	26.445	
4,600.0	4,600.0	4,525.6	4,484.7	8.7	15.6	74.66	175.9	641.3	674.9	649.4	25.48	26.487	
4,700.0	4,700.0	4,624.0	4,581.6	8.8	16.0	74.92	177.4	658.3	692.0	665.9	26.08	26.534	
4,800.0	4,800.0	4,728.2	4,684.3	8.9	16.4	75.17	179.0	676.0	708.8	682.1	26.70	26.542	
4,900.0	4,900.0	4,833.4	4,788.1	9.0	16.9	75.40	180.5	692.8	724.6	697.3	27.35	26.499	
5,000.0	5,000.0	4,938.9	4,892.4	9.1	17.3	75.61	181.9	708.8	739.6	711.7	27.98	26.432	
5,100.0	5,100.0	5,044.7	4,997.1	9.2	17.8	75.80	183.2	723.9	753.7	725.1	28.61	26.344	

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 #753H
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 #753H	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	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,200.0	5,150.7	5,102.2	9.3	18.2	75.97	184.4	738.0	766.9	737.7	29.23	26.236	
5,300.0	5,300.0	5,257.0	5,207.7	9.4	18.7	76.12	185.6	751.2	779.2	749.4	29.85	26.109	
5,400.0	5,400.0	5,363.6	5,313.5	9.5	19.1	76.26	186.6	763.4	790.6	760.2	30.45	25.966	
5,500.0	5,500.0	5,470.4	5,419.7	9.6	19.5	76.39	187.6	774.7	801.1	770.1	31.04	25.809	
5,600.0	5,600.0	5,577.3	5,526.1	9.7	19.9	76.50	188.5	785.0	810.7	779.1	31.62	25.637	
5,700.0	5,700.0	5,684.5	5,632.9	9.8	20.3	76.59	189.3	794.3	819.4	787.2	32.19	25.454	
5,800.0	5,800.0	5,791.8	5,739.9	9.9	20.7	76.68	190.1	802.7	827.1	794.3	32.74	25.260	
5,900.0	5,900.0	5,899.3	5,847.1	10.0	21.1	76.75	190.7	810.1	833.9	800.6	33.28	25.056	
6,000.0	6,000.0	6,006.9	5,954.5	10.1	21.5	76.81	191.3	816.4	839.8	806.0	33.80	24.845	
6,100.0	6,100.0	6,114.6	6,062.1	10.2	21.9	76.87	191.7	821.8	844.7	810.4	34.30	24.627	
6,200.0	6,200.0	6,222.4	6,169.8	10.3	22.2	76.91	192.1	826.2	848.8	814.0	34.78	24.405	
6,300.0	6,300.0	6,330.3	6,277.6	10.4	22.6	76.94	192.4	829.5	851.9	816.6	35.23	24.182	
6,400.0	6,400.0	6,438.2	6,385.5	10.5	22.9	76.96	192.6	831.9	854.0	818.4	35.64	23.961	
6,500.0	6,500.0	6,546.2	6,493.5	10.6	23.1	76.98	192.7	833.2	855.2	819.2	36.01	23.753	
6,600.0	6,600.0	6,652.7	6,600.0	10.7	23.3	76.98	192.8	833.6	855.6	819.3	36.23	23.614	
6,700.0	6,700.0	6,752.7	6,700.0	10.8	23.3	76.98	192.8	833.6	855.6	819.2	36.32	23.554	
6,800.0	6,800.0	6,852.7	6,800.0	10.9	23.3	76.98	192.8	833.6	855.6	819.1	36.42	23.489	
6,900.0	6,900.0	6,952.7	6,900.0	11.0	23.4	76.98	192.8	833.6	855.6	819.0	36.53	23.423	
7,000.0	7,000.0	7,052.7	7,000.0	11.1	23.4	76.98	192.8	833.6	855.6	818.9	36.63	23.358	
7,100.0	7,100.0	7,152.7	7,100.0	11.2	23.4	76.98	192.8	833.6	855.6	818.8	36.73	23.293	
7,200.0	7,200.0	7,252.7	7,200.0	11.3	23.5	76.98	192.8	833.6	855.6	818.7	36.83	23.228	
7,300.0	7,300.0	7,352.7	7,300.0	11.4	23.5	76.98	192.8	833.6	855.6	818.6	36.94	23.163	
7,400.0	7,400.0	7,452.7	7,400.0	11.5	23.5	76.98	192.8	833.6	855.6	818.5	37.04	23.098	
7,500.0	7,500.0	7,552.7	7,500.0	11.6	23.6	76.98	192.8	833.6	855.6	818.4	37.14	23.033	
7,600.0	7,600.0	7,652.7	7,600.0	11.7	23.6	76.98	192.8	833.6	855.6	818.3	37.25	22.969	
7,700.0	7,700.0	7,752.7	7,700.0	11.8	23.6	76.98	192.8	833.6	855.6	818.2	37.35	22.904	
7,800.0	7,800.0	7,852.7	7,800.0	11.9	23.7	76.98	192.8	833.6	855.6	818.1	37.46	22.840	
7,900.0	7,900.0	7,952.7	7,900.0	12.0	23.7	76.98	192.8	833.6	855.6	818.0	37.56	22.775	
8,000.0	8,000.0	8,052.7	8,000.0	12.1	23.8	76.98	192.8	833.6	855.6	817.9	37.67	22.711	
8,100.0	8,100.0	8,152.7	8,100.0	12.2	23.8	76.98	192.8	833.6	855.6	817.8	37.78	22.647	
8,200.0	8,200.0	8,252.7	8,200.0	12.3	23.8	76.98	192.8	833.6	855.6	817.7	37.88	22.583	
8,300.0	8,300.0	8,352.7	8,300.0	12.4	23.9	76.98	192.8	833.6	855.6	817.6	37.99	22.520	
8,400.0	8,400.0	8,452.7	8,400.0	12.5	23.9	76.98	192.8	833.6	855.6	817.5	38.10	22.456	
8,500.0	8,500.0	8,552.7	8,500.0	12.6	23.9	76.98	192.8	833.6	855.6	817.4	38.21	22.392	
8,600.0	8,600.0	8,652.7	8,600.0	12.7	24.0	76.98	192.8	833.6	855.6	817.2	38.32	22.329	
8,700.0	8,700.0	8,752.7	8,700.0	12.8	24.0	76.98	192.8	833.6	855.6	817.1	38.42	22.266	
8,800.0	8,800.0	8,852.7	8,800.0	12.9	24.0	76.98	192.8	833.6	855.6	817.0	38.53	22.203	
8,900.0	8,900.0	8,952.7	8,900.0	13.0	24.1	76.98	192.8	833.6	855.6	816.9	38.64	22.140	
9,000.0	9,000.0	9,052.7	9,000.0	13.0	24.1	76.98	192.8	833.6	855.6	816.8	38.75	22.077	
9,100.0	9,100.0	9,152.7	9,100.0	13.1	24.2	76.98	192.8	833.6	855.6	816.7	38.86	22.014	
9,200.0	9,200.0	9,252.7	9,200.0	13.2	24.2	76.98	192.8	833.6	855.6	816.6	38.97	21.952	
9,300.0	9,300.0	9,352.7	9,300.0	13.3	24.2	76.98	192.8	833.6	855.6	816.5	39.09	21.889	
9,400.0	9,400.0	9,452.7	9,400.0	13.4	24.3	76.98	192.8	833.6	855.6	816.4	39.20	21.827	
9,500.0	9,500.0	9,552.7	9,500.0	13.5	24.3	76.98	192.8	833.6	855.6	816.3	39.31	21.765	
9,600.0	9,600.0	9,652.7	9,600.0	13.6	24.4	76.98	192.8	833.6	855.6	816.1	39.42	21.703	
9,700.0	9,700.0	9,752.7	9,700.0	13.7	24.4	76.98	192.8	833.6	855.6	816.0	39.53	21.641	
9,800.0	9,800.0	9,852.7	9,800.0	13.8	24.4	76.98	192.8	833.6	855.6	815.9	39.65	21.580	
9,900.0	9,900.0	9,952.7	9,900.0	13.9	24.5	76.98	192.8	833.6	855.6	815.8	39.76	21.519	
10,000.0	10,000.0	10,052.7	10,000.0	14.0	24.5	76.98	192.8	833.6	855.6	815.7	39.87	21.457	
10,100.0	10,100.0	10,152.7	10,100.0	14.1	24.6	76.98	192.8	833.6	855.6	815.6	39.99	21.396	
10,200.0	10,200.0	10,252.7	10,200.0	14.2	24.6	76.98	192.8	833.6	855.6	815.5	40.10	21.335	
10,300.0	10,300.0	10,352.7	10,300.0	14.3	24.6	76.98	192.8	833.6	855.6	815.3	40.21	21.275	

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 #753H
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 #753H	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		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		
10,400.0	10,400.0	10,452.7	10,400.0	14.4	24.7	76.98	192.8	833.6	855.6	815.2	40.33	21.214		
10,500.0	10,500.0	10,552.7	10,500.0	14.4	24.7	76.98	192.8	833.6	855.6	815.1	40.44	21.154		
10,600.0	10,600.0	10,652.7	10,600.0	14.5	24.8	76.98	192.8	833.6	855.6	815.0	40.56	21.094		
10,700.0	10,700.0	10,752.7	10,700.0	14.6	24.8	76.98	192.8	833.6	855.6	814.9	40.68	21.034		
10,800.0	10,800.0	10,852.7	10,800.0	14.7	24.8	76.98	192.8	833.6	855.6	814.8	40.79	20.974		
10,900.0	10,900.0	10,952.7	10,900.0	14.8	24.9	76.98	192.8	833.6	855.6	814.7	40.91	20.914		
11,000.0	11,000.0	11,052.7	11,000.0	14.9	24.9	76.98	192.8	833.6	855.6	814.5	41.02	20.855		
11,100.0	11,100.0	11,152.7	11,100.0	15.0	25.0	76.98	192.8	833.6	855.6	814.4	41.14	20.795		
11,200.0	11,200.0	11,252.7	11,200.0	15.1	25.0	76.98	192.8	833.6	855.6	814.3	41.26	20.736		
11,259.5	11,259.5	11,312.2	11,259.5	15.1	25.0	76.98	192.8	833.6	855.6	814.2	41.31	20.708		
11,275.0	11,275.0	11,325.0	11,272.3	15.1	25.0	-101.18	192.9	833.6	855.6	814.5	41.11	20.814		
11,300.0	11,300.0	11,341.8	11,289.1	15.1	25.0	-101.24	193.6	833.6	856.1	815.0	41.14	20.813		
11,325.0	11,324.8	11,359.4	11,306.6	15.2	25.0	-101.34	194.9	833.5	857.1	816.0	41.15	20.827		
11,350.0	11,349.5	11,375.0	11,322.1	15.2	25.0	-101.44	196.6	833.5	858.6	817.4	41.18	20.852		
11,375.0	11,373.9	11,392.8	11,339.8	15.2	25.0	-101.61	199.2	833.5	860.6	819.4	41.18	20.896		
11,400.0	11,398.0	11,408.4	11,355.1	15.2	25.0	-101.75	202.0	833.5	863.1	821.9	41.19	20.953		
11,425.0	11,421.7	11,425.0	11,371.3	15.2	25.0	-101.94	205.6	833.4	866.2	825.0	41.19	21.031		
11,450.0	11,445.0	11,436.6	11,382.6	15.2	25.0	-101.93	208.4	833.4	870.0	828.8	41.20	21.116		
11,475.0	11,467.8	11,450.0	11,395.5	15.3	25.0	-101.96	211.9	833.4	874.4	833.2	41.20	21.225		
11,500.0	11,490.0	11,460.6	11,405.6	15.3	25.0	-101.83	215.0	833.4	879.6	838.4	41.20	21.348		
11,525.0	11,511.5	11,475.0	11,419.3	15.3	25.0	-101.83	219.6	833.3	885.4	844.3	41.17	21.506		
11,550.0	11,532.4	11,480.1	11,424.1	15.3	25.0	-101.30	221.3	833.3	892.0	850.8	41.19	21.657		
11,575.0	11,552.5	11,488.2	11,431.7	15.4	25.0	-100.83	224.1	833.3	899.4	858.2	41.18	21.841		
11,600.0	11,571.9	11,500.0	11,442.7	15.4	25.0	-100.51	228.5	833.2	907.5	866.4	41.13	22.064		
11,625.0	11,590.3	11,500.0	11,442.7	15.4	25.0	-99.39	228.5	833.2	916.3	875.2	41.15	22.266		
11,650.0	11,607.9	11,506.4	11,448.6	15.4	25.1	-98.56	230.9	833.2	925.9	884.8	41.12	22.516		
11,675.0	11,624.5	11,510.6	11,452.4	15.5	25.1	-97.48	232.6	833.2	936.2	895.1	41.10	22.781		
11,700.0	11,640.1	11,513.9	11,455.5	15.5	25.1	-96.25	233.9	833.2	947.1	906.1	41.06	23.065		
11,725.0	11,654.7	11,516.5	11,457.8	15.5	25.1	-94.85	235.0	833.2	958.7	917.7	41.03	23.368		
11,750.0	11,668.2	11,518.2	11,459.4	15.6	25.1	-93.30	235.7	833.2	970.9	929.9	40.98	23.690		
11,775.0	11,680.5	11,525.0	11,465.5	15.6	25.1	-91.99	238.5	833.1	983.7	942.8	40.88	24.059		
11,800.0	11,691.8	11,525.0	11,465.5	15.6	25.1	-90.12	238.5	833.1	996.9	956.0	40.83	24.414		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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	57.82	117.2	186.2	220.0	213.0	6.98	31.518	
100.0	100.0	100.0	100.0	3.1	3.1	57.82	117.2	186.2	220.0	212.8	7.23	30.451	
200.0	200.0	200.0	200.0	3.2	3.2	57.82	117.2	186.2	220.0	212.6	7.46	29.481	
300.0	300.0	300.0	300.0	3.4	3.4	57.82	117.2	186.2	220.0	212.3	7.69	28.596	
400.0	400.0	400.0	400.0	3.5	3.5	57.82	117.2	186.2	220.0	212.1	7.92	27.782	
500.0	500.0	500.0	500.0	3.6	3.6	57.82	117.2	186.2	220.0	211.9	8.14	27.031	
600.0	600.0	600.0	600.0	3.7	3.7	57.82	117.2	186.2	220.0	211.7	8.36	26.334	
700.0	700.0	700.0	700.0	3.9	3.9	57.82	117.2	186.2	220.0	211.5	8.57	25.685	
800.0	800.0	800.0	800.0	4.0	4.0	57.82	117.2	186.2	220.0	211.3	8.77	25.079	
900.0	900.0	900.0	900.0	4.1	4.1	57.82	117.2	186.2	220.0	211.1	8.98	24.511	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	57.82	117.2	186.2	220.0	210.9	9.18	23.977	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	57.82	117.2	186.2	220.0	210.7	9.37	23.473	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	57.82	117.2	186.2	220.0	210.5	9.57	22.997	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	57.82	117.2	186.2	220.0	210.3	9.76	22.547	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	57.82	117.2	186.2	220.0	210.1	9.95	22.119	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	57.82	117.2	186.2	220.0	209.9	10.13	21.713 CC, ES	
1,600.0	1,600.0	1,593.7	1,593.7	5.0	4.9	58.01	117.3	187.8	221.5	211.3	10.12	21.882	
1,700.0	1,700.0	1,687.2	1,687.0	5.1	5.0	58.58	117.5	192.3	225.8	215.3	10.48	21.541	
1,800.0	1,800.0	1,780.2	1,779.8	5.3	5.2	59.47	117.9	199.9	233.0	222.1	10.85	21.478 SF	
1,900.0	1,900.0	1,872.7	1,871.7	5.4	5.5	60.62	118.4	210.4	243.1	231.9	11.22	21.671	
2,000.0	2,000.0	1,964.5	1,962.4	5.6	5.8	61.96	119.1	223.7	256.3	244.7	11.60	22.088	
2,100.0	2,100.0	2,055.2	2,051.8	5.7	6.1	63.42	120.0	239.8	272.4	260.4	12.00	22.708	
2,200.0	2,200.0	2,144.9	2,139.5	5.8	6.4	64.92	121.0	258.4	291.7	279.3	12.41	23.510	
2,300.0	2,300.0	2,236.7	2,228.7	6.0	6.7	66.45	122.1	280.1	313.8	300.9	12.83	24.447	
2,400.0	2,400.0	2,333.7	2,322.8	6.1	7.0	67.89	123.3	303.5	336.6	323.3	13.29	25.327	
2,500.0	2,500.0	2,430.8	2,417.0	6.2	7.4	69.15	124.6	327.0	359.6	345.8	13.77	26.119	
2,600.0	2,600.0	2,527.8	2,511.1	6.3	7.7	70.25	125.8	350.4	382.8	368.5	14.27	26.831	
2,700.0	2,700.0	2,624.8	2,605.3	6.5	8.1	71.23	127.0	373.8	406.0	391.3	14.78	27.471	
2,800.0	2,800.0	2,721.9	2,699.4	6.6	8.4	72.11	128.2	397.3	429.4	414.1	15.31	28.045	
2,900.0	2,900.0	2,818.9	2,793.6	6.7	8.8	72.90	129.5	420.7	452.9	437.0	15.86	28.562	
3,000.0	3,000.0	2,915.9	2,887.7	6.8	9.2	73.60	130.7	444.2	476.4	460.0	16.41	29.026	
3,100.0	3,100.0	3,012.9	2,981.9	7.0	9.6	74.24	131.9	467.6	500.0	483.0	16.98	29.445	
3,200.0	3,200.0	3,110.0	3,076.0	7.1	10.0	74.83	133.2	491.1	523.7	506.1	17.56	29.823	
3,300.0	3,300.0	3,207.0	3,170.1	7.2	10.4	75.36	134.4	514.5	547.4	529.2	18.15	30.165	
3,400.0	3,400.0	3,304.0	3,264.3	7.3	10.8	75.85	135.6	537.9	571.1	552.4	18.74	30.475	
3,500.0	3,500.0	3,401.1	3,358.4	7.4	11.2	76.30	136.8	561.4	594.9	575.6	19.34	30.756	
3,600.0	3,600.0	3,498.1	3,452.6	7.5	11.6	76.72	138.1	584.8	618.7	598.8	19.95	31.011	
3,700.0	3,700.0	3,595.1	3,546.7	7.7	12.1	77.10	139.3	608.3	642.6	622.0	20.57	31.244	
3,800.0	3,800.0	3,692.1	3,640.9	7.8	12.5	77.46	140.5	631.7	666.4	645.2	21.19	31.457	
3,900.0	3,900.0	3,789.2	3,735.0	7.9	12.9	77.79	141.8	655.1	690.3	668.5	21.81	31.651	
4,000.0	4,000.0	3,886.2	3,829.2	8.0	13.4	78.10	143.0	678.6	714.2	691.8	22.44	31.830	
4,100.0	4,100.0	3,983.2	3,923.3	8.1	13.8	78.39	144.2	702.0	738.1	715.1	23.07	31.994	
4,200.0	4,200.0	4,080.3	4,017.5	8.2	14.3	78.66	145.4	725.5	762.1	738.4	23.71	32.145	
4,300.0	4,300.0	4,177.3	4,111.6	8.3	14.7	78.92	146.7	748.9	786.0	761.7	24.35	32.284	
4,400.0	4,400.0	4,274.3	4,205.8	8.4	15.1	79.16	147.9	772.3	810.0	785.0	24.99	32.413	
4,500.0	4,500.0	4,371.4	4,299.9	8.6	15.6	79.39	149.1	795.8	834.0	808.4	25.64	32.532	
4,600.0	4,600.0	4,468.4	4,394.1	8.7	16.0	79.60	150.4	819.2	858.0	831.7	26.28	32.642	
4,700.0	4,700.0	4,565.4	4,488.2	8.8	16.5	79.80	151.6	842.7	882.0	855.1	26.94	32.745	
4,800.0	4,800.0	4,662.4	4,582.4	8.9	16.9	79.99	152.8	866.1	906.0	878.4	27.59	32.840	
4,900.0	4,900.0	4,759.5	4,676.5	9.0	17.4	80.18	154.0	889.6	930.0	901.8	28.24	32.928	
5,000.0	5,000.0	4,856.5	4,770.7	9.1	17.9	80.35	155.3	913.0	954.1	925.2	28.90	33.011	
5,100.0	5,100.0	4,953.5	4,864.8	9.2	18.3	80.51	156.5	936.4	978.1	948.6	29.56	33.088	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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	64.61	100.3	211.3	233.9	226.9	6.98	33.500		
100.0	100.0	100.0	100.0	3.1	3.1	64.61	100.3	211.3	233.9	226.6	7.23	32.367		
200.0	200.0	200.0	200.0	3.2	3.2	64.61	100.3	211.3	233.9	226.4	7.46	31.341		
300.0	300.0	300.0	300.0	3.4	3.4	64.61	100.3	211.3	233.9	226.2	7.69	30.407		
400.0	400.0	400.0	400.0	3.5	3.5	64.61	100.3	211.3	233.9	225.9	7.91	29.550		
500.0	500.0	500.0	500.0	3.6	3.6	64.61	100.3	211.3	233.9	225.7	8.13	28.761		
600.0	600.0	600.0	600.0	3.7	3.7	64.61	100.3	211.3	233.9	225.5	8.34	28.030		
700.0	700.0	700.0	700.0	3.9	3.9	64.61	100.3	211.3	233.9	225.3	8.55	27.351		
800.0	800.0	800.0	800.0	4.0	4.0	64.61	100.3	211.3	233.9	225.1	8.75	26.717		
900.0	900.0	900.0	900.0	4.1	4.1	64.61	100.3	211.3	233.9	224.9	8.95	26.124		
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	64.61	100.3	211.3	233.9	224.7	9.15	25.568		
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	64.61	100.3	211.3	233.9	224.5	9.34	25.044		
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	64.61	100.3	211.3	233.9	224.3	9.53	24.549		
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	64.61	100.3	211.3	233.9	224.2	9.71	24.081		
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	64.61	100.3	211.3	233.9	224.0	9.89	23.638		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	64.61	100.3	211.3	233.9	223.8	10.07	23.216 CC, ES		
1,600.0	1,600.0	1,593.0	1,593.0	5.0	4.9	64.77	100.3	212.8	235.3	225.3	10.06	23.383		
1,700.0	1,700.0	1,685.9	1,685.8	5.1	5.0	65.21	100.4	217.3	239.8	229.4	10.43	22.985		
1,800.0	1,800.0	1,778.4	1,777.9	5.3	5.2	65.91	100.5	224.8	247.2	236.4	10.81	22.876 SF		
1,900.0	1,900.0	1,870.2	1,869.2	5.4	5.5	66.82	100.7	235.2	257.7	246.5	11.19	23.033		
2,000.0	2,000.0	1,961.4	1,959.4	5.6	5.8	67.89	100.9	248.3	271.1	259.5	11.58	23.419		
2,100.0	2,100.0	2,051.6	2,048.2	5.7	6.1	69.04	101.2	264.2	287.6	275.6	11.98	24.013		
2,200.0	2,200.0	2,140.7	2,135.3	5.8	6.4	70.24	101.5	282.6	307.2	294.8	12.39	24.791		
2,300.0	2,300.0	2,228.5	2,220.7	6.0	6.7	71.44	101.9	303.4	329.7	316.9	12.81	25.732		
2,400.0	2,400.0	2,316.8	2,305.8	6.1	7.1	72.62	102.3	326.9	355.2	342.0	13.25	26.805		
2,500.0	2,500.0	2,412.9	2,398.2	6.2	7.4	73.79	102.7	353.4	381.8	368.1	13.73	27.803		
2,600.0	2,600.0	2,509.0	2,490.6	6.3	7.7	74.80	103.2	379.8	408.5	394.3	14.23	28.700		
2,700.0	2,700.0	2,605.2	2,583.0	6.5	8.1	75.69	103.7	406.3	435.4	420.6	14.76	29.506		
2,800.0	2,800.0	2,701.3	2,675.4	6.6	8.4	76.47	104.1	432.8	462.3	447.0	15.29	30.228		
2,900.0	2,900.0	2,797.4	2,767.8	6.7	8.8	77.17	104.6	459.3	489.3	473.4	15.85	30.877		
3,000.0	3,000.0	2,893.5	2,860.2	6.8	9.2	77.80	105.1	485.8	516.3	499.9	16.41	31.461		
3,100.0	3,100.0	2,989.7	2,952.6	7.0	9.6	78.36	105.5	512.3	543.4	526.4	16.99	31.986		
3,200.0	3,200.0	3,085.8	3,045.0	7.1	10.0	78.87	106.0	538.8	570.6	553.0	17.58	32.460		
3,300.0	3,300.0	3,181.9	3,137.4	7.2	10.4	79.34	106.4	565.3	597.8	579.6	18.18	32.889		
3,400.0	3,400.0	3,278.0	3,229.8	7.3	10.8	79.76	106.9	591.8	625.0	606.2	18.78	33.276		
3,500.0	3,500.0	3,374.2	3,322.2	7.4	11.2	80.15	107.4	618.3	652.2	632.8	19.40	33.628		
3,600.0	3,600.0	3,470.3	3,414.6	7.5	11.7	80.51	107.8	644.8	679.5	659.5	20.02	33.948		
3,700.0	3,700.0	3,566.4	3,507.0	7.7	12.1	80.84	108.3	671.3	706.8	686.2	20.64	34.239		
3,800.0	3,800.0	3,662.5	3,599.4	7.8	12.5	81.14	108.8	697.8	734.1	712.8	21.28	34.505		
3,900.0	3,900.0	3,758.7	3,691.8	7.9	13.0	81.42	109.2	724.2	761.4	739.5	21.91	34.748		
4,000.0	4,000.0	3,854.8	3,784.2	8.0	13.4	81.69	109.7	750.7	788.8	766.2	22.56	34.971		
4,100.0	4,100.0	3,950.9	3,876.6	8.1	13.9	81.93	110.1	777.2	816.2	793.0	23.20	35.175		
4,200.0	4,200.0	4,047.1	3,969.0	8.2	14.3	82.16	110.6	803.7	843.5	819.7	23.85	35.363		
4,300.0	4,300.0	4,143.2	4,061.4	8.3	14.8	82.38	111.1	830.2	870.9	846.4	24.51	35.536		
4,400.0	4,400.0	4,239.3	4,153.8	8.4	15.2	82.58	111.5	856.7	898.3	873.2	25.17	35.696		
4,500.0	4,500.0	4,335.4	4,246.2	8.6	15.7	82.77	112.0	883.2	925.7	899.9	25.83	35.844		
4,600.0	4,600.0	4,431.6	4,338.6	8.7	16.1	82.95	112.5	909.7	953.1	926.7	26.49	35.981		
4,700.0	4,700.0	4,527.7	4,431.0	8.8	16.6	83.12	112.9	936.2	980.6	953.4	27.16	36.108		

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-56.10	33.6	-50.0	60.3	53.3	6.98	8.638	
100.0	100.0	98.0	98.0	3.1	3.1	-56.10	33.6	-50.0	60.2	53.0	7.22	8.342	
200.0	200.0	198.0	198.0	3.2	3.2	-56.10	33.6	-50.0	60.2	52.8	7.46	8.074	
300.0	300.0	298.0	298.0	3.4	3.4	-56.10	33.6	-50.0	60.2	52.5	7.69	7.831	
400.0	400.0	398.0	398.0	3.5	3.5	-56.10	33.6	-50.0	60.2	52.3	7.92	7.607	
500.0	500.0	498.0	498.0	3.6	3.6	-56.10	33.6	-50.0	60.2	52.1	8.14	7.401	
600.0	600.0	598.0	598.0	3.7	3.7	-56.10	33.6	-50.0	60.2	51.9	8.36	7.209	
700.0	700.0	698.0	698.0	3.9	3.9	-56.10	33.6	-50.0	60.2	51.7	8.57	7.030	
800.0	800.0	798.0	798.0	4.0	4.0	-56.10	33.6	-50.0	60.2	51.5	8.78	6.864	
900.0	900.0	898.0	898.0	4.1	4.1	-56.10	33.6	-50.0	60.2	51.3	8.98	6.707	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	-56.10	33.6	-50.0	60.2	51.1	9.18	6.560	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	-56.10	33.6	-50.0	60.2	50.9	9.38	6.421	
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	-56.10	33.6	-50.0	60.2	50.7	9.58	6.290	
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	-56.10	33.6	-50.0	60.2	50.5	9.77	6.166	
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	-56.10	33.6	-50.0	60.2	50.3	9.96	6.048	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	-56.10	33.6	-50.0	60.2	50.1	10.15	5.936 CC, ES	
1,600.0	1,600.0	1,597.5	1,597.5	5.0	5.0	-57.63	32.5	-51.2	60.6	50.6	10.06	6.027	
1,700.0	1,700.0	1,696.8	1,696.6	5.1	5.2	-62.18	29.0	-54.9	62.1	51.8	10.34	6.012	
1,800.0	1,800.0	1,795.5	1,795.0	5.3	5.4	-69.21	23.2	-61.1	65.5	54.8	10.62	6.165	
1,900.0	1,900.0	1,893.6	1,892.4	5.4	5.7	-77.72	15.2	-69.7	71.6	60.6	10.95	6.537	
2,000.0	2,000.0	1,990.8	1,988.4	5.6	6.0	-86.45	5.0	-80.7	81.4	70.0	11.36	7.165	
2,100.0	2,100.0	2,086.8	2,082.7	5.7	6.3	-94.42	-7.2	-93.8	95.3	83.5	11.83	8.055	
2,200.0	2,200.0	2,181.5	2,175.1	5.8	6.7	-101.12	-21.4	-109.0	113.4	101.1	12.34	9.191	
2,300.0	2,300.0	2,277.9	2,268.7	6.0	7.0	-106.49	-37.3	-126.0	134.7	121.8	12.86	10.471	
2,400.0	2,400.0	2,375.0	2,362.8	6.1	7.3	-110.42	-53.3	-143.2	156.8	143.4	13.38	11.716	
2,500.0	2,500.0	2,472.0	2,457.0	6.2	7.6	-113.38	-69.3	-160.4	179.5	165.5	13.91	12.899	
2,600.0	2,600.0	2,569.0	2,551.1	6.3	8.0	-115.67	-85.3	-177.5	202.5	188.0	14.45	14.011	
2,700.0	2,700.0	2,666.1	2,645.3	6.5	8.3	-117.50	-101.3	-194.7	225.7	210.7	15.00	15.050	
2,800.0	2,800.0	2,763.1	2,739.4	6.6	8.7	-118.98	-117.3	-211.9	249.2	233.6	15.56	16.018	
2,900.0	2,900.0	2,860.1	2,833.6	6.7	9.0	-120.21	-133.3	-229.0	272.7	256.6	16.12	16.918	
3,000.0	3,000.0	2,957.1	2,927.7	6.8	9.4	-121.24	-149.4	-246.2	296.4	279.7	16.70	17.754	
3,100.0	3,100.0	3,054.2	3,021.9	7.0	9.8	-122.12	-165.4	-263.4	320.2	302.9	17.28	18.530	
3,200.0	3,200.0	3,151.2	3,116.0	7.1	10.2	-122.88	-181.4	-280.5	344.0	326.1	17.87	19.252	
3,300.0	3,300.0	3,248.2	3,210.2	7.2	10.6	-123.55	-197.4	-297.7	367.8	349.4	18.46	19.922	
3,400.0	3,400.0	3,345.3	3,304.3	7.3	11.0	-124.13	-213.4	-314.9	391.7	372.7	19.07	20.546	
3,500.0	3,500.0	3,442.3	3,398.4	7.4	11.5	-124.64	-229.4	-332.0	415.7	396.0	19.67	21.128	
3,600.0	3,600.0	3,539.3	3,492.6	7.5	11.9	-125.10	-245.4	-349.2	439.6	419.3	20.29	21.670	
3,700.0	3,700.0	3,636.4	3,586.7	7.7	12.3	-125.51	-261.4	-366.4	463.6	442.7	20.91	22.176	
3,800.0	3,800.0	3,733.4	3,680.9	7.8	12.7	-125.88	-277.4	-383.5	487.6	466.1	21.53	22.649	
3,900.0	3,900.0	3,830.4	3,775.0	7.9	13.2	-126.22	-293.4	-400.7	511.7	489.5	22.16	23.093	
4,000.0	4,000.0	3,927.4	3,869.2	8.0	13.6	-126.52	-309.4	-417.9	535.7	512.9	22.79	23.508	
4,100.0	4,100.0	4,024.5	3,963.3	8.1	14.1	-126.80	-325.5	-435.0	559.7	536.3	23.42	23.898	
4,200.0	4,200.0	4,121.5	4,057.5	8.2	14.5	-127.06	-341.5	-452.2	583.8	559.8	24.06	24.265	
4,300.0	4,300.0	4,218.5	4,151.6	8.3	14.9	-127.29	-357.5	-469.4	607.9	583.2	24.70	24.610	
4,400.0	4,400.0	4,315.6	4,245.8	8.4	15.4	-127.51	-373.5	-486.5	632.0	606.6	25.35	24.935	
4,500.0	4,500.0	4,412.6	4,339.9	8.6	15.8	-127.71	-389.5	-503.7	656.1	630.1	25.99	25.241	
4,600.0	4,600.0	4,509.6	4,434.1	8.7	16.3	-127.90	-405.5	-520.9	680.2	653.5	26.64	25.531	
4,700.0	4,700.0	4,606.6	4,528.2	8.8	16.7	-128.08	-421.5	-538.0	704.3	677.0	27.29	25.805	
4,800.0	4,800.0	4,703.7	4,622.4	8.9	17.2	-128.24	-437.5	-555.2	728.4	700.4	27.94	26.065	
4,900.0	4,900.0	4,800.7	4,716.5	9.0	17.6	-128.39	-453.5	-572.4	752.5	723.9	28.60	26.311	
5,000.0	5,000.0	4,897.7	4,810.7	9.1	18.1	-128.54	-469.5	-589.5	776.6	747.4	29.26	26.544	
5,100.0	5,100.0	4,994.8	4,904.8	9.2	18.5	-128.67	-485.5	-606.7	800.7	770.8	29.92	26.766	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.0	5,200.0	5,091.8	4,999.0	9.3	19.0	-128.80	-501.6	-623.9	824.9	794.3	30.58	26.977	
5,300.0	5,300.0	5,188.8	5,093.1	9.4	19.5	-128.92	-517.6	-641.0	849.0	817.8	31.24	27.178	
5,400.0	5,400.0	5,285.9	5,187.2	9.5	19.9	-129.03	-533.6	-658.2	873.1	841.2	31.90	27.369	
5,500.0	5,500.0	5,382.9	5,281.4	9.6	20.4	-129.14	-549.6	-675.4	897.3	864.7	32.57	27.552	
5,600.0	5,600.0	5,479.9	5,375.5	9.7	20.8	-129.24	-565.6	-692.6	921.4	888.2	33.23	27.726	
5,700.0	5,700.0	5,581.0	5,473.7	9.8	21.3	-129.34	-582.2	-710.4	945.5	911.6	33.91	27.883	
5,800.0	5,800.0	5,697.9	5,587.5	9.9	21.8	-129.44	-600.4	-729.9	968.3	933.6	34.70	27.906	
5,900.0	5,900.0	5,815.8	5,702.8	10.0	22.4	-129.53	-617.1	-747.8	989.0	953.5	35.47	27.885	
11,775.0	11,680.5	11,584.7	11,457.9	15.6	27.7	64.30	-737.8	-830.2	993.7	948.4	45.36	21.908	
11,800.0	11,691.8	11,600.0	11,471.7	15.6	27.7	65.70	-744.4	-830.2	986.1	940.8	45.30	21.767	
11,825.0	11,701.8	11,600.0	11,471.7	15.6	27.7	66.60	-744.4	-830.2	978.4	933.1	45.29	21.602	
11,850.0	11,710.6	11,612.6	11,482.9	15.7	27.7	67.99	-750.2	-830.1	970.5	925.3	45.22	21.463	
11,875.0	11,718.2	11,625.0	11,493.7	15.7	27.7	69.43	-756.2	-830.1	962.6	917.5	45.13	21.328	
11,900.0	11,724.5	11,625.0	11,493.7	15.7	27.7	70.37	-756.2	-830.1	954.7	909.6	45.07	21.184	
11,925.0	11,729.5	11,639.4	11,506.2	15.7	27.7	71.96	-763.5	-830.1	946.8	901.8	44.95	21.064	
11,950.0	11,733.3	11,650.0	11,515.2	15.7	27.7	73.40	-769.1	-830.0	938.9	894.1	44.82	20.948	
11,975.0	11,735.8	11,656.6	11,520.7	15.7	27.8	74.66	-772.6	-830.0	931.2	886.5	44.69	20.838	
12,000.0	11,736.9	11,664.8	11,527.6	15.7	27.8	76.01	-777.2	-830.0	923.6	879.0	44.53	20.739	
12,009.5	11,737.0	11,667.9	11,530.1	15.7	27.8	76.52	-779.0	-830.0	920.7	876.2	44.47	20.705	
12,083.4	11,737.0	11,693.7	11,550.9	15.8	27.8	77.76	-794.2	-829.9	900.0	856.0	43.95	20.477	
12,100.0	11,737.0	11,700.0	11,555.8	15.8	27.8	78.07	-798.1	-829.8	895.7	851.9	43.83	20.438	
12,200.0	11,737.0	11,743.3	11,588.4	16.0	27.8	80.20	-826.5	-829.6	874.4	831.3	43.06	20.305	
12,300.0	11,737.0	11,796.5	11,624.8	16.3	27.8	82.60	-865.4	-829.4	860.4	818.0	42.35	20.318	
12,400.0	11,737.0	11,861.8	11,663.1	16.6	27.9	85.16	-918.2	-829.1	852.5	810.7	41.81	20.390	
12,500.0	11,737.0	11,940.6	11,699.3	16.9	27.9	87.59	-988.1	-828.6	849.2	807.6	41.59	20.417	
12,600.0	11,737.0	12,031.7	11,726.1	17.3	28.0	89.40	-1,075.0	-828.0	848.3	806.6	41.75	20.317	
12,667.5	11,737.0	12,098.0	11,735.0	17.6	28.0	90.00	-1,140.7	-827.6	848.3	806.2	42.05	20.171	
12,700.0	11,737.0	12,130.5	11,736.0	17.7	28.0	90.07	-1,173.2	-827.4	848.3	806.0	42.23	20.086	
12,800.0	11,737.0	12,230.5	11,736.0	18.1	28.1	90.07	-1,273.2	-826.7	848.3	805.4	42.84	19.799	
12,900.0	11,737.0	12,330.5	11,736.0	18.6	28.2	90.07	-1,373.2	-826.1	848.3	804.8	43.50	19.499	
13,000.0	11,737.0	12,430.5	11,736.0	19.0	28.3	90.07	-1,473.2	-825.4	848.3	804.1	44.20	19.190	
13,100.0	11,737.0	12,530.5	11,736.0	19.5	28.4	90.07	-1,573.2	-824.8	848.3	803.3	44.94	18.874	
13,200.0	11,737.0	12,630.5	11,736.0	20.0	28.6	90.07	-1,673.2	-824.1	848.3	802.5	45.72	18.552	
13,300.0	11,737.0	12,730.5	11,736.0	20.5	28.8	90.07	-1,773.2	-823.5	848.3	801.7	46.54	18.228	
13,400.0	11,737.0	12,830.5	11,736.0	21.0	28.9	90.07	-1,873.2	-822.8	848.3	800.9	47.39	17.901	
13,500.0	11,737.0	12,930.5	11,736.0	21.6	29.1	90.07	-1,973.2	-822.2	848.3	800.0	48.27	17.574	
13,600.0	11,737.0	13,030.5	11,736.0	22.1	29.4	90.07	-2,073.2	-821.5	848.3	799.1	49.18	17.248	
13,700.0	11,737.0	13,130.5	11,736.0	22.7	29.6	90.07	-2,173.2	-820.9	848.3	798.2	50.12	16.924	
13,800.0	11,737.0	13,230.5	11,736.0	23.3	29.9	90.07	-2,273.2	-820.2	848.3	797.2	51.09	16.603	
13,900.0	11,737.0	13,330.5	11,736.0	23.9	30.1	90.07	-2,373.1	-819.6	848.3	796.2	52.08	16.286	
14,000.0	11,737.0	13,430.5	11,736.0	24.5	30.4	90.07	-2,473.1	-818.9	848.3	795.2	53.10	15.974	
14,100.0	11,737.0	13,530.5	11,736.0	25.1	30.8	90.07	-2,573.1	-818.3	848.3	794.1	54.14	15.667	
14,200.0	11,737.0	13,630.5	11,736.0	25.7	31.1	90.07	-2,673.1	-817.6	848.3	793.1	55.21	15.365	
14,300.0	11,737.0	13,730.5	11,736.0	26.3	31.5	90.07	-2,773.1	-817.0	848.3	792.0	56.29	15.069	
14,400.0	11,737.0	13,830.5	11,736.0	26.9	31.8	90.07	-2,873.1	-816.3	848.3	790.9	57.39	14.780	
14,500.0	11,737.0	13,930.5	11,736.0	27.6	32.3	90.07	-2,973.1	-815.7	848.3	789.8	58.52	14.497	
14,600.0	11,737.0	14,030.5	11,736.0	28.2	32.7	90.07	-3,073.1	-815.0	848.3	788.6	59.65	14.220	
14,700.0	11,737.0	14,130.5	11,736.0	28.9	33.1	90.07	-3,173.1	-814.4	848.3	787.5	60.81	13.950	
14,800.0	11,737.0	14,230.5	11,736.0	29.5	33.6	90.07	-3,273.1	-813.7	848.3	786.3	61.98	13.687	
14,900.0	11,737.0	14,330.5	11,736.0	30.2	34.0	90.07	-3,373.1	-813.1	848.3	785.1	63.16	13.430	
15,000.0	11,737.0	14,430.5	11,736.0	30.9	34.5	90.07	-3,473.1	-812.4	848.3	783.9	64.36	13.180	
15,100.0	11,737.0	14,530.5	11,736.0	31.5	35.0	90.07	-3,573.1	-811.8	848.3	782.7	65.57	12.937	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
15,200.0	11,737.0	14,630.5	11,736.0	32.2	35.5	90.07	-3,673.1	-811.1	848.3	781.5	66.79	12.700	
15,300.0	11,737.0	14,730.5	11,736.0	32.9	36.1	90.07	-3,773.1	-810.5	848.3	780.2	68.03	12.470	
15,400.0	11,737.0	14,830.5	11,736.0	33.6	36.6	90.07	-3,873.1	-809.8	848.3	779.0	69.27	12.246	
15,500.0	11,737.0	14,930.5	11,736.0	34.3	37.1	90.07	-3,973.1	-809.2	848.3	777.7	70.53	12.028	
15,600.0	11,737.0	15,030.5	11,736.0	34.9	37.7	90.07	-4,073.1	-808.5	848.3	776.5	71.79	11.816	
15,700.0	11,737.0	15,130.5	11,736.0	35.6	38.3	90.07	-4,173.1	-807.9	848.3	775.2	73.06	11.610	
15,800.0	11,737.0	15,230.5	11,736.0	36.3	38.8	90.07	-4,273.1	-807.2	848.3	773.9	74.35	11.410	
15,900.0	11,737.0	15,330.5	11,736.0	37.0	39.4	90.07	-4,373.1	-806.6	848.3	772.6	75.64	11.215	
16,000.0	11,737.0	15,430.5	11,736.0	37.7	40.0	90.07	-4,473.1	-805.9	848.3	771.3	76.94	11.026	
16,100.0	11,737.0	15,530.5	11,736.0	38.4	40.6	90.07	-4,573.1	-805.3	848.3	770.0	78.24	10.842	
16,200.0	11,737.0	15,630.5	11,736.0	39.1	41.2	90.07	-4,673.1	-804.6	848.3	768.7	79.56	10.663	
16,300.0	11,737.0	15,730.5	11,736.0	39.8	41.8	90.07	-4,773.1	-804.0	848.3	767.4	80.88	10.489	
16,400.0	11,737.0	15,830.5	11,736.0	40.5	42.5	90.07	-4,873.1	-803.3	848.3	766.1	82.20	10.319	
16,500.0	11,737.0	15,930.5	11,736.0	41.3	43.1	90.07	-4,973.1	-802.7	848.3	764.7	83.54	10.155	
16,600.0	11,737.0	16,030.5	11,736.0	42.0	43.7	90.07	-5,073.1	-802.0	848.3	763.4	84.87	9.995	
16,700.0	11,737.0	16,130.5	11,736.0	42.7	44.4	90.07	-5,173.1	-801.4	848.3	762.1	86.22	9.839	
16,800.0	11,737.0	16,230.5	11,736.0	43.4	45.0	90.07	-5,273.1	-800.7	848.3	760.7	87.57	9.687	
16,900.0	11,737.0	16,330.5	11,736.0	44.1	45.6	90.07	-5,373.1	-800.1	848.3	759.4	88.92	9.540	
17,000.0	11,737.0	16,430.5	11,736.0	44.8	46.3	90.07	-5,473.1	-799.4	848.3	758.0	90.28	9.396	
17,100.0	11,737.0	16,530.5	11,736.0	45.6	46.9	90.07	-5,573.1	-798.7	848.3	756.6	91.65	9.256	
17,200.0	11,737.0	16,630.5	11,736.0	46.3	47.6	90.07	-5,673.1	-798.1	848.3	755.3	93.01	9.120	
17,300.0	11,737.0	16,730.5	11,736.0	47.0	48.3	90.07	-5,773.1	-797.4	848.3	753.9	94.39	8.987	
17,400.0	11,737.0	16,830.5	11,736.0	47.7	48.9	90.07	-5,873.1	-796.8	848.3	752.5	95.76	8.858	
17,500.0	11,737.0	16,930.5	11,736.0	48.4	49.6	90.07	-5,973.1	-796.1	848.3	751.1	97.14	8.732	
17,600.0	11,737.0	17,030.5	11,736.0	49.2	50.3	90.07	-6,073.1	-795.5	848.3	749.7	98.53	8.610	
17,700.0	11,737.0	17,130.5	11,736.0	49.9	50.9	90.07	-6,173.1	-794.8	848.3	748.4	99.92	8.490	
17,800.0	11,737.0	17,230.5	11,736.0	50.6	51.6	90.07	-6,273.1	-794.2	848.3	747.0	101.31	8.373	
17,900.0	11,737.0	17,330.5	11,736.0	51.4	52.3	90.07	-6,373.1	-793.5	848.3	745.6	102.70	8.260	
18,000.0	11,737.0	17,430.5	11,736.0	52.1	53.0	90.07	-6,473.1	-792.9	848.3	744.2	104.10	8.149	
18,100.0	11,737.0	17,530.5	11,736.0	52.8	53.7	90.07	-6,573.1	-792.2	848.3	742.8	105.50	8.041	
18,200.0	11,737.0	17,630.5	11,736.0	53.6	54.3	90.07	-6,673.1	-791.6	848.3	741.4	106.90	7.935	
18,300.0	11,737.0	17,730.5	11,736.0	54.3	55.0	90.07	-6,773.1	-790.9	848.3	740.0	108.31	7.832	
18,400.0	11,737.0	17,830.5	11,736.0	55.0	55.7	90.07	-6,873.1	-790.3	848.3	738.6	109.72	7.731	
18,500.0	11,737.0	17,930.5	11,736.0	55.8	56.4	90.07	-6,973.1	-789.6	848.3	737.1	111.13	7.633	
18,600.0	11,737.0	18,030.5	11,736.0	56.5	57.1	90.07	-7,073.0	-789.0	848.3	735.7	112.54	7.537	
18,700.0	11,737.0	18,130.5	11,736.0	57.2	57.8	90.07	-7,173.0	-788.3	848.3	734.3	113.96	7.444	
18,800.0	11,737.0	18,230.5	11,736.0	58.0	58.5	90.07	-7,273.0	-787.7	848.3	732.9	115.38	7.352	
18,900.0	11,737.0	18,330.5	11,736.0	58.7	59.2	90.07	-7,373.0	-787.0	848.3	731.5	116.80	7.263	
19,000.0	11,737.0	18,430.5	11,736.0	59.4	59.9	90.07	-7,473.0	-786.4	848.3	730.1	118.22	7.175	
19,100.0	11,737.0	18,530.5	11,736.0	60.2	60.6	90.07	-7,573.0	-785.7	848.3	728.6	119.65	7.090	
19,200.0	11,737.0	18,630.5	11,736.0	60.9	61.3	90.07	-7,673.0	-785.1	848.3	727.2	121.07	7.006	
19,300.0	11,737.0	18,730.5	11,736.0	61.7	62.0	90.07	-7,773.0	-784.4	848.3	725.8	122.50	6.925	
19,400.0	11,737.0	18,830.5	11,736.0	62.4	62.7	90.07	-7,873.0	-783.8	848.3	724.3	123.93	6.845	
19,500.0	11,737.0	18,930.5	11,736.0	63.1	63.4	90.07	-7,973.0	-783.1	848.3	722.9	125.36	6.766	
19,600.0	11,737.0	19,030.5	11,736.0	63.9	64.2	90.07	-8,073.0	-782.5	848.3	721.5	126.80	6.690	
19,700.0	11,737.0	19,130.5	11,736.0	64.6	64.9	90.07	-8,173.0	-781.8	848.3	720.0	128.23	6.615	
19,800.0	11,737.0	19,230.5	11,736.0	65.4	65.6	90.07	-8,273.0	-781.2	848.3	718.6	129.67	6.542	
19,900.0	11,737.0	19,330.5	11,736.0	66.1	66.3	90.07	-8,373.0	-780.5	848.3	717.2	131.11	6.470	
20,000.0	11,737.0	19,430.5	11,736.0	66.9	67.0	90.07	-8,473.0	-779.9	848.3	715.7	132.55	6.400	
20,100.0	11,737.0	19,530.5	11,736.0	67.6	67.7	90.07	-8,573.0	-779.2	848.3	714.3	133.99	6.331	
20,200.0	11,737.0	19,630.5	11,736.0	68.3	68.4	90.07	-8,673.0	-778.6	848.3	712.8	135.44	6.263	
20,300.0	11,737.0	19,730.5	11,736.0	69.1	69.2	90.07	-8,773.0	-777.9	848.3	711.4	136.88	6.197	

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 #753H
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 #753H	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
20,400.0	11,737.0	19,830.5	11,736.0	69.8	69.9	90.07	-8,873.0	-777.3	848.3	710.0		138.33	6.132
20,500.0	11,737.0	19,930.5	11,736.0	70.6	70.6	90.07	-8,973.0	-776.6	848.3	708.5		139.77	6.069
20,600.0	11,737.0	20,030.5	11,736.0	71.3	71.3	90.07	-9,073.0	-776.0	848.3	707.1		141.22	6.007
20,700.0	11,737.0	20,130.5	11,736.0	72.1	72.0	90.07	-9,173.0	-775.3	848.3	705.6		142.67	5.946
20,800.0	11,737.0	20,230.5	11,736.0	72.8	72.8	90.07	-9,273.0	-774.7	848.3	704.2		144.12	5.886
20,900.0	11,737.0	20,330.5	11,736.0	73.6	73.5	90.07	-9,373.0	-774.0	848.3	702.7		145.57	5.827
21,000.0	11,737.0	20,430.5	11,736.0	74.3	74.2	90.07	-9,473.0	-773.4	848.3	701.2		147.03	5.770
21,100.0	11,737.0	20,530.5	11,736.0	75.1	74.9	90.07	-9,573.0	-772.7	848.3	699.8		148.48	5.713
21,200.0	11,737.0	20,630.5	11,736.0	75.8	75.7	90.07	-9,673.0	-772.1	848.3	698.3		149.94	5.658
21,300.0	11,737.0	20,730.5	11,736.0	76.6	76.4	90.07	-9,773.0	-771.4	848.3	696.9		151.39	5.603
21,400.0	11,737.0	20,830.5	11,736.0	77.3	77.1	90.07	-9,873.0	-770.8	848.3	695.4		152.85	5.550
21,500.0	11,737.0	20,930.5	11,736.0	78.1	77.9	90.07	-9,973.0	-770.1	848.3	694.0		154.31	5.497
21,545.5	11,737.0	20,976.1	11,736.0	78.4	78.2	90.07	-10,018.5	-769.8	848.3	693.3		154.97	5.474
21,551.0	11,737.0	20,981.5	11,736.0	78.4	78.2	90.07	-10,024.0	-769.8	848.3	693.2		155.05	5.471
21,595.5	11,737.0	21,026.0	11,736.0	78.8	78.5	90.07	-10,068.4	-769.5	848.3	692.6		155.69	5.448 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 #753H
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 #753H	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	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-56.05	16.8	-25.0	30.2	23.2	6.98	4.327	
100.0	100.0	99.0	99.0	3.1	3.1	-56.05	16.8	-25.0	30.2	22.9	7.22	4.177	
200.0	200.0	199.0	199.0	3.2	3.2	-56.05	16.8	-25.0	30.2	22.7	7.46	4.043	
300.0	300.0	299.0	299.0	3.4	3.4	-56.05	16.8	-25.0	30.2	22.5	7.69	3.922	
400.0	400.0	399.0	399.0	3.5	3.5	-56.05	16.8	-25.0	30.2	22.3	7.92	3.810	
500.0	500.0	499.0	499.0	3.6	3.6	-56.05	16.8	-25.0	30.2	22.0	8.14	3.706	
600.0	600.0	599.0	599.0	3.7	3.7	-56.05	16.8	-25.0	30.2	21.8	8.36	3.610	
700.0	700.0	699.0	699.0	3.9	3.9	-56.05	16.8	-25.0	30.2	21.6	8.57	3.521	
800.0	800.0	799.0	799.0	4.0	4.0	-56.05	16.8	-25.0	30.2	21.4	8.78	3.437	
900.0	900.0	899.0	899.0	4.1	4.1	-56.05	16.8	-25.0	30.2	21.2	8.98	3.359	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.05	16.8	-25.0	30.2	21.0	9.18	3.285	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.05	16.8	-25.0	30.2	20.8	9.38	3.216	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.05	16.8	-25.0	30.2	20.6	9.58	3.150	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.05	16.8	-25.0	30.2	20.4	9.77	3.088	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.05	16.8	-25.0	30.2	20.2	9.96	3.029	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.05	16.8	-25.0	30.2	20.0	10.15	2.973 CC, ES	
1,600.0	1,600.0	1,598.8	1,598.8	5.0	5.0	-59.23	15.6	-26.2	30.5	20.4	10.04	3.032	
1,700.0	1,700.0	1,698.4	1,698.2	5.1	5.2	-68.37	11.7	-29.6	31.9	21.6	10.29	3.098	
1,800.0	1,800.0	1,797.5	1,797.0	5.3	5.5	-81.34	5.4	-35.4	35.8	25.2	10.60	3.380	
1,900.0	1,900.0	1,895.9	1,894.6	5.4	5.7	-94.55	-3.4	-43.3	43.7	32.6	11.03	3.959	
2,000.0	2,000.0	1,993.3	1,990.9	5.6	6.0	-105.33	-14.6	-53.4	55.9	44.4	11.54	4.848	
2,100.0	2,100.0	2,091.7	2,087.8	5.7	6.3	-112.86	-27.3	-64.8	71.2	59.2	12.04	5.918	
2,200.0	2,200.0	2,190.2	2,184.8	5.8	6.6	-117.70	-40.0	-76.3	87.3	74.8	12.52	6.973	
2,300.0	2,300.0	2,288.7	2,281.7	6.0	6.9	-121.03	-52.7	-87.7	103.8	90.8	13.00	7.981	
2,400.0	2,400.0	2,387.1	2,378.7	6.1	7.2	-123.43	-65.5	-99.1	120.5	107.0	13.49	8.932	
2,500.0	2,500.0	2,485.6	2,475.7	6.2	7.5	-125.25	-78.2	-110.6	137.4	123.4	13.99	9.822	
2,600.0	2,600.0	2,584.1	2,572.7	6.3	7.8	-126.68	-90.9	-122.0	154.4	139.9	14.49	10.653	
2,700.0	2,700.0	2,682.6	2,669.7	6.5	8.2	-127.81	-103.6	-133.5	171.5	156.5	15.01	11.425	
2,800.0	2,800.0	2,781.1	2,766.7	6.6	8.5	-128.75	-116.3	-144.9	188.6	173.1	15.53	12.144	
2,900.0	2,900.0	2,879.5	2,863.6	6.7	8.9	-129.52	-129.0	-156.3	205.8	189.7	16.06	12.811	
3,000.0	3,000.0	2,978.0	2,960.6	6.8	9.3	-130.18	-141.7	-167.8	222.9	206.4	16.60	13.432	
3,100.0	3,100.0	3,076.5	3,057.6	7.0	9.6	-130.75	-154.4	-179.2	240.2	223.0	17.14	14.009	
3,200.0	3,200.0	3,175.0	3,154.6	7.1	10.0	-131.23	-167.1	-190.7	257.4	239.7	17.70	14.547	
3,300.0	3,300.0	3,273.5	3,251.6	7.2	10.4	-131.66	-179.8	-202.1	274.7	256.4	18.25	15.048	
3,400.0	3,400.0	3,372.0	3,348.6	7.3	10.8	-132.04	-192.5	-213.6	291.9	273.1	18.82	15.515	
3,500.0	3,500.0	3,470.4	3,445.6	7.4	11.2	-132.37	-205.2	-225.0	309.2	289.8	19.38	15.951	
3,600.0	3,600.0	3,568.9	3,542.5	7.5	11.6	-132.67	-218.0	-236.4	326.5	306.5	19.96	16.359	
3,700.0	3,700.0	3,667.4	3,639.5	7.7	12.0	-132.94	-230.7	-247.9	343.8	323.3	20.54	16.742	
3,800.0	3,800.0	3,765.9	3,736.5	7.8	12.4	-133.18	-243.4	-259.3	361.1	340.0	21.12	17.100	
3,900.0	3,900.0	3,864.4	3,833.5	7.9	12.8	-133.40	-256.1	-270.8	378.4	356.7	21.70	17.436	
4,000.0	4,000.0	3,962.8	3,930.5	8.0	13.2	-133.60	-268.8	-282.2	395.7	373.4	22.29	17.753	
4,100.0	4,100.0	4,061.3	4,027.5	8.1	13.6	-133.79	-281.5	-293.7	413.0	390.2	22.88	18.051	
4,200.0	4,200.0	4,159.8	4,124.4	8.2	14.1	-133.96	-294.2	-305.1	430.4	406.9	23.48	18.331	
4,300.0	4,300.0	4,258.3	4,221.4	8.3	14.5	-134.11	-306.9	-316.5	447.7	423.6	24.07	18.596	
4,400.0	4,400.0	4,356.8	4,318.4	8.4	14.9	-134.26	-319.6	-328.0	465.0	440.3	24.67	18.846	
4,500.0	4,500.0	4,455.2	4,415.4	8.6	15.3	-134.39	-332.3	-339.4	482.3	457.1	25.28	19.083	
4,600.0	4,600.0	4,554.5	4,513.2	8.7	15.7	-134.52	-345.1	-351.0	499.7	473.8	25.87	19.317	
4,700.0	4,700.0	4,662.8	4,620.0	8.8	16.2	-134.64	-358.2	-362.8	515.9	489.4	26.51	19.458	
4,800.0	4,800.0	4,771.7	4,727.7	8.9	16.6	-134.74	-369.9	-373.2	530.3	503.1	27.16	19.527	
4,900.0	4,900.0	4,881.1	4,836.3	9.0	17.1	-134.82	-380.1	-382.4	542.8	515.0	27.78	19.539	
5,000.0	5,000.0	4,991.0	4,945.6	9.1	17.5	-134.89	-388.7	-390.2	553.4	525.0	28.38	19.501	
5,100.0	5,100.0	5,101.4	5,055.6	9.2	17.9	-134.94	-395.9	-396.6	562.1	533.1	28.95	19.417	

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 #753H
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 #753H	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,200.0	5,212.1	5,166.0	9.3	18.3	-134.98	-401.4	-401.7	568.8	539.3	29.48	19.296	
5,300.0	5,300.0	5,323.0	5,276.8	9.4	18.7	-135.01	-405.4	-405.2	573.7	543.7	29.97	19.143	
5,400.0	5,400.0	5,434.1	5,387.8	9.5	19.0	-135.03	-407.8	-407.4	576.6	546.2	30.40	18.968	
5,500.0	5,500.0	5,545.3	5,499.0	9.6	19.3	-135.03	-408.6	-408.1	577.5	546.9	30.68	18.823	
5,533.3	5,533.3	5,578.6	5,532.3	9.6	19.3	-135.03	-408.6	-408.1	577.5	546.8	30.71	18.808	
5,600.0	5,600.0	5,645.3	5,599.0	9.7	19.3	-135.03	-408.6	-408.1	577.5	546.8	30.77	18.771	
5,700.0	5,700.0	5,745.3	5,699.0	9.8	19.3	-135.03	-408.6	-408.1	577.5	546.7	30.87	18.710	
5,800.0	5,800.0	5,845.3	5,799.0	9.9	19.3	-135.03	-408.6	-408.1	577.5	546.6	30.97	18.649	
5,900.0	5,900.0	5,945.3	5,899.0	10.0	19.4	-135.03	-408.6	-408.1	577.5	546.5	31.07	18.588	
6,000.0	6,000.0	6,045.3	5,999.0	10.1	19.4	-135.03	-408.6	-408.1	577.5	546.4	31.17	18.527	
6,100.0	6,100.0	6,145.3	6,099.0	10.2	19.4	-135.03	-408.6	-408.1	577.5	546.3	31.27	18.467	
6,200.0	6,200.0	6,245.3	6,199.0	10.3	19.4	-135.03	-408.6	-408.1	577.5	546.2	31.38	18.406	
6,300.0	6,300.0	6,345.3	6,299.0	10.4	19.5	-135.03	-408.6	-408.1	577.5	546.1	31.48	18.346	
6,400.0	6,400.0	6,445.3	6,399.0	10.5	19.5	-135.03	-408.6	-408.1	577.5	546.0	31.58	18.285	
6,500.0	6,500.0	6,545.3	6,499.0	10.6	19.5	-135.03	-408.6	-408.1	577.5	545.8	31.69	18.225	
6,600.0	6,600.0	6,645.3	6,599.0	10.7	19.6	-135.03	-408.6	-408.1	577.5	545.7	31.79	18.165	
6,700.0	6,700.0	6,745.3	6,699.0	10.8	19.6	-135.03	-408.6	-408.1	577.5	545.6	31.90	18.105	
6,800.0	6,800.0	6,845.3	6,799.0	10.9	19.6	-135.03	-408.6	-408.1	577.5	545.5	32.00	18.045	
6,900.0	6,900.0	6,945.3	6,899.0	11.0	19.7	-135.03	-408.6	-408.1	577.5	545.4	32.11	17.986	
7,000.0	7,000.0	7,045.3	6,999.0	11.1	19.7	-135.03	-408.6	-408.1	577.5	545.3	32.22	17.926	
7,100.0	7,100.0	7,145.3	7,099.0	11.2	19.7	-135.03	-408.6	-408.1	577.5	545.2	32.32	17.867	
7,200.0	7,200.0	7,245.3	7,199.0	11.3	19.8	-135.03	-408.6	-408.1	577.5	545.1	32.43	17.807	
7,300.0	7,300.0	7,345.3	7,299.0	11.4	19.8	-135.03	-408.6	-408.1	577.5	545.0	32.54	17.748	
7,400.0	7,400.0	7,445.3	7,399.0	11.5	19.8	-135.03	-408.6	-408.1	577.5	544.9	32.65	17.689	
7,500.0	7,500.0	7,545.3	7,499.0	11.6	19.9	-135.03	-408.6	-408.1	577.5	544.8	32.76	17.630	
7,600.0	7,600.0	7,645.3	7,599.0	11.7	19.9	-135.03	-408.6	-408.1	577.5	544.7	32.87	17.572	
7,700.0	7,700.0	7,745.3	7,699.0	11.8	19.9	-135.03	-408.6	-408.1	577.5	544.6	32.98	17.513	
7,800.0	7,800.0	7,845.3	7,799.0	11.9	20.0	-135.03	-408.6	-408.1	577.5	544.4	33.09	17.455	
7,900.0	7,900.0	7,945.3	7,899.0	12.0	20.0	-135.03	-408.6	-408.1	577.5	544.3	33.20	17.397	
8,000.0	8,000.0	8,045.3	7,999.0	12.1	20.0	-135.03	-408.6	-408.1	577.5	544.2	33.31	17.339	
8,100.0	8,100.0	8,145.3	8,099.0	12.2	20.1	-135.03	-408.6	-408.1	577.5	544.1	33.42	17.281	
8,200.0	8,200.0	8,245.3	8,199.0	12.3	20.1	-135.03	-408.6	-408.1	577.5	544.0	33.53	17.223	
8,300.0	8,300.0	8,345.3	8,299.0	12.4	20.1	-135.03	-408.6	-408.1	577.5	543.9	33.64	17.166	
8,400.0	8,400.0	8,445.3	8,399.0	12.5	20.2	-135.03	-408.6	-408.1	577.5	543.8	33.76	17.108	
8,500.0	8,500.0	8,545.3	8,499.0	12.6	20.2	-135.03	-408.6	-408.1	577.5	543.7	33.87	17.051	
8,600.0	8,600.0	8,645.3	8,599.0	12.7	20.3	-135.03	-408.6	-408.1	577.5	543.6	33.98	16.994	
8,700.0	8,700.0	8,745.3	8,699.0	12.8	20.3	-135.03	-408.6	-408.1	577.5	543.4	34.10	16.937	
8,800.0	8,800.0	8,845.3	8,799.0	12.9	20.3	-135.03	-408.6	-408.1	577.5	543.3	34.21	16.881	
8,900.0	8,900.0	8,945.3	8,899.0	13.0	20.4	-135.03	-408.6	-408.1	577.5	543.2	34.33	16.825	
9,000.0	9,000.0	9,045.3	8,999.0	13.0	20.4	-135.03	-408.6	-408.1	577.5	543.1	34.44	16.768	
9,100.0	9,100.0	9,145.3	9,099.0	13.1	20.4	-135.03	-408.6	-408.1	577.5	543.0	34.56	16.712	
9,200.0	9,200.0	9,245.3	9,199.0	13.2	20.5	-135.03	-408.6	-408.1	577.5	542.9	34.67	16.657	
9,300.0	9,300.0	9,345.3	9,299.0	13.3	20.5	-135.03	-408.6	-408.1	577.5	542.7	34.79	16.601	
9,400.0	9,400.0	9,445.3	9,399.0	13.4	20.6	-135.03	-408.6	-408.1	577.5	542.6	34.91	16.545	
9,500.0	9,500.0	9,545.3	9,499.0	13.5	20.6	-135.03	-408.6	-408.1	577.5	542.5	35.02	16.490	
9,600.0	9,600.0	9,645.3	9,599.0	13.6	20.6	-135.03	-408.6	-408.1	577.5	542.4	35.14	16.435	
9,700.0	9,700.0	9,745.3	9,699.0	13.7	20.7	-135.03	-408.6	-408.1	577.5	542.3	35.26	16.380	
9,800.0	9,800.0	9,845.3	9,799.0	13.8	20.7	-135.03	-408.6	-408.1	577.5	542.2	35.38	16.326	
9,900.0	9,900.0	9,945.3	9,899.0	13.9	20.8	-135.03	-408.6	-408.1	577.5	542.0	35.49	16.271	
10,000.0	10,000.0	10,045.3	9,999.0	14.0	20.8	-135.03	-408.6	-408.1	577.5	541.9	35.61	16.217	
10,100.0	10,100.0	10,145.3	10,099.0	14.1	20.8	-135.03	-408.6	-408.1	577.5	541.8	35.73	16.163	
10,200.0	10,200.0	10,245.3	10,199.0	14.2	20.9	-135.03	-408.6	-408.1	577.5	541.7	35.85	16.109	

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 #753H
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 #753H	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		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	
10,300.0	10,300.0	10,345.3	10,299.0	14.3	20.9	-135.03	-408.6	-408.1	577.5	541.6	35.97	16.056	
10,400.0	10,400.0	10,445.3	10,399.0	14.4	21.0	-135.03	-408.6	-408.1	577.5	541.4	36.09	16.003	
10,500.0	10,500.0	10,545.3	10,499.0	14.4	21.0	-135.03	-408.6	-408.1	577.5	541.3	36.21	15.949	
10,600.0	10,600.0	10,645.3	10,599.0	14.5	21.0	-135.03	-408.6	-408.1	577.5	541.2	36.33	15.896	
10,700.0	10,700.0	10,745.3	10,699.0	14.6	21.1	-135.03	-408.6	-408.1	577.5	541.1	36.45	15.844	
10,800.0	10,800.0	10,845.3	10,799.0	14.7	21.1	-135.03	-408.6	-408.1	577.5	541.0	36.57	15.791	
10,900.0	10,900.0	10,945.3	10,899.0	14.8	21.2	-135.03	-408.6	-408.1	577.5	540.8	36.69	15.739	
11,000.0	11,000.0	11,045.3	10,999.0	14.9	21.2	-135.03	-408.6	-408.1	577.5	540.7	36.82	15.687	
11,100.0	11,100.0	11,145.3	11,099.0	15.0	21.3	-135.03	-408.6	-408.1	577.5	540.6	36.94	15.635	
11,200.0	11,200.0	11,245.3	11,199.0	15.1	21.3	-135.03	-408.6	-408.1	577.5	540.5	37.06	15.583	
11,259.5	11,259.5	11,304.8	11,258.5	15.1	21.3	-135.03	-408.6	-408.1	577.5	540.4	37.12	15.557	
11,275.0	11,275.0	11,320.3	11,274.0	15.1	21.3	46.85	-408.6	-408.1	577.4	540.4	37.01	15.602	
11,300.0	11,300.0	11,345.2	11,299.0	15.1	21.3	47.04	-408.6	-408.1	576.4	539.3	37.02	15.569	
11,325.0	11,324.8	11,370.1	11,323.8	15.2	21.3	47.41	-408.6	-408.1	574.5	537.4	37.04	15.512	
11,350.0	11,349.5	11,394.7	11,348.5	15.2	21.4	47.95	-408.6	-408.1	571.7	534.7	37.05	15.432	
11,375.0	11,373.9	11,419.1	11,372.9	15.2	21.4	48.68	-408.6	-408.1	568.1	531.1	37.06	15.331	
11,400.0	11,398.0	11,443.3	11,397.0	15.2	21.4	49.58	-408.6	-408.1	563.7	526.6	37.06	15.210	
11,425.0	11,421.7	11,467.0	11,420.7	15.2	21.4	50.67	-408.6	-408.1	558.5	521.4	37.06	15.069	
11,450.0	11,445.0	11,485.7	11,439.4	15.2	21.4	51.79	-408.7	-408.1	552.6	515.6	36.98	14.942	
11,475.0	11,467.8	11,500.0	11,453.7	15.3	21.4	52.88	-409.1	-408.1	546.4	509.4	37.00	14.766	
11,500.0	11,490.0	11,511.9	11,465.6	15.3	21.4	53.96	-409.7	-408.1	539.9	502.9	37.04	14.578	
11,525.0	11,511.5	11,525.0	11,478.7	15.3	21.4	55.15	-410.8	-408.1	533.2	496.2	37.06	14.388	
11,550.0	11,532.4	11,538.1	11,491.7	15.3	21.4	56.42	-412.2	-408.1	526.3	489.3	37.08	14.195	
11,575.0	11,552.5	11,550.0	11,503.5	15.4	21.4	57.70	-413.8	-408.1	519.3	482.2	37.10	13.997	
11,600.0	11,571.9	11,564.4	11,517.7	15.4	21.4	59.17	-416.1	-408.1	512.2	475.1	37.10	13.806	
11,625.0	11,590.3	11,575.0	11,528.1	15.4	21.4	60.52	-418.1	-408.1	505.0	467.9	37.11	13.606	
11,650.0	11,607.9	11,590.8	11,543.5	15.4	21.4	62.21	-421.5	-408.0	497.7	460.7	37.07	13.426	
11,675.0	11,624.5	11,600.0	11,552.5	15.5	21.4	63.57	-423.7	-408.0	490.5	453.5	37.07	13.233	
11,700.0	11,640.1	11,617.3	11,569.1	15.5	21.4	65.50	-428.3	-408.0	483.3	446.4	36.98	13.072	
11,725.0	11,654.7	11,630.5	11,581.8	15.5	21.4	67.23	-432.2	-408.0	476.3	439.4	36.89	12.910	
11,750.0	11,668.2	11,643.9	11,594.4	15.6	21.4	69.00	-436.5	-408.0	469.4	432.6	36.79	12.761	
11,775.0	11,680.5	11,657.2	11,606.9	15.6	21.4	70.81	-441.2	-407.9	462.8	426.1	36.65	12.627	
11,800.0	11,691.8	11,670.6	11,619.3	15.6	21.4	72.65	-446.3	-407.9	456.4	419.9	36.48	12.511	
11,825.0	11,701.8	11,684.1	11,631.6	15.6	21.4	74.50	-451.7	-407.9	450.4	414.1	36.28	12.415	
11,850.0	11,710.6	11,700.0	11,646.0	15.7	21.5	76.58	-458.5	-407.8	444.9	408.8	36.03	12.346	
11,875.0	11,718.2	11,711.2	11,655.9	15.7	21.5	78.22	-463.6	-407.8	439.8	404.0	35.79	12.289	
11,900.0	11,724.5	11,725.0	11,668.1	15.7	21.5	80.08	-470.2	-407.7	435.3	399.8	35.49	12.264	
11,925.0	11,729.5	11,738.5	11,679.7	15.7	21.5	81.87	-477.0	-407.7	431.4	396.3	35.18	12.263	
11,950.0	11,733.3	11,752.3	11,691.4	15.7	21.5	83.65	-484.3	-407.6	428.3	393.4	34.85	12.289	
11,975.0	11,735.8	11,766.1	11,703.0	15.7	21.5	85.37	-491.9	-407.6	425.9	391.4	34.52	12.340	
12,000.0	11,736.9	11,780.1	11,714.4	15.7	21.5	87.05	-500.0	-407.5	424.4	390.2	34.19	12.414	
12,009.5	11,737.0	11,785.5	11,718.7	15.7	21.5	87.67	-503.2	-407.5	424.1	390.0	34.07	12.449	
12,034.3	11,737.0	11,800.0	11,730.3	15.8	21.5	89.22	-512.0	-407.5	423.7	389.9	33.78	12.543	
12,083.4	11,737.0	11,832.4	11,754.9	15.8	21.5	92.56	-533.0	-407.3	425.0	391.6	33.37	12.735	
12,100.0	11,737.0	11,844.6	11,763.9	15.8	21.5	93.76	-541.3	-407.3	426.0	392.7	33.29	12.795	
12,200.0	11,737.0	11,934.1	11,822.3	16.0	21.6	101.50	-608.9	-406.8	437.1	403.5	33.62	13.000	
12,300.0	11,737.0	12,055.4	11,879.5	16.3	21.7	108.70	-715.5	-406.1	451.0	415.7	35.28	12.785	
12,400.0	11,737.0	12,205.1	11,910.4	16.6	21.8	112.35	-861.4	-405.2	458.6	421.3	37.27	12.306	
12,500.0	11,737.0	12,314.1	11,911.0	16.9	21.9	112.43	-970.4	-404.5	458.7	420.8	37.96	12.085	
12,600.0	11,737.0	12,414.1	11,911.0	17.3	22.0	112.43	-1,070.4	-403.8	458.7	420.2	38.55	11.901	
12,700.0	11,737.0	12,514.1	11,911.0	17.7	22.1	112.43	-1,170.4	-403.2	458.7	419.5	39.18	11.707	
12,800.0	11,737.0	12,614.1	11,911.0	18.1	22.2	112.43	-1,270.4	-402.5	458.7	418.9	39.87	11.506	

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 #753H
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 #753H	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		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	11,737.0	12,714.1	11,911.0	18.6	22.4	112.43	-1,370.4	-401.9	458.7	418.1	40.60	11.299	
13,000.0	11,737.0	12,814.1	11,911.0	19.0	22.6	112.43	-1,470.4	-401.2	458.7	417.4	41.37	11.087	
13,100.0	11,737.0	12,914.1	11,911.0	19.5	22.8	112.43	-1,570.4	-400.6	458.7	416.5	42.19	10.873	
13,200.0	11,737.0	13,014.1	11,911.0	20.0	23.0	112.43	-1,670.4	-399.9	458.7	415.7	43.04	10.658	
13,300.0	11,737.0	13,114.1	11,911.0	20.5	23.3	112.43	-1,770.4	-399.3	458.7	414.8	43.93	10.442	
13,400.0	11,737.0	13,214.1	11,911.0	21.0	23.6	112.43	-1,870.4	-398.6	458.7	413.9	44.85	10.227	
13,500.0	11,737.0	13,314.1	11,911.0	21.6	23.9	112.43	-1,970.4	-398.0	458.7	412.9	45.81	10.014	
13,600.0	11,737.0	13,414.1	11,911.0	22.1	24.2	112.43	-2,070.4	-397.3	458.7	411.9	46.79	9.803	
13,700.0	11,737.0	13,514.1	11,911.0	22.7	24.6	112.43	-2,170.4	-396.7	458.7	410.9	47.81	9.596	
13,800.0	11,737.0	13,614.1	11,911.0	23.3	25.0	112.43	-2,270.4	-396.0	458.7	409.9	48.85	9.391	
13,900.0	11,737.0	13,714.1	11,911.0	23.9	25.4	112.43	-2,370.4	-395.4	458.7	408.8	49.91	9.191	
14,000.0	11,737.0	13,814.1	11,911.0	24.5	25.9	112.43	-2,470.4	-394.7	458.7	407.7	50.99	8.996	
14,100.0	11,737.0	13,914.1	11,911.0	25.1	26.4	112.43	-2,570.4	-394.0	458.7	406.6	52.10	8.804	
14,200.0	11,737.0	14,014.1	11,911.0	25.7	26.9	112.43	-2,670.4	-393.4	458.7	405.5	53.23	8.618	
14,300.0	11,737.0	14,114.1	11,911.0	26.3	27.4	112.43	-2,770.4	-392.7	458.7	404.3	54.38	8.436	
14,400.0	11,737.0	14,214.1	11,911.0	26.9	27.9	112.43	-2,870.4	-392.1	458.7	403.2	55.54	8.259	
14,500.0	11,737.0	14,314.1	11,911.0	27.6	28.4	112.43	-2,970.4	-391.4	458.7	402.0	56.72	8.087	
14,600.0	11,737.0	14,414.1	11,911.0	28.2	29.0	112.43	-3,070.4	-390.8	458.7	400.8	57.92	7.920	
14,700.0	11,737.0	14,514.1	11,911.0	28.9	29.6	112.43	-3,170.4	-390.1	458.7	399.6	59.13	7.758	
14,800.0	11,737.0	14,614.1	11,911.0	29.5	30.1	112.43	-3,270.4	-389.5	458.7	398.4	60.36	7.600	
14,900.0	11,737.0	14,714.1	11,911.0	30.2	30.7	112.43	-3,370.4	-388.8	458.7	397.1	61.59	7.448	
15,000.0	11,737.0	14,814.1	11,911.0	30.9	31.3	112.43	-3,470.4	-388.2	458.7	395.9	62.84	7.299	
15,100.0	11,737.0	14,914.1	11,911.0	31.5	31.9	112.43	-3,570.4	-387.5	458.7	394.6	64.11	7.156	
15,200.0	11,737.0	15,014.1	11,911.0	32.2	32.6	112.43	-3,670.4	-386.9	458.7	393.3	65.38	7.016	
15,300.0	11,737.0	15,114.1	11,911.0	32.9	33.2	112.43	-3,770.4	-386.2	458.7	392.1	66.66	6.881	
15,400.0	11,737.0	15,214.1	11,911.0	33.6	33.8	112.43	-3,870.4	-385.6	458.7	390.8	67.95	6.751	
15,500.0	11,737.0	15,314.1	11,911.0	34.3	34.4	112.43	-3,970.4	-384.9	458.7	389.5	69.25	6.624	
15,600.0	11,737.0	15,414.1	11,911.0	34.9	35.1	112.43	-4,070.4	-384.3	458.7	388.2	70.56	6.501	
15,700.0	11,737.0	15,514.1	11,911.0	35.6	35.7	112.43	-4,170.4	-383.6	458.7	386.8	71.88	6.382	
15,800.0	11,737.0	15,614.1	11,911.0	36.3	36.4	112.43	-4,270.3	-383.0	458.7	385.5	73.21	6.266	
15,900.0	11,737.0	15,714.1	11,911.0	37.0	37.1	112.43	-4,370.3	-382.3	458.7	384.2	74.54	6.154	
16,000.0	11,737.0	15,814.1	11,911.0	37.7	37.7	112.43	-4,470.3	-381.7	458.7	382.8	75.88	6.045	
16,100.0	11,737.0	15,914.1	11,911.0	38.4	38.4	112.43	-4,570.3	-381.0	458.7	381.5	77.23	5.940	
16,200.0	11,737.0	16,014.1	11,911.0	39.1	39.1	112.43	-4,670.3	-380.4	458.7	380.1	78.58	5.838	
16,300.0	11,737.0	16,114.1	11,911.0	39.8	39.7	112.43	-4,770.3	-379.7	458.7	378.8	79.94	5.739	
16,400.0	11,737.0	16,214.1	11,911.0	40.5	40.4	112.43	-4,870.3	-379.1	458.7	377.4	81.30	5.642	
16,500.0	11,737.0	16,314.1	11,911.0	41.3	41.1	112.43	-4,970.3	-378.4	458.7	376.0	82.67	5.549	
16,600.0	11,737.0	16,414.1	11,911.0	42.0	41.8	112.43	-5,070.3	-377.8	458.7	374.7	84.04	5.458	
16,700.0	11,737.0	16,514.1	11,911.0	42.7	42.5	112.43	-5,170.3	-377.1	458.7	373.3	85.42	5.370	
16,800.0	11,737.0	16,614.1	11,911.0	43.4	43.2	112.43	-5,270.3	-376.5	458.7	371.9	86.80	5.285	
16,900.0	11,737.0	16,714.1	11,911.0	44.1	43.9	112.43	-5,370.3	-375.8	458.7	370.5	88.19	5.201	
17,000.0	11,737.0	16,814.1	11,911.0	44.8	44.6	112.43	-5,470.3	-375.2	458.7	369.1	89.58	5.121	
17,100.0	11,737.0	16,914.1	11,911.0	45.6	45.3	112.43	-5,570.3	-374.5	458.7	367.7	90.98	5.042	
17,200.0	11,737.0	17,014.1	11,911.0	46.3	46.0	112.43	-5,670.3	-373.9	458.7	366.3	92.38	4.966	
17,300.0	11,737.0	17,114.1	11,911.0	47.0	46.7	112.43	-5,770.3	-373.2	458.7	364.9	93.78	4.891	
17,400.0	11,737.0	17,214.1	11,911.0	47.7	47.4	112.43	-5,870.3	-372.5	458.7	363.5	95.18	4.819	
17,500.0	11,737.0	17,314.1	11,911.0	48.4	48.1	112.43	-5,970.3	-371.9	458.7	362.1	96.59	4.749	
17,600.0	11,737.0	17,414.1	11,911.0	49.2	48.8	112.43	-6,070.3	-371.2	458.7	360.7	98.01	4.680	
17,700.0	11,737.0	17,514.1	11,911.0	49.9	49.5	112.43	-6,170.3	-370.6	458.7	359.3	99.42	4.614	
17,800.0	11,737.0	17,614.1	11,911.0	50.6	50.2	112.43	-6,270.3	-369.9	458.7	357.9	100.84	4.549	
17,900.0	11,737.0	17,714.1	11,911.0	51.4	50.9	112.43	-6,370.3	-369.3	458.7	356.4	102.26	4.486	
18,000.0	11,737.0	17,814.1	11,911.0	52.1	51.7	112.43	-6,470.3	-368.6	458.7	355.0	103.68	4.424	

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 #753H
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 #753H	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		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	11,737.0	17,914.1	11,911.0	52.8	52.4	112.43	-6,570.3	-368.0	458.7	353.6	105.11	4.364	
18,200.0	11,737.0	18,014.1	11,911.0	53.6	53.1	112.43	-6,670.3	-367.3	458.7	352.2	106.54	4.306	
18,300.0	11,737.0	18,114.1	11,911.0	54.3	53.8	112.43	-6,770.3	-366.7	458.7	350.7	107.97	4.249	
18,400.0	11,737.0	18,214.1	11,911.0	55.0	54.5	112.43	-6,870.3	-366.0	458.7	349.3	109.40	4.193	
18,500.0	11,737.0	18,314.1	11,911.0	55.8	55.3	112.43	-6,970.3	-365.4	458.7	347.9	110.84	4.139	
18,600.0	11,737.0	18,414.1	11,911.0	56.5	56.0	112.43	-7,070.3	-364.7	458.7	346.4	112.27	4.086	
18,700.0	11,737.0	18,514.1	11,911.0	57.2	56.7	112.43	-7,170.3	-364.1	458.7	345.0	113.71	4.034	
18,800.0	11,737.0	18,614.1	11,911.0	58.0	57.4	112.43	-7,270.3	-363.4	458.7	343.5	115.16	3.983	
18,900.0	11,737.0	18,714.1	11,911.0	58.7	58.2	112.43	-7,370.3	-362.8	458.7	342.1	116.60	3.934	
19,000.0	11,737.0	18,814.1	11,911.0	59.4	58.9	112.43	-7,470.3	-362.1	458.7	340.7	118.04	3.886	
19,100.0	11,737.0	18,914.1	11,911.0	60.2	59.6	112.43	-7,570.3	-361.5	458.7	339.2	119.49	3.839	
19,200.0	11,737.0	19,014.1	11,911.0	60.9	60.3	112.43	-7,670.3	-360.8	458.7	337.8	120.94	3.793	
19,300.0	11,737.0	19,114.1	11,911.0	61.7	61.1	112.43	-7,770.3	-360.2	458.7	336.3	122.39	3.748	
19,400.0	11,737.0	19,214.1	11,911.0	62.4	61.8	112.43	-7,870.3	-359.5	458.7	334.9	123.84	3.704	
19,500.0	11,737.0	19,314.1	11,911.0	63.1	62.5	112.43	-7,970.3	-358.9	458.7	333.4	125.29	3.661	
19,600.0	11,737.0	19,414.1	11,911.0	63.9	63.3	112.43	-8,070.3	-358.2	458.7	332.0	126.75	3.619	
19,700.0	11,737.0	19,514.1	11,911.0	64.6	64.0	112.43	-8,170.3	-357.6	458.7	330.5	128.20	3.578	
19,800.0	11,737.0	19,614.1	11,911.0	65.4	64.7	112.43	-8,270.3	-356.9	458.7	329.0	129.66	3.538	
19,900.0	11,737.0	19,714.1	11,911.0	66.1	65.5	112.43	-8,370.3	-356.3	458.7	327.6	131.12	3.498	
20,000.0	11,737.0	19,814.1	11,911.0	66.9	66.2	112.43	-8,470.3	-355.6	458.7	326.1	132.58	3.460	
20,100.0	11,737.0	19,914.1	11,911.0	67.6	66.9	112.43	-8,570.3	-355.0	458.7	324.7	134.04	3.422	
20,200.0	11,737.0	20,014.1	11,911.0	68.3	67.7	112.43	-8,670.3	-354.3	458.7	323.2	135.50	3.385	
20,300.0	11,737.0	20,114.1	11,911.0	69.1	68.4	112.43	-8,770.3	-353.7	458.7	321.7	136.96	3.349	
20,400.0	11,737.0	20,214.1	11,911.0	69.8	69.1	112.43	-8,870.3	-353.0	458.7	320.3	138.43	3.314	
20,500.0	11,737.0	20,314.1	11,911.0	70.6	69.9	112.43	-8,970.2	-352.4	458.7	318.8	139.89	3.279	
20,600.0	11,737.0	20,414.1	11,911.0	71.3	70.6	112.43	-9,070.2	-351.7	458.7	317.3	141.36	3.245	
20,700.0	11,737.0	20,514.1	11,911.0	72.1	71.4	112.43	-9,170.2	-351.0	458.7	315.9	142.82	3.212	
20,800.0	11,737.0	20,614.1	11,911.0	72.8	72.1	112.43	-9,270.2	-350.4	458.7	314.4	144.29	3.179	
20,900.0	11,737.0	20,714.1	11,911.0	73.6	72.8	112.43	-9,370.2	-349.7	458.7	312.9	145.76	3.147	
21,000.0	11,737.0	20,814.1	11,911.0	74.3	73.6	112.43	-9,470.2	-349.1	458.7	311.5	147.23	3.115	
21,100.0	11,737.0	20,914.1	11,911.0	75.1	74.3	112.43	-9,570.2	-348.4	458.7	310.0	148.70	3.085	
21,200.0	11,737.0	21,014.1	11,911.0	75.8	75.1	112.43	-9,670.2	-347.8	458.7	308.5	150.17	3.054	
21,300.0	11,737.0	21,114.1	11,911.0	76.6	75.8	112.43	-9,770.2	-347.1	458.7	307.0	151.65	3.025	
21,400.0	11,737.0	21,214.1	11,911.0	77.3	76.6	112.43	-9,870.2	-346.5	458.7	305.6	153.12	2.996	
21,500.0	11,737.0	21,314.1	11,911.0	78.1	77.3	112.43	-9,970.2	-345.8	458.7	304.1	154.59	2.967	
21,545.5	11,737.0	21,359.7	11,911.0	78.4	77.6	112.43	-10,015.8	-345.5	458.7	303.4	155.26	2.954	
21,594.7	11,737.0	21,408.8	11,911.0	78.8	78.0	112.43	-10,064.9	-345.2	458.7	302.7	155.98	2.941	
21,595.5	11,737.0	21,409.6	11,911.0	78.8	78.0	112.43	-10,065.7	-345.2	458.7	302.7	155.99	2.940 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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	123.62	-16.7	25.1	30.1	23.1	6.98	4.311	
100.0	100.0	100.0	100.0	3.1	3.1	123.62	-16.7	25.1	30.1	22.9	7.23	4.165	
200.0	200.0	200.0	200.0	3.2	3.2	123.62	-16.7	25.1	30.1	22.6	7.46	4.032	
300.0	300.0	300.0	300.0	3.4	3.4	123.62	-16.7	25.1	30.1	22.4	7.70	3.911	
400.0	400.0	400.0	400.0	3.5	3.5	123.62	-16.7	25.1	30.1	22.2	7.92	3.799	
500.0	500.0	500.0	500.0	3.6	3.6	123.62	-16.7	25.1	30.1	22.0	8.14	3.696	
600.0	600.0	600.0	600.0	3.7	3.7	123.62	-16.7	25.1	30.1	21.7	8.36	3.600	
700.0	700.0	700.0	700.0	3.9	3.9	123.62	-16.7	25.1	30.1	21.5	8.57	3.511	
800.0	800.0	800.0	800.0	4.0	4.0	123.62	-16.7	25.1	30.1	21.3	8.78	3.428	
900.0	900.0	900.0	900.0	4.1	4.1	123.62	-16.7	25.1	30.1	21.1	8.98	3.350	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	123.62	-16.7	25.1	30.1	20.9	9.18	3.277	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	123.62	-16.7	25.1	30.1	20.7	9.38	3.208	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	123.62	-16.7	25.1	30.1	20.5	9.58	3.142	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	123.62	-16.7	25.1	30.1	20.3	9.77	3.080	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	123.62	-16.7	25.1	30.1	20.1	9.96	3.021	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	123.62	-16.7	25.1	30.1	19.9	10.15	2.966 CC, ES	
1,600.0	1,600.0	1,599.2	1,599.1	5.0	4.9	121.58	-16.5	26.8	31.4	21.3	10.11	3.108	
1,700.0	1,700.0	1,698.1	1,697.9	5.1	5.1	116.42	-15.8	31.9	35.6	25.2	10.45	3.411	
1,800.0	1,800.0	1,796.6	1,796.0	5.3	5.3	110.16	-14.8	40.3	43.1	32.3	10.81	3.987	
1,900.0	1,900.0	1,894.3	1,893.1	5.4	5.6	104.42	-13.4	52.0	54.1	42.9	11.20	4.828	
2,000.0	2,000.0	1,993.3	1,991.0	5.6	5.8	100.09	-11.7	65.6	67.2	55.7	11.59	5.804	
2,100.0	2,100.0	2,092.3	2,089.1	5.7	6.1	97.19	-10.0	79.3	80.7	68.7	11.99	6.728	
2,200.0	2,200.0	2,191.3	2,187.2	5.8	6.3	95.11	-8.3	93.0	94.2	81.8	12.41	7.592	
2,300.0	2,300.0	2,290.3	2,285.2	6.0	6.6	93.56	-6.6	106.7	107.9	95.0	12.85	8.394	
2,400.0	2,400.0	2,389.4	2,383.3	6.1	6.9	92.36	-5.0	120.3	121.6	108.3	13.31	9.138	
2,500.0	2,500.0	2,488.4	2,481.4	6.2	7.3	91.40	-3.3	134.0	135.3	121.6	13.77	9.826	
2,600.0	2,600.0	2,587.4	2,579.4	6.3	7.6	90.62	-1.6	147.7	149.1	134.9	14.25	10.463	
2,700.0	2,700.0	2,686.4	2,677.5	6.5	7.9	89.97	0.1	161.4	162.9	148.2	14.74	11.052	
2,800.0	2,800.0	2,785.5	2,775.6	6.6	8.3	89.43	1.8	175.0	176.8	161.5	15.24	11.596	
2,900.0	2,900.0	2,884.5	2,873.6	6.7	8.6	88.96	3.4	188.7	190.6	174.8	15.75	12.101	
3,000.0	3,000.0	2,983.5	2,971.7	6.8	9.0	88.55	5.1	202.4	204.4	188.2	16.27	12.568	
3,100.0	3,100.0	3,082.5	3,069.7	7.0	9.4	88.20	6.8	216.1	218.3	201.5	16.79	13.002	
3,200.0	3,200.0	3,181.6	3,167.8	7.1	9.7	87.89	8.5	229.8	232.2	214.8	17.32	13.405	
3,300.0	3,300.0	3,280.6	3,265.9	7.2	10.1	87.61	10.2	243.4	246.0	228.2	17.85	13.780	
3,400.0	3,400.0	3,379.6	3,363.9	7.3	10.5	87.36	11.8	257.1	259.9	241.5	18.39	14.130	
3,500.0	3,500.0	3,478.7	3,462.0	7.4	10.9	87.14	13.5	270.8	273.8	254.8	18.94	14.456	
3,600.0	3,600.0	3,577.7	3,560.1	7.5	11.3	86.94	15.2	284.5	287.7	268.2	19.49	14.761	
3,700.0	3,700.0	3,676.7	3,658.1	7.7	11.6	86.76	16.9	298.2	301.6	281.5	20.04	15.047	
3,800.0	3,800.0	3,775.7	3,756.2	7.8	12.0	86.60	18.6	311.8	315.4	294.8	20.60	15.314	
3,900.0	3,900.0	3,874.8	3,854.2	7.9	12.4	86.44	20.2	325.5	329.3	308.2	21.16	15.565	
4,000.0	4,000.0	3,973.8	3,952.3	8.0	12.8	86.30	21.9	339.2	343.2	321.5	21.72	15.801	
4,100.0	4,100.0	4,072.8	4,050.4	8.1	13.2	86.18	23.6	352.9	357.1	334.8	22.29	16.023	
4,200.0	4,200.0	4,171.8	4,148.4	8.2	13.6	86.06	25.3	366.6	371.0	348.2	22.86	16.232	
4,300.0	4,300.0	4,270.9	4,246.5	8.3	14.0	85.95	26.9	380.2	384.9	361.5	23.42	16.437	
4,400.0	4,400.0	4,376.5	4,351.2	8.4	14.5	85.84	28.6	394.0	398.1	374.1	24.02	16.571	
4,500.0	4,500.0	4,483.4	4,457.4	8.6	14.9	85.76	30.1	406.1	409.4	384.8	24.62	16.630	
4,600.0	4,600.0	4,590.7	4,564.2	8.7	15.3	85.69	31.4	416.2	418.9	393.7	25.19	16.629	
4,700.0	4,700.0	4,698.3	4,671.5	8.8	15.7	85.64	32.4	424.3	426.5	400.8	25.74	16.573	
4,800.0	4,800.0	4,806.2	4,779.3	8.9	16.0	85.60	33.1	430.5	432.3	406.0	26.25	16.469	
4,900.0	4,900.0	4,914.3	4,887.3	9.0	16.4	85.58	33.6	434.6	436.1	409.4	26.71	16.327	
5,000.0	5,000.0	5,022.6	4,995.5	9.1	16.7	85.56	33.9	436.7	438.1	411.0	27.09	16.173	
5,100.0	5,100.0	5,127.1	5,100.0	9.2	16.8	85.56	33.9	437.0	438.4	411.1	27.26	16.080	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
5,200.0	5,200.0	5,227.1	5,200.0	9.3	16.8	85.56	33.9	437.0	438.4	411.0	27.40	16.001	
5,300.0	5,300.0	5,327.1	5,300.0	9.4	16.9	85.56	33.9	437.0	438.4	410.8	27.52	15.926	
5,400.0	5,400.0	5,427.1	5,400.0	9.5	16.9	85.56	33.9	437.0	438.4	410.7	27.65	15.853	
5,500.0	5,500.0	5,527.1	5,500.0	9.6	16.9	85.56	33.9	437.0	438.4	410.6	27.78	15.780	
5,600.0	5,600.0	5,627.1	5,600.0	9.7	17.0	85.56	33.9	437.0	438.4	410.4	27.91	15.707	
5,700.0	5,700.0	5,727.1	5,700.0	9.8	17.0	85.56	33.9	437.0	438.4	410.3	28.04	15.635	
5,800.0	5,800.0	5,827.1	5,800.0	9.9	17.1	85.56	33.9	437.0	438.4	410.2	28.17	15.563	
5,900.0	5,900.0	5,927.1	5,900.0	10.0	17.1	85.56	33.9	437.0	438.4	410.1	28.30	15.492	
6,000.0	6,000.0	6,027.1	6,000.0	10.1	17.2	85.56	33.9	437.0	438.4	409.9	28.43	15.421	
6,100.0	6,100.0	6,127.1	6,100.0	10.2	17.2	85.56	33.9	437.0	438.4	409.8	28.56	15.351	
6,200.0	6,200.0	6,227.1	6,200.0	10.3	17.3	85.56	33.9	437.0	438.4	409.7	28.69	15.281	
6,300.0	6,300.0	6,327.1	6,300.0	10.4	17.3	85.56	33.9	437.0	438.4	409.5	28.82	15.212	
6,400.0	6,400.0	6,427.1	6,400.0	10.5	17.4	85.56	33.9	437.0	438.4	409.4	28.95	15.143	
6,500.0	6,500.0	6,527.1	6,500.0	10.6	17.4	85.56	33.9	437.0	438.4	409.3	29.08	15.074	
6,600.0	6,600.0	6,627.1	6,600.0	10.7	17.5	85.56	33.9	437.0	438.4	409.1	29.21	15.006	
6,700.0	6,700.0	6,727.1	6,700.0	10.8	17.5	85.56	33.9	437.0	438.4	409.0	29.34	14.939	
6,800.0	6,800.0	6,827.1	6,800.0	10.9	17.6	85.56	33.9	437.0	438.4	408.9	29.48	14.872	
6,900.0	6,900.0	6,927.1	6,900.0	11.0	17.6	85.56	33.9	437.0	438.4	408.7	29.61	14.805	
7,000.0	7,000.0	7,027.1	7,000.0	11.1	17.7	85.56	33.9	437.0	438.4	408.6	29.74	14.739	
7,100.0	7,100.0	7,127.1	7,100.0	11.2	17.7	85.56	33.9	437.0	438.4	408.5	29.87	14.673	
7,200.0	7,200.0	7,227.1	7,200.0	11.3	17.8	85.56	33.9	437.0	438.4	408.3	30.01	14.608	
7,300.0	7,300.0	7,327.1	7,300.0	11.4	17.8	85.56	33.9	437.0	438.4	408.2	30.14	14.543	
7,400.0	7,400.0	7,427.1	7,400.0	11.5	17.9	85.56	33.9	437.0	438.4	408.1	30.28	14.479	
7,500.0	7,500.0	7,527.1	7,500.0	11.6	17.9	85.56	33.9	437.0	438.4	407.9	30.41	14.415	
7,600.0	7,600.0	7,627.1	7,600.0	11.7	18.0	85.56	33.9	437.0	438.4	407.8	30.54	14.351	
7,700.0	7,700.0	7,727.1	7,700.0	11.8	18.0	85.56	33.9	437.0	438.4	407.7	30.68	14.288	
7,800.0	7,800.0	7,827.1	7,800.0	11.9	18.1	85.56	33.9	437.0	438.4	407.5	30.81	14.226	
7,900.0	7,900.0	7,927.1	7,900.0	12.0	18.1	85.56	33.9	437.0	438.4	407.4	30.95	14.163	
8,000.0	8,000.0	8,027.1	8,000.0	12.1	18.2	85.56	33.9	437.0	438.4	407.3	31.09	14.102	
8,100.0	8,100.0	8,127.1	8,100.0	12.2	18.2	85.56	33.9	437.0	438.4	407.1	31.22	14.040	
8,200.0	8,200.0	8,227.1	8,200.0	12.3	18.3	85.56	33.9	437.0	438.4	407.0	31.36	13.979	
8,300.0	8,300.0	8,327.1	8,300.0	12.4	18.3	85.56	33.9	437.0	438.4	406.9	31.49	13.919	
8,400.0	8,400.0	8,427.1	8,400.0	12.5	18.4	85.56	33.9	437.0	438.4	406.7	31.63	13.859	
8,500.0	8,500.0	8,527.1	8,500.0	12.6	18.5	85.56	33.9	437.0	438.4	406.6	31.77	13.799	
8,600.0	8,600.0	8,627.1	8,600.0	12.7	18.5	85.56	33.9	437.0	438.4	406.5	31.90	13.740	
8,700.0	8,700.0	8,727.1	8,700.0	12.8	18.6	85.56	33.9	437.0	438.4	406.3	32.04	13.681	
8,800.0	8,800.0	8,827.1	8,800.0	12.9	18.6	85.56	33.9	437.0	438.4	406.2	32.18	13.623	
8,900.0	8,900.0	8,927.1	8,900.0	13.0	18.7	85.56	33.9	437.0	438.4	406.0	32.32	13.565	
9,000.0	9,000.0	9,027.1	9,000.0	13.0	18.7	85.56	33.9	437.0	438.4	405.9	32.45	13.507	
9,100.0	9,100.0	9,127.1	9,100.0	13.1	18.8	85.56	33.9	437.0	438.4	405.8	32.59	13.450	
9,200.0	9,200.0	9,227.1	9,200.0	13.2	18.8	85.56	33.9	437.0	438.4	405.6	32.73	13.393	
9,300.0	9,300.0	9,327.1	9,300.0	13.3	18.9	85.56	33.9	437.0	438.4	405.5	32.87	13.336	
9,400.0	9,400.0	9,427.1	9,400.0	13.4	18.9	85.56	33.9	437.0	438.4	405.3	33.01	13.280	
9,500.0	9,500.0	9,527.1	9,500.0	13.5	19.0	85.56	33.9	437.0	438.4	405.2	33.15	13.225	
9,600.0	9,600.0	9,627.1	9,600.0	13.6	19.1	85.56	33.9	437.0	438.4	405.1	33.29	13.169	
9,700.0	9,700.0	9,727.1	9,700.0	13.7	19.1	85.56	33.9	437.0	438.4	404.9	33.43	13.115	
9,800.0	9,800.0	9,827.1	9,800.0	13.8	19.2	85.56	33.9	437.0	438.4	404.8	33.56	13.060	
9,900.0	9,900.0	9,927.1	9,900.0	13.9	19.2	85.56	33.9	437.0	438.4	404.7	33.70	13.006	
10,000.0	10,000.0	10,027.1	10,000.0	14.0	19.3	85.56	33.9	437.0	438.4	404.5	33.84	12.952	
10,100.0	10,100.0	10,127.1	10,100.0	14.1	19.3	85.56	33.9	437.0	438.4	404.4	33.98	12.899	
10,200.0	10,200.0	10,227.1	10,200.0	14.2	19.4	85.56	33.9	437.0	438.4	404.2	34.13	12.846	
10,300.0	10,300.0	10,327.1	10,300.0	14.3	19.4	85.56	33.9	437.0	438.4	404.1	34.27	12.793	

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 #753H
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 #753H	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	
10,400.0	10,400.0	10,427.1	10,400.0	14.4	19.5	85.56	33.9	437.0	438.4	404.0	34.41	12.741	
10,500.0	10,500.0	10,527.1	10,500.0	14.4	19.6	85.56	33.9	437.0	438.4	403.8	34.55	12.689	
10,600.0	10,600.0	10,627.1	10,600.0	14.5	19.6	85.56	33.9	437.0	438.4	403.7	34.69	12.637	
10,700.0	10,700.0	10,727.1	10,700.0	14.6	19.7	85.56	33.9	437.0	438.4	403.5	34.83	12.586	
10,800.0	10,800.0	10,827.1	10,800.0	14.7	19.7	85.56	33.9	437.0	438.4	403.4	34.97	12.535	
10,900.0	10,900.0	10,927.1	10,900.0	14.8	19.8	85.56	33.9	437.0	438.4	403.2	35.11	12.484	
11,000.0	11,000.0	11,027.1	11,000.0	14.9	19.9	85.56	33.9	437.0	438.4	403.1	35.25	12.434	
11,100.0	11,100.0	11,127.1	11,100.0	15.0	19.9	85.56	33.9	437.0	438.4	403.0	35.40	12.384	
11,200.0	11,200.0	11,227.1	11,200.0	15.1	20.0	85.56	33.9	437.0	438.4	402.8	35.54	12.335	
11,259.5	11,259.5	11,286.6	11,259.5	15.1	20.0	85.56	33.9	437.0	438.4	402.7	35.61	12.310	
11,275.0	11,275.0	11,302.1	11,275.0	15.1	20.0	-92.62	33.9	437.0	438.4	402.9	35.49	12.350	
11,300.0	11,300.0	11,327.0	11,300.0	15.1	20.0	-92.80	33.9	437.0	438.4	402.9	35.52	12.345	
11,325.0	11,324.8	11,351.9	11,324.8	15.2	20.0	-93.14	33.9	437.0	438.6	403.0	35.54	12.341	
11,350.0	11,349.5	11,376.5	11,349.5	15.2	20.1	-93.64	33.9	437.0	438.8	403.3	35.56	12.340	
11,375.0	11,373.9	11,400.9	11,373.9	15.2	20.1	-94.27	33.9	437.0	439.2	403.6	35.58	12.343	
11,400.0	11,398.0	11,425.1	11,398.0	15.2	20.1	-95.03	33.9	437.0	439.8	404.2	35.60	12.352	
11,425.0	11,421.7	11,448.8	11,421.7	15.2	20.1	-95.91	33.9	437.0	440.6	404.9	35.62	12.369	
11,450.0	11,445.0	11,473.6	11,446.6	15.2	20.1	-96.94	33.8	437.0	441.6	406.1	35.54	12.428	
11,475.0	11,467.8	11,501.1	11,474.0	15.3	20.1	-98.08	32.4	437.1	442.9	407.3	35.53	12.466	
11,500.0	11,490.0	11,529.3	11,502.0	15.3	20.1	-99.21	29.3	437.1	444.2	408.7	35.51	12.509	
11,525.0	11,511.5	11,558.2	11,530.5	15.3	20.1	-100.33	24.4	437.1	445.7	410.2	35.51	12.554	
11,550.0	11,532.4	11,587.9	11,559.4	15.3	20.1	-101.44	17.6	437.1	447.3	411.8	35.50	12.598	
11,575.0	11,552.5	11,618.3	11,588.5	15.4	20.1	-102.53	8.8	437.2	448.9	413.4	35.52	12.640	
11,600.0	11,571.9	11,649.6	11,617.8	15.4	20.1	-103.59	-2.2	437.3	450.6	415.1	35.55	12.676	
11,625.0	11,590.3	11,681.8	11,647.1	15.4	20.1	-104.63	-15.5	437.4	452.3	416.7	35.60	12.705	
11,650.0	11,607.9	11,714.8	11,676.1	15.4	20.1	-105.63	-31.1	437.5	454.0	418.3	35.69	12.723	
11,675.0	11,624.5	11,748.6	11,704.8	15.5	20.1	-106.60	-49.2	437.6	455.7	419.9	35.80	12.728	
11,700.0	11,640.1	11,783.4	11,732.7	15.5	20.1	-107.51	-69.8	437.7	457.2	421.3	35.95	12.720	
11,725.0	11,654.7	11,819.0	11,759.7	15.5	20.2	-108.38	-93.0	437.9	458.7	422.6	36.13	12.696	
11,750.0	11,668.2	11,855.4	11,785.5	15.6	20.2	-109.18	-118.7	438.0	460.0	423.7	36.34	12.659	
11,775.0	11,680.5	11,892.6	11,809.7	15.6	20.2	-109.91	-146.9	438.2	461.2	424.6	36.58	12.609	
11,800.0	11,691.8	11,930.5	11,832.0	15.6	20.2	-110.57	-177.5	438.4	462.2	425.3	36.83	12.548	
11,825.0	11,701.8	11,969.0	11,852.2	15.6	20.2	-111.14	-210.4	438.6	462.9	425.8	37.09	12.479	
11,850.0	11,710.6	12,008.1	11,869.9	15.7	20.3	-111.62	-245.2	438.9	463.3	426.0	37.35	12.405	
11,875.0	11,718.2	12,047.5	11,884.8	15.7	20.3	-112.00	-281.7	439.1	463.5	425.9	37.59	12.330	
11,900.0	11,724.5	12,087.3	11,896.7	15.7	20.3	-112.28	-319.7	439.3	463.4	425.6	37.81	12.257	
11,925.0	11,729.5	12,127.2	11,905.4	15.7	20.4	-112.45	-358.6	439.6	463.0	425.0	37.99	12.188	
11,950.0	11,733.3	12,167.1	11,910.8	15.7	20.4	-112.52	-398.1	439.9	462.3	424.1	38.12	12.126	
11,975.0	11,735.8	12,206.9	11,913.0	15.7	20.5	-112.47	-437.8	440.1	461.2	423.0	38.21	12.072	
12,000.0	11,736.9	12,234.0	11,913.0	15.7	20.5	-112.47	-464.9	440.3	460.2	422.0	38.27	12.027	
12,009.5	11,737.0	12,243.5	11,913.0	15.7	20.5	-112.50	-474.4	440.4	460.0	421.7	38.30	12.011	
12,083.4	11,737.0	12,317.4	11,913.0	15.8	20.7	-112.54	-548.3	440.8	459.1	420.5	38.56	11.906	
12,100.0	11,737.0	12,334.0	11,913.0	15.8	20.7	-112.54	-564.9	440.9	459.1	420.5	38.62	11.888	
12,200.0	11,737.0	12,434.0	11,913.0	16.0	20.9	-112.54	-664.9	441.6	459.1	420.1	39.02	11.765	
12,300.0	11,737.0	12,534.0	11,913.0	16.3	21.1	-112.54	-764.9	442.2	459.1	419.6	39.48	11.629	
12,400.0	11,737.0	12,634.0	11,913.0	16.6	21.4	-112.54	-864.9	442.9	459.1	419.1	39.99	11.481	
12,500.0	11,737.0	12,734.0	11,913.0	16.9	21.6	-112.54	-964.9	443.5	459.1	418.5	40.54	11.323	
12,600.0	11,737.0	12,834.0	11,913.0	17.3	21.9	-112.54	-1,064.9	444.2	459.1	417.9	41.15	11.155	
12,700.0	11,737.0	12,934.0	11,913.0	17.7	22.2	-112.54	-1,164.9	444.8	459.1	417.3	41.81	10.981	
12,800.0	11,737.0	13,034.0	11,913.0	18.1	22.6	-112.54	-1,264.9	445.5	459.1	416.6	42.51	10.800	
12,900.0	11,737.0	13,134.0	11,913.0	18.6	22.9	-112.54	-1,364.9	446.1	459.1	415.8	43.25	10.615	
13,000.0	11,737.0	13,234.0	11,913.0	19.0	23.3	-112.54	-1,464.9	446.8	459.1	415.0	44.03	10.427	

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 #753H
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 #753H	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				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,100.0	11,737.0	13,334.0	11,913.0	19.5	23.7	-112.54	-1,564.9	447.5	459.1	414.2	44.85	10.237	
13,200.0	11,737.0	13,434.0	11,913.0	20.0	24.1	-112.54	-1,664.9	448.1	459.1	413.4	45.70	10.045	
13,300.0	11,737.0	13,534.0	11,913.0	20.5	24.5	-112.54	-1,764.9	448.8	459.1	412.5	46.59	9.854	
13,400.0	11,737.0	13,634.0	11,913.0	21.0	25.0	-112.54	-1,864.9	449.4	459.1	411.6	47.51	9.663	
13,500.0	11,737.0	13,734.0	11,913.0	21.6	25.4	-112.54	-1,964.9	450.1	459.1	410.6	48.46	9.474	
13,600.0	11,737.0	13,834.0	11,913.0	22.1	25.9	-112.54	-2,064.9	450.7	459.1	409.6	49.44	9.286	
13,700.0	11,737.0	13,934.0	11,913.0	22.7	26.4	-112.54	-2,164.9	451.4	459.1	408.6	50.44	9.101	
13,800.0	11,737.0	14,034.0	11,913.0	23.3	26.9	-112.54	-2,264.9	452.0	459.1	407.6	51.47	8.919	
13,900.0	11,737.0	14,134.0	11,913.0	23.9	27.4	-112.54	-2,364.9	452.7	459.1	406.5	52.52	8.740	
14,000.0	11,737.0	14,234.0	11,913.0	24.5	27.9	-112.54	-2,464.9	453.3	459.1	405.5	53.60	8.565	
14,100.0	11,737.0	14,334.0	11,913.0	25.1	28.5	-112.54	-2,564.9	454.0	459.1	404.4	54.70	8.393	
14,200.0	11,737.0	14,434.0	11,913.0	25.7	29.0	-112.54	-2,664.9	454.6	459.1	403.3	55.81	8.225	
14,300.0	11,737.0	14,534.0	11,913.0	26.3	29.6	-112.54	-2,764.9	455.3	459.1	402.1	56.95	8.062	
14,400.0	11,737.0	14,634.0	11,913.0	26.9	30.1	-112.54	-2,864.9	455.9	459.1	401.0	58.10	7.902	
14,500.0	11,737.0	14,734.0	11,913.0	27.6	30.7	-112.54	-2,964.9	456.6	459.1	399.8	59.26	7.746	
14,600.0	11,737.0	14,834.0	11,913.0	28.2	31.3	-112.54	-3,064.9	457.2	459.1	398.6	60.45	7.595	
14,700.0	11,737.0	14,934.0	11,913.0	28.9	31.9	-112.54	-3,164.8	457.9	459.1	397.4	61.65	7.447	
14,800.0	11,737.0	15,034.0	11,913.0	29.5	32.5	-112.54	-3,264.8	458.5	459.1	396.2	62.86	7.303	
14,900.0	11,737.0	15,134.0	11,913.0	30.2	33.1	-112.54	-3,364.8	459.2	459.1	395.0	64.08	7.164	
15,000.0	11,737.0	15,234.0	11,913.0	30.9	33.7	-112.54	-3,464.8	459.8	459.1	393.8	65.32	7.028	
15,100.0	11,737.0	15,334.0	11,913.0	31.5	34.3	-112.54	-3,564.8	460.5	459.1	392.5	66.56	6.897	
15,200.0	11,737.0	15,434.0	11,913.0	32.2	34.9	-112.54	-3,664.8	461.1	459.1	391.2	67.82	6.769	
15,300.0	11,737.0	15,534.0	11,913.0	32.9	35.5	-112.54	-3,764.8	461.8	459.1	390.0	69.09	6.644	
15,400.0	11,737.0	15,634.0	11,913.0	33.6	36.2	-112.54	-3,864.8	462.4	459.1	388.7	70.37	6.524	
15,500.0	11,737.0	15,734.0	11,913.0	34.3	36.8	-112.54	-3,964.8	463.1	459.1	387.4	71.66	6.407	
15,600.0	11,737.0	15,834.0	11,913.0	34.9	37.5	-112.54	-4,064.8	463.7	459.1	386.1	72.95	6.293	
15,700.0	11,737.0	15,934.0	11,913.0	35.6	38.1	-112.54	-4,164.8	464.4	459.1	384.8	74.26	6.182	
15,800.0	11,737.0	16,034.0	11,913.0	36.3	38.7	-112.54	-4,264.8	465.0	459.1	383.5	75.57	6.075	
15,900.0	11,737.0	16,134.0	11,913.0	37.0	39.4	-112.54	-4,364.8	465.7	459.1	382.2	76.89	5.971	
16,000.0	11,737.0	16,234.0	11,913.0	37.7	40.1	-112.54	-4,464.8	466.3	459.1	380.9	78.22	5.869	
16,100.0	11,737.0	16,334.0	11,913.0	38.4	40.7	-112.54	-4,564.8	467.0	459.1	379.5	79.55	5.771	
16,200.0	11,737.0	16,434.0	11,913.0	39.1	41.4	-112.54	-4,664.8	467.6	459.1	378.2	80.89	5.675	
16,300.0	11,737.0	16,534.0	11,913.0	39.8	42.1	-112.54	-4,764.8	468.3	459.1	376.8	82.23	5.583	
16,400.0	11,737.0	16,634.0	11,913.0	40.5	42.7	-112.54	-4,864.8	468.9	459.1	375.5	83.58	5.492	
16,500.0	11,737.0	16,734.0	11,913.0	41.3	43.4	-112.54	-4,964.8	469.6	459.1	374.1	84.94	5.405	
16,600.0	11,737.0	16,834.0	11,913.0	42.0	44.1	-112.54	-5,064.8	470.2	459.1	372.8	86.30	5.319	
16,700.0	11,737.0	16,934.0	11,913.0	42.7	44.8	-112.54	-5,164.8	470.9	459.1	371.4	87.67	5.236	
16,800.0	11,737.0	17,034.0	11,913.0	43.4	45.4	-112.54	-5,264.8	471.5	459.1	370.0	89.04	5.156	
16,900.0	11,737.0	17,134.0	11,913.0	44.1	46.1	-112.54	-5,364.8	472.2	459.1	368.7	90.42	5.077	
17,000.0	11,737.0	17,234.0	11,913.0	44.8	46.8	-112.54	-5,464.8	472.8	459.1	367.3	91.80	5.001	
17,100.0	11,737.0	17,334.0	11,913.0	45.6	47.5	-112.54	-5,564.8	473.5	459.1	365.9	93.18	4.927	
17,200.0	11,737.0	17,434.0	11,913.0	46.3	48.2	-112.54	-5,664.8	474.1	459.1	364.5	94.57	4.854	
17,300.0	11,737.0	17,534.0	11,913.0	47.0	48.9	-112.54	-5,764.8	474.8	459.1	363.1	95.96	4.784	
17,400.0	11,737.0	17,634.0	11,913.0	47.7	49.6	-112.54	-5,864.8	475.4	459.1	361.7	97.35	4.715	
17,500.0	11,737.0	17,734.0	11,913.0	48.4	50.3	-112.54	-5,964.8	476.1	459.1	360.3	98.75	4.649	
17,600.0	11,737.0	17,834.0	11,913.0	49.2	51.0	-112.54	-6,064.8	476.7	459.1	358.9	100.16	4.584	
17,700.0	11,737.0	17,934.0	11,913.0	49.9	51.7	-112.54	-6,164.8	477.4	459.1	357.5	101.56	4.520	
17,800.0	11,737.0	18,034.0	11,913.0	50.6	52.4	-112.54	-6,264.8	478.0	459.1	356.1	102.97	4.458	
17,900.0	11,737.0	18,134.0	11,913.0	51.4	53.1	-112.54	-6,364.8	478.7	459.1	354.7	104.38	4.398	
18,000.0	11,737.0	18,234.0	11,913.0	52.1	53.8	-112.54	-6,464.8	479.3	459.1	353.3	105.79	4.339	
18,100.0	11,737.0	18,334.0	11,913.0	52.8	54.5	-112.54	-6,564.8	480.0	459.1	351.9	107.21	4.282	
18,200.0	11,737.0	18,434.0	11,913.0	53.6	55.2	-112.54	-6,664.8	480.7	459.1	350.4	108.63	4.226	

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 #753H
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 #753H	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		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)			
18,300.0	11,737.0	18,534.0	11,913.0	54.3	55.9	-112.54	-6,764.8	481.3	459.1	349.0	110.05	4.171	
18,400.0	11,737.0	18,634.0	11,913.0	55.0	56.7	-112.54	-6,864.8	482.0	459.1	347.6	111.48	4.118	
18,500.0	11,737.0	18,734.0	11,913.0	55.8	57.4	-112.54	-6,964.8	482.6	459.1	346.2	112.90	4.066	
18,600.0	11,737.0	18,834.0	11,913.0	56.5	58.1	-112.54	-7,064.8	483.3	459.1	344.7	114.33	4.015	
18,700.0	11,737.0	18,934.0	11,913.0	57.2	58.8	-112.54	-7,164.8	483.9	459.1	343.3	115.76	3.966	
18,800.0	11,737.0	19,034.0	11,913.0	58.0	59.5	-112.54	-7,264.8	484.6	459.1	341.9	117.19	3.917	
18,900.0	11,737.0	19,134.0	11,913.0	58.7	60.2	-112.54	-7,364.8	485.2	459.1	340.4	118.63	3.870	
19,000.0	11,737.0	19,234.0	11,913.0	59.4	61.0	-112.54	-7,464.8	485.9	459.1	339.0	120.06	3.824	
19,100.0	11,737.0	19,334.0	11,913.0	60.2	61.7	-112.54	-7,564.8	486.5	459.1	337.6	121.50	3.778	
19,200.0	11,737.0	19,434.0	11,913.0	60.9	62.4	-112.54	-7,664.8	487.2	459.1	336.1	122.94	3.734	
19,300.0	11,737.0	19,534.0	11,913.0	61.7	63.1	-112.54	-7,764.8	487.8	459.1	334.7	124.38	3.691	
19,400.0	11,737.0	19,634.0	11,913.0	62.4	63.8	-112.54	-7,864.7	488.5	459.1	333.2	125.83	3.648	
19,500.0	11,737.0	19,734.0	11,913.0	63.1	64.6	-112.54	-7,964.7	489.1	459.1	331.8	127.27	3.607	
19,600.0	11,737.0	19,834.0	11,913.0	63.9	65.3	-112.54	-8,064.7	489.8	459.1	330.3	128.72	3.566	
19,700.0	11,737.0	19,934.0	11,913.0	64.6	66.0	-112.54	-8,164.7	490.4	459.1	328.9	130.17	3.527	
19,800.0	11,737.0	20,034.0	11,913.0	65.4	66.8	-112.54	-8,264.7	491.1	459.1	327.5	131.62	3.488	
19,900.0	11,737.0	20,134.0	11,913.0	66.1	67.5	-112.54	-8,364.7	491.7	459.1	326.0	133.07	3.450	
20,000.0	11,737.0	20,234.0	11,913.0	66.9	68.2	-112.54	-8,464.7	492.4	459.1	324.5	134.52	3.413	
20,100.0	11,737.0	20,334.0	11,913.0	67.6	68.9	-112.54	-8,564.7	493.0	459.1	323.1	135.97	3.376	
20,200.0	11,737.0	20,434.0	11,913.0	68.3	69.7	-112.54	-8,664.7	493.7	459.1	321.6	137.43	3.340	
20,300.0	11,737.0	20,534.0	11,913.0	69.1	70.4	-112.54	-8,764.7	494.3	459.1	320.2	138.88	3.305	
20,400.0	11,737.0	20,634.0	11,913.0	69.8	71.1	-112.54	-8,864.7	495.0	459.1	318.7	140.34	3.271	
20,500.0	11,737.0	20,734.0	11,913.0	70.6	71.9	-112.54	-8,964.7	495.6	459.1	317.3	141.80	3.237	
20,600.0	11,737.0	20,834.0	11,913.0	71.3	72.6	-112.54	-9,064.7	496.3	459.1	315.8	143.26	3.204	
20,700.0	11,737.0	20,934.0	11,913.0	72.1	73.3	-112.54	-9,164.7	496.9	459.1	314.3	144.72	3.172	
20,800.0	11,737.0	21,034.0	11,913.0	72.8	74.1	-112.54	-9,264.7	497.6	459.1	312.9	146.18	3.140	
20,900.0	11,737.0	21,134.0	11,913.0	73.6	74.8	-112.54	-9,364.7	498.2	459.1	311.4	147.64	3.109	
21,000.0	11,737.0	21,234.0	11,913.0	74.3	75.5	-112.54	-9,464.7	498.9	459.1	310.0	149.10	3.079	
21,100.0	11,737.0	21,334.0	11,913.0	75.1	76.3	-112.54	-9,564.7	499.5	459.1	308.5	150.57	3.049	
21,200.0	11,737.0	21,434.0	11,913.0	75.8	77.0	-112.54	-9,664.7	500.2	459.1	307.0	152.03	3.019	
21,300.0	11,737.0	21,534.0	11,913.0	76.6	77.7	-112.54	-9,764.7	500.8	459.1	305.6	153.50	2.991	
21,400.0	11,737.0	21,634.0	11,913.0	77.3	78.5	-112.54	-9,864.7	501.5	459.1	304.1	154.97	2.962	
21,500.0	11,737.0	21,734.0	11,913.0	78.1	79.2	-112.54	-9,964.7	502.1	459.1	302.6	156.43	2.935	
21,545.5	11,737.0	21,779.5	11,913.0	78.4	79.6	-112.54	-10,010.2	502.4	459.1	302.0	157.10	2.922	
21,595.5	11,737.0	21,829.5	11,913.0	78.8	79.9	-112.54	-10,060.2	502.8	459.1	301.2	157.83	2.909 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	123.74	-33.5	50.2	60.4	53.4	6.98	8.651	
100.0	100.0	100.0	100.0	3.1	3.1	123.74	-33.5	50.2	60.4	53.2	7.23	8.358	
200.0	200.0	200.0	200.0	3.2	3.2	123.74	-33.5	50.2	60.4	52.9	7.46	8.091	
300.0	300.0	300.0	300.0	3.4	3.4	123.74	-33.5	50.2	60.4	52.7	7.70	7.848	
400.0	400.0	400.0	400.0	3.5	3.5	123.74	-33.5	50.2	60.4	52.5	7.92	7.624	
500.0	500.0	500.0	500.0	3.6	3.6	123.74	-33.5	50.2	60.4	52.2	8.14	7.417	
600.0	600.0	600.0	600.0	3.7	3.7	123.74	-33.5	50.2	60.4	52.0	8.36	7.225	
700.0	700.0	700.0	700.0	3.9	3.9	123.74	-33.5	50.2	60.4	51.8	8.57	7.046	
800.0	800.0	800.0	800.0	4.0	4.0	123.74	-33.5	50.2	60.4	51.6	8.78	6.879	
900.0	900.0	900.0	900.0	4.1	4.1	123.74	-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	123.74	-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	123.74	-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	123.74	-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	123.74	-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	123.74	-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	123.74	-33.5	50.2	60.4	50.2	10.15	5.951 CC, ES	
1,600.0	1,600.0	1,598.3	1,598.3	5.0	4.9	122.78	-33.4	51.9	61.8	51.6	10.12	6.100	
1,700.0	1,700.0	1,696.4	1,696.3	5.1	5.1	120.15	-33.1	56.9	65.9	55.5	10.47	6.297	
1,800.0	1,800.0	1,794.0	1,793.5	5.3	5.3	116.47	-32.5	65.3	73.2	62.4	10.83	6.756	
1,900.0	1,900.0	1,891.0	1,889.8	5.4	5.6	112.42	-31.7	76.8	83.7	72.5	11.21	7.465	
2,000.0	2,000.0	1,987.1	1,984.7	5.6	5.9	108.54	-30.7	91.4	97.6	86.0	11.62	8.404	
2,100.0	2,100.0	2,082.0	2,078.0	5.7	6.2	105.11	-29.4	109.0	115.0	103.0	12.04	9.549	
2,200.0	2,200.0	2,179.2	2,173.0	5.8	6.5	102.25	-28.0	129.1	134.8	122.3	12.48	10.805	
2,300.0	2,300.0	2,277.0	2,268.7	6.0	6.8	100.10	-26.6	149.4	154.9	142.0	12.93	11.983	
2,400.0	2,400.0	2,374.8	2,364.4	6.1	7.1	98.44	-25.2	169.7	175.2	161.8	13.40	13.073	
2,500.0	2,500.0	2,472.6	2,460.1	6.2	7.4	97.13	-23.8	189.9	195.5	181.7	13.89	14.079	
2,600.0	2,600.0	2,570.4	2,555.8	6.3	7.8	96.07	-22.4	210.2	216.0	201.6	14.39	15.006	
2,700.0	2,700.0	2,668.2	2,651.4	6.5	8.1	95.19	-20.9	230.5	236.5	221.6	14.91	15.859	
2,800.0	2,800.0	2,766.0	2,747.1	6.6	8.5	94.45	-19.5	250.8	257.1	241.6	15.44	16.644	
2,900.0	2,900.0	2,863.9	2,842.8	6.7	8.9	93.82	-18.1	271.1	277.7	261.7	15.99	17.367	
3,000.0	3,000.0	2,961.7	2,938.5	6.8	9.3	93.28	-16.7	291.4	298.3	281.7	16.54	18.034	
3,100.0	3,100.0	3,059.5	3,034.1	7.0	9.6	92.80	-15.3	311.7	318.9	301.8	17.10	18.649	
3,200.0	3,200.0	3,157.3	3,129.8	7.1	10.0	92.39	-13.8	332.0	339.6	321.9	17.67	19.216	
3,300.0	3,300.0	3,255.1	3,225.5	7.2	10.4	92.02	-12.4	352.2	360.3	342.0	18.25	19.742	
3,400.0	3,400.0	3,352.9	3,321.2	7.3	10.9	91.69	-11.0	372.5	380.9	362.1	18.83	20.229	
3,500.0	3,500.0	3,450.7	3,416.8	7.4	11.3	91.40	-9.6	392.8	401.6	382.2	19.42	20.680	
3,600.0	3,600.0	3,548.6	3,512.5	7.5	11.7	91.13	-8.2	413.1	422.3	402.3	20.02	21.100	
3,700.0	3,700.0	3,646.4	3,608.2	7.7	12.1	90.89	-6.7	433.4	443.1	422.4	20.62	21.491	
3,800.0	3,800.0	3,744.2	3,703.9	7.8	12.5	90.67	-5.3	453.7	463.8	442.6	21.22	21.855	
3,900.0	3,900.0	3,842.0	3,799.6	7.9	12.9	90.47	-3.9	474.0	484.5	462.7	21.83	22.196	
4,000.0	4,000.0	3,939.8	3,895.2	8.0	13.4	90.29	-2.5	494.3	505.2	482.8	22.44	22.514	
4,100.0	4,100.0	4,037.6	3,990.9	8.1	13.8	90.12	-1.1	514.5	526.0	502.9	23.06	22.812	
4,200.0	4,200.0	4,135.4	4,086.6	8.2	14.2	89.96	0.3	534.8	546.7	523.0	23.68	23.092	
4,300.0	4,300.0	4,233.3	4,182.3	8.3	14.7	89.82	1.8	555.1	567.5	543.2	24.30	23.354	
4,400.0	4,400.0	4,331.1	4,277.9	8.4	15.1	89.68	3.2	575.4	588.2	563.3	24.92	23.601	
4,500.0	4,500.0	4,428.9	4,373.6	8.6	15.6	89.56	4.6	595.7	609.0	583.4	25.55	23.834	
4,600.0	4,600.0	4,526.7	4,469.3	8.7	16.0	89.44	6.0	616.0	629.7	603.5	26.18	24.054	
4,700.0	4,700.0	4,624.5	4,565.0	8.8	16.4	89.33	7.4	636.3	650.5	623.7	26.81	24.261	
4,800.0	4,800.0	4,722.3	4,660.7	8.9	16.9	89.23	8.9	656.6	671.2	643.8	27.45	24.457	
4,900.0	4,900.0	4,820.1	4,756.3	9.0	17.3	89.13	10.3	676.8	692.0	663.9	28.08	24.643	
5,000.0	5,000.0	4,918.0	4,852.0	9.1	17.8	89.04	11.7	697.1	712.8	684.0	28.72	24.819	
5,100.0	5,100.0	5,015.8	4,947.7	9.2	18.2	88.95	13.1	717.4	733.5	704.2	29.36	24.985	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,200.0	5,114.9	5,044.6	9.3	18.7	88.87	14.6	738.0	754.3	724.3	30.01	25.134	
5,300.0	5,300.0	5,228.0	5,155.5	9.4	19.2	88.79	16.1	760.1	773.9	743.2	30.74	25.177	
5,400.0	5,400.0	5,342.0	5,267.7	9.5	19.7	88.71	17.5	780.3	791.6	760.2	31.45	25.168	
5,500.0	5,500.0	5,456.7	5,381.0	9.6	20.2	88.65	18.8	798.3	807.3	775.2	32.15	25.115	
5,600.0	5,600.0	5,572.2	5,495.4	9.7	20.7	88.60	19.9	814.1	821.1	788.3	32.81	25.024	
5,700.0	5,700.0	5,688.2	5,610.6	9.8	21.1	88.56	20.8	827.7	832.8	799.4	33.45	24.897	
5,800.0	5,800.0	5,804.8	5,726.6	9.9	21.6	88.52	21.6	839.1	842.5	808.5	34.06	24.740	
5,900.0	5,900.0	5,921.7	5,843.2	10.0	22.0	88.50	22.2	848.0	850.2	815.6	34.62	24.561	
6,000.0	6,000.0	6,039.0	5,960.3	10.1	22.4	88.48	22.7	854.7	855.9	820.8	35.13	24.362	
6,100.0	6,100.0	6,156.5	6,077.7	10.2	22.8	88.47	23.0	858.9	859.5	823.9	35.59	24.153	
6,200.0	6,200.0	6,274.2	6,195.4	10.3	23.0	88.46	23.1	860.7	861.1	825.2	35.87	24.005	
6,300.0	6,300.0	6,378.8	6,300.0	10.4	23.1	88.46	23.1	860.8	861.1	825.1	35.99	23.924	
6,400.0	6,400.0	6,478.8	6,400.0	10.5	23.2	88.46	23.1	860.8	861.1	825.0	36.09	23.859	
6,500.0	6,500.0	6,578.8	6,500.0	10.6	23.2	88.46	23.1	860.8	861.1	824.9	36.19	23.792	
6,600.0	6,600.0	6,678.8	6,600.0	10.7	23.2	88.46	23.1	860.8	861.1	824.8	36.29	23.726	
6,700.0	6,700.0	6,778.8	6,700.0	10.8	23.3	88.46	23.1	860.8	861.1	824.7	36.40	23.660	
6,800.0	6,800.0	6,878.8	6,800.0	10.9	23.3	88.46	23.1	860.8	861.1	824.6	36.50	23.594	
6,900.0	6,900.0	6,978.8	6,900.0	11.0	23.3	88.46	23.1	860.8	861.1	824.5	36.60	23.529	
7,000.0	7,000.0	7,078.8	7,000.0	11.1	23.4	88.46	23.1	860.8	861.1	824.4	36.70	23.463	
7,100.0	7,100.0	7,178.8	7,100.0	11.2	23.4	88.46	23.1	860.8	861.1	824.3	36.81	23.397	
7,200.0	7,200.0	7,278.8	7,200.0	11.3	23.4	88.46	23.1	860.8	861.1	824.2	36.91	23.332	
7,300.0	7,300.0	7,378.8	7,300.0	11.4	23.5	88.46	23.1	860.8	861.1	824.1	37.01	23.266	
7,400.0	7,400.0	7,478.8	7,400.0	11.5	23.5	88.46	23.1	860.8	861.1	824.0	37.12	23.201	
7,500.0	7,500.0	7,578.8	7,500.0	11.6	23.5	88.46	23.1	860.8	861.1	823.9	37.22	23.136	
7,600.0	7,600.0	7,678.8	7,600.0	11.7	23.6	88.46	23.1	860.8	861.1	823.8	37.33	23.070	
7,700.0	7,700.0	7,778.8	7,700.0	11.8	23.6	88.46	23.1	860.8	861.1	823.7	37.43	23.006	
7,800.0	7,800.0	7,878.8	7,800.0	11.9	23.6	88.46	23.1	860.8	861.1	823.6	37.54	22.941	
7,900.0	7,900.0	7,978.8	7,900.0	12.0	23.7	88.46	23.1	860.8	861.1	823.5	37.64	22.876	
8,000.0	8,000.0	8,078.8	8,000.0	12.1	23.7	88.46	23.1	860.8	861.1	823.4	37.75	22.811	
8,100.0	8,100.0	8,178.8	8,100.0	12.2	23.7	88.46	23.1	860.8	861.1	823.3	37.86	22.747	
8,200.0	8,200.0	8,278.8	8,200.0	12.3	23.8	88.46	23.1	860.8	861.1	823.2	37.97	22.682	
8,300.0	8,300.0	8,378.8	8,300.0	12.4	23.8	88.46	23.1	860.8	861.1	823.1	38.07	22.618	
8,400.0	8,400.0	8,478.8	8,400.0	12.5	23.9	88.46	23.1	860.8	861.1	823.0	38.18	22.554	
8,500.0	8,500.0	8,578.8	8,500.0	12.6	23.9	88.46	23.1	860.8	861.1	822.9	38.29	22.490	
8,600.0	8,600.0	8,678.8	8,600.0	12.7	23.9	88.46	23.1	860.8	861.1	822.7	38.40	22.426	
8,700.0	8,700.0	8,778.8	8,700.0	12.8	24.0	88.46	23.1	860.8	861.1	822.6	38.51	22.363	
8,800.0	8,800.0	8,878.8	8,800.0	12.9	24.0	88.46	23.1	860.8	861.1	822.5	38.62	22.299	
8,900.0	8,900.0	8,978.8	8,900.0	13.0	24.0	88.46	23.1	860.8	861.1	822.4	38.73	22.236	
9,000.0	9,000.0	9,078.8	9,000.0	13.0	24.1	88.46	23.1	860.8	861.1	822.3	38.84	22.173	
9,100.0	9,100.0	9,178.8	9,100.0	13.1	24.1	88.46	23.1	860.8	861.1	822.2	38.95	22.109	
9,200.0	9,200.0	9,278.8	9,200.0	13.2	24.2	88.46	23.1	860.8	861.1	822.1	39.06	22.047	
9,300.0	9,300.0	9,378.8	9,300.0	13.3	24.2	88.46	23.1	860.8	861.1	822.0	39.17	21.984	
9,400.0	9,400.0	9,478.8	9,400.0	13.4	24.2	88.46	23.1	860.8	861.1	821.9	39.28	21.921	
9,500.0	9,500.0	9,578.8	9,500.0	13.5	24.3	88.46	23.1	860.8	861.1	821.7	39.40	21.859	
9,600.0	9,600.0	9,678.8	9,600.0	13.6	24.3	88.46	23.1	860.8	861.1	821.6	39.51	21.797	
9,700.0	9,700.0	9,778.8	9,700.0	13.7	24.4	88.46	23.1	860.8	861.1	821.5	39.62	21.734	
9,800.0	9,800.0	9,878.8	9,800.0	13.8	24.4	88.46	23.1	860.8	861.1	821.4	39.73	21.673	
9,900.0	9,900.0	9,978.8	9,900.0	13.9	24.4	88.46	23.1	860.8	861.1	821.3	39.85	21.611	
10,000.0	10,000.0	10,078.8	10,000.0	14.0	24.5	88.46	23.1	860.8	861.1	821.2	39.96	21.549	
10,100.0	10,100.0	10,178.8	10,100.0	14.1	24.5	88.46	23.1	860.8	861.1	821.1	40.08	21.488	
10,200.0	10,200.0	10,278.8	10,200.0	14.2	24.6	88.46	23.1	860.8	861.1	821.0	40.19	21.427	
10,300.0	10,300.0	10,378.8	10,300.0	14.3	24.6	88.46	23.1	860.8	861.1	820.8	40.31	21.366	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		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	
10,400.0	10,400.0	10,478.8	10,400.0	14.4	24.7	88.46	23.1	860.8	861.1	820.7	40.42	21.305	
10,500.0	10,500.0	10,578.8	10,500.0	14.4	24.7	88.46	23.1	860.8	861.1	820.6	40.54	21.244	
10,600.0	10,600.0	10,678.8	10,600.0	14.5	24.7	88.46	23.1	860.8	861.1	820.5	40.65	21.183	
10,700.0	10,700.0	10,778.8	10,700.0	14.6	24.8	88.46	23.1	860.8	861.1	820.4	40.77	21.123	
10,800.0	10,800.0	10,878.8	10,800.0	14.7	24.8	88.46	23.1	860.8	861.1	820.3	40.88	21.063	
10,900.0	10,900.0	10,978.8	10,900.0	14.8	24.9	88.46	23.1	860.8	861.1	820.1	41.00	21.003	
11,000.0	11,000.0	11,078.8	11,000.0	14.9	24.9	88.46	23.1	860.8	861.1	820.0	41.12	20.943	
11,100.0	11,100.0	11,178.8	11,100.0	15.0	25.0	88.46	23.1	860.8	861.1	819.9	41.24	20.884	
11,200.0	11,200.0	11,278.8	11,200.0	15.1	25.0	88.46	23.1	860.8	861.1	819.8	41.35	20.824	
11,259.5	11,259.5	11,338.3	11,259.5	15.1	25.0	88.46	23.1	860.8	861.1	819.7	41.40	20.800	
11,275.0	11,275.0	11,354.3	11,275.5	15.1	25.0	-89.69	22.9	860.8	861.1	820.0	41.18	20.910	
11,300.0	11,300.0	11,380.3	11,301.5	15.1	25.0	-89.70	21.4	860.8	861.1	819.9	41.19	20.908	
11,325.0	11,324.8	11,406.3	11,327.2	15.2	25.0	-89.70	18.5	860.9	861.0	819.8	41.19	20.906	
11,350.0	11,349.5	11,432.2	11,352.8	15.2	25.0	-89.71	14.1	860.9	860.9	819.7	41.19	20.904	
11,375.0	11,373.9	11,458.1	11,378.1	15.2	25.0	-89.71	8.4	860.9	860.8	819.6	41.19	20.900	
11,400.0	11,398.0	11,484.1	11,403.1	15.2	25.0	-89.72	1.4	861.0	860.6	819.4	41.19	20.896	
11,425.0	11,421.7	11,510.0	11,427.6	15.2	25.0	-89.73	-7.0	861.0	860.4	819.2	41.19	20.890	
11,450.0	11,445.0	11,535.9	11,451.6	15.2	25.0	-89.74	-16.7	861.1	860.2	819.0	41.19	20.883	
11,475.0	11,467.8	11,561.8	11,475.0	15.3	25.0	-89.75	-27.7	861.2	859.9	818.7	41.19	20.876	
11,500.0	11,490.0	11,587.6	11,497.8	15.3	25.0	-89.76	-40.0	861.2	859.6	818.4	41.19	20.866	
11,525.0	11,511.5	11,613.5	11,519.9	15.3	25.0	-89.77	-53.4	861.3	859.2	818.0	41.20	20.856	
11,550.0	11,532.4	11,639.3	11,541.1	15.3	25.0	-89.78	-68.0	861.4	858.9	817.7	41.21	20.843	
11,575.0	11,552.5	11,665.1	11,561.6	15.4	25.0	-89.79	-83.7	861.5	858.5	817.3	41.22	20.830	
11,600.0	11,571.9	11,690.8	11,581.1	15.4	25.1	-89.80	-100.5	861.6	858.1	816.9	41.23	20.814	
11,625.0	11,590.3	11,716.5	11,599.7	15.4	25.1	-89.81	-118.3	861.8	857.6	816.4	41.24	20.797	
11,650.0	11,607.9	11,742.2	11,617.3	15.4	25.1	-89.83	-137.0	861.9	857.2	815.9	41.25	20.777	
11,675.0	11,624.5	11,767.8	11,633.8	15.5	25.1	-89.84	-156.6	862.0	856.7	815.4	41.27	20.756	
11,700.0	11,640.1	11,793.4	11,649.2	15.5	25.1	-89.85	-177.0	862.1	856.2	814.9	41.30	20.733	
11,725.0	11,654.7	11,819.0	11,663.5	15.5	25.1	-89.87	-198.2	862.3	855.6	814.3	41.32	20.707	
11,750.0	11,668.2	11,844.5	11,676.6	15.6	25.1	-89.88	-220.1	862.4	855.1	813.7	41.35	20.679	
11,775.0	11,680.5	11,870.0	11,688.5	15.6	25.1	-89.90	-242.6	862.6	854.5	813.1	41.38	20.649	
11,800.0	11,691.8	11,895.4	11,699.2	15.6	25.1	-89.91	-265.7	862.7	853.9	812.5	41.42	20.617	
11,825.0	11,701.8	11,920.8	11,708.6	15.6	25.2	-89.93	-289.3	862.9	853.3	811.9	41.46	20.582	
11,850.0	11,710.6	11,946.2	11,716.7	15.7	25.2	-89.94	-313.3	863.0	852.7	811.2	41.50	20.546	
11,875.0	11,718.2	11,971.5	11,723.5	15.7	25.2	-89.96	-337.6	863.2	852.1	810.5	41.55	20.507	
11,900.0	11,724.5	11,996.7	11,729.0	15.7	25.2	-89.98	-362.3	863.3	851.5	809.9	41.60	20.466	
11,925.0	11,729.5	12,021.9	11,733.2	15.7	25.3	-89.99	-387.1	863.5	850.8	809.2	41.66	20.423	
11,950.0	11,733.3	12,047.0	11,736.1	15.7	25.3	-90.01	-412.1	863.7	850.2	808.5	41.72	20.378	
11,975.0	11,735.8	12,072.1	11,737.7	15.7	25.3	-90.02	-437.1	863.8	849.5	807.8	41.79	20.331	
12,000.0	11,736.9	12,097.2	11,738.0	15.7	25.3	-90.04	-462.2	864.0	848.9	807.1	41.85	20.283	
12,009.5	11,737.0	12,106.7	11,738.0	15.7	25.4	-90.07	-471.7	864.1	848.7	806.8	41.88	20.264	
12,083.4	11,737.0	12,180.6	11,738.0	15.8	25.5	-90.07	-545.5	864.5	847.7	805.6	42.11	20.128	
12,100.0	11,737.0	12,197.2	11,738.0	15.8	25.5	-90.07	-562.1	864.6	847.7	805.5	42.17	20.104	
12,200.0	11,737.0	12,297.2	11,738.0	16.0	25.6	-90.07	-662.1	865.3	847.7	805.2	42.54	19.930	
12,300.0	11,737.0	12,397.2	11,738.0	16.3	25.8	-90.07	-762.1	865.9	847.7	804.8	42.95	19.735	
12,400.0	11,737.0	12,497.2	11,738.0	16.6	26.0	-90.07	-862.1	866.6	847.7	804.3	43.42	19.523	
12,500.0	11,737.0	12,597.2	11,738.0	16.9	26.3	-90.07	-962.1	867.2	847.7	803.8	43.93	19.295	
12,600.0	11,737.0	12,697.2	11,738.0	17.3	26.5	-90.07	-1,062.1	867.9	847.7	803.2	44.49	19.052	
12,700.0	11,737.0	12,797.2	11,738.0	17.7	26.8	-90.07	-1,162.1	868.5	847.7	802.6	45.10	18.797	
12,800.0	11,737.0	12,897.2	11,738.0	18.1	27.0	-90.07	-1,262.1	869.2	847.7	802.0	45.74	18.531	
12,900.0	11,737.0	12,997.2	11,738.0	18.6	27.4	-90.07	-1,362.1	869.8	847.7	801.3	46.43	18.257	
13,000.0	11,737.0	13,097.2	11,738.0	19.0	27.7	-90.07	-1,462.1	870.5	847.7	800.5	47.16	17.977	

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
13,100.0	11,737.0	13,197.2	11,738.0	19.5	28.0	-90.07	-1,562.1	871.2	847.7	799.8	47.92	17.691
13,200.0	11,737.0	13,297.2	11,738.0	20.0	28.4	-90.07	-1,662.1	871.8	847.7	799.0	48.71	17.402
13,300.0	11,737.0	13,397.2	11,738.0	20.5	28.7	-90.07	-1,762.1	872.5	847.7	798.2	49.54	17.110
13,400.0	11,737.0	13,497.2	11,738.0	21.0	29.1	-90.07	-1,862.1	873.1	847.7	797.3	50.41	16.818
13,500.0	11,737.0	13,597.2	11,738.0	21.6	29.5	-90.07	-1,962.1	873.8	847.7	796.4	51.30	16.525
13,600.0	11,737.0	13,697.2	11,738.0	22.1	29.9	-90.07	-2,062.1	874.4	847.7	795.5	52.22	16.234
13,700.0	11,737.0	13,797.2	11,738.0	22.7	30.3	-90.07	-2,162.1	875.1	847.7	794.5	53.16	15.945
13,800.0	11,737.0	13,897.2	11,738.0	23.3	30.8	-90.07	-2,262.1	875.7	847.7	793.6	54.14	15.658
13,900.0	11,737.0	13,997.2	11,738.0	23.9	31.2	-90.07	-2,362.1	876.4	847.7	792.6	55.13	15.375
14,000.0	11,737.0	14,097.2	11,738.0	24.5	31.7	-90.07	-2,462.1	877.0	847.7	791.6	56.15	15.096
14,100.0	11,737.0	14,197.2	11,738.0	25.1	32.2	-90.07	-2,562.1	877.7	847.7	790.5	57.20	14.821
14,200.0	11,737.0	14,297.2	11,738.0	25.7	32.6	-90.07	-2,662.1	878.3	847.7	789.4	58.26	14.551
14,300.0	11,737.0	14,397.2	11,738.0	26.3	33.1	-90.07	-2,762.1	879.0	847.7	788.4	59.34	14.286
14,400.0	11,737.0	14,497.2	11,738.0	26.9	33.6	-90.07	-2,862.1	879.6	847.7	787.3	60.44	14.026
14,500.0	11,737.0	14,597.2	11,738.0	27.6	34.2	-90.07	-2,962.1	880.3	847.7	786.1	61.56	13.771
14,600.0	11,737.0	14,697.2	11,738.0	28.2	34.7	-90.07	-3,062.1	880.9	847.7	785.0	62.69	13.522
14,700.0	11,737.0	14,797.2	11,738.0	28.9	35.2	-90.07	-3,162.1	881.6	847.7	783.9	63.84	13.279
14,800.0	11,737.0	14,897.2	11,738.0	29.5	35.7	-90.07	-3,262.1	882.2	847.7	782.7	65.00	13.041
14,900.0	11,737.0	14,997.2	11,738.0	30.2	36.3	-90.07	-3,362.1	882.9	847.7	781.5	66.18	12.809
15,000.0	11,737.0	15,097.2	11,738.0	30.9	36.8	-90.07	-3,462.1	883.5	847.7	780.3	67.37	12.583
15,100.0	11,737.0	15,197.2	11,738.0	31.5	37.4	-90.07	-3,562.1	884.2	847.7	779.1	68.57	12.362
15,200.0	11,737.0	15,297.2	11,738.0	32.2	38.0	-90.07	-3,662.1	884.8	847.7	777.9	69.79	12.147
15,300.0	11,737.0	15,397.2	11,738.0	32.9	38.5	-90.07	-3,762.1	885.5	847.7	776.7	71.02	11.937
15,400.0	11,737.0	15,497.2	11,738.0	33.6	39.1	-90.07	-3,862.1	886.1	847.7	775.5	72.25	11.733
15,500.0	11,737.0	15,597.2	11,738.0	34.3	39.7	-90.07	-3,962.1	886.8	847.7	774.2	73.50	11.533
15,600.0	11,737.0	15,697.2	11,738.0	34.9	40.3	-90.07	-4,062.1	887.4	847.7	772.9	74.76	11.340
15,700.0	11,737.0	15,797.2	11,738.0	35.6	40.9	-90.07	-4,162.1	888.1	847.7	771.7	76.02	11.151
15,800.0	11,737.0	15,897.2	11,738.0	36.3	41.5	-90.07	-4,262.1	888.7	847.7	770.4	77.30	10.967
15,900.0	11,737.0	15,997.2	11,738.0	37.0	42.1	-90.07	-4,362.1	889.4	847.7	769.1	78.58	10.788
16,000.0	11,737.0	16,097.2	11,738.0	37.7	42.7	-90.07	-4,462.1	890.0	847.7	767.8	79.87	10.613
16,100.0	11,737.0	16,197.2	11,738.0	38.4	43.4	-90.07	-4,562.1	890.7	847.7	766.5	81.17	10.444
16,200.0	11,737.0	16,297.2	11,738.0	39.1	44.0	-90.07	-4,662.1	891.3	847.7	765.2	82.47	10.278
16,300.0	11,737.0	16,397.2	11,738.0	39.8	44.6	-90.07	-4,762.1	892.0	847.7	763.9	83.79	10.117
16,400.0	11,737.0	16,497.2	11,738.0	40.5	45.2	-90.07	-4,862.1	892.6	847.7	762.6	85.10	9.961
16,500.0	11,737.0	16,597.2	11,738.0	41.3	45.9	-90.07	-4,962.1	893.3	847.7	761.3	86.43	9.808
16,600.0	11,737.0	16,697.2	11,738.0	42.0	46.5	-90.07	-5,062.1	893.9	847.7	759.9	87.76	9.659
16,700.0	11,737.0	16,797.2	11,738.0	42.7	47.2	-90.07	-5,162.0	894.6	847.7	758.6	89.10	9.515
16,800.0	11,737.0	16,897.2	11,738.0	43.4	47.8	-90.07	-5,262.0	895.2	847.7	757.3	90.44	9.373
16,900.0	11,737.0	16,997.2	11,738.0	44.1	48.5	-90.07	-5,362.0	895.9	847.7	755.9	91.78	9.236
17,000.0	11,737.0	17,097.2	11,738.0	44.8	49.1	-90.07	-5,462.0	896.5	847.7	754.6	93.14	9.102
17,100.0	11,737.0	17,197.2	11,738.0	45.6	49.8	-90.07	-5,562.0	897.2	847.7	753.2	94.49	8.971
17,200.0	11,737.0	17,297.2	11,738.0	46.3	50.4	-90.07	-5,662.0	897.8	847.7	751.8	95.85	8.844
17,300.0	11,737.0	17,397.2	11,738.0	47.0	51.1	-90.07	-5,762.0	898.5	847.7	750.5	97.22	8.720
17,400.0	11,737.0	17,497.2	11,738.0	47.7	51.8	-90.07	-5,862.0	899.1	847.7	749.1	98.59	8.599
17,500.0	11,737.0	17,597.2	11,738.0	48.4	52.4	-90.07	-5,962.0	899.8	847.7	747.7	99.96	8.480
17,600.0	11,737.0	17,697.2	11,738.0	49.2	53.1	-90.07	-6,062.0	900.4	847.7	746.4	101.34	8.365
17,700.0	11,737.0	17,797.2	11,738.0	49.9	53.8	-90.07	-6,162.0	901.1	847.7	745.0	102.72	8.253
17,800.0	11,737.0	17,897.2	11,738.0	50.6	54.4	-90.07	-6,262.0	901.7	847.7	743.6	104.10	8.143
17,900.0	11,737.0	17,997.2	11,738.0	51.4	55.1	-90.07	-6,362.0	902.4	847.7	742.2	105.49	8.036
18,000.0	11,737.0	18,097.2	11,738.0	52.1	55.8	-90.07	-6,462.0	903.0	847.7	740.8	106.88	7.931
18,100.0	11,737.0	18,197.2	11,738.0	52.8	56.5	-90.07	-6,562.0	903.7	847.7	739.4	108.27	7.829
18,200.0	11,737.0	18,297.2	11,738.0	53.6	57.2	-90.07	-6,662.0	904.4	847.7	738.0	109.67	7.730

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 #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Distance			Rule Assigned:			Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,300.0	11,737.0	18,397.2	11,738.0	54.3	57.9	-90.07	-6,762.0	905.0	847.7	736.6	111.07	7.632	
18,400.0	11,737.0	18,497.2	11,738.0	55.0	58.5	-90.07	-6,862.0	905.7	847.7	735.2	112.47	7.537	
18,500.0	11,737.0	18,597.2	11,738.0	55.8	59.2	-90.07	-6,962.0	906.3	847.7	733.8	113.88	7.444	
18,600.0	11,737.0	18,697.2	11,738.0	56.5	59.9	-90.07	-7,062.0	907.0	847.7	732.4	115.29	7.353	
18,700.0	11,737.0	18,797.2	11,738.0	57.2	60.6	-90.07	-7,162.0	907.6	847.7	731.0	116.70	7.264	
18,800.0	11,737.0	18,897.2	11,738.0	58.0	61.3	-90.07	-7,262.0	908.3	847.7	729.6	118.11	7.177	
18,900.0	11,737.0	18,997.2	11,738.0	58.7	62.0	-90.07	-7,362.0	908.9	847.7	728.2	119.52	7.092	
19,000.0	11,737.0	19,097.2	11,738.0	59.4	62.7	-90.07	-7,462.0	909.6	847.7	726.8	120.94	7.009	
19,100.0	11,737.0	19,197.2	11,738.0	60.2	63.4	-90.07	-7,562.0	910.2	847.7	725.3	122.36	6.928	
19,200.0	11,737.0	19,297.2	11,738.0	60.9	64.1	-90.07	-7,662.0	910.9	847.7	723.9	123.78	6.848	
19,300.0	11,737.0	19,397.2	11,738.0	61.7	64.8	-90.07	-7,762.0	911.5	847.7	722.5	125.20	6.771	
19,400.0	11,737.0	19,497.2	11,738.0	62.4	65.5	-90.07	-7,862.0	912.2	847.7	721.1	126.63	6.694	
19,500.0	11,737.0	19,597.2	11,738.0	63.1	66.2	-90.07	-7,962.0	912.8	847.7	719.6	128.05	6.620	
19,600.0	11,737.0	19,697.2	11,738.0	63.9	66.9	-90.07	-8,062.0	913.5	847.7	718.2	129.48	6.547	
19,700.0	11,737.0	19,797.2	11,738.0	64.6	67.6	-90.07	-8,162.0	914.1	847.7	716.8	130.91	6.475	
19,800.0	11,737.0	19,897.2	11,738.0	65.4	68.3	-90.07	-8,262.0	914.8	847.7	715.4	132.35	6.405	
19,900.0	11,737.0	19,997.2	11,738.0	66.1	69.1	-90.07	-8,362.0	915.4	847.7	713.9	133.78	6.337	
20,000.0	11,737.0	20,097.2	11,738.0	66.9	69.8	-90.07	-8,462.0	916.1	847.7	712.5	135.22	6.269	
20,100.0	11,737.0	20,197.2	11,738.0	67.6	70.5	-90.07	-8,562.0	916.7	847.7	711.0	136.65	6.203	
20,200.0	11,737.0	20,297.2	11,738.0	68.3	71.2	-90.07	-8,662.0	917.4	847.7	709.6	138.09	6.139	
20,300.0	11,737.0	20,397.2	11,738.0	69.1	71.9	-90.07	-8,762.0	918.0	847.7	708.2	139.53	6.075	
20,400.0	11,737.0	20,497.2	11,738.0	69.8	72.6	-90.07	-8,862.0	918.7	847.7	706.7	140.97	6.013	
20,500.0	11,737.0	20,597.2	11,738.0	70.6	73.3	-90.07	-8,962.0	919.3	847.7	705.3	142.41	5.952	
20,600.0	11,737.0	20,697.2	11,738.0	71.3	74.1	-90.07	-9,062.0	920.0	847.7	703.8	143.86	5.893	
20,700.0	11,737.0	20,797.2	11,738.0	72.1	74.8	-90.07	-9,162.0	920.6	847.7	702.4	145.30	5.834	
20,800.0	11,737.0	20,897.2	11,738.0	72.8	75.5	-90.07	-9,262.0	921.3	847.7	700.9	146.75	5.776	
20,900.0	11,737.0	20,997.2	11,738.0	73.6	76.2	-90.07	-9,362.0	921.9	847.7	699.5	148.20	5.720	
21,000.0	11,737.0	21,097.2	11,738.0	74.3	76.9	-90.07	-9,462.0	922.6	847.7	698.1	149.65	5.665	
21,100.0	11,737.0	21,197.2	11,738.0	75.1	77.7	-90.07	-9,562.0	923.2	847.7	696.6	151.10	5.610	
21,200.0	11,737.0	21,297.2	11,738.0	75.8	78.4	-90.07	-9,662.0	923.9	847.7	695.2	152.55	5.557	
21,300.0	11,737.0	21,397.2	11,738.0	76.6	79.1	-90.07	-9,762.0	924.5	847.7	693.7	154.00	5.505	
21,400.0	11,737.0	21,497.2	11,738.0	77.3	79.8	-90.07	-9,861.9	925.2	847.7	692.2	155.45	5.453	
21,500.0	11,737.0	21,597.2	11,738.0	78.1	80.6	-90.07	-9,961.9	925.8	847.7	690.8	156.91	5.403	
21,545.5	11,737.0	21,642.7	11,738.0	78.4	80.9	-90.07	-10,007.5	926.1	847.7	690.1	157.57	5.380	
21,595.5	11,737.0	21,692.7	11,738.0	78.8	81.2	-90.07	-10,057.5	926.5	847.7	689.4	158.29	5.355 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 #753H
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 #753H	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	123.72	-50.3	75.4	90.6	83.6	6.98	12.980	
100.0	100.0	101.0	101.0	3.1	3.1	123.72	-50.3	75.4	90.6	83.4	7.23	12.538	
200.0	200.0	201.0	201.0	3.2	3.3	123.72	-50.3	75.4	90.6	83.1	7.46	12.139	
300.0	300.0	301.0	301.0	3.4	3.4	123.72	-50.3	75.4	90.6	82.9	7.70	11.774	
400.0	400.0	401.0	401.0	3.5	3.5	123.72	-50.3	75.4	90.6	82.7	7.92	11.438	
500.0	500.0	501.0	501.0	3.6	3.6	123.72	-50.3	75.4	90.6	82.5	8.14	11.128	
600.0	600.0	601.0	601.0	3.7	3.7	123.72	-50.3	75.4	90.6	82.3	8.36	10.840	
700.0	700.0	701.0	701.0	3.9	3.9	123.72	-50.3	75.4	90.6	82.0	8.57	10.572	
800.0	800.0	801.0	801.0	4.0	4.0	123.72	-50.3	75.4	90.6	81.8	8.78	10.321	
900.0	900.0	901.0	901.0	4.1	4.1	123.72	-50.3	75.4	90.6	81.6	8.98	10.086	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.72	-50.3	75.4	90.6	81.4	9.19	9.865	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.72	-50.3	75.4	90.6	81.2	9.38	9.657	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.72	-50.3	75.4	90.6	81.0	9.58	9.460	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.72	-50.3	75.4	90.6	80.8	9.77	9.273	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.72	-50.3	75.4	90.6	80.7	9.96	9.096	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.72	-50.3	75.4	90.6	80.5	10.09	8.984 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	123.72	-50.3	75.4	90.6	80.5	10.15	8.930 ES, SF	
1,600.0	1,600.0	1,598.4	1,598.4	5.0	4.9	123.10	-50.2	77.1	92.0	81.9	10.13	9.085	
1,700.0	1,700.0	1,695.7	1,695.5	5.1	5.0	121.39	-50.1	82.0	96.3	85.8	10.48	9.182	
1,800.0	1,800.0	1,792.4	1,791.9	5.3	5.3	118.87	-49.8	90.3	103.5	92.6	10.85	9.541	
1,900.0	1,900.0	1,888.6	1,887.4	5.4	5.5	115.91	-49.4	101.7	113.8	102.6	11.22	10.145	
2,000.0	2,000.0	1,983.8	1,981.5	5.6	5.9	112.83	-48.9	116.1	127.5	115.9	11.62	10.972	
2,100.0	2,100.0	2,078.0	2,074.1	5.7	6.2	109.89	-48.3	133.4	144.4	132.4	12.03	12.003	
2,200.0	2,200.0	2,170.9	2,164.8	5.8	6.5	107.22	-47.6	153.5	164.8	152.3	12.47	13.214	
2,300.0	2,300.0	2,266.4	2,257.4	6.0	6.8	104.84	-46.8	176.5	187.7	174.8	12.92	14.528	
2,400.0	2,400.0	2,363.4	2,351.6	6.1	7.1	102.94	-46.0	199.9	211.0	197.6	13.39	15.758	
2,500.0	2,500.0	2,460.4	2,445.7	6.2	7.5	101.42	-45.1	223.4	234.5	220.6	13.88	16.892	
2,600.0	2,600.0	2,557.4	2,539.9	6.3	7.8	100.18	-44.3	246.8	258.1	243.7	14.39	17.935	
2,700.0	2,700.0	2,654.5	2,634.0	6.5	8.2	99.14	-43.5	270.3	281.8	266.9	14.92	18.892	
2,800.0	2,800.0	2,751.5	2,728.2	6.6	8.5	98.27	-42.7	293.8	305.6	290.2	15.46	19.772	
2,900.0	2,900.0	2,848.5	2,822.3	6.7	8.9	97.52	-41.9	317.2	329.5	313.5	16.01	20.579	
3,000.0	3,000.0	2,945.6	2,916.5	6.8	9.3	96.87	-41.0	340.7	353.4	336.8	16.58	21.320	
3,100.0	3,100.0	3,042.6	3,010.6	7.0	9.7	96.30	-40.2	364.1	377.3	360.2	17.15	22.003	
3,200.0	3,200.0	3,139.6	3,104.8	7.1	10.1	95.80	-39.4	387.6	401.3	383.6	17.73	22.631	
3,300.0	3,300.0	3,236.6	3,198.9	7.2	10.5	95.36	-38.6	411.1	425.3	407.0	18.32	23.210	
3,400.0	3,400.0	3,333.7	3,293.1	7.3	10.9	94.97	-37.8	434.5	449.3	430.4	18.92	23.745	
3,500.0	3,500.0	3,430.7	3,387.2	7.4	11.4	94.61	-36.9	458.0	473.3	453.8	19.53	24.240	
3,600.0	3,600.0	3,527.7	3,481.4	7.5	11.8	94.29	-36.1	481.4	497.4	477.2	20.14	24.699	
3,700.0	3,700.0	3,624.8	3,575.5	7.7	12.2	94.00	-35.3	504.9	521.4	500.7	20.75	25.125	
3,800.0	3,800.0	3,721.8	3,669.6	7.8	12.6	93.73	-34.5	528.3	545.5	524.1	21.38	25.521	
3,900.0	3,900.0	3,818.8	3,763.8	7.9	13.1	93.49	-33.7	551.8	569.6	547.6	22.00	25.889	
4,000.0	4,000.0	3,915.9	3,857.9	8.0	13.5	93.27	-32.8	575.3	593.7	571.1	22.63	26.233	
4,100.0	4,100.0	4,012.9	3,952.1	8.1	14.0	93.06	-32.0	598.7	617.8	594.5	23.27	26.554	
4,200.0	4,200.0	4,109.9	4,046.2	8.2	14.4	92.87	-31.2	622.2	641.9	618.0	23.90	26.854	
4,300.0	4,300.0	4,206.9	4,140.4	8.3	14.8	92.69	-30.4	645.6	666.0	641.5	24.54	27.136	
4,400.0	4,400.0	4,304.0	4,234.5	8.4	15.3	92.53	-29.6	669.1	690.1	664.9	25.19	27.400	
4,500.0	4,500.0	4,401.0	4,328.7	8.6	15.7	92.38	-28.7	692.6	714.3	688.4	25.83	27.648	
4,600.0	4,600.0	4,498.0	4,422.8	8.7	16.2	92.23	-27.9	716.0	738.4	711.9	26.48	27.882	
4,700.0	4,700.0	4,595.1	4,517.0	8.8	16.6	92.10	-27.1	739.5	762.5	735.4	27.13	28.102	
4,800.0	4,800.0	4,692.1	4,611.1	8.9	17.1	91.97	-26.3	762.9	786.7	758.9	27.79	28.310	
4,900.0	4,900.0	4,789.1	4,705.3	9.0	17.5	91.86	-25.5	786.4	810.8	782.3	28.44	28.506	
5,000.0	5,000.0	4,886.2	4,799.4	9.1	18.0	91.74	-24.7	809.9	834.9	805.8	29.10	28.692	

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 #753H
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 #753H	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 Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	5,100.0	4,983.2	4,893.6	9.2	18.5	91.64	-23.8	833.3	859.1	829.3	29.76	28.868		
5,200.0	5,200.0	5,080.2	4,987.7	9.3	18.9	91.54	-23.0	856.8	883.2	852.8	30.42	29.034		
5,300.0	5,300.0	5,177.2	5,081.9	9.4	19.4	91.44	-22.2	880.2	907.4	876.3	31.08	29.193		
5,400.0	5,400.0	5,274.3	5,176.0	9.5	19.8	91.35	-21.4	903.7	931.5	899.8	31.75	29.343		
5,500.0	5,500.0	5,371.3	5,270.2	9.6	20.3	91.27	-20.6	927.2	955.7	923.3	32.41	29.486		
5,600.0	5,600.0	5,468.3	5,364.3	9.7	20.7	91.19	-19.7	950.6	979.8	946.8	33.08	29.622		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	123.72	-67.1	100.5	120.8	113.8	6.98	17.308	
100.0	100.0	101.0	101.0	3.1	3.1	123.72	-67.1	100.5	120.8	113.6	7.23	16.719	
200.0	200.0	201.0	201.0	3.2	3.3	123.72	-67.1	100.5	120.8	113.4	7.46	16.186	
300.0	300.0	301.0	301.0	3.4	3.4	123.72	-67.1	100.5	120.8	113.1	7.70	15.699	
400.0	400.0	401.0	401.0	3.5	3.5	123.72	-67.1	100.5	120.8	112.9	7.92	15.251	
500.0	500.0	501.0	501.0	3.6	3.6	123.72	-67.1	100.5	120.8	112.7	8.14	14.838	
600.0	600.0	601.0	601.0	3.7	3.7	123.72	-67.1	100.5	120.8	112.5	8.36	14.454	
700.0	700.0	701.0	701.0	3.9	3.9	123.72	-67.1	100.5	120.8	112.3	8.57	14.096	
800.0	800.0	801.0	801.0	4.0	4.0	123.72	-67.1	100.5	120.8	112.0	8.78	13.762	
900.0	900.0	901.0	901.0	4.1	4.1	123.72	-67.1	100.5	120.8	111.8	8.98	13.449	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.72	-67.1	100.5	120.8	111.6	9.19	13.154	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.72	-67.1	100.5	120.8	111.4	9.38	12.877	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.72	-67.1	100.5	120.8	111.2	9.58	12.614	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.72	-67.1	100.5	120.8	111.1	9.77	12.365	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.72	-67.1	100.5	120.8	110.9	9.96	12.129	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.72	-67.1	100.5	120.8	110.7	10.09	11.980 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	123.72	-67.1	100.5	120.8	110.7	10.15	11.906 ES, SF	
1,600.0	1,600.0	1,597.6	1,597.6	5.0	4.9	123.27	-67.0	102.2	122.2	112.1	10.13	12.065	
1,700.0	1,700.0	1,694.0	1,693.8	5.1	5.0	122.02	-67.0	107.1	126.5	116.0	10.49	12.059	
1,800.0	1,800.0	1,789.9	1,789.4	5.3	5.2	120.12	-66.8	115.2	133.6	122.8	10.85	12.317	
1,900.0	1,900.0	1,885.2	1,884.1	5.4	5.5	117.80	-66.6	126.4	143.8	132.6	11.22	12.818	
2,000.0	2,000.0	1,979.7	1,977.4	5.6	5.8	115.28	-66.4	140.6	157.2	145.6	11.61	13.539	
2,100.0	2,100.0	2,073.1	2,069.3	5.7	6.2	112.74	-66.1	157.6	173.8	161.8	12.02	14.462	
2,200.0	2,200.0	2,165.3	2,159.3	5.8	6.5	110.33	-65.7	177.4	193.7	181.3	12.45	15.565	
2,300.0	2,300.0	2,256.1	2,247.4	6.0	6.8	108.12	-65.3	199.7	216.8	204.0	12.89	16.828	
2,400.0	2,400.0	2,349.1	2,336.8	6.1	7.2	106.09	-64.9	225.0	242.8	229.4	13.35	18.189	
2,500.0	2,500.0	2,445.2	2,429.2	6.2	7.5	104.37	-64.4	251.5	269.3	255.5	13.84	19.462	
2,600.0	2,600.0	2,541.3	2,521.6	6.3	7.8	102.96	-64.0	278.0	296.1	281.7	14.35	20.631	
2,700.0	2,700.0	2,637.5	2,614.0	6.5	8.2	101.78	-63.5	304.5	322.9	308.1	14.88	21.703	
2,800.0	2,800.0	2,733.6	2,706.4	6.6	8.6	100.79	-63.0	331.0	349.9	334.5	15.43	22.685	
2,900.0	2,900.0	2,829.7	2,798.8	6.7	8.9	99.93	-62.6	357.4	377.0	361.0	15.98	23.585	
3,000.0	3,000.0	2,925.8	2,891.2	6.8	9.3	99.19	-62.1	383.9	404.1	387.6	16.56	24.410	
3,100.0	3,100.0	3,022.0	2,983.6	7.0	9.7	98.54	-61.7	410.4	431.3	414.2	17.14	25.166	
3,200.0	3,200.0	3,118.1	3,076.0	7.1	10.1	97.97	-61.2	436.9	458.5	440.8	17.73	25.861	
3,300.0	3,300.0	3,214.2	3,168.4	7.2	10.5	97.47	-60.7	463.4	485.8	467.5	18.33	26.500	
3,400.0	3,400.0	3,310.3	3,260.8	7.3	11.0	97.01	-60.3	489.9	513.1	494.2	18.94	27.089	
3,500.0	3,500.0	3,406.5	3,353.2	7.4	11.4	96.61	-59.8	516.4	540.4	520.9	19.56	27.632	
3,600.0	3,600.0	3,502.6	3,445.6	7.5	11.8	96.24	-59.3	542.9	567.8	547.6	20.18	28.133	
3,700.0	3,700.0	3,598.7	3,538.1	7.7	12.2	95.90	-58.9	569.4	595.2	574.3	20.81	28.598	
3,800.0	3,800.0	3,694.8	3,630.5	7.8	12.7	95.60	-58.4	595.9	622.5	601.1	21.45	29.028	
3,900.0	3,900.0	3,791.0	3,722.9	7.9	13.1	95.32	-58.0	622.4	649.9	627.9	22.09	29.428	
4,000.0	4,000.0	3,887.1	3,815.3	8.0	13.6	95.06	-57.5	648.9	677.4	654.6	22.73	29.800	
4,100.0	4,100.0	3,983.2	3,907.7	8.1	14.0	94.83	-57.0	675.3	704.8	681.4	23.38	30.147	
4,200.0	4,200.0	4,079.4	4,000.1	8.2	14.5	94.61	-56.6	701.8	732.2	708.2	24.03	30.471	
4,300.0	4,300.0	4,175.5	4,092.5	8.3	14.9	94.41	-56.1	728.3	759.7	735.0	24.69	30.773	
4,400.0	4,400.0	4,271.6	4,184.9	8.4	15.4	94.22	-55.6	754.8	787.1	761.8	25.35	31.056	
4,500.0	4,500.0	4,367.7	4,277.3	8.6	15.8	94.04	-55.2	781.3	814.6	788.6	26.01	31.322	
4,600.0	4,600.0	4,463.9	4,369.7	8.7	16.3	93.88	-54.7	807.8	842.1	815.4	26.67	31.572	
4,700.0	4,700.0	4,560.0	4,462.1	8.8	16.7	93.72	-54.3	834.3	869.5	842.2	27.34	31.806	
4,800.0	4,800.0	4,656.1	4,554.5	8.9	17.2	93.58	-53.8	860.8	897.0	869.0	28.01	32.027	
4,900.0	4,900.0	4,752.2	4,646.9	9.0	17.7	93.44	-53.3	887.3	924.5	895.8	28.68	32.236	
5,000.0	5,000.0	4,848.4	4,739.3	9.1	18.1	93.31	-52.9	913.8	952.0	922.6	29.35	32.432	

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

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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	Rule Assigned:
Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset
5,100.0	5,100.0	4,944.5	4,831.7
9.2	18.6	93.19	-52.4
940.3	979.5	949.5	30.03
32.618			

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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

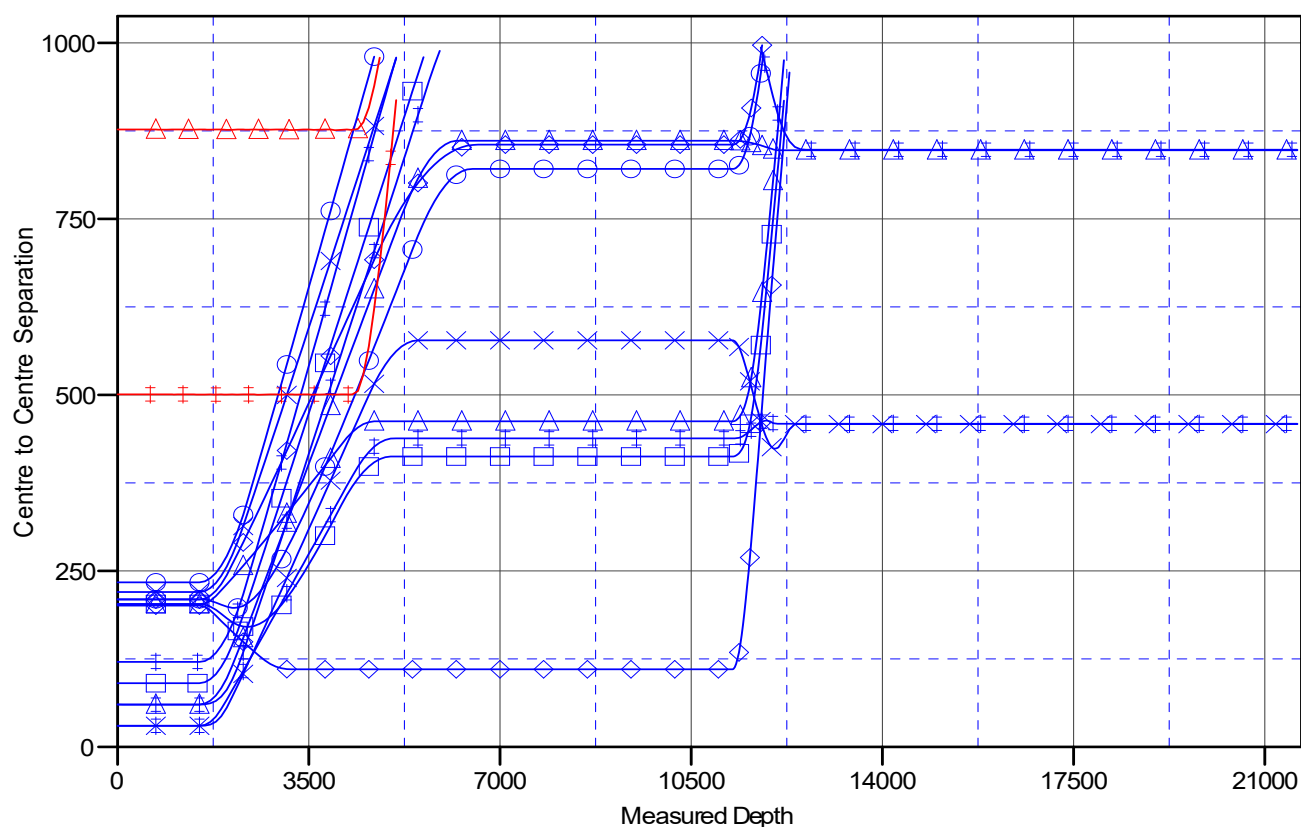
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #753H

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

ZIA HILLS UNIT 2032 WC #753H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #709H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0
ZIA HILLS UNIT 2032 WC #759H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #751H, OWB, PWP0 V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #708H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0
ZIA HILLS UNIT 2032 WC #758H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #702H, OWB, PWP0 V0	RUSSELL FEDERAL #12, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #707H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #707H, OWB, PWP0 V0	RUSSELL FEDERAL #6 (P&A), OWB, AWP V0

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #753H

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 #753H
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 #753H	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 #753H		
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' 40.412 N
		Longitude:	103° 42' 9.469 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	47,264.92591659

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	179.55	

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	11,259.5 PWP0 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,259.5	21,595.5 PWP0 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

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Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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	
11,259.5	0.00	0.00	11,259.5	0.0	0.0	0.00	0.00	0.00	0.00	
12,009.5	90.00	178.15	11,737.0	-477.2	15.4	12.00	12.00	0.00	178.15	
12,083.4	90.00	179.63	11,737.0	-551.0	16.8	2.00	0.00	2.00	90.00	
21,545.5	90.00	179.63	11,737.0	-10,013.0	78.4	0.00	0.00	0.00	0.00	
21,595.5	90.00	179.63	11,737.0	-10,063.0	78.8	0.00	0.00	0.00	0.00	

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Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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 9759.5 hold at 1500.0 MD									
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	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 #753H
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 #753H	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)	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00	

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Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	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)
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,100.0	0.0	0.0	0.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,200.0	0.0	0.0	0.0	0.00	0.00	0.00
11,259.5	0.00	0.00	11,259.5	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 12.00									
11,275.0	1.86	178.15	11,275.0	-0.3	0.0	0.3	12.00	12.00	0.00
11,300.0	4.86	178.15	11,300.0	-1.7	0.1	1.7	12.00	12.00	0.00
11,325.0	7.86	178.15	11,324.8	-4.5	0.1	4.5	12.00	12.00	0.00
11,350.0	10.86	178.15	11,349.5	-8.5	0.3	8.5	12.00	12.00	0.00
11,375.0	13.86	178.15	11,373.9	-13.9	0.4	13.9	12.00	12.00	0.00
11,400.0	16.86	178.15	11,398.0	-20.5	0.7	20.5	12.00	12.00	0.00
11,425.0	19.86	178.15	11,421.7	-28.4	0.9	28.4	12.00	12.00	0.00
11,450.0	22.86	178.15	11,445.0	-37.5	1.2	37.5	12.00	12.00	0.00
11,475.0	25.86	178.15	11,467.8	-47.8	1.5	47.8	12.00	12.00	0.00
11,500.0	28.86	178.15	11,490.0	-59.3	1.9	59.3	12.00	12.00	0.00
11,525.0	31.86	178.15	11,511.5	-71.9	2.3	71.9	12.00	12.00	0.00
11,550.0	34.86	178.15	11,532.4	-85.6	2.8	85.6	12.00	12.00	0.00
11,575.0	37.86	178.15	11,552.5	-100.4	3.2	100.4	12.00	12.00	0.00
11,600.0	40.86	178.15	11,571.9	-116.3	3.8	116.3	12.00	12.00	0.00
11,625.0	43.86	178.15	11,590.3	-133.1	4.3	133.1	12.00	12.00	0.00
11,650.0	46.86	178.15	11,607.9	-150.9	4.9	150.9	12.00	12.00	0.00
11,675.0	49.86	178.15	11,624.5	-169.5	5.5	169.6	12.00	12.00	0.00
11,700.0	52.86	178.15	11,640.1	-189.1	6.1	189.1	12.00	12.00	0.00
11,725.0	55.86	178.15	11,654.7	-209.4	6.8	209.4	12.00	12.00	0.00
11,750.0	58.86	178.15	11,668.2	-230.4	7.4	230.5	12.00	12.00	0.00
11,775.0	61.86	178.15	11,680.5	-252.1	8.1	252.2	12.00	12.00	0.00
11,800.0	64.86	178.15	11,691.8	-274.4	8.9	274.5	12.00	12.00	0.00
11,825.0	67.86	178.15	11,701.8	-297.3	9.6	297.4	12.00	12.00	0.00
11,850.0	70.86	178.15	11,710.6	-320.7	10.4	320.8	12.00	12.00	0.00
11,875.0	73.86	178.15	11,718.2	-344.5	11.1	344.6	12.00	12.00	0.00
11,900.0	76.86	178.15	11,724.5	-368.7	11.9	368.8	12.00	12.00	0.00
11,925.0	79.86	178.15	11,729.5	-393.2	12.7	393.3	12.00	12.00	0.00
11,950.0	82.86	178.15	11,733.3	-417.9	13.5	418.0	12.00	12.00	0.00
11,975.0	85.86	178.15	11,735.8	-442.7	14.3	442.8	12.00	12.00	0.00
12,000.0	88.86	178.15	11,736.9	-467.7	15.1	467.8	12.00	12.00	0.00
12,009.5	90.00	178.15	11,737.0	-477.2	15.4	477.3	12.00	12.00	0.00
Start DLS 2.00 TFO 90.00									
12,083.4	90.00	179.63	11,737.0	-551.0	16.8	551.2	2.00	0.00	2.00
Start 9462.2 hold at 12083.4 MD									
12,100.0	90.00	179.63	11,737.0	-567.7	17.0	567.8	0.00	0.00	0.00
12,200.0	90.00	179.63	11,737.0	-667.7	17.6	667.8	0.00	0.00	0.00
12,300.0	90.00	179.63	11,737.0	-767.7	18.3	767.8	0.00	0.00	0.00
12,400.0	90.00	179.63	11,737.0	-867.7	18.9	867.8	0.00	0.00	0.00
12,500.0	90.00	179.63	11,737.0	-967.7	19.6	967.8	0.00	0.00	0.00
12,600.0	90.00	179.63	11,737.0	-1,067.7	20.2	1,067.8	0.00	0.00	0.00
12,700.0	90.00	179.63	11,737.0	-1,167.7	20.9	1,167.8	0.00	0.00	0.00
12,800.0	90.00	179.63	11,737.0	-1,267.6	21.5	1,267.8	0.00	0.00	0.00
12,900.0	90.00	179.63	11,737.0	-1,367.6	22.2	1,367.8	0.00	0.00	0.00
13,000.0	90.00	179.63	11,737.0	-1,467.6	22.8	1,467.8	0.00	0.00	0.00
13,100.0	90.00	179.63	11,737.0	-1,567.6	23.5	1,567.8	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 #753H
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 #753H	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)	
13,200.0	90.00	179.63	11,737.0	-1,667.6	24.1	1,667.8	0.00	0.00	0.00	
13,300.0	90.00	179.63	11,737.0	-1,767.6	24.8	1,767.8	0.00	0.00	0.00	
13,400.0	90.00	179.63	11,737.0	-1,867.6	25.4	1,867.8	0.00	0.00	0.00	
13,500.0	90.00	179.63	11,737.0	-1,967.6	26.1	1,967.8	0.00	0.00	0.00	
13,600.0	90.00	179.63	11,737.0	-2,067.6	26.7	2,067.8	0.00	0.00	0.00	
13,700.0	90.00	179.63	11,737.0	-2,167.6	27.4	2,167.8	0.00	0.00	0.00	
13,800.0	90.00	179.63	11,737.0	-2,267.6	28.0	2,267.8	0.00	0.00	0.00	
13,900.0	90.00	179.63	11,737.0	-2,367.6	28.7	2,367.8	0.00	0.00	0.00	
14,000.0	90.00	179.63	11,737.0	-2,467.6	29.3	2,467.8	0.00	0.00	0.00	
14,100.0	90.00	179.63	11,737.0	-2,567.6	30.0	2,567.8	0.00	0.00	0.00	
14,200.0	90.00	179.63	11,737.0	-2,667.6	30.6	2,667.8	0.00	0.00	0.00	
14,300.0	90.00	179.63	11,737.0	-2,767.6	31.3	2,767.8	0.00	0.00	0.00	
14,400.0	90.00	179.63	11,737.0	-2,867.6	31.9	2,867.8	0.00	0.00	0.00	
14,500.0	90.00	179.63	11,737.0	-2,967.6	32.6	2,967.8	0.00	0.00	0.00	
14,600.0	90.00	179.63	11,737.0	-3,067.6	33.2	3,067.8	0.00	0.00	0.00	
14,700.0	90.00	179.63	11,737.0	-3,167.6	33.9	3,167.8	0.00	0.00	0.00	
14,800.0	90.00	179.63	11,737.0	-3,267.6	34.5	3,267.8	0.00	0.00	0.00	
14,900.0	90.00	179.63	11,737.0	-3,367.6	35.2	3,367.8	0.00	0.00	0.00	
15,000.0	90.00	179.63	11,737.0	-3,467.6	35.8	3,467.8	0.00	0.00	0.00	
15,100.0	90.00	179.63	11,737.0	-3,567.6	36.5	3,567.8	0.00	0.00	0.00	
15,200.0	90.00	179.63	11,737.0	-3,667.6	37.1	3,667.8	0.00	0.00	0.00	
15,300.0	90.00	179.63	11,737.0	-3,767.6	37.8	3,767.8	0.00	0.00	0.00	
15,400.0	90.00	179.63	11,737.0	-3,867.6	38.4	3,867.8	0.00	0.00	0.00	
15,500.0	90.00	179.63	11,737.0	-3,967.6	39.1	3,967.8	0.00	0.00	0.00	
15,600.0	90.00	179.63	11,737.0	-4,067.6	39.7	4,067.8	0.00	0.00	0.00	
15,700.0	90.00	179.63	11,737.0	-4,167.6	40.4	4,167.8	0.00	0.00	0.00	
15,800.0	90.00	179.63	11,737.0	-4,267.6	41.0	4,267.8	0.00	0.00	0.00	
15,900.0	90.00	179.63	11,737.0	-4,367.6	41.7	4,367.8	0.00	0.00	0.00	
16,000.0	90.00	179.63	11,737.0	-4,467.6	42.3	4,467.8	0.00	0.00	0.00	
16,100.0	90.00	179.63	11,737.0	-4,567.6	43.0	4,567.8	0.00	0.00	0.00	
16,200.0	90.00	179.63	11,737.0	-4,667.6	43.6	4,667.8	0.00	0.00	0.00	
16,300.0	90.00	179.63	11,737.0	-4,767.6	44.3	4,767.8	0.00	0.00	0.00	
16,400.0	90.00	179.63	11,737.0	-4,867.6	44.9	4,867.8	0.00	0.00	0.00	
16,500.0	90.00	179.63	11,737.0	-4,967.6	45.6	4,967.8	0.00	0.00	0.00	
16,600.0	90.00	179.63	11,737.0	-5,067.6	46.3	5,067.8	0.00	0.00	0.00	
16,700.0	90.00	179.63	11,737.0	-5,167.6	46.9	5,167.8	0.00	0.00	0.00	
16,800.0	90.00	179.63	11,737.0	-5,267.6	47.6	5,267.8	0.00	0.00	0.00	
16,900.0	90.00	179.63	11,737.0	-5,367.6	48.2	5,367.8	0.00	0.00	0.00	
17,000.0	90.00	179.63	11,737.0	-5,467.6	48.9	5,467.8	0.00	0.00	0.00	
17,100.0	90.00	179.63	11,737.0	-5,567.6	49.5	5,567.8	0.00	0.00	0.00	
17,200.0	90.00	179.63	11,737.0	-5,667.6	50.2	5,667.8	0.00	0.00	0.00	
17,300.0	90.00	179.63	11,737.0	-5,767.6	50.8	5,767.8	0.00	0.00	0.00	
17,400.0	90.00	179.63	11,737.0	-5,867.6	51.5	5,867.8	0.00	0.00	0.00	
17,500.0	90.00	179.63	11,737.0	-5,967.6	52.1	5,967.8	0.00	0.00	0.00	
17,600.0	90.00	179.63	11,737.0	-6,067.5	52.8	6,067.8	0.00	0.00	0.00	
17,700.0	90.00	179.63	11,737.0	-6,167.5	53.4	6,167.8	0.00	0.00	0.00	
17,800.0	90.00	179.63	11,737.0	-6,267.5	54.1	6,267.8	0.00	0.00	0.00	
17,900.0	90.00	179.63	11,737.0	-6,367.5	54.7	6,367.8	0.00	0.00	0.00	
18,000.0	90.00	179.63	11,737.0	-6,467.5	55.4	6,467.8	0.00	0.00	0.00	
18,100.0	90.00	179.63	11,737.0	-6,567.5	56.0	6,567.8	0.00	0.00	0.00	
18,200.0	90.00	179.63	11,737.0	-6,667.5	56.7	6,667.8	0.00	0.00	0.00	
18,300.0	90.00	179.63	11,737.0	-6,767.5	57.3	6,767.8	0.00	0.00	0.00	
18,400.0	90.00	179.63	11,737.0	-6,867.5	58.0	6,867.8	0.00	0.00	0.00	
18,500.0	90.00	179.63	11,737.0	-6,967.5	58.6	6,967.8	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 #753H
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 #753H	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)	
18,600.0	90.00	179.63	11,737.0	-7,067.5	59.3	7,067.8	0.00	0.00	0.00	
18,700.0	90.00	179.63	11,737.0	-7,167.5	59.9	7,167.8	0.00	0.00	0.00	
18,800.0	90.00	179.63	11,737.0	-7,267.5	60.6	7,267.8	0.00	0.00	0.00	
18,900.0	90.00	179.63	11,737.0	-7,367.5	61.2	7,367.8	0.00	0.00	0.00	
19,000.0	90.00	179.63	11,737.0	-7,467.5	61.9	7,467.8	0.00	0.00	0.00	
19,100.0	90.00	179.63	11,737.0	-7,567.5	62.5	7,567.8	0.00	0.00	0.00	
19,200.0	90.00	179.63	11,737.0	-7,667.5	63.2	7,667.8	0.00	0.00	0.00	
19,300.0	90.00	179.63	11,737.0	-7,767.5	63.8	7,767.8	0.00	0.00	0.00	
19,400.0	90.00	179.63	11,737.0	-7,867.5	64.5	7,867.8	0.00	0.00	0.00	
19,500.0	90.00	179.63	11,737.0	-7,967.5	65.1	7,967.8	0.00	0.00	0.00	
19,600.0	90.00	179.63	11,737.0	-8,067.5	65.8	8,067.8	0.00	0.00	0.00	
19,700.0	90.00	179.63	11,737.0	-8,167.5	66.4	8,167.8	0.00	0.00	0.00	
19,800.0	90.00	179.63	11,737.0	-8,267.5	67.1	8,267.8	0.00	0.00	0.00	
19,900.0	90.00	179.63	11,737.0	-8,367.5	67.7	8,367.8	0.00	0.00	0.00	
20,000.0	90.00	179.63	11,737.0	-8,467.5	68.4	8,467.8	0.00	0.00	0.00	
20,100.0	90.00	179.63	11,737.0	-8,567.5	69.0	8,567.8	0.00	0.00	0.00	
20,200.0	90.00	179.63	11,737.0	-8,667.5	69.7	8,667.8	0.00	0.00	0.00	
20,300.0	90.00	179.63	11,737.0	-8,767.5	70.3	8,767.8	0.00	0.00	0.00	
20,400.0	90.00	179.63	11,737.0	-8,867.5	71.0	8,867.8	0.00	0.00	0.00	
20,500.0	90.00	179.63	11,737.0	-8,967.5	71.6	8,967.8	0.00	0.00	0.00	
20,600.0	90.00	179.63	11,737.0	-9,067.5	72.3	9,067.8	0.00	0.00	0.00	
20,700.0	90.00	179.63	11,737.0	-9,167.5	72.9	9,167.8	0.00	0.00	0.00	
20,800.0	90.00	179.63	11,737.0	-9,267.5	73.6	9,267.8	0.00	0.00	0.00	
20,900.0	90.00	179.63	11,737.0	-9,367.5	74.2	9,367.8	0.00	0.00	0.00	
21,000.0	90.00	179.63	11,737.0	-9,467.5	74.9	9,467.8	0.00	0.00	0.00	
21,100.0	90.00	179.63	11,737.0	-9,567.5	75.5	9,567.8	0.00	0.00	0.00	
21,200.0	90.00	179.63	11,737.0	-9,667.5	76.2	9,667.8	0.00	0.00	0.00	
21,300.0	90.00	179.63	11,737.0	-9,767.5	76.9	9,767.8	0.00	0.00	0.00	
21,400.0	90.00	179.63	11,737.0	-9,867.5	77.5	9,867.8	0.00	0.00	0.00	
21,500.0	90.00	179.63	11,737.0	-9,967.5	78.2	9,967.8	0.00	0.00	0.00	
21,545.5	90.00	179.63	11,737.0	-10,013.0	78.4	10,013.3	0.00	0.00	0.00	
Start 50.0 hold at 21545.5 MD										
21,595.5	90.00	179.63	11,737.0	-10,063.0	78.8	10,063.3	0.00	0.00	0.00	
TD at 21595.5										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
PBHL (ZHU 2032 WC #; - plan misses target center by 0.3usft at 21595.5usft MD (11737.0 TVD, -10063.0 N, 78.8 E) - Rectangle (sides W100.0 H10,068.6 D20.0)	0.00	359.63	11,737.0	-10,063.0	78.4	364,380.85	695,535.60	32° 0' 0.822 N		103° 42' 9.240 W
LTP (ZHU 2032 WC #75 - plan hits target center - Point	0.00	0.00	11,737.0	-10,013.0	78.4	364,430.85	695,535.60	32° 0' 1.317 N		103° 42' 9.236 W
FTP (ZHU 2032 WC #7E - plan misses target center by 201.6usft at 11629.9usft MD (11593.9 TVD, -136.5 N, 4.4 E) - Circle (radius 50.0)	0.00	0.00	11,737.0	5.2	13.0	374,449.03	695,470.17	32° 1' 40.462 N		103° 42' 9.317 W

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #753H
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 #753H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,500.0	1,500.0	DB SURF 10-3/4"	10-3/4	14-3/4	
11,259.5	11,259.5	DB INT 7-5/8"	7-5/8	9-7/8	
21,595.5	11,737.0	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 9759.5 hold at 1500.0 MD	
11,259.5	11,259.5	0.0	0.0	Start Build 12.00	
12,009.5	11,737.0	-477.2	15.4	Start DLS 2.00 TFO 90.00	
12,083.4	11,737.0	-551.0	16.8	Start 9462.2 hold at 12083.4 MD	
21,545.5	11,737.0	-10,013.0	78.4	Start 50.0 hold at 21545.5 MD	
21,595.5	11,737.0	-10,063.0	78.8	TD at 21595.5	

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	ConocoPhillips
LEASE NO.:	NMLC068281B
LOCATION:	Section 20 T.26 S, R.32 E., NMPM
COUNTY:	Lea County, New Mexico
WELL NAME & NO.:	Zia Hills Unit 2032 WC 752H
SURFACE HOLE FOOTAGE:	2632'/S & 800'/W
BOTTOM HOLE FOOTAGE:	50'/S & 414'/W

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **10-3/4** inch surface casing shall be set at approximately **1350** 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. The minimum required fill of cement behind the 7-5/8 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.

❖ 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. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the casing shoe shall be **10,000 (10M) psi**. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 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)

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
 - Notify the BLM when moving in and removing the Spudder Rig.

- Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

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, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug.
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the valve on casing head below test plug open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
 - e. The results of the test shall be reported to the appropriate BLM office.

- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

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

ZS 1/25/2024

COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- a. The hazards and characteristics of hydrogen sulfide (H₂S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- a. The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- c. The contents and requirements of the H₂S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H₂S SAFETY EQUIPMENT AND SYSTEMS

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H₂S. If H₂S greater than 100 ppm is encountered in the gas stream we will shut in and install H₂S equipment.

- a. Well Control Equipment:
 - Flare line.
 - Choke manifold with remotely operated choke.
 - Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

- b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
- c. H2S detection and monitoring equipment:
2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
- d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.
- e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.
- f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.
- g. Communication:
Company vehicles equipped with cellular telephone.

COG OPERATING LLC has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore, we do not believe that an H2S contingency plan is necessary.

W A R N I N G

**YOU ARE ENTERING AN H₂S AREA
AUTHORIZED PERSONNEL ONLY**

- 1. BEARDS OR CONTACT LENSES NOT ALLOWED***
- 2. HARD HATS REQUIRED***
- 3. SMOKING IN DESIGNATED AREAS ONLY***
- 4. BE WIND CONSCIOUS AT ALL TIMES***
- 5. CK WITH COG OPERATING LLC FOREMAN AT MAIN OFFICE***

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
Albert Gonzales		346-287-8169

EMERGENCY RESPONSE NUMBERS

	<u>OFFICE</u>
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

CONDITIONS

Action 315641

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 315641
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	2/20/2024
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	2/20/2024
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	2/20/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	2/20/2024