

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. 30-025-52543
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 / 2564 FSL / 900 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0278778 / LONG: -103.7028589 (TVD: 0 feet, MD: 0 feet)

PPP: NESW / 2620 FSL / 2110 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0280039 / LONG: -103.6989546 (TVD: 11766 feet, MD: 11938 feet)

PPP: NENW / 1 FNL / 2110 FWL / TWSP: 26S / RANGE: 32E / SECTION: 29 / LAT: 32.020837 / LONG: -103.69896 (TVD: 11914 feet, MD: 14559 feet)

BHL: LOT 3 / 50 FSL / 2110 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0003555 / LONG: -103.6989329 (TVD: 11914 feet, MD: 21894 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 30-025-52543	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 756H
7 OGRID No. 217817	8 Operator Name CONOCOPHILLIPS COMPANY	9 Elevation 3175.97'

¹⁰ Surface Location

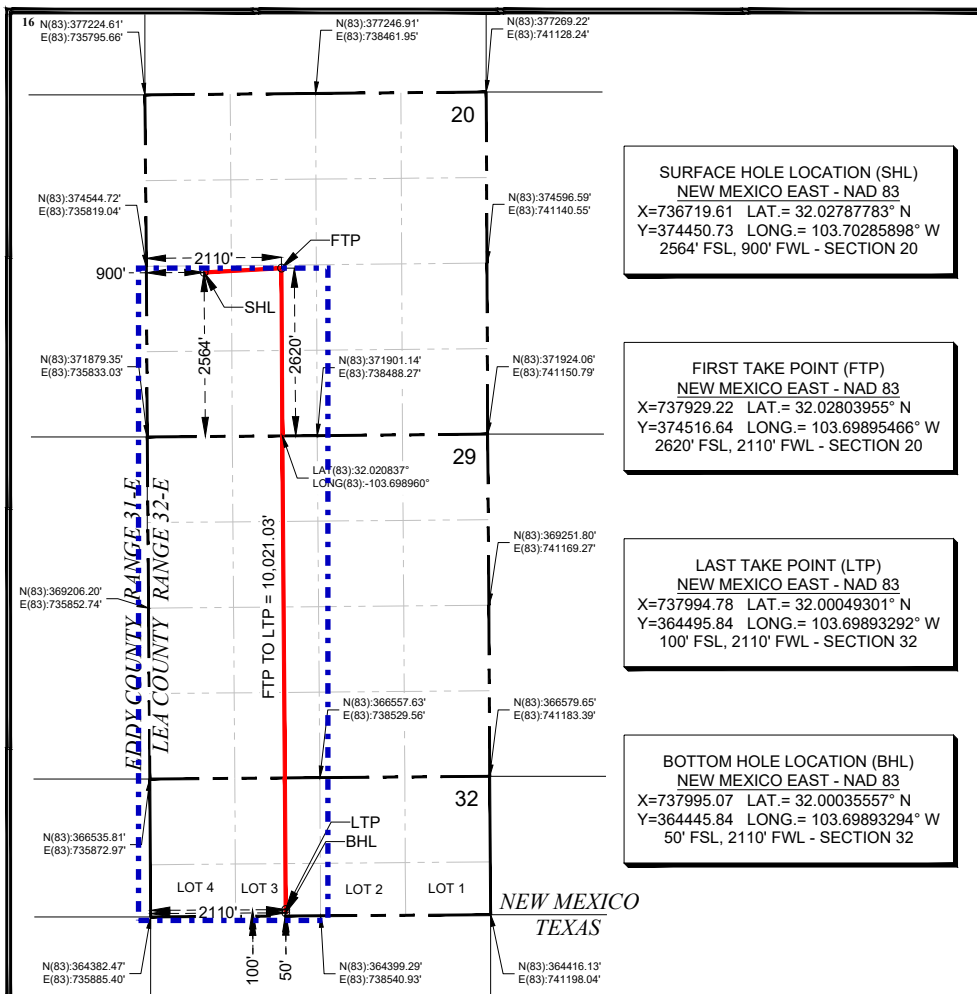
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	26-S	32-E		2564'	SOUTH	900'	WEST	LEA

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
3	32	26-S	32-E		50'	SOUTH	2110'	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.

Stan Wagner 2/28/23
Signature Date

Stan Wagner

Printed Name

E-mail Address

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.

Charles L. Jurica 02/24/2023
Date of Survey

Charles L. Jurica
Signature and Seal of Professional Surveyor

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 756H

1. Geologic Formations

TVD of target	11,914' EOL	Pilot hole depth	NA
MD at TD:	21,894'	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	1562	Salt	
Base of Salt	4094	Salt	
Lamar	4311	Salt Water	
Bell Canyon	4345	Salt Water	
Cherry Canyon	5233	Oil/Gas	
Brushy Canyon	6719	Oil/Gas	
Bone Spring Shale	8320	Oil/Gas	
1st Bone Spring Sand	9304	Oil/Gas	
2nd Bone Spring Sand	9985	Oil/Gas	
3rd Bone Spring Sand	11133	Oil/Gas	
Wolfcamp	11548	Oil/Gas	
Wolfcamp A	11756	Target	
Wolfcamp B	12060	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	1.12	2.88	2.90
8.750"	8500	11132	7.625"	29.7	P110-ICY	W513	1.38	1.69	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	21,894	5.5"	23	P110-CY	W441	1.88	2.22	2.66	2.42
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

All casing strings will be tested in accordance with 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 756H

	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 756H

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
	948	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 756H

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 756H

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 756H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7745 psi at 11914' 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

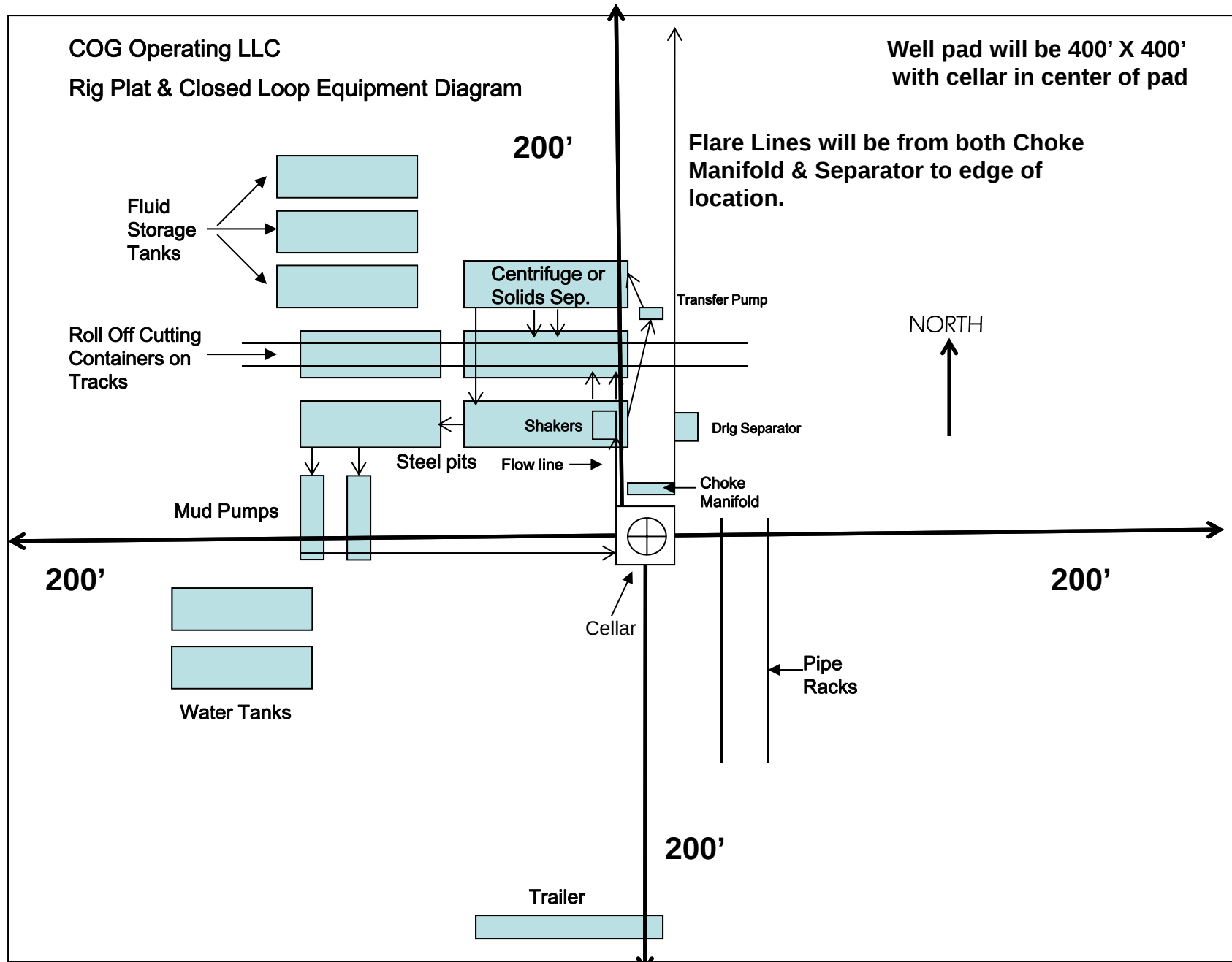


Exhibit 1

"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 #756H

OWB

PWP0

Anticollision Report

25 January, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	11,574.6	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
11,574.6	21,894.3	PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ODELL STATE						
ODELL STATE 54-1-6 LOV #2H - OWB - AWP	21,894.3	11,619.0	601.3	497.1	5.768	CC, ES, SF
ZIA HILLS 20 FED COM PROJECT						
BUCK 20 FEDERAL #3H (P&A) - OWB - AWP	9,323.9	11,470.9	212.3	137.7	2.846	CC, ES, SF
BUCK 20 FEDERAL #6H (P&A) - OWB - AWP	8,943.9	11,184.1	899.7	815.0	10.621	CC, ES
BUCK 20 FEDERAL #6H (P&A) - OWB - AWP	9,000.0	11,185.5	901.4	816.5	10.610	SF
CONOCO A FEDERAL #2 - OWB - AWP						Out of range
CONOCO FEDERAL #1 - OWB - AWP						Out of range
RUSSELL FEDERAL #10 - OWB - AWP						Out of range
RUSSELL FEDERAL #12 - OWB - AWP	1,439.8	1,441.9	570.6	532.9	15.127	CC
RUSSELL FEDERAL #12 - OWB - AWP	1,600.0	1,602.0	572.4	529.8	13.461	ES
RUSSELL FEDERAL #12 - OWB - AWP	3,600.0	3,555.1	994.3	865.9	7.741	SF
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	4,469.6	4,378.0	271.8	102.5	1.605	Advise and Monitor, CC, ES,
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2	11,507.5	11,401.4	816.4	767.1	16.586	CC, ES
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2	11,574.6	11,458.8	816.5	767.2	16.562	SF
ZIA HILLS 20 FEDERAL COM #102H - OWB - PWP2						Out of range
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	11,921.5	11,794.7	851.3	801.3	17.036	CC
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	21,894.3	21,736.5	884.8	724.7	5.527	ES, SF
ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP						Out of range
ZIA HILLS 20 FEDERAL COM #106H - ST01 - AWP						Out of range
ZIA HILLS 20 FEDERAL COM #107H - OWB - AWP						Out of range
ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP						Out of range

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,500.0	1,497.0	251.8	241.2	23.862	CC, ES
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,900.0	1,889.2	258.5	247.2	22.938	SF
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	1,797.1	1,795.4	232.8	221.8	21.210	CC
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	1,800.0	1,798.2	232.8	221.8	21.195	ES
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	2,000.0	1,989.6	239.3	227.7	20.684	SF
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,014.1	2,016.6	202.7	191.1	17.516	CC, ES
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,100.0	2,099.3	204.2	192.4	17.284	SF
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	2,383.2	2,369.3	205.7	193.0	16.176	CC
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	2,400.0	2,385.9	205.7	193.0	16.117	ES
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	4,200.0	4,166.4	327.1	303.0	13.587	SF
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	3,034.0	3,013.1	194.2	179.1	12.844	CC
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	3,200.0	3,178.7	194.6	178.9	12.429	ES
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	5,600.0	5,559.2	287.7	254.7	8.725	SF
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	6,911.6	6,893.3	182.0	150.5	5.776	CC
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	11,574.6	11,555.0	185.3	147.5	4.892	ES, SF
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	2,248.2	2,213.1	198.7	185.6	15.224	CC, ES
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	6,400.0	6,358.0	311.4	261.9	6.297	SF
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	1,500.0	1,497.0	150.9	140.7	14.868	CC, ES, SF
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	1,500.0	1,498.0	120.8	110.6	11.904	CC, ES, SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	1,500.0	1,499.0	90.6	80.5	8.930	CC, ES, SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,500.0	1,499.0	60.5	50.4	5.964	CC
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,800.0	1,803.9	61.3	50.3	5.562	ES
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,894.3	21,829.6	847.7	686.6	5.261	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	1,500.0	1,499.0	30.2	20.1	2.978	CC
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	2,100.0	2,104.0	31.3	18.9	2.510	ES, SF
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,500.0	1,500.0	30.2	20.1	2.977	CC
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	2,200.0	2,194.0	30.5	17.5	2.337	ES, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
ODELL STATE						
ODELL STATE 54-1-6 LOV #2H - OWB - AWP	21,894.3	11,619.0	601.3	497.1	5.768	CC, ES, SF
ZIA HILLS 20 FED COM PROJECT						
BUCK 20 FEDERAL #3H (P&A) - OWB - AWP	21,894.3	13,729.0				Out of Range @TD
BUCK 20 FEDERAL #6H (P&A) - OWB - AWP	21,894.3	13,470.0				Out of Range @TD
CONOCO A FEDERAL #2 - OWB - AWP	21,894.3	4,317.0				Out of Range @TD
CONOCO FEDERAL #1 - OWB - AWP	21,894.3	4,327.0				Out of Range @TD
RUSSELL FEDERAL #10 - OWB - AWP	21,894.3	4,500.0				Out of Range @TD
RUSSELL FEDERAL #12 - OWB - AWP	21,894.3	4,335.0				Out of Range @TD
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	21,894.3	4,378.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2	21,894.3	11,450.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #102H - OWB - PWP2	21,894.3	11,300.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	21,894.3	21,736.5	884.8	724.7	5.527	ES, SF
ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP	21,894.3	12,037.2				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #106H - ST01 - AWP	21,894.3	21,733.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #107H - OWB - AWP	21,894.3	21,410.6				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP	21,894.3	21,703.9				Out of Range @TD
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	21,894.3	11,375.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	21,894.3	11,500.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	21,894.3	11,300.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	21,894.3	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	21,894.3	11,350.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	21,894.3	11,575.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	21,894.3	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,894.3	21,026.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	21,894.3	21,409.6				Out of Range @TD
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,894.3	21,595.5				Out of Range @TD
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,894.3	21,829.6	847.7	686.6	5.261	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	21,894.3	21,692.9	458.7	297.1	2.839	
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	21,894.3	21,747.4	458.7	290.5	2.727	

Offset Design: ODELL STATE - ODELL STATE 54-1-6 LOV #2H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 30-MWD+HDGM													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			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	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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: ODELL STATE - ODELL STATE 54-1-6 LOV #2H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 30-MWD+HDGM													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		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	
21,400.0	11,914.0	11,488.4	11,457.8	79.6	40.7	-37.79	-10,296.0	1,618.1	964.7	880.1	84.64	11.397		
21,500.0	11,914.0	11,525.0	11,489.1	80.3	40.8	-39.76	-10,315.0	1,617.2	884.6	797.7	86.85	10.185		
21,600.0	11,914.0	11,525.0	11,489.1	81.0	40.8	-39.76	-10,315.0	1,617.2	806.9	715.6	91.30	8.838		
21,700.0	11,914.0	11,564.2	11,521.4	81.7	40.9	-42.03	-10,337.2	1,616.5	732.6	638.0	94.54	7.749		
21,800.0	11,914.0	11,596.0	11,546.7	82.4	41.0	-43.98	-10,356.4	1,616.1	662.6	563.6	98.90	6.699		
21,844.3	11,914.0	11,619.0	11,564.5	82.7	41.0	-45.45	-10,371.0	1,616.1	633.2	532.6	100.53	6.298		
21,894.3	11,914.0	11,619.0	11,564.5	83.1	41.0	-45.45	-10,371.0	1,616.1	601.3	497.1	104.25	5.768 CC, ES, SF		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - BUCK 20 FEDERAL #3H (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-GYD-CT-CMS, 8427-MWD - OWSG R1												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor
8,400.0	8,261.9	11,478.7	9,204.6	29.7	44.2	90.78	39.3	1,422.2	947.8	904.9		42.88	22.101
8,500.0	8,361.9	11,477.8	9,204.6	29.7	44.2	90.53	40.3	1,422.1	850.6	807.2		43.44	19.582
8,600.0	8,461.9	11,476.9	9,204.6	29.8	44.2	90.28	41.2	1,422.1	754.2	710.1		44.17	17.076
8,700.0	8,561.9	11,476.0	9,204.6	29.8	44.2	90.04	42.1	1,422.1	658.9	613.7		45.17	14.587
8,800.0	8,661.9	11,475.1	9,204.6	29.8	44.2	89.80	43.0	1,422.1	565.1	518.5		46.61	12.124
8,900.0	8,761.9	11,474.3	9,204.6	29.8	44.1	89.58	43.8	1,422.1	473.9	425.1		48.82	9.708
9,000.0	8,861.9	11,473.4	9,204.6	29.9	44.1	89.35	44.6	1,422.0	387.1	334.8		52.35	7.396
9,100.0	8,961.9	11,472.6	9,204.6	29.9	44.1	89.14	45.4	1,422.0	308.4	250.4		58.07	5.311
9,200.0	9,061.9	11,471.9	9,204.6	29.9	44.1	88.93	46.2	1,422.0	245.7	179.3		66.46	3.698
9,300.0	9,161.9	11,471.1	9,204.6	30.0	44.1	88.72	47.0	1,422.0	213.6	139.7		73.92	2.890
9,323.9	9,185.8	11,470.9	9,204.6	30.0	44.1	88.67	47.2	1,422.0	212.3	137.7		74.60	2.846 CC, ES, SF
9,400.0	9,261.9	11,470.4	9,204.6	30.0	44.1	88.52	47.7	1,422.0	225.6	152.7		72.84	3.097
9,500.0	9,361.9	11,469.6	9,204.6	30.0	44.1	88.33	48.4	1,421.9	275.9	210.1		65.81	4.193
9,600.0	9,461.9	11,468.9	9,204.6	30.0	44.1	88.14	49.2	1,421.9	348.4	288.9		59.49	5.856
9,700.0	9,561.9	11,466.0	9,204.7	30.1	44.0	87.34	52.1	1,421.9	432.0	376.8		55.27	7.817
9,800.0	9,661.9	11,466.0	9,204.7	30.1	44.0	87.34	52.1	1,421.9	521.4	468.8		52.67	9.900
9,900.0	9,761.9	11,466.0	9,204.7	30.1	44.0	87.34	52.1	1,421.9	614.1	563.1		51.04	12.032
10,000.0	9,861.9	11,466.0	9,204.7	30.2	44.0	87.34	52.1	1,421.9	708.8	658.8		50.01	14.174
10,100.0	9,961.9	11,466.0	9,204.7	30.2	44.0	87.34	52.1	1,421.9	804.7	755.4		49.35	16.307
10,200.0	10,061.9	11,466.0	9,204.7	30.2	44.0	87.34	52.1	1,421.9	901.6	852.6		48.94	18.421
10,300.0	10,161.9	11,466.0	9,204.7	30.2	44.0	87.34	52.1	1,421.9	999.1	950.3		48.70	20.513

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 - BUCK 20 FEDERAL #6H (P&A) - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 200-GYD-CT-CMS, 1011-MWD - OWSG R1													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	
8,600.0	8,461.9	11,175.4	8,822.5	29.8	52.4	86.94	90.2	2,108.1	963.1	884.7	78.36	12.290		
8,700.0	8,561.9	11,178.0	8,822.5	29.8	52.4	87.11	87.6	2,108.3	932.1	851.2	80.90	11.522		
8,800.0	8,661.9	11,180.5	8,822.6	29.8	52.4	87.27	85.1	2,108.4	911.1	828.1	82.94	10.984		
8,900.0	8,761.9	11,183.0	8,822.7	29.8	52.5	87.43	82.6	2,108.5	900.7	816.4	84.33	10.681		
8,943.9	8,805.8	11,184.1	8,822.7	29.9	52.5	87.50	81.5	2,108.5	899.7	815.0	84.71	10.621 CC, ES		
9,000.0	8,861.9	11,185.5	8,822.7	29.9	52.5	87.59	80.1	2,108.6	901.4	816.5	84.96	10.610 SF		
9,100.0	8,961.9	11,188.0	8,822.8	29.9	52.5	87.75	77.6	2,108.7	913.1	828.3	84.82	10.765		
9,200.0	9,061.9	11,190.4	8,822.8	29.9	52.6	87.90	75.2	2,108.8	935.4	851.4	83.97	11.140		
9,300.0	9,161.9	11,192.8	8,822.9	30.0	52.6	88.05	72.8	2,108.9	967.6	885.0	82.55	11.721		

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	2.1	2.1	3.0	3.0	-92.88	-28.7	-569.9	570.6	563.7	6.89	82.791	
100.0	100.0	102.1	102.1	3.1	3.1	-92.88	-28.7	-569.9	570.6	563.5	7.15	79.856	
200.0	200.0	202.1	202.1	3.2	3.5	-92.88	-28.7	-569.9	570.6	563.0	7.62	74.858	
300.0	300.0	302.1	302.1	3.4	4.1	-92.88	-28.7	-569.9	570.6	562.3	8.32	68.584	
400.0	400.0	402.1	402.1	3.5	5.4	-92.88	-28.7	-569.9	570.6	560.7	9.97	57.238	
446.6	446.6	448.7	448.7	3.6	6.2	-92.87	-28.5	-569.9	570.6	559.8	10.86	52.529	
500.0	500.0	502.1	502.1	3.6	7.0	-92.87	-28.6	-569.9	570.6	558.7	11.95	47.746	
600.0	600.0	602.1	602.1	3.7	8.7	-92.88	-28.7	-569.9	570.6	556.5	14.13	40.380	
700.0	700.0	702.1	702.1	3.9	10.5	-92.88	-28.7	-569.9	570.6	554.1	16.57	34.442	
734.3	734.3	736.4	736.4	3.9	11.2	-92.85	-28.4	-569.9	570.6	553.2	17.42	32.753	
800.0	800.0	802.1	802.0	4.0	12.4	-92.86	-28.5	-569.9	570.6	551.6	19.08	29.912	
900.0	900.0	902.1	902.1	4.1	14.3	-92.88	-28.7	-569.9	570.6	548.9	21.71	26.287	
1,000.0	1,000.0	1,002.1	1,002.1	4.2	16.4	-92.88	-28.7	-569.9	570.6	546.1	24.57	23.228	
1,031.8	1,031.8	1,033.9	1,033.9	4.3	17.1	-92.82	-28.1	-569.9	570.6	545.1	25.48	22.392	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	18.5	-92.84	-28.3	-569.9	570.6	543.2	27.45	20.788	
1,200.0	1,200.0	1,202.2	1,202.1	4.5	20.7	-92.88	-28.7	-569.9	570.6	540.3	30.30	18.833	
1,300.0	1,300.0	1,302.2	1,302.1	4.6	22.9	-92.88	-28.7	-569.9	570.6	537.3	33.39	17.092	
1,400.0	1,400.0	1,402.2	1,402.1	4.7	25.2	-92.88	-28.7	-569.9	570.6	534.2	36.48	15.640	
1,439.8	1,439.8	1,441.9	1,441.8	4.7	26.1	-92.75	-27.4	-569.9	570.6	532.9	37.72	15.127 CC	
1,500.0	1,500.0	1,502.1	1,502.0	4.8	27.4	-92.77	-27.5	-569.9	570.6	531.0	39.59	14.412	
1,600.0	1,600.0	1,602.0	1,601.9	4.9	29.7	179.17	-28.1	-569.9	572.4	529.8	42.52	13.461 ES	
1,700.0	1,699.8	1,702.1	1,701.9	5.1	32.1	179.13	-28.7	-569.9	577.6	531.7	45.94	12.573	
1,800.0	1,799.5	1,801.7	1,801.4	5.3	34.8	179.19	-28.2	-569.9	586.3	536.6	49.70	11.797	
1,900.0	1,898.7	1,901.1	1,900.8	5.6	37.5	179.15	-28.7	-569.9	598.5	544.9	53.59	11.168	
2,000.0	1,997.5	1,999.6	1,999.2	5.9	40.5	179.22	-28.1	-569.9	614.1	556.4	57.75	10.634	
2,100.0	2,095.6	2,098.2	2,097.7	6.3	43.5	179.19	-28.7	-569.9	633.2	571.3	61.98	10.216	
2,200.0	2,193.1	2,195.5	2,195.1	6.6	46.5	179.32	-27.5	-569.9	655.7	589.5	66.20	9.905	
2,300.0	2,290.1	2,292.3	2,291.8	6.9	49.5	179.27	-28.3	-569.9	679.9	609.5	70.37	9.661	
2,400.0	2,387.1	2,389.9	2,389.2	7.3	52.6	179.26	-28.7	-569.9	704.1	629.5	74.65	9.432	
2,500.0	2,484.1	2,486.9	2,486.2	7.6	55.6	179.29	-28.7	-569.9	728.3	649.4	78.93	9.227	
2,600.0	2,581.2	2,583.9	2,583.1	8.0	58.6	179.51	-26.1	-569.9	752.4	669.2	83.21	9.042	
2,700.0	2,678.2	2,680.7	2,680.0	8.3	61.7	179.47	-26.8	-569.9	776.6	689.1	87.48	8.877	
2,800.0	2,775.2	2,777.6	2,776.8	8.7	64.7	179.38	-28.4	-569.9	800.9	709.1	91.76	8.727	
2,900.0	2,872.3	2,875.4	2,874.4	9.1	67.8	179.37	-28.7	-569.9	825.1	728.9	96.13	8.583	
3,000.0	2,969.3	2,972.4	2,971.3	9.5	70.9	179.49	-27.3	-569.9	849.2	748.7	100.46	8.453	
3,100.0	3,066.3	3,069.1	3,068.0	9.9	74.0	179.46	-28.0	-569.9	873.4	768.6	104.79	8.335	
3,200.0	3,163.4	3,166.7	3,165.5	10.4	77.3	179.42	-28.7	-569.9	897.6	788.2	109.39	8.206	
3,300.0	3,260.4	3,263.7	3,262.3	10.8	80.7	179.52	-27.4	-569.9	921.8	807.6	114.20	8.071	
3,400.0	3,357.4	3,360.2	3,358.8	11.2	84.1	179.47	-28.4	-569.9	946.0	827.0	118.99	7.950	
3,500.0	3,454.4	3,458.1	3,456.5	11.7	87.5	179.46	-28.7	-569.9	970.2	846.5	123.75	7.840	
3,600.0	3,551.5	3,555.1	3,553.5	12.1	90.8	179.60	-26.6	-569.9	994.3	865.9	128.45	7.741 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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #6 (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 500-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	9.0	9.0	3.0	3.0	105.92	-216.8	760.1	790.4	783.4	6.98	113.200	
100.0	100.0	109.0	109.0	3.1	3.2	105.92	-216.8	760.1	790.4	783.3	7.11	111.176	
200.0	200.0	209.0	209.0	3.2	3.6	105.92	-216.8	760.1	790.4	782.7	7.63	103.555	
300.0	300.0	309.0	309.0	3.4	4.1	105.92	-216.8	760.1	790.4	782.0	8.34	94.714	
400.0	400.0	409.0	409.0	3.5	4.8	105.92	-216.8	760.1	790.4	781.2	9.20	85.929	
500.0	500.0	509.0	509.0	3.6	5.7	105.92	-216.8	760.1	790.4	780.1	10.24	77.180	
600.0	600.0	609.0	609.0	3.7	7.3	105.92	-216.8	760.1	790.4	778.0	12.36	63.955	
700.0	700.0	709.0	709.0	3.9	9.1	105.92	-216.8	760.1	790.4	775.7	14.66	53.901	
741.4	741.4	750.4	750.4	3.9	9.9	105.88	-216.2	760.1	790.2	774.6	15.65	50.487	
800.0	800.0	808.8	808.8	4.0	10.9	105.88	-216.3	760.1	790.2	773.2	17.07	46.292	
900.0	900.0	908.4	908.4	4.1	12.7	105.90	-216.4	760.1	790.3	770.8	19.54	40.446	
1,000.0	1,000.0	1,009.0	1,009.0	4.2	14.6	105.92	-216.8	760.1	790.4	768.4	22.00	35.921	
1,100.0	1,100.0	1,109.0	1,109.0	4.3	16.8	105.92	-216.8	760.1	790.4	765.5	24.91	31.728	
1,200.0	1,200.0	1,209.0	1,209.0	4.5	18.9	105.92	-216.8	760.1	790.4	762.5	27.84	28.385	
1,241.4	1,241.4	1,250.5	1,250.4	4.5	19.8	105.86	-216.0	760.1	790.2	761.1	29.07	27.185	
1,300.0	1,300.0	1,308.7	1,308.7	4.6	21.0	105.86	-216.0	760.1	790.2	759.4	30.79	25.665	
1,400.0	1,400.0	1,408.2	1,408.1	4.7	23.2	105.88	-216.3	760.1	790.2	756.5	33.74	23.423	
1,500.0	1,500.0	1,509.1	1,509.0	4.8	25.4	105.92	-216.8	760.1	790.4	753.6	36.80	21.479	
1,600.0	1,600.0	1,609.1	1,609.0	4.9	28.0	17.97	-216.8	760.1	788.7	748.5	40.20	19.620	
1,700.0	1,699.8	1,707.8	1,707.6	5.1	30.6	18.06	-216.0	760.1	783.5	739.7	43.78	17.896	
1,800.0	1,799.5	1,808.7	1,808.5	5.3	33.2	18.37	-216.8	760.1	775.5	728.0	47.47	16.335	
1,900.0	1,898.7	1,908.0	1,907.7	5.6	35.8	18.73	-216.8	760.1	763.9	712.7	51.18	14.927	
2,000.0	1,997.5	2,006.7	2,006.4	5.9	38.5	19.07	-214.9	760.1	748.5	693.7	54.87	13.643	
2,100.0	2,095.6	2,103.2	2,102.9	6.3	41.0	19.71	-215.3	760.1	730.6	672.1	58.48	12.493	
2,200.0	2,193.1	2,199.1	2,198.7	6.6	43.6	20.54	-216.4	760.1	709.8	647.7	62.08	11.434	
2,300.0	2,290.1	2,299.6	2,299.1	6.9	46.1	21.30	-216.8	760.1	687.2	621.6	65.65	10.467	
2,400.0	2,387.1	2,395.6	2,395.1	7.3	48.5	21.99	-216.0	760.1	664.4	595.4	69.03	9.624	
2,500.0	2,484.1	2,493.7	2,493.1	7.6	51.0	22.86	-216.8	760.1	642.2	569.6	72.56	8.850	
2,600.0	2,581.2	2,590.7	2,590.1	8.0	53.9	23.66	-216.1	760.1	619.6	543.1	76.51	8.098	
2,700.0	2,678.2	2,685.3	2,684.7	8.3	56.6	24.61	-216.6	760.1	597.6	517.3	80.37	7.436	
2,800.0	2,775.2	2,784.9	2,784.2	8.7	59.7	25.65	-216.8	760.1	575.7	491.0	84.70	6.797	
2,900.0	2,872.3	2,878.2	2,877.5	9.1	62.6	26.65	-216.4	760.1	553.7	464.9	88.80	6.235	
3,000.0	2,969.3	2,979.1	2,978.3	9.5	65.5	27.90	-216.8	760.1	532.2	439.3	92.91	5.728	
3,100.0	3,066.3	3,076.2	3,075.3	9.9	68.3	29.16	-216.8	760.1	510.8	414.0	96.78	5.278	
3,200.0	3,163.4	3,172.9	3,172.0	10.4	71.0	30.29	-214.6	760.1	488.7	388.0	100.63	4.856	
3,300.0	3,260.4	3,268.4	3,267.5	10.8	73.8	31.80	-215.1	760.1	468.0	363.6	104.44	4.481	
3,400.0	3,357.4	3,364.0	3,363.1	11.2	76.5	33.52	-216.2	760.1	448.0	339.8	108.25	4.139	
3,500.0	3,454.4	3,464.6	3,463.4	11.7	79.8	35.42	-216.8	760.1	428.2	315.3	112.85	3.794	
3,600.0	3,551.5	3,561.6	3,560.5	12.1	83.2	37.36	-216.8	760.1	408.5	290.9	117.61	3.473	
3,700.0	3,648.5	3,657.6	3,656.4	12.5	86.5	39.31	-215.4	760.1	388.5	266.2	122.32	3.176	
3,800.0	3,745.5	3,753.0	3,751.8	13.0	89.9	41.70	-216.2	760.1	370.4	243.4	126.99	2.917	
3,900.0	3,842.6	3,853.1	3,851.6	13.4	94.2	44.43	-216.8	760.1	352.8	219.8	133.04	2.652	
4,000.0	3,939.6	3,950.1	3,948.6	13.9	99.0	47.27	-216.8	760.1	335.7	196.0	139.72	2.403	
4,100.0	4,036.6	4,045.2	4,043.6	14.3	103.7	50.00	-214.0	760.1	317.5	171.3	146.26	2.171	
4,200.0	4,133.6	4,139.1	4,137.3	14.8	108.4	53.51	-215.6	760.1	303.5	150.8	152.69	1.988 Advise and Monitor	
4,300.0	4,230.7	4,242.2	4,239.7	15.3	113.8	57.62	-216.8	760.1	290.5	130.3	160.15	1.814 Advise and Monitor	
4,400.0	4,327.7	4,333.8	4,331.1	15.7	118.7	61.36	-215.5	760.1	276.9	109.9	166.99	1.658 Advise and Monitor	
4,469.6	4,395.2	4,378.0	4,374.8	16.0	121.1	63.45	-216.8	760.1	271.8	102.5	169.36	1.605 Advise and Monitor, CC, ES, SF	
4,500.0	4,424.7	4,378.0	4,374.8	16.2	121.1	63.45	-216.8	760.1	273.5	107.1	166.45	1.643 Advise and Monitor	
4,600.0	4,521.8	4,378.0	4,374.8	16.7	121.1	63.45	-216.8	760.1	301.5	155.1	146.39	2.059	
4,700.0	4,618.8	4,378.0	4,374.8	17.1	121.1	63.45	-216.8	760.1	356.3	235.1	121.25	2.939	
4,800.0	4,715.8	4,378.0	4,374.8	17.6	121.1	63.45	-216.8	760.1	427.9	327.9	99.96	4.280	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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		Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.0	4,812.9	4,378.0	4,374.8	18.1	121.1	63.45	-216.8	760.1	509.1	424.9	84.14	6.050		
5,000.0	4,909.9	4,378.0	4,374.8	18.5	121.1	63.45	-216.8	760.1	596.0	523.2	72.82	8.185		
5,100.0	5,006.9	4,378.0	4,374.8	19.0	121.1	63.45	-216.8	760.1	686.5	621.8	64.76	10.601		
5,200.0	5,103.9	4,378.0	4,374.8	19.5	121.1	63.45	-216.8	760.1	779.4	720.4	59.00	13.210		
5,300.0	5,201.0	4,378.0	4,374.8	19.9	121.1	63.45	-216.8	760.1	873.8	818.9	54.85	15.931		
5,400.0	5,298.0	4,378.0	4,374.8	20.4	121.1	63.45	-216.8	760.1	969.3	917.5	51.83	18.700		

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 - ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 101-r.5 SDI_KPR_WL_NS-CT, 1280-r.5 MWD+IFR1, 11439-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
6,100.0	5,977.2	6,009.3	5,989.1	23.8	15.6	-12.56	279.6	1,990.8	993.2	954.3	38.90	25.534	
6,148.2	6,024.0	6,056.1	6,035.9	24.0	15.7	-12.71	279.6	1,990.8	981.8	942.6	39.16	25.069	
6,200.0	6,074.3	6,106.4	6,086.2	24.2	15.7	-12.84	279.6	1,990.8	969.8	930.3	39.45	24.583	
6,300.0	6,171.7	6,203.8	6,183.6	24.7	15.7	-13.09	279.6	1,990.8	947.9	907.9	40.02	23.687	
6,400.0	6,269.6	6,301.7	6,281.5	25.2	15.8	-13.34	279.6	1,990.8	927.6	887.1	40.58	22.862	
6,500.0	6,367.7	6,399.8	6,379.6	25.6	15.9	-13.57	279.6	1,990.8	909.1	868.0	41.13	22.103	
6,600.0	6,466.2	6,498.3	6,478.1	26.1	15.9	-13.79	279.6	1,990.8	892.2	850.6	41.67	21.410	
6,700.0	6,565.0	6,597.1	6,576.9	26.5	16.0	-13.99	279.6	1,990.8	877.1	834.9	42.21	20.780	
6,800.0	6,664.0	6,696.1	6,675.9	26.9	16.0	-14.18	279.6	1,990.8	863.6	820.9	42.73	20.210	
6,900.0	6,763.3	6,795.4	6,775.2	27.4	16.1	-14.36	279.6	1,990.8	851.8	808.6	43.24	19.698	
7,000.0	6,862.7	6,894.8	6,874.6	27.8	16.1	-14.51	279.6	1,990.8	841.7	798.0	43.74	19.243	
7,100.0	6,962.3	6,994.4	6,974.2	28.1	16.2	-14.63	279.6	1,990.8	833.3	789.1	44.22	18.843	
7,200.0	7,062.1	7,094.2	7,074.0	28.5	16.3	-14.74	279.6	1,990.8	826.6	781.9	44.69	18.498	
7,300.0	7,162.0	7,194.1	7,173.9	28.9	16.3	-14.82	279.6	1,990.8	821.6	776.4	45.12	18.206	
7,400.0	7,261.9	7,294.0	7,273.8	29.2	16.4	-14.87	279.6	1,990.8	818.2	772.7	45.53	17.971	
7,500.0	7,361.9	7,394.0	7,373.8	29.4	16.4	-14.90	279.6	1,990.8	816.6	770.7	45.88	17.797	
7,548.2	7,410.1	7,442.2	7,422.0	29.5	16.5	73.10	279.6	1,990.8	816.4	770.4	45.97	17.760	
7,600.0	7,461.9	7,494.0	7,473.8	29.5	16.5	73.10	279.6	1,990.8	816.4	770.4	46.00	17.749	
7,700.0	7,561.9	7,594.0	7,573.8	29.5	16.5	73.10	279.6	1,990.8	816.4	770.3	46.07	17.720	
7,800.0	7,661.9	7,694.0	7,673.8	29.5	16.6	73.10	279.6	1,990.8	816.4	770.2	46.15	17.691	
7,900.0	7,761.9	7,794.0	7,773.8	29.6	16.7	73.10	279.6	1,990.8	816.4	770.1	46.22	17.662	
8,000.0	7,861.9	7,894.0	7,873.8	29.6	16.7	73.10	279.6	1,990.8	816.4	770.1	46.30	17.633	
8,100.0	7,961.9	7,994.0	7,973.8	29.6	16.8	73.10	279.6	1,990.8	816.4	770.0	46.37	17.604	
8,200.0	8,061.9	8,094.0	8,073.8	29.6	16.8	73.10	279.6	1,990.8	816.4	769.9	46.45	17.575	
8,300.0	8,161.9	8,194.0	8,173.8	29.7	16.9	73.10	279.6	1,990.8	816.4	769.8	46.53	17.546	
8,400.0	8,261.9	8,294.0	8,273.8	29.7	17.0	73.10	279.6	1,990.8	816.4	769.8	46.60	17.517	
8,500.0	8,361.9	8,394.0	8,373.8	29.7	17.0	73.10	279.6	1,990.8	816.4	769.7	46.68	17.487	
8,600.0	8,461.9	8,494.0	8,473.8	29.8	17.1	73.10	279.6	1,990.8	816.4	769.6	46.76	17.458	
8,700.0	8,561.9	8,594.0	8,573.8	29.8	17.1	73.10	279.6	1,990.8	816.4	769.5	46.84	17.429	
8,800.0	8,661.9	8,694.0	8,673.8	29.8	17.2	73.10	279.6	1,990.8	816.4	769.4	46.92	17.399	
8,900.0	8,761.9	8,794.0	8,773.8	29.8	17.3	73.10	279.6	1,990.8	816.4	769.4	47.00	17.370	
9,000.0	8,861.9	8,894.0	8,873.8	29.9	17.3	73.10	279.6	1,990.8	816.4	769.3	47.08	17.340	
9,100.0	8,961.9	8,994.0	8,973.8	29.9	17.4	73.10	279.6	1,990.8	816.4	769.2	47.16	17.310	
9,200.0	9,061.9	9,094.0	9,073.8	29.9	17.5	73.10	279.6	1,990.8	816.4	769.1	47.24	17.281	
9,300.0	9,161.9	9,194.0	9,173.8	30.0	17.5	73.10	279.6	1,990.8	816.4	769.0	47.32	17.251	
9,400.0	9,261.9	9,294.0	9,273.8	30.0	17.6	73.10	279.6	1,990.8	816.4	769.0	47.40	17.221	
9,500.0	9,361.9	9,394.0	9,373.8	30.0	17.6	73.10	279.6	1,990.8	816.4	768.9	47.49	17.191	
9,600.0	9,461.9	9,494.0	9,473.8	30.0	17.7	73.10	279.6	1,990.8	816.4	768.8	47.57	17.161	
9,700.0	9,561.9	9,594.0	9,573.8	30.1	17.8	73.10	279.6	1,990.8	816.4	768.7	47.65	17.132	
9,800.0	9,661.9	9,694.0	9,673.8	30.1	17.8	73.10	279.6	1,990.8	816.4	768.6	47.74	17.102	
9,900.0	9,761.9	9,794.0	9,773.8	30.1	17.9	73.10	279.6	1,990.8	816.4	768.5	47.82	17.072	
10,000.0	9,861.9	9,894.0	9,873.8	30.2	18.0	73.10	279.6	1,990.8	816.4	768.5	47.90	17.042	
10,100.0	9,961.9	9,994.0	9,973.8	30.2	18.0	73.10	279.6	1,990.8	816.4	768.4	47.99	17.011	
10,200.0	10,061.9	10,094.0	10,073.8	30.2	18.1	73.10	279.6	1,990.8	816.4	768.3	48.07	16.981	
10,300.0	10,161.9	10,194.0	10,173.8	30.2	18.1	73.10	279.6	1,990.8	816.4	768.2	48.16	16.951	
10,400.0	10,261.9	10,294.0	10,273.8	30.3	18.2	73.10	279.6	1,990.8	816.4	768.1	48.25	16.921	
10,500.0	10,361.9	10,394.0	10,373.8	30.3	18.3	73.10	279.6	1,990.8	816.4	768.0	48.33	16.891	
10,600.0	10,461.9	10,494.0	10,473.8	30.3	18.3	73.10	279.6	1,990.8	816.4	767.9	48.42	16.861	
10,700.0	10,561.9	10,594.0	10,573.8	30.4	18.4	73.10	279.6	1,990.8	816.4	767.8	48.50	16.830	
10,800.0	10,661.9	10,694.0	10,673.8	30.4	18.5	73.10	279.6	1,990.8	816.4	767.8	48.59	16.800	
10,900.0	10,761.9	10,794.0	10,773.8	30.4	18.5	73.10	279.6	1,990.8	816.4	767.7	48.68	16.770	
11,000.0	10,861.9	10,894.0	10,873.8	30.5	18.6	73.10	279.6	1,990.8	816.4	767.6	48.77	16.739	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 - ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 101-r.5 SDI_KPR_WL_NS-CT, 1280-r.5 MWD+IFR1, 11439-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
11,100.0	10,961.9	10,994.0	10,973.8	30.5	18.7	73.10	279.6	1,990.8	816.4	767.5	48.86	16.709	
11,200.0	11,061.9	11,094.0	11,073.8	30.5	18.7	73.10	279.6	1,990.8	816.4	767.4	48.95	16.679	
11,300.0	11,161.9	11,194.0	11,173.8	30.6	18.8	73.10	279.6	1,990.8	816.4	767.3	49.04	16.648	
11,400.0	11,261.9	11,294.0	11,273.8	30.6	18.8	73.10	279.6	1,990.8	816.4	767.2	49.12	16.618	
11,500.0	11,361.9	11,394.0	11,373.8	30.6	18.9	73.10	279.6	1,990.8	816.4	767.1	49.21	16.588	
11,507.5	11,369.4	11,401.4	11,381.3	30.6	18.9	73.10	279.6	1,990.8	816.4	767.1	49.22	16.586 CC, ES	
11,574.6	11,436.5	11,458.8	11,438.6	30.6	18.9	73.07	280.0	1,990.8	816.5	767.2	49.30	16.562 SF	
11,600.0	11,461.9	11,475.0	11,454.8	30.7	18.9	-106.58	280.9	1,990.8	817.2	767.9	49.24	16.597	
11,625.0	11,486.8	11,492.2	11,471.9	30.7	18.9	-106.63	282.6	1,990.8	818.4	769.2	49.26	16.615	
11,650.0	11,511.6	11,508.2	11,487.8	30.7	18.9	-106.69	284.6	1,990.8	820.3	771.1	49.27	16.650	
11,675.0	11,536.1	11,525.0	11,504.3	30.7	18.9	-106.77	287.3	1,990.8	822.9	773.6	49.26	16.707	
11,700.0	11,560.5	11,538.4	11,517.5	30.7	18.9	-106.77	289.9	1,990.7	826.2	776.9	49.25	16.775	
11,725.0	11,584.4	11,550.0	11,528.8	30.7	18.9	-106.68	292.5	1,990.7	830.2	781.0	49.24	16.859	
11,750.0	11,608.0	11,565.3	11,543.6	30.7	18.9	-106.69	296.2	1,990.7	835.0	785.8	49.18	16.977	
11,775.0	11,631.1	11,575.0	11,553.0	30.7	18.9	-106.44	298.9	1,990.7	840.5	791.3	49.15	17.100	
11,800.0	11,653.6	11,588.4	11,565.7	30.7	18.9	-106.29	302.8	1,990.7	846.8	797.8	49.07	17.259	
11,825.0	11,675.6	11,600.0	11,576.8	30.7	19.0	-106.00	306.5	1,990.6	854.0	805.0	48.98	17.436	
11,850.0	11,696.9	11,607.4	11,583.7	30.7	19.0	-105.43	309.1	1,990.6	862.0	813.1	48.91	17.624	
11,875.0	11,717.5	11,615.4	11,591.2	30.7	19.0	-104.78	311.9	1,990.6	870.8	822.0	48.82	17.838	
11,900.0	11,737.3	11,625.0	11,600.1	30.7	19.0	-104.14	315.4	1,990.6	880.4	831.7	48.69	18.082	
11,925.0	11,756.3	11,625.0	11,600.1	30.7	19.0	-102.80	315.4	1,990.6	890.9	842.2	48.64	18.314	
11,950.0	11,774.4	11,633.7	11,608.1	30.7	19.0	-101.89	318.8	1,990.6	902.0	853.5	48.49	18.603	
11,975.0	11,791.6	11,638.0	11,612.1	30.7	19.0	-100.58	320.6	1,990.6	914.0	865.6	48.36	18.897	
12,000.0	11,807.8	11,641.5	11,615.3	30.7	19.0	-99.09	322.0	1,990.5	926.6	878.3	48.23	19.211	
12,025.0	11,823.0	11,650.0	11,623.0	30.7	19.0	-97.82	325.6	1,990.5	939.9	891.8	48.03	19.568	
12,050.0	11,837.2	11,650.0	11,623.0	30.7	19.0	-95.84	325.6	1,990.5	953.7	905.8	47.91	19.907	
12,075.0	11,850.2	11,650.0	11,623.0	30.7	19.0	-93.74	325.6	1,990.5	968.1	920.3	47.77	20.265	
12,100.0	11,862.1	11,650.0	11,623.0	30.7	19.0	-91.51	325.6	1,990.5	983.0	935.4	47.62	20.641	
12,125.0	11,872.9	11,650.0	11,623.0	30.8	19.0	-89.19	325.6	1,990.5	998.3	950.9	47.46	21.033	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 - ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 62-GYRO-NS, 1310-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)			
9,100.0	8,961.9	9,095.1	9,089.0	29.9	13.1	89.36	53.3	2,197.3	994.7	949.4	45.27	21.972	
9,200.0	9,061.9	9,199.8	9,192.9	29.9	13.3	89.23	55.4	2,184.6	982.5	937.1	45.41	21.638	
9,300.0	9,161.9	9,299.7	9,292.0	30.0	13.6	89.09	57.5	2,172.1	970.1	924.5	45.59	21.280	
9,400.0	9,261.9	9,397.1	9,388.5	30.0	13.8	88.88	60.8	2,160.0	957.7	911.9	45.79	20.915	
9,500.0	9,361.9	9,500.5	9,491.0	30.0	14.1	88.55	66.0	2,147.1	945.3	899.3	45.95	20.570	
9,600.0	9,461.9	9,598.0	9,587.6	30.0	14.4	88.19	71.5	2,134.5	932.6	886.4	46.17	20.200	
9,700.0	9,561.9	9,686.4	9,675.1	30.1	14.6	87.82	77.1	2,123.7	920.5	874.1	46.44	19.821	
9,800.0	9,661.9	9,775.4	9,763.4	30.1	14.9	87.42	82.9	2,114.0	909.9	863.1	46.71	19.480	
9,900.0	9,761.9	9,863.5	9,850.9	30.1	15.1	87.10	87.5	2,105.4	900.4	853.4	46.98	19.163	
10,000.0	9,861.9	9,951.5	9,938.6	30.2	15.4	86.91	90.2	2,098.0	892.2	844.9	47.26	18.878	
10,100.0	9,961.9	10,046.4	10,033.2	30.2	15.6	86.76	92.1	2,091.1	885.0	837.5	47.49	18.636	
10,200.0	10,061.9	10,137.9	10,124.5	30.2	15.9	86.64	93.6	2,085.0	878.4	830.6	47.74	18.399	
10,300.0	10,161.9	10,225.9	10,212.4	30.2	16.1	86.54	94.9	2,080.1	873.0	825.0	48.01	18.184	
10,400.0	10,261.9	10,315.0	10,301.4	30.3	16.4	86.45	96.1	2,076.4	868.9	820.7	48.26	18.006	
10,500.0	10,361.9	10,411.1	10,397.5	30.3	16.6	86.37	97.0	2,073.4	865.8	817.4	48.46	17.866	
10,600.0	10,461.9	10,509.6	10,495.9	30.3	16.8	86.28	98.1	2,070.4	862.8	814.2	48.65	17.735	
10,700.0	10,561.9	10,605.5	10,591.7	30.4	17.1	86.19	99.3	2,067.8	860.2	811.3	48.85	17.607	
10,800.0	10,661.9	10,696.9	10,683.1	30.4	17.3	86.14	100.0	2,065.9	858.2	809.2	49.07	17.489	
10,900.0	10,761.9	10,791.2	10,777.4	30.4	17.4	86.14	100.0	2,065.0	857.3	808.0	49.27	17.401	
11,000.0	10,861.9	10,889.8	10,876.0	30.5	17.6	86.14	99.9	2,064.5	856.7	807.3	49.43	17.331	
11,100.0	10,961.9	10,989.0	10,975.2	30.5	17.7	86.17	99.5	2,064.0	856.2	806.6	49.58	17.270	
11,200.0	11,061.9	11,086.7	11,072.9	30.5	17.8	86.23	98.5	2,063.7	855.9	806.2	49.70	17.220	
11,236.1	11,097.9	11,121.2	11,107.3	30.5	17.8	86.28	97.8	2,063.7	855.8	806.1	49.74	17.204	
11,300.0	11,161.9	11,178.1	11,164.3	30.6	17.7	86.43	95.6	2,064.2	856.1	806.3	49.81	17.187	
11,400.0	11,261.9	11,278.9	11,264.6	30.6	17.7	87.01	86.9	2,065.4	856.9	807.0	49.87	17.183	
11,500.0	11,361.9	11,390.4	11,374.7	30.6	17.6	88.22	68.8	2,066.7	857.4	807.5	49.87	17.190	
11,574.6	11,436.5	11,479.8	11,461.1	30.6	17.6	89.72	46.4	2,065.9	856.3	806.4	49.85	17.178	
11,600.0	11,461.9	11,505.3	11,485.4	30.7	17.6	-89.48	38.6	2,065.4	855.8	806.2	49.63	17.244	
11,625.0	11,486.8	11,530.5	11,509.1	30.7	17.6	-89.08	30.0	2,065.0	855.4	805.8	49.64	17.231	
11,650.0	11,511.6	11,555.6	11,532.3	30.7	17.6	-88.70	20.5	2,064.5	855.0	805.3	49.66	17.218	
11,675.0	11,536.1	11,580.4	11,554.9	30.7	17.6	-88.36	10.3	2,064.0	854.6	804.9	49.67	17.205	
11,700.0	11,560.5	11,604.7	11,576.7	30.7	17.6	-88.06	-0.3	2,063.5	854.1	804.5	49.69	17.191	
11,725.0	11,584.4	11,629.0	11,598.4	30.7	17.6	-87.82	-11.3	2,063.0	853.7	804.0	49.70	17.177	
11,750.0	11,608.0	11,649.6	11,616.6	30.7	17.6	-87.66	-21.1	2,062.6	853.3	803.5	49.74	17.155	
11,775.0	11,631.1	11,668.5	11,632.9	30.7	17.6	-87.53	-30.5	2,062.3	853.0	803.2	49.79	17.132	
11,800.0	11,653.6	11,689.5	11,650.8	30.7	17.6	-87.40	-41.5	2,062.2	852.8	803.0	49.82	17.117	
11,825.0	11,675.6	11,717.4	11,674.2	30.7	17.6	-87.28	-56.9	2,061.9	852.5	802.7	49.81	17.115	
11,850.0	11,696.9	11,745.4	11,697.1	30.7	17.6	-87.22	-72.8	2,061.5	852.1	802.3	49.80	17.111	
11,875.0	11,717.5	11,766.0	11,713.7	30.7	17.6	-87.22	-85.1	2,061.2	851.7	801.9	49.84	17.090	
11,900.0	11,737.3	11,782.9	11,726.9	30.7	17.6	-87.23	-95.7	2,061.0	851.4	801.5	49.90	17.062	
11,921.5	11,753.6	11,794.7	11,735.8	30.7	17.6	-87.24	-103.4	2,061.0	851.3	801.3	49.97	17.036 CC	
11,925.0	11,756.3	11,796.7	11,737.3	30.7	17.6	-87.24	-104.7	2,061.0	851.3	801.3	49.98	17.033	
11,950.0	11,774.4	11,807.0	11,744.8	30.7	17.7	-87.22	-111.7	2,061.1	851.5	801.4	50.08	17.003	
11,975.0	11,791.6	11,823.8	11,756.8	30.7	17.7	-87.20	-123.5	2,061.5	851.9	801.8	50.13	16.993	
12,000.0	11,807.8	11,838.0	11,766.5	30.7	17.7	-87.16	-133.8	2,062.0	852.6	802.4	50.20	16.985	
12,025.0	11,823.0	11,852.7	11,776.2	30.7	17.7	-87.12	-144.8	2,062.7	853.6	803.3	50.26	16.984	
12,050.0	11,837.2	11,868.0	11,786.0	30.7	17.7	-87.07	-156.6	2,063.5	854.8	804.5	50.31	16.991	
12,075.0	11,850.2	11,881.8	11,794.4	30.7	17.7	-87.01	-167.4	2,064.5	856.2	805.8	50.36	17.001	
12,100.0	11,862.1	11,900.0	11,805.0	30.7	17.7	-86.97	-182.2	2,065.9	857.9	807.5	50.39	17.025	
12,125.0	11,872.9	11,913.3	11,812.3	30.8	17.7	-86.88	-193.3	2,067.1	859.8	809.3	50.44	17.047	
12,150.0	11,882.4	11,933.9	11,822.9	30.8	17.7	-86.86	-210.8	2,069.0	861.8	811.3	50.45	17.081	
12,175.0	11,890.7	11,955.4	11,833.1	30.8	17.7	-86.84	-229.6	2,071.1	863.8	813.3	50.47	17.117	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 - ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 62-GYRO-NS, 1310-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		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	
12,200.0	11,897.8	12,012.0	11,854.5	30.8	17.8	-87.05	-281.8	2,075.4	865.5	815.1	50.41	17.170	
12,225.0	11,903.6	12,047.5	11,864.8	30.8	17.8	-87.08	-315.7	2,076.9	866.3	815.9	50.41	17.185	
12,250.0	11,908.2	12,071.2	11,870.5	30.9	17.8	-87.09	-338.7	2,077.8	867.0	816.6	50.45	17.187	
12,275.0	11,911.4	12,089.0	11,874.1	30.9	17.9	-87.10	-356.1	2,078.5	867.7	817.2	50.49	17.185	
12,300.0	11,913.4	12,111.0	11,877.8	30.9	17.9	-87.13	-377.7	2,079.4	868.5	818.0	50.53	17.187	
12,324.6	11,914.0	12,120.0	11,879.0	30.9	17.9	-87.07	-386.7	2,079.8	869.5	818.9	50.58	17.190	
12,400.0	11,914.0	12,177.6	11,883.3	31.0	18.0	-87.36	-444.0	2,083.7	873.8	823.1	50.72	17.230	
12,500.0	11,914.0	12,267.3	11,884.6	31.1	18.2	-87.47	-533.4	2,091.2	881.5	830.5	50.96	17.297	
12,600.0	11,914.0	12,381.6	11,883.3	31.3	18.4	-87.41	-647.3	2,099.8	888.3	837.0	51.30	17.317	
12,700.0	11,914.0	12,468.0	11,881.2	31.4	18.6	-87.29	-733.4	2,106.4	895.4	843.8	51.65	17.337	
12,800.0	11,914.0	12,554.8	11,878.9	31.6	18.9	-87.17	-819.8	2,114.7	904.5	852.4	52.04	17.382	
12,900.0	11,914.0	12,686.6	11,876.8	31.8	19.3	-87.07	-951.2	2,125.4	912.0	859.4	52.54	17.357	
13,000.0	11,914.0	12,845.2	11,878.4	32.1	19.9	-87.18	-1,109.6	2,130.7	914.6	861.5	53.08	17.230	
13,099.1	11,914.0	12,939.3	11,877.4	32.3	20.2	-87.12	-1,203.7	2,130.4	913.7	860.1	53.62	17.042	
13,100.0	11,914.0	12,939.9	11,877.4	32.3	20.3	-87.12	-1,204.3	2,130.4	913.7	860.1	53.62	17.041	
13,200.0	11,914.0	13,010.1	11,876.1	32.5	20.6	-87.04	-1,274.5	2,132.1	915.5	861.3	54.20	16.891	
13,300.0	11,914.0	13,154.4	11,874.9	32.8	21.2	-86.97	-1,418.7	2,134.8	916.9	862.1	54.82	16.726	
13,400.0	11,914.0	13,267.7	11,874.7	33.1	21.7	-86.94	-1,532.0	2,132.1	913.9	858.4	55.45	16.481	
13,500.0	11,914.0	13,357.7	11,873.1	33.4	22.1	-86.83	-1,621.9	2,130.4	911.4	855.3	56.13	16.238	
13,600.0	11,914.0	13,465.4	11,872.1	33.7	22.6	-86.77	-1,729.6	2,128.8	909.3	852.5	56.82	16.005	
13,700.0	11,914.0	13,581.6	11,872.9	34.0	23.1	-86.80	-1,845.7	2,125.2	905.5	848.0	57.52	15.742	
13,800.0	11,914.0	13,670.0	11,873.1	34.4	23.6	-86.80	-1,934.1	2,122.4	901.7	843.4	58.30	15.467	
13,900.0	11,914.0	13,770.3	11,873.3	34.7	24.1	-86.80	-2,034.3	2,119.7	898.4	839.3	59.08	15.205	
14,000.0	11,914.0	13,863.5	11,873.9	35.1	24.6	-86.83	-2,127.5	2,117.5	895.3	835.4	59.90	14.946	
14,100.0	11,914.0	13,947.0	11,874.4	35.5	25.0	-86.86	-2,211.0	2,116.8	893.8	833.1	60.75	14.712	
14,200.0	11,914.0	14,066.5	11,873.5	35.9	25.7	-86.79	-2,330.5	2,114.6	891.2	829.5	61.63	14.459	
14,293.4	11,914.0	14,134.0	11,872.4	36.2	26.1	-86.72	-2,398.0	2,114.0	889.9	827.4	62.48	14.242	
14,300.0	11,914.0	14,134.0	11,872.4	36.3	26.1	-86.72	-2,398.0	2,114.0	889.9	827.3	62.53	14.230	
14,400.0	11,914.0	14,229.0	11,870.8	36.7	26.6	-86.62	-2,493.0	2,115.7	891.1	827.6	63.44	14.045	
14,500.0	11,914.0	14,316.9	11,869.4	37.1	27.1	-86.53	-2,580.9	2,118.3	893.5	829.1	64.35	13.884	
14,600.0	11,914.0	14,413.4	11,868.3	37.5	27.7	-86.47	-2,677.3	2,121.6	896.3	831.0	65.30	13.726	
14,700.0	11,914.0	14,532.6	11,866.2	38.0	28.4	-86.35	-2,796.4	2,124.7	898.3	832.0	66.31	13.548	
14,800.0	11,914.0	14,641.4	11,864.6	38.4	29.1	-86.25	-2,905.2	2,125.5	898.5	831.2	67.31	13.349	
14,900.0	11,914.0	14,742.6	11,864.3	38.9	29.7	-86.23	-3,006.3	2,126.1	898.5	830.2	68.33	13.151	
15,000.0	11,914.0	14,847.3	11,864.0	39.4	30.3	-86.21	-3,111.0	2,126.3	898.1	828.7	69.36	12.948	
15,100.0	11,914.0	14,955.3	11,864.0	39.9	31.0	-86.20	-3,219.1	2,125.8	897.0	826.6	70.41	12.739	
15,200.0	11,914.0	15,056.7	11,863.7	40.4	31.6	-86.17	-3,320.5	2,124.7	895.2	823.7	71.48	12.524	
15,283.0	11,914.0	15,124.0	11,863.3	40.8	32.1	-86.15	-3,387.7	2,124.3	894.3	821.9	72.37	12.357	
15,300.0	11,914.0	15,136.9	11,863.3	40.9	32.2	-86.14	-3,400.7	2,124.4	894.3	821.8	72.55	12.327	
15,400.0	11,914.0	15,235.0	11,863.6	41.4	32.8	-86.17	-3,498.7	2,126.1	895.4	821.8	73.65	12.157	
15,500.0	11,914.0	15,330.8	11,863.6	41.9	33.4	-86.18	-3,594.5	2,127.4	896.1	821.3	74.76	11.987	
15,600.0	11,914.0	15,445.3	11,863.7	42.4	34.2	-86.19	-3,709.0	2,128.9	896.8	820.9	75.90	11.814	
15,700.0	11,914.0	15,572.4	11,864.8	42.9	35.0	-86.24	-3,836.1	2,126.2	893.7	816.7	77.07	11.597	
15,800.0	11,914.0	15,649.8	11,866.1	43.5	35.5	-86.31	-3,913.4	2,125.1	891.5	813.3	78.23	11.396	
15,851.8	11,914.0	15,692.8	11,866.6	43.7	35.8	-86.35	-3,956.5	2,125.2	891.3	812.5	78.83	11.307	
15,900.0	11,914.0	15,732.0	11,866.7	44.0	36.1	-86.35	-3,995.6	2,125.7	891.5	812.1	79.37	11.232	
16,000.0	11,914.0	15,810.1	11,866.6	44.6	36.6	-86.35	-4,073.7	2,127.9	893.7	813.2	80.49	11.104	
16,100.0	11,914.0	15,946.8	11,868.1	45.1	37.5	-86.46	-4,210.3	2,131.0	895.4	813.6	81.79	10.947	
16,200.0	11,914.0	16,073.0	11,869.1	45.7	38.4	-86.52	-4,336.6	2,129.7	893.8	810.7	83.00	10.768	
16,300.0	11,914.0	16,166.9	11,871.1	46.2	39.0	-86.63	-4,430.3	2,126.7	889.8	805.6	84.23	10.564	
16,400.0	11,914.0	16,245.0	11,871.9	46.8	39.6	-86.68	-4,508.4	2,126.0	888.2	802.7	85.44	10.395	
16,417.4	11,914.0	16,258.7	11,872.1	46.9	39.7	-86.69	-4,522.1	2,126.1	888.2	802.5	85.65	10.369	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 - ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 62-GYRO-NS, 1310-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)			
16,500.0	11,914.0	16,333.1	11,872.8	47.4	40.2	-86.73	-4,596.5	2,127.2	888.8	802.1	86.65	10.257	
16,600.0	11,914.0	16,432.6	11,872.9	48.0	40.9	-86.75	-4,696.0	2,128.6	889.6	801.7	87.89	10.122	
16,700.0	11,914.0	16,550.6	11,873.7	48.6	41.7	-86.80	-4,814.0	2,130.2	890.3	801.1	89.18	9.984	
16,800.0	11,914.0	16,658.0	11,874.9	49.1	42.4	-86.87	-4,921.4	2,128.9	888.4	798.0	90.44	9.823	
16,900.0	11,914.0	16,751.9	11,876.0	49.7	43.1	-86.94	-5,015.2	2,128.1	886.8	795.1	91.70	9.671	
17,000.0	11,914.0	16,858.7	11,877.5	50.3	43.8	-87.03	-5,122.1	2,127.3	885.4	792.4	92.98	9.522	
17,100.0	11,914.0	16,971.1	11,875.9	50.9	44.6	-86.92	-5,234.4	2,124.9	882.6	788.4	94.24	9.366	
17,200.0	11,914.0	17,067.7	11,874.2	51.6	45.3	-86.79	-5,331.0	2,122.2	879.3	783.8	95.50	9.207	
17,300.0	11,914.0	17,153.6	11,873.7	52.2	45.9	-86.75	-5,416.9	2,120.8	877.1	780.3	96.78	9.063	
17,373.3	11,914.0	17,214.8	11,874.1	52.6	46.3	-86.78	-5,478.0	2,120.8	876.6	778.9	97.71	8.971	
17,400.0	11,914.0	17,237.8	11,874.3	52.8	46.5	-86.79	-5,501.0	2,121.1	876.7	778.6	98.05	8.941	
17,500.0	11,914.0	17,357.4	11,875.3	53.4	47.3	-86.85	-5,620.7	2,120.5	875.4	776.0	99.39	8.808	
17,600.0	11,914.0	17,444.9	11,875.6	54.0	47.9	-86.87	-5,708.1	2,120.1	874.3	773.6	100.68	8.684	
17,632.6	11,914.0	17,474.2	11,875.7	54.2	48.1	-86.87	-5,737.4	2,120.3	874.3	773.2	101.10	8.647	
17,700.0	11,914.0	17,533.8	11,875.6	54.7	48.6	-86.86	-5,797.0	2,120.9	874.5	772.6	101.96	8.577	
17,800.0	11,914.0	17,614.0	11,875.8	55.3	49.1	-86.88	-5,877.2	2,122.8	876.3	773.1	103.20	8.491	
17,900.0	11,914.0	17,707.0	11,876.7	55.9	49.8	-86.95	-5,970.1	2,126.7	879.8	775.3	104.49	8.420	
18,000.0	11,914.0	17,787.8	11,878.3	56.6	50.4	-87.07	-6,050.8	2,131.6	885.0	779.3	105.69	8.373	
18,100.0	11,914.0	17,877.0	11,880.1	57.2	51.0	-87.21	-6,139.7	2,138.2	891.7	784.8	106.94	8.338	
18,200.0	11,914.0	17,965.0	11,880.0	57.9	51.7	-87.22	-6,227.4	2,145.8	899.6	791.5	108.16	8.318	
18,300.0	11,914.0	18,049.2	11,878.6	58.5	52.3	-87.16	-6,311.1	2,154.2	909.0	799.7	109.31	8.316	
18,400.0	11,914.0	18,142.1	11,876.1	59.2	52.9	-87.04	-6,403.4	2,164.7	919.9	809.3	110.56	8.320	
18,500.0	11,914.0	18,244.6	11,870.2	59.8	53.7	-86.70	-6,505.0	2,176.2	930.8	818.9	111.91	8.317	
18,600.0	11,914.0	18,349.0	11,864.6	60.5	54.4	-86.40	-6,608.7	2,187.5	941.2	827.9	113.29	8.308	
18,700.0	11,914.0	18,551.8	11,857.8	61.1	55.9	-86.03	-6,810.9	2,199.8	947.8	832.4	115.38	8.214	
18,800.0	11,914.0	18,729.5	11,857.8	61.8	57.3	-85.99	-6,988.2	2,189.7	940.3	823.7	116.55	8.068	
18,900.0	11,914.0	18,846.5	11,858.1	62.4	58.1	-85.95	-7,104.8	2,178.8	930.3	812.6	117.75	7.901	
19,000.0	11,914.0	18,931.0	11,858.4	63.1	58.7	-85.93	-7,188.9	2,170.9	920.3	801.1	119.22	7.719	
19,100.0	11,914.0	19,015.1	11,858.7	63.8	59.3	-85.92	-7,272.7	2,164.5	912.0	791.4	120.69	7.557	
19,200.0	11,914.0	19,097.7	11,858.9	64.4	59.9	-85.91	-7,355.2	2,159.6	905.5	783.4	122.14	7.414	
19,300.0	11,914.0	19,186.5	11,859.1	65.1	60.5	-85.90	-7,443.9	2,155.9	900.6	777.1	123.55	7.290	
19,400.0	11,914.0	19,280.3	11,859.3	65.8	61.2	-85.90	-7,537.6	2,152.8	896.6	771.7	124.93	7.177	
19,500.0	11,914.0	19,375.5	11,859.7	66.5	61.9	-85.91	-7,632.8	2,150.1	893.2	766.9	126.32	7.071	
19,600.0	11,914.0	19,466.5	11,860.0	67.1	62.6	-85.92	-7,723.8	2,148.3	890.5	762.8	127.71	6.973	
19,700.0	11,914.0	19,565.6	11,860.4	67.8	63.3	-85.93	-7,822.8	2,147.0	888.6	759.5	129.10	6.883	
19,800.0	11,914.0	19,658.7	11,860.7	68.5	64.0	-85.95	-7,916.0	2,146.0	886.8	756.3	130.48	6.796	
19,900.0	11,914.0	19,752.4	11,860.9	69.2	64.7	-85.96	-8,009.7	2,145.8	885.9	754.0	131.87	6.718	
20,000.0	11,914.0	19,849.5	11,861.1	69.9	65.4	-85.97	-8,106.8	2,146.1	885.5	752.3	133.26	6.645	
20,100.0	11,914.0	19,948.0	11,861.4	70.5	66.1	-85.98	-8,205.3	2,146.6	885.4	750.7	134.65	6.575	
20,124.0	11,914.0	19,971.3	11,861.5	70.7	66.3	-85.99	-8,228.5	2,146.7	885.4	750.4	134.99	6.559	
20,200.0	11,914.0	20,040.4	11,861.6	71.2	66.8	-86.00	-8,297.7	2,147.5	885.7	749.6	136.03	6.511	
20,300.0	11,914.0	20,142.1	11,861.9	71.9	67.5	-86.02	-8,399.3	2,149.0	886.5	749.1	137.44	6.450	
20,400.0	11,914.0	20,239.3	11,862.2	72.6	68.2	-86.04	-8,496.5	2,150.3	887.2	748.4	138.84	6.390	
20,500.0	11,914.0	20,341.1	11,862.5	73.3	69.0	-86.07	-8,598.4	2,151.9	888.0	747.8	140.26	6.332	
20,600.0	11,914.0	20,453.0	11,862.8	74.0	69.8	-86.09	-8,710.3	2,152.5	887.9	746.2	141.70	6.266	
20,682.6	11,914.0	20,530.0	11,863.0	74.6	70.4	-86.10	-8,787.2	2,152.8	887.6	744.8	142.85	6.214	
20,700.0	11,914.0	20,547.0	11,863.1	74.7	70.5	-86.10	-8,804.3	2,152.9	887.6	744.5	143.10	6.203	
20,800.0	11,914.0	20,645.5	11,863.5	75.4	71.2	-86.13	-8,902.7	2,153.7	887.8	743.3	144.51	6.143	
20,900.0	11,914.0	20,741.6	11,863.9	76.1	72.0	-86.16	-8,998.8	2,154.6	888.1	742.2	145.92	6.086	
21,000.0	11,914.0	20,836.0	11,864.3	76.8	72.7	-86.19	-9,093.2	2,156.4	889.3	742.0	147.31	6.037	
21,100.0	11,914.0	20,949.5	11,864.1	77.5	73.5	-86.18	-9,206.7	2,157.8	889.9	741.1	148.78	5.981	
21,200.0	11,914.0	21,051.2	11,864.4	78.2	74.2	-86.19	-9,308.4	2,157.8	889.2	739.0	150.20	5.920	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 - ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 62-GYRO-NS, 1310-F.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		
21,235.3	11,914.0	21,082.7	11,864.6	78.4	74.5	-86.21	-9,339.9	2,157.9	889.1	738.4	150.70	5.900		
21,300.0	11,914.0	21,144.6	11,865.1	78.9	74.9	-86.24	-9,401.8	2,158.5	889.2	737.6	151.61	5.865		
21,400.0	11,914.0	21,242.3	11,865.5	79.6	75.7	-86.27	-9,499.4	2,159.6	889.7	736.7	153.03	5.814		
21,500.0	11,914.0	21,366.9	11,865.6	80.3	76.6	-86.27	-9,624.0	2,160.0	889.5	735.0	154.50	5.757		
21,600.0	11,914.0	21,463.0	11,865.3	81.0	77.3	-86.25	-9,720.2	2,158.5	887.4	731.4	155.92	5.691		
21,700.0	11,914.0	21,565.0	11,865.3	81.7	78.1	-86.24	-9,822.2	2,157.2	885.4	728.0	157.35	5.627		
21,793.8	11,914.0	21,641.3	11,865.2	82.4	78.6	-86.22	-9,898.4	2,156.8	884.3	725.7	158.67	5.573		
21,800.0	11,914.0	21,646.2	11,865.2	82.4	78.7	-86.22	-9,903.3	2,156.8	884.3	725.6	158.75	5.571		
21,844.3	11,914.0	21,686.8	11,865.2	82.7	79.0	-86.23	-9,944.0	2,157.3	884.5	725.2	159.37	5.550		
21,894.3	11,914.0	21,736.5	11,865.2	83.1	79.3	-86.23	-9,993.7	2,157.9	884.8	724.7	160.08	5.527 ES, SF		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	-3.40	251.3	-14.9	251.8	244.8	6.98	36.069		
100.0	100.0	97.0	97.0	3.1	3.1	-3.40	251.3	-14.9	251.8	244.5	7.22	34.863		
200.0	200.0	197.0	197.0	3.2	3.2	-3.40	251.3	-14.9	251.8	244.3	7.47	33.704		
300.0	300.0	297.0	297.0	3.4	3.4	-3.40	251.3	-14.9	251.8	244.0	7.71	32.637		
400.0	400.0	397.0	397.0	3.5	3.5	-3.40	251.3	-14.9	251.8	243.8	7.96	31.643		
500.0	500.0	497.0	497.0	3.6	3.6	-3.40	251.3	-14.9	251.8	243.6	8.20	30.713		
600.0	600.0	597.0	597.0	3.7	3.7	-3.40	251.3	-14.9	251.8	243.3	8.44	29.841		
700.0	700.0	697.0	697.0	3.9	3.9	-3.40	251.3	-14.9	251.8	243.1	8.68	29.021		
800.0	800.0	797.0	797.0	4.0	4.0	-3.40	251.3	-14.9	251.8	242.8	8.91	28.248		
900.0	900.0	897.0	897.0	4.1	4.1	-3.40	251.3	-14.9	251.8	242.6	9.15	27.518		
1,000.0	1,000.0	997.0	997.0	4.2	4.2	-3.40	251.3	-14.9	251.8	242.4	9.38	26.828		
1,100.0	1,100.0	1,097.0	1,097.0	4.3	4.3	-3.40	251.3	-14.9	251.8	242.1	9.62	26.173		
1,200.0	1,200.0	1,197.0	1,197.0	4.5	4.5	-3.40	251.3	-14.9	251.8	241.9	9.85	25.552		
1,300.0	1,300.0	1,297.0	1,297.0	4.6	4.6	-3.40	251.3	-14.9	251.8	241.7	10.09	24.961		
1,400.0	1,400.0	1,397.0	1,397.0	4.7	4.7	-3.40	251.3	-14.9	251.8	241.4	10.32	24.399		
1,500.0	1,500.0	1,497.0	1,497.0	4.8	4.8	-3.40	251.3	-14.9	251.8	241.2	10.55	23.862 CC, ES		
1,600.0	1,600.0	1,596.8	1,596.8	4.9	4.9	-92.16	251.2	-16.5	251.8	241.4	10.41	24.204		
1,700.0	1,699.8	1,695.9	1,695.8	5.1	5.1	-94.47	251.0	-21.6	252.4	241.7	10.69	23.604		
1,800.0	1,799.5	1,793.6	1,793.1	5.3	5.3	-98.22	250.5	-29.9	254.1	243.2	10.98	23.155		
1,900.0	1,898.7	1,889.2	1,888.0	5.6	5.5	-103.16	249.9	-41.3	258.5	247.2	11.27	22.938 SF		
2,000.0	1,997.5	1,982.2	1,979.9	5.9	5.9	-108.96	249.2	-55.3	267.1	255.5	11.60	23.018		
2,100.0	2,095.6	2,071.9	2,068.1	6.3	6.2	-115.16	248.3	-71.7	281.5	269.5	12.01	23.443		
2,200.0	2,193.1	2,161.3	2,155.6	6.6	6.4	-121.47	247.4	-90.2	302.7	290.2	12.50	24.205		
2,300.0	2,290.1	2,251.2	2,243.5	6.9	6.7	-127.62	246.4	-108.8	329.1	316.0	13.06	25.199		
2,400.0	2,387.1	2,341.1	2,331.4	7.3	7.0	-132.90	245.4	-127.5	358.9	345.2	13.66	26.266		
2,500.0	2,484.1	2,430.9	2,419.3	7.6	7.3	-137.43	244.4	-146.1	391.4	377.0	14.31	27.351		
2,600.0	2,581.2	2,520.8	2,507.2	8.0	7.6	-141.30	243.5	-164.8	425.9	410.9	14.99	28.418		
2,700.0	2,678.2	2,610.7	2,595.2	8.3	7.9	-144.62	242.5	-183.5	461.9	446.3	15.69	29.446		
2,800.0	2,775.2	2,700.6	2,683.1	8.7	8.2	-147.48	241.5	-202.1	499.3	482.9	16.41	30.423		
2,900.0	2,872.3	2,790.5	2,771.0	9.1	8.6	-149.96	240.5	-220.8	537.6	520.4	17.15	31.344		
3,000.0	2,969.3	2,880.3	2,858.9	9.5	8.9	-152.13	239.6	-239.4	576.7	558.8	17.91	32.208		
3,100.0	3,066.3	2,970.2	2,946.8	9.9	9.3	-154.02	238.6	-258.1	616.4	597.8	18.67	33.015		
3,200.0	3,163.4	3,060.1	3,034.7	10.4	9.6	-155.70	237.6	-276.8	656.7	637.3	19.45	33.767		
3,300.0	3,260.4	3,150.0	3,122.7	10.8	10.0	-157.19	236.6	-295.4	697.4	677.2	20.23	34.467		
3,400.0	3,357.4	3,239.9	3,210.6	11.2	10.4	-158.51	235.6	-314.1	738.4	717.4	21.03	35.120		
3,500.0	3,454.4	3,329.7	3,298.5	11.7	10.8	-159.70	234.7	-332.8	779.8	758.0	21.83	35.727		
3,600.0	3,551.5	3,419.6	3,386.4	12.1	11.1	-160.77	233.7	-351.4	821.4	798.8	22.63	36.293		
3,700.0	3,648.5	3,509.5	3,474.3	12.5	11.5	-161.75	232.7	-370.1	863.2	839.8	23.44	36.820		
3,800.0	3,745.5	3,599.4	3,562.2	13.0	11.9	-162.63	231.7	-388.7	905.3	881.0	24.26	37.312		
3,900.0	3,842.6	3,689.3	3,650.2	13.4	12.3	-163.43	230.8	-407.4	947.5	922.4	25.08	37.772		
4,000.0	3,939.6	3,779.1	3,738.1	13.9	12.7	-164.17	229.8	-426.1	989.8	963.9	25.91	38.202		

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	2.49	234.6	10.2	234.8	227.9	6.98	33.641	
100.0	100.0	97.0	97.0	3.1	3.1	2.49	234.6	10.2	234.8	227.6	7.22	32.516	
200.0	200.0	197.0	197.0	3.2	3.2	2.49	234.6	10.2	234.8	227.3	7.47	31.434	
300.0	300.0	297.0	297.0	3.4	3.4	2.49	234.6	10.2	234.8	227.1	7.71	30.440	
400.0	400.0	397.0	397.0	3.5	3.5	2.49	234.6	10.2	234.8	226.9	7.96	29.512	
500.0	500.0	497.0	497.0	3.6	3.6	2.49	234.6	10.2	234.8	226.6	8.20	28.645	
600.0	600.0	597.0	597.0	3.7	3.7	2.49	234.6	10.2	234.8	226.4	8.44	27.831	
700.0	700.0	697.0	697.0	3.9	3.9	2.49	234.6	10.2	234.8	226.1	8.68	27.066	
800.0	800.0	797.0	797.0	4.0	4.0	2.49	234.6	10.2	234.8	225.9	8.91	26.345	
900.0	900.0	897.0	897.0	4.1	4.1	2.49	234.6	10.2	234.8	225.7	9.15	25.665	
1,000.0	1,000.0	997.0	997.0	4.2	4.2	2.49	234.6	10.2	234.8	225.4	9.38	25.020	
1,100.0	1,100.0	1,097.0	1,097.0	4.3	4.3	2.49	234.6	10.2	234.8	225.2	9.62	24.410	
1,200.0	1,200.0	1,197.0	1,197.0	4.5	4.5	2.49	234.6	10.2	234.8	225.0	9.85	23.830	
1,300.0	1,300.0	1,297.0	1,297.0	4.6	4.6	2.49	234.6	10.2	234.8	224.7	10.09	23.279	
1,400.0	1,400.0	1,397.0	1,397.0	4.7	4.7	2.49	234.6	10.2	234.8	224.5	10.32	22.754	
1,500.0	1,500.0	1,497.0	1,497.0	4.8	4.8	2.49	234.6	10.2	234.8	224.3	10.55	22.254	
1,600.0	1,600.0	1,598.3	1,598.3	4.9	4.9	-86.36	234.4	8.5	234.4	224.0	10.41	22.512	
1,700.0	1,699.8	1,699.0	1,698.8	5.1	5.1	-88.92	233.6	3.4	233.4	222.7	10.70	21.807	
1,797.1	1,796.6	1,795.4	1,794.9	5.3	5.3	-93.01	232.5	-4.9	232.8	221.8	10.98	21.210 CC	
1,800.0	1,799.5	1,798.2	1,797.7	5.3	5.3	-93.15	232.4	-5.2	232.8	221.8	10.98	21.195 ES	
1,900.0	1,898.7	1,895.3	1,894.0	5.6	5.6	-98.84	230.8	-16.8	234.1	222.9	11.26	20.786	
2,000.0	1,997.5	1,989.6	1,987.2	5.9	5.9	-105.65	228.8	-31.1	239.3	227.7	11.57	20.684 SF	
2,100.0	2,095.6	2,082.8	2,079.0	6.3	6.1	-112.99	226.5	-47.1	250.1	238.2	11.95	20.933	
2,200.0	2,193.1	2,174.8	2,169.6	6.6	6.4	-120.08	224.3	-63.0	267.0	254.6	12.42	21.495	
2,300.0	2,290.1	2,266.2	2,259.6	6.9	6.7	-126.81	222.1	-78.7	289.3	276.4	12.97	22.312	
2,400.0	2,387.1	2,357.6	2,349.6	7.3	7.0	-132.62	219.9	-94.4	315.3	301.7	13.57	23.233	
2,500.0	2,484.1	2,449.0	2,439.6	7.6	7.2	-137.59	217.7	-110.1	344.1	329.9	14.22	24.197	
2,600.0	2,581.2	2,540.3	2,529.6	8.0	7.6	-141.82	215.5	-125.8	375.1	360.2	14.90	25.167	
2,700.0	2,678.2	2,631.7	2,619.6	8.3	7.9	-145.43	213.3	-141.5	407.8	392.2	15.61	26.116	
2,800.0	2,775.2	2,723.1	2,709.6	8.7	8.2	-148.53	211.1	-157.2	441.8	425.5	16.34	27.030	
2,900.0	2,872.3	2,814.5	2,799.6	9.1	8.5	-151.20	208.8	-173.0	476.8	459.8	17.09	27.900	
3,000.0	2,969.3	2,905.9	2,889.6	9.5	8.9	-153.52	206.6	-188.7	512.7	494.9	17.85	28.723	
3,100.0	3,066.3	2,997.2	2,979.5	9.9	9.2	-155.54	204.4	-204.4	549.2	530.6	18.62	29.497	
3,200.0	3,163.4	3,088.6	3,069.5	10.4	9.6	-157.32	202.2	-220.1	586.3	566.9	19.40	30.222	
3,300.0	3,260.4	3,180.0	3,159.5	10.8	10.0	-158.89	200.0	-235.8	623.8	603.6	20.19	30.900	
3,400.0	3,357.4	3,271.4	3,249.5	11.2	10.3	-160.28	197.8	-251.5	661.7	640.7	20.98	31.535	
3,500.0	3,454.4	3,362.7	3,339.5	11.7	10.7	-161.53	195.6	-267.2	699.9	678.1	21.78	32.129	
3,600.0	3,551.5	3,454.1	3,429.5	12.1	11.1	-162.65	193.4	-282.9	738.4	715.8	22.59	32.683	
3,700.0	3,648.5	3,545.5	3,519.5	12.5	11.4	-163.66	191.2	-298.7	777.0	753.6	23.40	33.202	
3,800.0	3,745.5	3,636.9	3,609.5	13.0	11.8	-164.58	189.0	-314.4	815.9	791.7	24.22	33.688	
3,900.0	3,842.6	3,728.3	3,699.5	13.4	12.2	-165.41	186.8	-330.1	854.9	829.9	25.04	34.144	
4,000.0	3,939.6	3,819.6	3,789.5	13.9	12.6	-166.18	184.6	-345.8	894.1	868.2	25.86	34.571	
4,100.0	4,036.6	3,911.0	3,879.4	14.3	13.0	-166.87	182.3	-361.5	933.4	906.7	26.69	34.972	
4,200.0	4,133.6	4,002.4	3,969.4	14.8	13.3	-167.52	180.1	-377.2	972.8	945.2	27.52	35.350	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	9.23	217.8	35.4	220.7	213.7	6.98	31.617	
100.0	100.0	98.0	98.0	3.1	3.1	9.23	217.8	35.4	220.7	213.5	7.22	30.552	
200.0	200.0	198.0	198.0	3.2	3.2	9.23	217.8	35.4	220.7	213.2	7.47	29.541	
300.0	300.0	298.0	298.0	3.4	3.4	9.23	217.8	35.4	220.7	213.0	7.71	28.608	
400.0	400.0	398.0	398.0	3.5	3.5	9.23	217.8	35.4	220.7	212.7	7.96	27.739	
500.0	500.0	498.0	498.0	3.6	3.6	9.23	217.8	35.4	220.7	212.5	8.20	26.926	
600.0	600.0	598.0	598.0	3.7	3.7	9.23	217.8	35.4	220.7	212.3	8.44	26.163	
700.0	700.0	698.0	698.0	3.9	3.9	9.23	217.8	35.4	220.7	212.0	8.67	25.447	
800.0	800.0	798.0	798.0	4.0	4.0	9.23	217.8	35.4	220.7	211.8	8.91	24.772	
900.0	900.0	898.0	898.0	4.1	4.1	9.23	217.8	35.4	220.7	211.6	9.14	24.134	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	9.23	217.8	35.4	220.7	211.3	9.38	23.531	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	9.23	217.8	35.4	220.7	211.1	9.61	22.959	
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	9.23	217.8	35.4	220.7	210.9	9.85	22.417	
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	9.23	217.8	35.4	220.7	210.6	10.08	21.901	
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	9.23	217.8	35.4	220.7	210.4	10.31	21.409	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	9.23	217.8	35.4	220.7	210.2	10.54	20.941	
1,600.0	1,600.0	1,603.0	1,603.0	4.9	4.9	-79.64	216.9	33.8	219.2	208.8	10.45	20.987	
1,700.0	1,699.8	1,707.4	1,707.2	5.1	5.2	-82.32	214.0	29.0	215.1	204.3	10.78	19.954	
1,800.0	1,799.5	1,807.9	1,807.3	5.3	5.3	-86.65	209.6	21.7	209.4	198.4	10.99	19.052	
1,900.0	1,898.7	1,905.8	1,904.9	5.6	5.5	-92.07	205.2	14.4	204.9	193.6	11.27	18.183	
2,000.0	1,997.5	2,003.0	2,001.7	5.9	5.7	-98.51	200.9	7.2	202.7	191.2	11.53	17.577	
2,014.1	2,011.3	2,016.6	2,015.3	6.0	5.7	-99.49	200.3	6.1	202.7	191.1	11.57	17.516 CC, ES	
2,100.0	2,095.6	2,099.3	2,097.7	6.3	5.9	-105.75	196.5	0.0	204.2	192.4	11.82	17.284 SF	
2,200.0	2,193.1	2,194.7	2,192.7	6.6	6.1	-113.43	192.3	-7.2	210.6	198.4	12.15	17.324	
2,300.0	2,290.1	2,289.5	2,287.1	6.9	6.4	-121.01	188.0	-14.2	221.8	209.2	12.56	17.656	
2,400.0	2,387.1	2,384.3	2,381.6	7.3	6.7	-127.82	183.8	-21.3	236.7	223.7	13.04	18.151	
2,500.0	2,484.1	2,479.1	2,476.0	7.6	6.9	-133.80	179.5	-28.4	254.8	241.2	13.59	18.747	
2,600.0	2,581.2	2,573.9	2,570.5	8.0	7.2	-138.99	175.2	-35.5	275.3	261.1	14.19	19.397	
2,700.0	2,678.2	2,668.8	2,665.0	8.3	7.5	-143.47	171.0	-42.6	297.8	283.0	14.81	20.110	
2,800.0	2,775.2	2,766.3	2,762.2	8.7	7.8	-147.30	167.0	-49.1	321.5	306.1	15.47	20.780	
2,900.0	2,872.3	2,864.8	2,860.5	9.1	8.1	-150.39	163.9	-54.3	345.5	329.3	16.17	21.364	
3,000.0	2,969.3	2,964.2	2,959.8	9.5	8.4	-152.88	161.7	-58.1	369.3	352.5	16.87	21.888	
3,100.0	3,066.3	3,064.5	3,060.1	9.9	8.6	-154.87	160.3	-60.4	392.7	375.2	17.57	22.351	
3,200.0	3,163.4	3,165.7	3,161.3	10.4	8.8	-156.44	159.8	-61.2	415.4	397.2	18.21	22.809	
3,300.0	3,260.4	3,262.8	3,258.4	10.8	8.9	-157.71	159.8	-61.2	437.8	419.0	18.79	23.302	
3,400.0	3,357.4	3,359.9	3,355.4	11.2	8.9	-158.84	159.8	-61.2	460.4	441.0	19.39	23.745	
3,500.0	3,454.4	3,456.9	3,452.4	11.7	9.0	-159.88	159.8	-61.2	483.1	463.1	19.99	24.165	
3,600.0	3,551.5	3,553.9	3,549.5	12.1	9.1	-160.82	159.8	-61.2	506.0	485.4	20.60	24.563	
3,700.0	3,648.5	3,650.9	3,646.5	12.5	9.2	-161.67	159.8	-61.2	528.9	507.7	21.21	24.938	
3,800.0	3,745.5	3,748.0	3,743.5	13.0	9.2	-162.46	159.8	-61.2	552.0	530.2	21.82	25.293	
3,900.0	3,842.6	3,845.0	3,840.6	13.4	9.3	-163.19	159.8	-61.2	575.2	552.7	22.44	25.629	
4,000.0	3,939.6	3,942.0	3,937.6	13.9	9.4	-163.85	159.8	-61.2	598.4	575.4	23.06	25.947	
4,100.0	4,036.6	4,039.1	4,034.6	14.3	9.5	-164.47	159.8	-61.2	621.8	598.1	23.69	26.247	
4,200.0	4,133.6	4,136.1	4,131.6	14.8	9.5	-165.05	159.8	-61.2	645.2	620.8	24.32	26.531	
4,300.0	4,230.7	4,233.1	4,228.7	15.3	9.6	-165.58	159.8	-61.2	668.6	643.7	24.95	26.800	
4,400.0	4,327.7	4,330.1	4,325.7	15.7	9.7	-166.08	159.8	-61.2	692.1	666.5	25.58	27.055	
4,500.0	4,424.7	4,427.2	4,422.7	16.2	9.8	-166.54	159.8	-61.2	715.6	689.4	26.22	27.297	
4,600.0	4,521.8	4,524.2	4,519.8	16.7	9.8	-166.98	159.8	-61.2	739.2	712.4	26.86	27.527	
4,700.0	4,618.8	4,621.2	4,616.8	17.1	9.9	-167.39	159.8	-61.2	762.9	735.4	27.50	27.744	
4,800.0	4,715.8	4,718.3	4,713.8	17.6	10.0	-167.77	159.8	-61.2	786.5	758.4	28.14	27.951	
4,900.0	4,812.9	4,815.3	4,810.9	18.1	10.1	-168.13	159.8	-61.2	810.2	781.4	28.78	28.148	
5,000.0	4,909.9	4,912.3	4,907.9	18.5	10.2	-168.48	159.8	-61.2	833.9	804.5	29.43	28.335	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	5,006.9	5,009.4	5,004.9	19.0	10.2	-168.80	159.8	-61.2	857.7	827.6	30.08	28.513		
5,200.0	5,103.9	5,106.4	5,101.9	19.5	10.3	-169.10	159.8	-61.2	881.4	850.7	30.73	28.683		
5,300.0	5,201.0	5,203.4	5,199.0	19.9	10.4	-169.39	159.8	-61.2	905.2	873.8	31.38	28.845		
5,400.0	5,298.0	5,300.4	5,296.0	20.4	10.5	-169.67	159.8	-61.2	929.0	897.0	32.04	28.999		
5,500.0	5,395.0	5,397.5	5,393.0	20.9	10.5	-169.93	159.8	-61.2	952.9	920.2	32.69	29.146		
5,600.0	5,492.1	5,494.5	5,490.1	21.4	10.6	-170.18	159.8	-61.2	976.7	943.4	33.35	29.287		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	16.76	201.0	60.5	209.9	202.9	6.98	30.070	
100.0	100.0	98.0	98.0	3.1	3.1	16.76	201.0	60.5	209.9	202.7	7.22	29.058	
200.0	200.0	198.0	198.0	3.2	3.2	16.76	201.0	60.5	209.9	202.4	7.47	28.099	
300.0	300.0	298.0	298.0	3.4	3.4	16.76	201.0	60.5	209.9	202.2	7.71	27.215	
400.0	400.0	398.0	398.0	3.5	3.5	16.76	201.0	60.5	209.9	201.9	7.95	26.392	
500.0	500.0	498.0	498.0	3.6	3.6	16.76	201.0	60.5	209.9	201.7	8.19	25.624	
600.0	600.0	598.0	598.0	3.7	3.7	16.76	201.0	60.5	209.9	201.5	8.43	24.903	
700.0	700.0	698.0	698.0	3.9	3.9	16.76	201.0	60.5	209.9	201.2	8.66	24.227	
800.0	800.0	798.0	798.0	4.0	4.0	16.76	201.0	60.5	209.9	201.0	8.90	23.590	
900.0	900.0	898.0	898.0	4.1	4.1	16.76	201.0	60.5	209.9	200.8	9.13	22.989	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	16.76	201.0	60.5	209.9	200.5	9.36	22.420	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	16.76	201.0	60.5	209.9	200.3	9.59	21.881	
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	16.76	201.0	60.5	209.9	200.1	9.82	21.370	
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	16.76	201.0	60.5	209.9	199.8	10.05	20.884	
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	16.76	201.0	60.5	209.9	199.6	10.28	20.421	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	16.76	201.0	60.5	209.9	199.4	10.51	19.979	
1,600.0	1,600.0	1,595.2	1,595.2	4.9	4.9	-71.28	201.2	62.1	210.0	199.6	10.38	20.227	
1,700.0	1,699.8	1,692.3	1,692.2	5.1	5.1	-71.37	201.8	66.9	210.3	199.6	10.70	19.664	
1,800.0	1,799.5	1,789.5	1,789.0	5.3	5.3	-71.51	202.8	75.0	210.9	199.9	11.01	19.153	
1,900.0	1,898.7	1,889.1	1,888.1	5.6	5.5	-72.04	204.0	85.4	211.2	199.9	11.32	18.652	
2,000.0	1,997.5	1,989.0	1,987.4	5.9	5.7	-73.49	205.3	95.7	210.5	198.9	11.63	18.099	
2,100.0	2,095.6	2,088.6	2,086.5	6.3	6.0	-75.88	206.6	106.1	209.1	197.2	11.93	17.527	
2,200.0	2,193.1	2,187.8	2,185.2	6.6	6.2	-79.23	207.8	116.4	207.3	195.1	12.21	16.976	
2,300.0	2,290.1	2,286.9	2,283.6	6.9	6.5	-83.06	209.1	126.6	206.1	193.6	12.49	16.503	
2,383.2	2,370.9	2,369.3	2,365.6	7.2	6.7	-86.27	210.1	135.2	205.7	193.0	12.72	16.176 CC	
2,400.0	2,387.1	2,385.9	2,382.1	7.3	6.8	-86.91	210.4	136.9	205.7	193.0	12.77	16.117 ES	
2,500.0	2,484.1	2,484.9	2,480.6	7.6	7.1	-90.76	211.6	147.2	206.4	193.3	13.06	15.804	
2,600.0	2,581.2	2,583.9	2,579.1	8.0	7.4	-94.57	212.9	157.4	208.0	194.6	13.37	15.549	
2,700.0	2,678.2	2,682.9	2,677.5	8.3	7.7	-98.30	214.1	167.7	210.5	196.7	13.72	15.335	
2,800.0	2,775.2	2,781.9	2,776.0	8.7	8.0	-101.94	215.4	178.0	213.8	199.7	14.11	15.151	
2,900.0	2,872.3	2,881.0	2,874.5	9.1	8.4	-105.44	216.7	188.3	218.1	203.5	14.55	14.984	
3,000.0	2,969.3	2,980.0	2,973.0	9.5	8.7	-108.81	217.9	198.5	223.1	208.0	15.04	14.829	
3,100.0	3,066.3	3,079.0	3,071.4	9.9	9.1	-112.02	219.2	208.8	228.9	213.3	15.59	14.680	
3,200.0	3,163.4	3,178.0	3,169.9	10.4	9.4	-115.07	220.4	219.1	235.3	219.1	16.19	14.537	
3,300.0	3,260.4	3,277.0	3,268.4	10.8	9.8	-117.94	221.7	229.4	242.4	225.6	16.83	14.400	
3,400.0	3,357.4	3,376.0	3,366.9	11.2	10.1	-120.65	223.0	239.6	250.1	232.6	17.53	14.269	
3,500.0	3,454.4	3,475.1	3,465.3	11.7	10.5	-123.20	224.2	249.9	258.3	240.0	18.26	14.146	
3,600.0	3,551.5	3,574.1	3,563.8	12.1	10.8	-125.58	225.5	260.2	267.0	248.0	19.03	14.033	
3,700.0	3,648.5	3,673.1	3,662.3	12.5	11.2	-127.82	226.8	270.4	276.1	256.3	19.82	13.929	
3,800.0	3,745.5	3,772.1	3,760.8	13.0	11.6	-129.91	228.0	280.7	285.6	265.0	20.64	13.837	
3,900.0	3,842.6	3,871.1	3,859.2	13.4	11.9	-131.86	229.3	291.0	295.5	274.0	21.48	13.755	
4,000.0	3,939.6	3,970.1	3,957.7	13.9	12.3	-133.68	230.5	301.3	305.7	283.4	22.34	13.683	
4,100.0	4,036.6	4,069.2	4,056.2	14.3	12.7	-135.39	231.8	311.5	316.2	293.0	23.21	13.621	
4,200.0	4,133.6	4,166.4	4,153.0	14.8	13.0	-136.99	233.0	321.5	327.1	303.0	24.07	13.587 SF	
4,300.0	4,230.7	4,261.4	4,247.6	15.3	13.4	-138.61	234.0	329.8	339.2	314.2	24.96	13.590	
4,400.0	4,327.7	4,355.9	4,341.8	15.7	13.7	-140.30	234.9	336.5	352.7	326.8	25.86	13.637	
4,500.0	4,424.7	4,449.9	4,435.6	16.2	14.0	-142.02	235.5	341.7	367.7	341.0	26.78	13.733	
4,600.0	4,521.8	4,543.2	4,528.8	16.7	14.3	-143.76	236.0	345.4	384.3	356.6	27.69	13.880	
4,700.0	4,618.8	4,635.8	4,621.5	17.1	14.6	-145.48	236.2	347.5	402.5	373.9	28.58	14.082	
4,800.0	4,715.8	4,728.2	4,713.8	17.6	14.8	-147.18	236.3	348.1	422.3	392.8	29.42	14.353	
4,900.0	4,812.9	4,825.2	4,810.9	18.1	14.8	-148.86	236.3	348.1	443.0	412.8	30.21	14.664	
5,000.0	4,909.9	4,922.2	4,907.9	18.5	14.9	-150.40	236.3	348.1	464.0	433.0	30.98	14.979	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,006.9	5,019.3	5,004.9	19.0	14.9	-151.80	236.3	348.1	485.3	453.6	31.73	15.296	
5,200.0	5,103.9	5,116.3	5,101.9	19.5	15.0	-153.08	236.3	348.1	506.9	474.4	32.47	15.613	
5,300.0	5,201.0	5,213.3	5,199.0	19.9	15.0	-154.26	236.3	348.1	528.7	495.5	33.19	15.930	
5,400.0	5,298.0	5,310.4	5,296.0	20.4	15.1	-155.35	236.3	348.1	550.7	516.8	33.90	16.244	
5,500.0	5,395.0	5,407.4	5,393.0	20.9	15.1	-156.36	236.3	348.1	572.9	538.3	34.61	16.554	
5,600.0	5,492.1	5,504.4	5,490.1	21.4	15.2	-157.29	236.3	348.1	595.3	559.9	35.30	16.861	
5,700.0	5,589.1	5,601.5	5,587.1	21.9	15.2	-158.15	236.3	348.1	617.7	581.7	35.99	17.162	
5,800.0	5,686.1	5,698.5	5,684.1	22.3	15.3	-158.95	236.3	348.1	640.3	603.7	36.68	17.459	
5,900.0	5,783.1	5,795.5	5,781.1	22.8	15.3	-159.70	236.3	348.1	663.1	625.7	37.36	17.749	
6,000.0	5,880.2	5,892.5	5,878.2	23.3	15.4	-160.40	236.3	348.1	685.9	647.8	38.03	18.034	
6,100.0	5,977.2	5,989.6	5,975.2	23.8	15.4	-161.05	236.3	348.1	708.8	670.1	38.70	18.313	
6,148.2	6,024.0	6,036.4	6,022.0	24.0	15.4	-161.35	236.3	348.1	719.9	680.8	39.02	18.450	
6,200.0	6,074.3	6,086.7	6,072.3	24.2	15.5	-161.70	236.3	348.1	731.6	692.2	39.35	18.590	
6,300.0	6,171.7	6,184.1	6,169.7	24.7	15.5	-162.30	236.3	348.1	753.0	713.0	40.01	18.822	
6,400.0	6,269.6	6,281.9	6,267.6	25.2	15.6	-162.83	236.3	348.1	772.8	732.2	40.64	19.014	
6,500.0	6,367.7	6,380.1	6,365.7	25.6	15.6	-163.29	236.3	348.1	791.1	749.8	41.27	19.170	
6,600.0	6,466.2	6,478.6	6,464.2	26.1	15.7	-163.69	236.3	348.1	807.7	765.8	41.87	19.289	
6,700.0	6,565.0	6,577.3	6,563.0	26.5	15.7	-164.04	236.3	348.1	822.7	780.3	42.47	19.373	
6,800.0	6,664.0	6,676.4	6,662.0	26.9	15.8	-164.33	236.3	348.1	836.1	793.1	43.04	19.425	
6,900.0	6,763.3	6,775.6	6,761.3	27.4	15.9	-164.59	236.3	348.1	847.8	804.2	43.60	19.446	
7,000.0	6,862.7	6,875.1	6,860.7	27.8	15.9	-164.80	236.3	348.1	857.9	813.7	44.13	19.438	
7,100.0	6,962.3	6,974.7	6,960.3	28.1	16.0	-164.97	236.3	348.1	866.3	821.6	44.65	19.402	
7,200.0	7,062.1	7,074.5	7,060.1	28.5	16.0	-165.11	236.3	348.1	873.0	827.8	45.13	19.342	
7,300.0	7,162.0	7,174.3	7,160.0	28.9	16.1	-165.21	236.3	348.1	878.0	832.4	45.59	19.259	
7,400.0	7,261.9	7,274.3	7,259.9	29.2	16.1	-165.27	236.3	348.1	881.3	835.3	46.01	19.157	
7,500.0	7,361.9	7,374.2	7,359.9	29.4	16.2	-165.30	236.3	348.1	883.0	836.6	46.36	19.047	
7,548.2	7,410.1	7,422.5	7,408.1	29.5	16.2	-77.31	236.3	348.1	883.2	836.8	46.44	19.017	
7,600.0	7,461.9	7,474.2	7,459.9	29.5	16.3	-77.31	236.3	348.1	883.2	836.7	46.47	19.006	
7,700.0	7,561.9	7,574.2	7,559.9	29.5	16.3	-77.31	236.3	348.1	883.2	836.7	46.54	18.976	
7,800.0	7,661.9	7,674.2	7,659.9	29.5	16.4	-77.31	236.3	348.1	883.2	836.6	46.61	18.947	
7,900.0	7,761.9	7,774.2	7,759.9	29.6	16.4	-77.31	236.3	348.1	883.2	836.5	46.69	18.917	
8,000.0	7,861.9	7,874.2	7,859.9	29.6	16.5	-77.31	236.3	348.1	883.2	836.4	46.76	18.887	
8,100.0	7,961.9	7,974.2	7,959.9	29.6	16.5	-77.31	236.3	348.1	883.2	836.4	46.84	18.857	
8,200.0	8,061.9	8,074.2	8,059.9	29.6	16.6	-77.31	236.3	348.1	883.2	836.3	46.91	18.828	
8,300.0	8,161.9	8,174.2	8,159.9	29.7	16.7	-77.31	236.3	348.1	883.2	836.2	46.98	18.798	
8,400.0	8,261.9	8,274.2	8,259.9	29.7	16.7	-77.31	236.3	348.1	883.2	836.1	47.06	18.767	
8,500.0	8,361.9	8,374.2	8,359.9	29.7	16.8	-77.31	236.3	348.1	883.2	836.1	47.14	18.737	
8,600.0	8,461.9	8,474.2	8,459.9	29.8	16.8	-77.31	236.3	348.1	883.2	836.0	47.21	18.707	
8,700.0	8,561.9	8,574.2	8,559.9	29.8	16.9	-77.31	236.3	348.1	883.2	835.9	47.29	18.677	
8,800.0	8,661.9	8,674.2	8,659.9	29.8	17.0	-77.31	236.3	348.1	883.2	835.8	47.37	18.646	
8,900.0	8,761.9	8,774.2	8,759.9	29.8	17.0	-77.31	236.3	348.1	883.2	835.8	47.44	18.616	
9,000.0	8,861.9	8,874.2	8,859.9	29.9	17.1	-77.31	236.3	348.1	883.2	835.7	47.52	18.586	
9,100.0	8,961.9	8,974.2	8,959.9	29.9	17.1	-77.31	236.3	348.1	883.2	835.6	47.60	18.555	
9,200.0	9,061.9	9,074.2	9,059.9	29.9	17.2	-77.31	236.3	348.1	883.2	835.5	47.68	18.524	
9,300.0	9,161.9	9,174.2	9,159.9	30.0	17.3	-77.31	236.3	348.1	883.2	835.4	47.76	18.494	
9,400.0	9,261.9	9,274.2	9,259.9	30.0	17.3	-77.31	236.3	348.1	883.2	835.4	47.84	18.463	
9,500.0	9,361.9	9,374.2	9,359.9	30.0	17.4	-77.31	236.3	348.1	883.2	835.3	47.92	18.432	
9,600.0	9,461.9	9,474.2	9,459.9	30.0	17.4	-77.31	236.3	348.1	883.2	835.2	48.00	18.401	
9,700.0	9,561.9	9,574.2	9,559.9	30.1	17.5	-77.31	236.3	348.1	883.2	835.1	48.08	18.370	
9,800.0	9,661.9	9,674.2	9,659.9	30.1	17.6	-77.31	236.3	348.1	883.2	835.0	48.16	18.339	
9,900.0	9,761.9	9,774.2	9,759.9	30.1	17.6	-77.31	236.3	348.1	883.2	835.0	48.24	18.308	
10,000.0	9,861.9	9,874.2	9,859.9	30.2	17.7	-77.31	236.3	348.1	883.2	834.9	48.32	18.277	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	9,961.9	9,974.2	9,959.9	30.2	17.8	-77.31	236.3	348.1	883.2	834.8	48.40	18.246	
10,200.0	10,061.9	10,074.2	10,059.9	30.2	17.8	-77.31	236.3	348.1	883.2	834.7	48.49	18.215	
10,300.0	10,161.9	10,174.2	10,159.9	30.2	17.9	-77.31	236.3	348.1	883.2	834.6	48.57	18.184	
10,400.0	10,261.9	10,274.2	10,259.9	30.3	17.9	-77.31	236.3	348.1	883.2	834.5	48.65	18.153	
10,500.0	10,361.9	10,374.2	10,359.9	30.3	18.0	-77.31	236.3	348.1	883.2	834.5	48.74	18.121	
10,600.0	10,461.9	10,474.2	10,459.9	30.3	18.1	-77.31	236.3	348.1	883.2	834.4	48.82	18.090	
10,700.0	10,561.9	10,574.2	10,559.9	30.4	18.1	-77.31	236.3	348.1	883.2	834.3	48.91	18.059	
10,800.0	10,661.9	10,674.2	10,659.9	30.4	18.2	-77.31	236.3	348.1	883.2	834.2	48.99	18.027	
10,900.0	10,761.9	10,774.2	10,759.9	30.4	18.3	-77.31	236.3	348.1	883.2	834.1	49.08	17.996	
11,000.0	10,861.9	10,874.2	10,859.9	30.5	18.3	-77.31	236.3	348.1	883.2	834.0	49.16	17.964	
11,100.0	10,961.9	10,974.2	10,959.9	30.5	18.4	-77.31	236.3	348.1	883.2	833.9	49.25	17.933	
11,200.0	11,061.9	11,074.2	11,059.9	30.5	18.4	-77.31	236.3	348.1	883.2	833.9	49.34	17.901	
11,300.0	11,161.9	11,174.2	11,159.9	30.6	18.5	-77.31	236.3	348.1	883.2	833.8	49.42	17.870	
11,400.0	11,261.9	11,274.2	11,259.9	30.6	18.6	-77.31	236.3	348.1	883.2	833.7	49.51	17.838	
11,500.0	11,361.9	11,374.2	11,359.9	30.6	18.6	-77.31	236.3	348.1	883.2	833.6	49.60	17.807	
11,574.6	11,436.5	11,448.9	11,434.5	30.6	18.7	-77.31	236.3	348.1	883.2	833.5	49.64	17.790	
11,600.0	11,461.9	11,467.0	11,452.6	30.7	18.7	103.08	236.6	348.1	883.4	834.1	49.37	17.895	
11,625.0	11,486.8	11,484.3	11,469.9	30.7	18.7	103.14	237.5	348.1	884.2	834.9	49.29	17.938	
11,650.0	11,511.6	11,500.0	11,485.5	30.7	18.7	103.20	238.9	348.1	885.5	836.3	49.19	18.001	
11,675.0	11,536.1	11,517.7	11,503.1	30.7	18.7	103.32	241.1	348.1	887.3	838.3	49.09	18.077	
11,700.0	11,560.5	11,533.4	11,518.6	30.7	18.7	103.42	243.6	348.0	889.7	840.8	48.95	18.175	
11,725.0	11,584.4	11,550.0	11,534.9	30.7	18.7	103.55	246.7	348.0	892.8	844.0	48.81	18.291	
11,750.0	11,608.0	11,562.2	11,546.8	30.7	18.7	103.53	249.4	348.0	896.4	847.8	48.63	18.433	
11,775.0	11,631.1	11,575.0	11,559.2	30.7	18.7	103.50	252.6	348.0	900.8	852.3	48.44	18.594	
11,800.0	11,653.6	11,587.0	11,570.8	30.7	18.7	103.40	255.8	347.9	905.8	857.5	48.24	18.777	
11,825.0	11,675.6	11,600.0	11,583.2	30.7	18.7	103.30	259.7	347.9	911.6	863.5	48.03	18.979	
11,850.0	11,696.9	11,607.6	11,590.4	30.7	18.7	102.88	262.1	347.9	918.1	870.3	47.79	19.210	
11,875.0	11,717.5	11,616.2	11,598.5	30.7	18.7	102.43	265.0	347.8	925.3	877.8	47.55	19.461	
11,900.0	11,737.3	11,625.0	11,606.7	30.7	18.7	101.92	268.0	347.8	933.3	886.0	47.30	19.733	
11,925.0	11,756.3	11,625.0	11,606.7	30.7	18.7	100.81	268.0	347.8	942.1	895.1	47.03	20.032	
11,950.0	11,774.4	11,636.1	11,617.1	30.7	18.7	100.24	272.1	347.8	951.6	904.8	46.77	20.344	
11,975.0	11,791.6	11,640.8	11,621.4	30.7	18.7	99.20	274.0	347.8	961.8	915.3	46.51	20.680	
12,000.0	11,807.8	11,650.0	11,629.8	30.7	18.7	98.34	277.6	347.7	972.8	926.5	46.24	21.037	
12,025.0	11,823.0	11,650.0	11,629.8	30.7	18.7	96.79	277.6	347.7	984.3	938.3	45.97	21.410	
12,050.0	11,837.2	11,650.0	11,629.8	30.7	18.7	95.13	277.6	347.7	996.4	950.7	45.71	21.800	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	24.94	184.2	85.7	203.2	196.2	6.98	29.104	
100.0	100.0	99.0	99.0	3.1	3.1	24.94	184.2	85.7	203.2	195.9	7.23	28.119	
200.0	200.0	199.0	199.0	3.2	3.2	24.94	184.2	85.7	203.2	195.7	7.47	27.198	
300.0	300.0	299.0	299.0	3.4	3.4	24.94	184.2	85.7	203.2	195.5	7.71	26.349	
400.0	400.0	399.0	399.0	3.5	3.5	24.94	184.2	85.7	203.2	195.2	7.95	25.559	
500.0	500.0	499.0	499.0	3.6	3.6	24.94	184.2	85.7	203.2	195.0	8.18	24.823	
600.0	600.0	599.0	599.0	3.7	3.7	24.94	184.2	85.7	203.2	194.8	8.42	24.134	
700.0	700.0	699.0	699.0	3.9	3.9	24.94	184.2	85.7	203.2	194.5	8.65	23.487	
800.0	800.0	799.0	799.0	4.0	4.0	24.94	184.2	85.7	203.2	194.3	8.88	22.879	
900.0	900.0	899.0	899.0	4.1	4.1	24.94	184.2	85.7	203.2	194.1	9.11	22.305	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	24.94	184.2	85.7	203.2	193.8	9.34	21.763	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	24.94	184.2	85.7	203.2	193.6	9.56	21.249	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	24.94	184.2	85.7	203.2	193.4	9.79	20.762	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	24.94	184.2	85.7	203.2	193.2	10.01	20.299	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	24.94	184.2	85.7	203.2	192.9	10.23	19.859	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	24.94	184.2	85.7	203.2	192.7	10.45	19.438	
1,600.0	1,600.0	1,595.6	1,595.6	4.9	4.9	-63.10	184.4	87.2	203.2	192.9	10.34	19.645	
1,700.0	1,699.8	1,692.2	1,692.1	5.1	5.0	-63.18	184.8	92.1	203.3	192.7	10.68	19.040	
1,800.0	1,799.5	1,788.8	1,788.3	5.3	5.2	-63.31	185.5	100.1	203.6	192.6	11.02	18.474	
1,900.0	1,898.7	1,885.4	1,884.2	5.6	5.5	-63.49	186.5	111.4	203.9	192.6	11.37	17.942	
2,000.0	1,997.5	1,982.0	1,979.8	5.9	5.9	-63.72	187.8	126.0	204.4	192.6	11.72	17.437	
2,100.0	2,095.6	2,081.4	2,077.6	6.3	6.1	-64.29	189.3	143.1	204.4	192.3	12.08	16.919	
2,200.0	2,193.1	2,181.2	2,175.9	6.6	6.4	-65.77	190.8	160.4	203.0	190.5	12.43	16.324	
2,300.0	2,290.1	2,281.0	2,274.2	6.9	6.7	-67.69	192.3	177.6	201.0	188.3	12.77	15.745	
2,400.0	2,387.1	2,380.7	2,372.4	7.3	7.0	-69.64	193.8	194.9	199.3	186.2	13.10	15.215	
2,500.0	2,484.1	2,480.5	2,470.6	7.6	7.4	-71.63	195.3	212.1	197.9	184.4	13.43	14.733	
2,600.0	2,581.2	2,580.2	2,568.9	8.0	7.7	-73.64	196.8	229.4	196.6	182.9	13.75	14.297	
2,700.0	2,678.2	2,680.0	2,667.1	8.3	8.1	-75.68	198.3	246.6	195.7	181.6	14.07	13.903	
2,800.0	2,775.2	2,779.7	2,765.3	8.7	8.4	-77.74	199.8	263.9	194.9	180.6	14.39	13.548	
2,900.0	2,872.3	2,879.5	2,863.6	9.1	8.8	-79.80	201.3	281.2	194.5	179.8	14.70	13.227	
3,000.0	2,969.3	2,979.2	2,961.8	9.5	9.2	-81.88	202.8	298.4	194.3	179.2	15.02	12.937	
3,034.0	3,002.3	3,013.1	2,995.2	9.7	9.3	-82.58	203.4	304.3	194.2	179.1	15.12	12.844 CC	
3,100.0	3,066.3	3,079.0	3,060.1	9.9	9.6	-83.95	204.4	315.7	194.3	179.0	15.33	12.672	
3,200.0	3,163.4	3,178.7	3,158.3	10.4	9.9	-86.03	205.9	332.9	194.6	178.9	15.66	12.429 ES	
3,300.0	3,260.4	3,278.5	3,256.5	10.8	10.3	-88.09	207.4	350.2	195.1	179.1	15.99	12.203	
3,400.0	3,357.4	3,378.2	3,354.8	11.2	10.7	-90.14	208.9	367.4	195.9	179.6	16.34	11.991	
3,500.0	3,454.4	3,478.0	3,453.0	11.7	11.2	-92.17	210.4	384.7	197.0	180.3	16.71	11.788	
3,600.0	3,551.5	3,577.7	3,551.2	12.1	11.6	-94.18	211.9	401.9	198.3	181.2	17.10	11.593	
3,700.0	3,648.5	3,677.5	3,649.5	12.5	12.0	-96.15	213.4	419.2	199.8	182.3	17.53	11.402	
3,800.0	3,745.5	3,777.2	3,747.7	13.0	12.4	-98.10	214.9	436.5	201.6	183.6	17.98	11.215	
3,900.0	3,842.6	3,877.0	3,845.9	13.4	12.8	-100.01	216.4	453.7	203.6	185.1	18.46	11.030	
4,000.0	3,939.6	3,976.7	3,944.2	13.9	13.2	-101.88	217.9	471.0	205.8	186.9	18.98	10.846	
4,100.0	4,036.6	4,076.5	4,042.4	14.3	13.7	-103.71	219.4	488.2	208.3	188.7	19.53	10.663	
4,200.0	4,133.6	4,176.2	4,140.6	14.8	14.1	-105.49	221.0	505.5	210.9	190.8	20.12	10.482	
4,300.0	4,230.7	4,276.0	4,238.9	15.3	14.5	-107.23	222.5	522.7	213.8	193.0	20.75	10.303	
4,400.0	4,327.7	4,375.7	4,337.1	15.7	14.9	-108.93	224.0	540.0	216.8	195.4	21.41	10.127	
4,500.0	4,424.7	4,475.5	4,435.3	16.2	15.4	-110.57	225.5	557.2	220.0	197.9	22.10	9.955	
4,600.0	4,521.8	4,575.2	4,533.6	16.7	15.8	-112.17	227.0	574.5	223.4	200.6	22.83	9.787	
4,700.0	4,618.8	4,674.7	4,631.6	17.1	16.2	-113.72	228.5	591.6	227.0	203.5	23.56	9.635	
4,800.0	4,715.8	4,773.7	4,729.1	17.6	16.6	-115.39	229.9	608.0	231.1	206.7	24.37	9.482	
4,900.0	4,812.9	4,872.5	4,826.7	18.1	17.1	-117.18	231.3	623.5	235.7	210.4	25.25	9.333	
5,000.0	4,909.9	4,971.2	4,924.3	18.5	17.5	-119.08	232.6	638.1	240.8	214.6	26.19	9.194	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,006.9	5,069.7	5,021.8	19.0	17.9	-121.07	233.8	651.9	246.7	219.5	27.20	9.069	
5,200.0	5,103.9	5,168.0	5,119.3	19.5	18.3	-123.13	234.9	664.8	253.2	225.0	28.27	8.959	
5,300.0	5,201.0	5,266.1	5,216.7	19.9	18.7	-125.24	236.0	676.9	260.6	231.2	29.39	8.868	
5,400.0	5,298.0	5,364.0	5,313.9	20.4	19.1	-127.38	236.9	688.1	268.8	238.2	30.55	8.797	
5,500.0	5,395.0	5,461.7	5,411.1	20.9	19.5	-129.52	237.8	698.4	277.8	246.0	31.75	8.749	
5,600.0	5,492.1	5,559.2	5,508.0	21.4	19.9	-131.65	238.7	708.0	287.7	254.7	32.98	8.725 SF	
5,700.0	5,589.1	5,656.4	5,604.8	21.9	20.2	-133.76	239.4	716.6	298.6	264.4	34.22	8.726	
5,800.0	5,686.1	5,753.3	5,701.5	22.3	20.6	-135.82	240.1	724.4	310.4	275.0	35.46	8.753	
5,900.0	5,783.1	5,850.0	5,797.9	22.8	21.0	-137.83	240.7	731.4	323.2	286.5	36.71	8.806	
6,000.0	5,880.2	5,946.3	5,894.0	23.3	21.3	-139.78	241.3	737.6	337.0	299.1	37.94	8.884	
6,100.0	5,977.2	6,042.4	5,990.0	23.8	21.6	-141.67	241.7	743.0	351.8	312.7	39.15	8.987	
6,148.2	6,024.0	6,088.6	6,036.1	24.0	21.8	-142.55	241.9	745.2	359.3	319.6	39.72	9.048	
6,200.0	6,074.3	6,138.2	6,085.7	24.2	22.0	-143.50	242.1	747.5	367.5	327.1	40.31	9.116	
6,300.0	6,171.7	6,234.0	6,181.4	24.7	22.3	-145.18	242.5	751.2	382.8	341.4	41.41	9.244	
6,400.0	6,269.6	6,329.8	6,277.1	25.2	22.6	-146.66	242.7	754.2	397.7	355.2	42.44	9.370	
6,500.0	6,367.7	6,425.6	6,372.9	25.6	22.8	-147.97	242.9	756.3	412.0	368.6	43.40	9.493	
6,600.0	6,466.2	6,521.4	6,468.7	26.1	23.1	-149.13	243.0	757.6	425.7	381.4	44.28	9.613	
6,700.0	6,565.0	6,617.2	6,564.5	26.5	23.3	-150.17	243.1	758.2	438.7	393.6	45.08	9.732	
6,800.0	6,664.0	6,715.7	6,663.0	26.9	23.3	-151.10	243.1	758.2	450.8	405.1	45.75	9.854	
6,900.0	6,763.3	6,815.0	6,762.3	27.4	23.3	-151.88	243.1	758.2	461.5	415.1	46.39	9.950	
7,000.0	6,862.7	6,914.4	6,861.7	27.8	23.4	-152.52	243.1	758.2	470.8	423.8	46.97	10.022	
7,100.0	6,962.3	7,014.0	6,961.3	28.1	23.4	-153.03	243.1	758.2	478.5	431.0	47.51	10.071	
7,200.0	7,062.1	7,113.8	7,061.1	28.5	23.4	-153.43	243.1	758.2	484.7	436.7	48.00	10.097	
7,300.0	7,162.0	7,213.7	7,161.0	28.9	23.5	-153.72	243.1	758.2	489.3	440.9	48.45	10.101	
7,400.0	7,261.9	7,313.6	7,260.9	29.2	23.5	-153.92	243.1	758.2	492.4	443.6	48.83	10.084	
7,500.0	7,361.9	7,413.6	7,360.9	29.4	23.5	-154.01	243.1	758.2	494.0	444.8	49.15	10.051	
7,548.2	7,410.1	7,461.8	7,409.1	29.5	23.5	-66.02	243.1	758.2	494.2	444.9	49.22	10.040	
7,600.0	7,461.9	7,513.6	7,460.9	29.5	23.6	-66.02	243.1	758.2	494.2	444.9	49.25	10.035	
7,700.0	7,561.9	7,613.6	7,560.9	29.5	23.6	-66.02	243.1	758.2	494.2	444.9	49.31	10.022	
7,800.0	7,661.9	7,713.6	7,660.9	29.5	23.6	-66.02	243.1	758.2	494.2	444.8	49.37	10.009	
7,900.0	7,761.9	7,813.6	7,760.9	29.6	23.7	-66.02	243.1	758.2	494.2	444.7	49.44	9.995	
8,000.0	7,861.9	7,913.6	7,860.9	29.6	23.7	-66.02	243.1	758.2	494.2	444.7	49.50	9.982	
8,100.0	7,961.9	8,013.6	7,960.9	29.6	23.7	-66.02	243.1	758.2	494.2	444.6	49.57	9.969	
8,200.0	8,061.9	8,113.6	8,060.9	29.6	23.8	-66.02	243.1	758.2	494.2	444.5	49.64	9.956	
8,300.0	8,161.9	8,213.6	8,160.9	29.7	23.8	-66.02	243.1	758.2	494.2	444.5	49.70	9.942	
8,400.0	8,261.9	8,313.6	8,260.9	29.7	23.8	-66.02	243.1	758.2	494.2	444.4	49.77	9.929	
8,500.0	8,361.9	8,413.6	8,360.9	29.7	23.9	-66.02	243.1	758.2	494.2	444.3	49.84	9.915	
8,600.0	8,461.9	8,513.6	8,460.9	29.8	23.9	-66.02	243.1	758.2	494.2	444.3	49.91	9.902	
8,700.0	8,561.9	8,613.6	8,560.9	29.8	24.0	-66.02	243.1	758.2	494.2	444.2	49.98	9.888	
8,800.0	8,661.9	8,713.6	8,660.9	29.8	24.0	-66.02	243.1	758.2	494.2	444.1	50.04	9.875	
8,900.0	8,761.9	8,813.6	8,760.9	29.8	24.0	-66.02	243.1	758.2	494.2	444.1	50.11	9.861	
9,000.0	8,861.9	8,913.6	8,860.9	29.9	24.1	-66.02	243.1	758.2	494.2	444.0	50.18	9.847	
9,100.0	8,961.9	9,013.6	8,960.9	29.9	24.1	-66.02	243.1	758.2	494.2	443.9	50.25	9.833	
9,200.0	9,061.9	9,113.6	9,060.9	29.9	24.1	-66.02	243.1	758.2	494.2	443.8	50.32	9.820	
9,300.0	9,161.9	9,213.6	9,160.9	30.0	24.2	-66.02	243.1	758.2	494.2	443.8	50.40	9.806	
9,400.0	9,261.9	9,313.6	9,260.9	30.0	24.2	-66.02	243.1	758.2	494.2	443.7	50.47	9.792	
9,500.0	9,361.9	9,413.6	9,360.9	30.0	24.3	-66.02	243.1	758.2	494.2	443.6	50.54	9.778	
9,600.0	9,461.9	9,513.6	9,460.9	30.0	24.3	-66.02	243.1	758.2	494.2	443.6	50.61	9.764	
9,700.0	9,561.9	9,613.6	9,560.9	30.1	24.3	-66.02	243.1	758.2	494.2	443.5	50.68	9.750	
9,800.0	9,661.9	9,713.6	9,660.9	30.1	24.4	-66.02	243.1	758.2	494.2	443.4	50.76	9.736	
9,900.0	9,761.9	9,813.6	9,760.9	30.1	24.4	-66.02	243.1	758.2	494.2	443.3	50.83	9.722	
10,000.0	9,861.9	9,913.6	9,860.9	30.2	24.5	-66.02	243.1	758.2	494.2	443.3	50.91	9.708	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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
10,100.0	9,961.9	10,013.6	9,960.9	30.2	24.5	-66.02	243.1	758.2	494.2	443.2	50.98	9.693	
10,200.0	10,061.9	10,113.6	10,060.9	30.2	24.5	-66.02	243.1	758.2	494.2	443.1	51.05	9.679	
10,300.0	10,161.9	10,213.6	10,160.9	30.2	24.6	-66.02	243.1	758.2	494.2	443.0	51.13	9.665	
10,400.0	10,261.9	10,313.6	10,260.9	30.3	24.6	-66.02	243.1	758.2	494.2	443.0	51.21	9.651	
10,500.0	10,361.9	10,413.6	10,360.9	30.3	24.7	-66.02	243.1	758.2	494.2	442.9	51.28	9.636	
10,600.0	10,461.9	10,513.6	10,460.9	30.3	24.7	-66.02	243.1	758.2	494.2	442.8	51.36	9.622	
10,700.0	10,561.9	10,613.6	10,560.9	30.4	24.7	-66.02	243.1	758.2	494.2	442.7	51.43	9.608	
10,800.0	10,661.9	10,713.6	10,660.9	30.4	24.8	-66.02	243.1	758.2	494.2	442.7	51.51	9.593	
10,900.0	10,761.9	10,813.6	10,760.9	30.4	24.8	-66.02	243.1	758.2	494.2	442.6	51.59	9.579	
11,000.0	10,861.9	10,913.6	10,860.9	30.5	24.9	-66.02	243.1	758.2	494.2	442.5	51.67	9.564	
11,100.0	10,961.9	11,013.6	10,960.9	30.5	24.9	-66.02	243.1	758.2	494.2	442.4	51.75	9.550	
11,200.0	11,061.9	11,113.6	11,060.9	30.5	25.0	-66.02	243.1	758.2	494.2	442.3	51.82	9.535	
11,300.0	11,161.9	11,213.6	11,160.9	30.6	25.0	-66.02	243.1	758.2	494.2	442.3	51.90	9.521	
11,400.0	11,261.9	11,313.6	11,260.9	30.6	25.0	-66.02	243.1	758.2	494.2	442.2	51.98	9.507	
11,500.0	11,361.9	11,383.3	11,330.3	30.6	25.0	-65.50	248.0	758.1	497.2	445.8	51.40	9.674	
11,574.6	11,436.5	11,433.4	11,379.5	30.6	25.0	-64.48	257.9	758.1	503.6	452.8	50.81	9.911	
11,600.0	11,461.9	11,450.0	11,395.5	30.7	25.0	116.02	262.2	758.0	507.0	456.6	50.36	10.067	
11,625.0	11,486.8	11,465.3	11,410.1	30.7	25.0	116.13	266.8	758.0	511.3	461.3	50.04	10.217	
11,650.0	11,511.6	11,480.0	11,424.0	30.7	25.0	116.20	271.5	757.9	516.7	467.0	49.69	10.399	
11,675.0	11,536.1	11,493.8	11,436.9	30.7	25.0	116.21	276.4	757.9	523.2	473.9	49.30	10.614	
11,700.0	11,560.5	11,506.7	11,448.8	30.7	25.1	116.12	281.3	757.8	530.8	482.0	48.87	10.862	
11,725.0	11,584.4	11,518.5	11,459.6	30.7	25.1	115.90	286.1	757.8	539.6	491.2	48.43	11.142	
11,750.0	11,608.0	11,525.0	11,465.5	30.7	25.1	115.19	288.8	757.8	549.5	501.5	47.97	11.456	
11,775.0	11,631.1	11,539.1	11,478.2	30.7	25.1	114.95	295.0	757.7	560.5	513.0	47.50	11.800	
11,800.0	11,653.6	11,550.0	11,487.8	30.7	25.1	114.35	300.1	757.7	572.7	525.6	47.03	12.176	
11,825.0	11,675.6	11,555.5	11,492.7	30.7	25.1	113.14	302.7	757.6	585.9	539.3	46.59	12.576	
11,850.0	11,696.9	11,562.2	11,498.5	30.7	25.1	111.86	306.0	757.6	600.1	553.9	46.15	13.003	
11,875.0	11,717.5	11,568.0	11,503.5	30.7	25.1	110.30	308.9	757.6	615.2	569.5	45.73	13.455	
11,900.0	11,737.3	11,575.0	11,509.5	30.7	25.1	108.67	312.5	757.6	631.3	586.0	45.31	13.933	
11,925.0	11,756.3	11,575.0	11,509.5	30.7	25.1	106.05	312.5	757.6	648.2	603.2	44.96	14.417	
11,950.0	11,774.4	11,575.0	11,509.5	30.7	25.1	103.16	312.5	757.6	665.8	621.2	44.63	14.918	
11,975.0	11,791.6	11,582.4	11,515.9	30.7	25.1	100.90	316.4	757.5	684.0	639.8	44.26	15.454	
12,000.0	11,807.8	11,584.1	11,517.3	30.7	25.1	97.73	317.3	757.5	702.8	658.9	43.95	15.991	
12,025.0	11,823.0	11,585.1	11,518.1	30.7	25.1	94.23	317.9	757.5	722.1	678.5	43.66	16.538	
12,050.0	11,837.2	11,585.5	11,518.5	30.7	25.1	90.45	318.1	757.5	741.8	698.4	43.39	17.095	
12,075.0	11,850.2	11,585.3	11,518.3	30.7	25.1	86.42	318.0	757.5	761.8	718.7	43.14	17.659	
12,100.0	11,862.1	11,584.5	11,517.6	30.7	25.1	82.20	317.6	757.5	782.1	739.2	42.90	18.230	
12,125.0	11,872.9	11,583.3	11,516.6	30.8	25.1	77.87	316.9	757.5	802.5	759.8	42.67	18.805	
12,150.0	11,882.4	11,575.0	11,509.5	30.8	25.1	72.75	312.5	757.6	823.1	780.5	42.52	19.358	
12,175.0	11,890.7	11,575.0	11,509.5	30.8	25.1	68.70	312.5	757.6	843.6	801.3	42.29	19.947	
12,200.0	11,897.8	11,575.0	11,509.5	30.8	25.1	64.77	312.5	757.6	864.0	822.0	42.06	20.540	
12,225.0	11,903.6	11,575.0	11,509.5	30.8	25.1	61.01	312.5	757.6	884.4	842.6	41.84	21.137	
12,250.0	11,908.2	11,575.0	11,509.5	30.9	25.1	57.45	312.5	757.6	904.7	863.0	41.62	21.737	
12,275.0	11,911.4	11,566.8	11,502.4	30.9	25.1	53.49	308.3	757.6	924.6	883.2	41.48	22.292	
12,300.0	11,913.4	11,562.8	11,499.0	30.9	25.1	50.17	306.3	757.6	944.4	903.1	41.29	22.870	
12,324.6	11,914.0	11,558.6	11,495.4	30.9	25.1	47.16	304.2	757.6	963.5	922.4	41.11	23.436	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	33.50	167.5	110.9	200.8	193.9	6.98	28.771	
100.0	100.0	99.0	99.0	3.1	3.1	33.50	167.5	110.9	200.8	193.6	7.22	27.799	
200.0	200.0	199.0	199.0	3.2	3.2	33.50	167.5	110.9	200.8	193.4	7.47	26.894	
300.0	300.0	299.0	299.0	3.4	3.4	33.50	167.5	110.9	200.8	193.1	7.71	26.061	
400.0	400.0	399.0	399.0	3.5	3.5	33.50	167.5	110.9	200.8	192.9	7.94	25.290	
500.0	500.0	499.0	499.0	3.6	3.6	33.50	167.5	110.9	200.8	192.7	8.17	24.571	
600.0	600.0	599.0	599.0	3.7	3.7	33.50	167.5	110.9	200.8	192.4	8.40	23.901	
700.0	700.0	699.0	699.0	3.9	3.9	33.50	167.5	110.9	200.8	192.2	8.63	23.272	
800.0	800.0	799.0	799.0	4.0	4.0	33.50	167.5	110.9	200.8	192.0	8.86	22.682	
900.0	900.0	899.0	899.0	4.1	4.1	33.50	167.5	110.9	200.8	191.8	9.08	22.126	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	33.50	167.5	110.9	200.8	191.5	9.30	21.600	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	33.50	167.5	110.9	200.8	191.3	9.52	21.104	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	33.50	167.5	110.9	200.8	191.1	9.73	20.633	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	33.50	167.5	110.9	200.8	190.9	9.95	20.185	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	33.50	167.5	110.9	200.8	190.7	10.16	19.759	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	33.50	167.5	110.9	200.8	190.5	10.38	19.354	
1,600.0	1,600.0	1,595.0	1,595.0	4.9	4.9	-54.53	167.6	112.4	200.8	190.5	10.29	19.516	
1,700.0	1,699.8	1,691.0	1,690.9	5.1	5.0	-54.60	167.8	117.2	200.7	190.1	10.65	18.846	
1,800.0	1,799.5	1,787.1	1,786.6	5.3	5.2	-54.71	168.2	125.2	200.6	189.6	11.02	18.203	
1,900.0	1,898.7	1,883.1	1,881.9	5.6	5.5	-54.86	168.8	136.4	200.5	189.1	11.40	17.584	
2,000.0	1,997.5	1,979.1	1,976.9	5.9	5.8	-55.05	169.6	150.8	200.3	188.5	11.80	16.983	
2,100.0	2,095.6	2,075.2	2,071.3	6.3	6.2	-55.28	170.5	168.3	200.1	187.9	12.21	16.396	
2,200.0	2,193.1	2,171.3	2,165.2	6.6	6.5	-55.56	171.6	189.0	199.9	187.3	12.64	15.820	
2,212.0	2,204.7	2,182.9	2,176.4	6.7	6.6	-55.59	171.7	191.7	199.9	187.2	12.69	15.756	
2,300.0	2,290.1	2,270.1	2,261.1	6.9	6.8	-55.66	172.8	212.8	200.2	187.1	13.07	15.313	
2,400.0	2,387.1	2,370.1	2,358.1	7.3	7.2	-55.73	174.1	236.9	200.5	187.0	13.53	14.817	
2,500.0	2,484.1	2,470.1	2,455.2	7.6	7.5	-55.80	175.4	261.1	200.9	186.9	14.02	14.332	
2,600.0	2,581.2	2,570.1	2,552.2	8.0	7.9	-55.87	176.6	285.3	201.2	186.7	14.52	13.861	
2,700.0	2,678.2	2,670.1	2,649.2	8.3	8.2	-55.94	177.9	309.4	201.6	186.5	15.04	13.406	
2,800.0	2,775.2	2,770.1	2,746.2	8.7	8.6	-56.00	179.2	333.6	201.9	186.3	15.57	12.969	
2,900.0	2,872.3	2,870.1	2,843.3	9.1	9.0	-56.07	180.4	357.7	202.3	186.1	16.12	12.551	
3,000.0	2,969.3	2,970.1	2,940.3	9.5	9.4	-56.14	181.7	381.9	202.6	185.9	16.67	12.152	
3,100.0	3,066.3	3,070.1	3,037.3	9.9	9.8	-56.21	183.0	406.1	203.0	185.7	17.24	11.771	
3,200.0	3,163.4	3,170.1	3,134.4	10.4	10.2	-56.27	184.2	430.2	203.3	185.5	17.82	11.409	
3,300.0	3,260.4	3,270.1	3,231.4	10.8	10.7	-56.34	185.5	454.4	203.7	185.3	18.41	11.065	
3,400.0	3,357.4	3,370.1	3,328.4	11.2	11.1	-56.41	186.7	478.5	204.0	185.0	19.00	10.738	
3,500.0	3,454.4	3,470.1	3,425.4	11.7	11.5	-56.47	188.0	502.7	204.4	184.8	19.60	10.428	
3,600.0	3,551.5	3,570.1	3,522.5	12.1	12.0	-56.54	189.3	526.8	204.7	184.5	20.20	10.132	
3,700.0	3,648.5	3,670.1	3,619.5	12.5	12.4	-56.60	190.5	551.0	205.1	184.2	20.81	9.852	
3,800.0	3,745.5	3,770.1	3,716.5	13.0	12.9	-56.67	191.8	575.2	205.4	184.0	21.43	9.586	
3,900.0	3,842.6	3,870.1	3,813.6	13.4	13.3	-56.74	193.1	599.3	205.8	183.7	22.05	9.333	
4,000.0	3,939.6	3,970.1	3,910.6	13.9	13.8	-56.80	194.3	623.5	206.1	183.4	22.67	9.092	
4,100.0	4,036.6	4,070.1	4,007.6	14.3	14.2	-56.87	195.6	647.6	206.5	183.2	23.30	8.863	
4,200.0	4,133.6	4,170.1	4,104.6	14.8	14.7	-56.93	196.9	671.8	206.8	182.9	23.92	8.644	
4,300.0	4,230.7	4,270.1	4,201.7	15.3	15.1	-57.00	198.1	696.0	207.2	182.6	24.56	8.436	
4,400.0	4,327.7	4,370.1	4,298.7	15.7	15.6	-57.06	199.4	720.1	207.5	182.3	25.19	8.238	
4,500.0	4,424.7	4,470.1	4,395.7	16.2	16.1	-57.12	200.7	744.3	207.9	182.0	25.83	8.049	
4,600.0	4,521.8	4,570.1	4,492.8	16.7	16.5	-57.19	201.9	768.4	208.2	181.8	26.46	7.868	
4,700.0	4,618.8	4,670.1	4,589.8	17.1	17.0	-57.25	203.2	792.6	208.6	181.5	27.10	7.696	
4,800.0	4,715.8	4,770.1	4,686.8	17.6	17.5	-57.31	204.5	816.8	208.9	181.2	27.74	7.531	
4,900.0	4,812.9	4,870.1	4,783.8	18.1	17.9	-57.38	205.7	840.9	209.3	180.9	28.38	7.373	
5,000.0	4,909.9	4,970.1	4,880.9	18.5	18.4	-57.44	207.0	865.1	209.6	180.6	29.03	7.222	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11557-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	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	5,006.9	5,070.1	4,977.9	19.0	18.9	-57.50	208.3	889.2	210.0	180.3	29.67	7.077	
5,200.0	5,103.9	5,170.1	5,074.9	19.5	19.3	-57.57	209.5	913.4	210.3	180.0	30.32	6.939	
5,300.0	5,201.0	5,270.1	5,172.0	19.9	19.8	-57.63	210.8	937.5	210.7	179.7	30.96	6.805	
5,400.0	5,298.0	5,370.1	5,269.0	20.4	20.3	-57.69	212.1	961.7	211.1	179.4	31.61	6.678	
5,500.0	5,395.0	5,470.1	5,366.0	20.9	20.8	-57.75	213.3	985.9	211.4	179.2	32.25	6.555	
5,600.0	5,492.1	5,571.1	5,464.1	21.4	21.2	-57.86	214.6	1,010.1	211.7	178.8	32.88	6.437	
5,700.0	5,589.1	5,673.1	5,563.5	21.9	21.7	-58.33	215.8	1,033.0	211.1	177.7	33.40	6.319	
5,800.0	5,686.1	5,775.1	5,663.2	22.3	22.2	-59.23	216.9	1,054.1	209.5	175.8	33.77	6.204	
5,900.0	5,783.1	5,876.8	5,763.1	22.8	22.6	-60.56	217.9	1,073.4	207.2	173.2	33.98	6.097	
6,000.0	5,880.2	5,978.4	5,863.1	23.3	23.1	-62.36	218.8	1,090.9	204.0	170.0	34.01	6.000	
6,100.0	5,977.2	6,079.6	5,963.2	23.8	23.5	-64.67	219.7	1,106.6	200.3	166.5	33.84	5.918	
6,148.2	6,024.0	6,128.3	6,011.4	24.0	23.7	-65.98	220.0	1,113.5	198.4	164.7	33.69	5.889	
6,200.0	6,074.3	6,180.6	6,063.1	24.2	24.0	-67.45	220.4	1,120.5	196.3	162.8	33.48	5.863	
6,300.0	6,171.7	6,281.3	6,163.1	24.7	24.4	-70.37	221.0	1,132.6	192.7	159.6	33.08	5.824	
6,400.0	6,269.6	6,381.8	6,263.1	25.2	24.8	-73.39	221.6	1,142.9	189.5	156.9	32.66	5.802	
6,500.0	6,367.7	6,482.2	6,363.1	25.6	25.2	-76.51	222.0	1,151.5	186.9	154.6	32.25	5.795	
6,600.0	6,466.2	6,582.4	6,463.1	26.1	25.5	-79.70	222.4	1,158.2	184.8	152.9	31.89	5.795	
6,700.0	6,565.0	6,682.3	6,562.9	26.5	25.9	-82.96	222.6	1,163.3	183.3	151.7	31.62	5.796	
6,800.0	6,664.0	6,782.1	6,662.6	26.9	26.2	-86.25	222.8	1,166.6	182.4	150.9	31.48	5.793	
6,900.0	6,763.3	6,881.7	6,762.2	27.4	26.4	-89.57	222.9	1,168.1	182.0	150.5	31.49	5.779	
6,911.6	6,774.8	6,893.3	6,773.8	27.4	26.5	-89.95	222.9	1,168.2	182.0	150.5	31.51	5.776 CC	
7,000.0	6,862.7	6,981.2	6,861.7	27.8	26.5	-92.79	222.9	1,168.3	182.2	150.5	31.67	5.754	
7,100.0	6,962.3	7,080.8	6,961.3	28.1	26.5	-95.50	222.9	1,168.3	182.8	150.8	31.99	5.715	
7,200.0	7,062.1	7,180.6	7,061.1	28.5	26.6	-97.66	222.9	1,168.3	183.6	151.3	32.38	5.672	
7,300.0	7,162.0	7,280.5	7,161.0	28.9	26.6	-99.27	222.9	1,168.3	184.4	151.6	32.75	5.630	
7,400.0	7,261.9	7,380.4	7,260.9	29.2	26.6	-100.33	222.9	1,168.3	185.0	151.9	33.08	5.593	
7,500.0	7,361.9	7,480.4	7,360.9	29.4	26.6	-100.86	222.9	1,168.3	185.3	152.0	33.31	5.563	
7,548.2	7,410.1	7,528.6	7,409.1	29.5	26.7	-12.92	222.9	1,168.3	185.3	152.0	33.36	5.555	
7,600.0	7,461.9	7,580.4	7,460.9	29.5	26.7	-12.92	222.9	1,168.3	185.3	151.9	33.41	5.548	
7,700.0	7,561.9	7,680.4	7,560.9	29.5	26.7	-12.92	222.9	1,168.3	185.3	151.8	33.51	5.531	
7,800.0	7,661.9	7,780.4	7,660.9	29.5	26.7	-12.92	222.9	1,168.3	185.3	151.7	33.62	5.513	
7,900.0	7,761.9	7,880.4	7,760.9	29.6	26.8	-12.92	222.9	1,168.3	185.3	151.6	33.72	5.496	
8,000.0	7,861.9	7,980.4	7,860.9	29.6	26.8	-12.92	222.9	1,168.3	185.3	151.5	33.83	5.479	
8,100.0	7,961.9	8,080.4	7,960.9	29.6	26.8	-12.92	222.9	1,168.3	185.3	151.4	33.94	5.461	
8,200.0	8,061.9	8,180.4	8,060.9	29.6	26.9	-12.92	222.9	1,168.3	185.3	151.3	34.05	5.444	
8,300.0	8,161.9	8,280.4	8,160.9	29.7	26.9	-12.92	222.9	1,168.3	185.3	151.2	34.15	5.427	
8,400.0	8,261.9	8,380.4	8,260.9	29.7	26.9	-12.92	222.9	1,168.3	185.3	151.1	34.26	5.409	
8,500.0	8,361.9	8,480.4	8,360.9	29.7	27.0	-12.92	222.9	1,168.3	185.3	151.0	34.37	5.392	
8,600.0	8,461.9	8,580.4	8,460.9	29.8	27.0	-12.92	222.9	1,168.3	185.3	150.9	34.48	5.375	
8,700.0	8,561.9	8,680.4	8,560.9	29.8	27.0	-12.92	222.9	1,168.3	185.3	150.8	34.59	5.358	
8,800.0	8,661.9	8,780.4	8,660.9	29.8	27.0	-12.92	222.9	1,168.3	185.3	150.6	34.70	5.341	
8,900.0	8,761.9	8,880.4	8,760.9	29.8	27.1	-12.92	222.9	1,168.3	185.3	150.5	34.81	5.324	
9,000.0	8,861.9	8,980.4	8,860.9	29.9	27.1	-12.92	222.9	1,168.3	185.3	150.4	34.92	5.307	
9,100.0	8,961.9	9,080.4	8,960.9	29.9	27.1	-12.92	222.9	1,168.3	185.3	150.3	35.04	5.290	
9,200.0	9,061.9	9,180.4	9,060.9	29.9	27.2	-12.92	222.9	1,168.3	185.3	150.2	35.15	5.273	
9,300.0	9,161.9	9,280.4	9,160.9	30.0	27.2	-12.92	222.9	1,168.3	185.3	150.1	35.26	5.256	
9,400.0	9,261.9	9,380.4	9,260.9	30.0	27.2	-12.92	222.9	1,168.3	185.3	150.0	35.37	5.240	
9,500.0	9,361.9	9,480.4	9,360.9	30.0	27.3	-12.92	222.9	1,168.3	185.3	149.9	35.49	5.223	
9,600.0	9,461.9	9,580.4	9,460.9	30.0	27.3	-12.92	222.9	1,168.3	185.3	149.7	35.60	5.206	
9,700.0	9,561.9	9,680.4	9,560.9	30.1	27.3	-12.92	222.9	1,168.3	185.3	149.6	35.71	5.190	
9,800.0	9,661.9	9,780.4	9,660.9	30.1	27.4	-12.92	222.9	1,168.3	185.3	149.5	35.83	5.173	
9,900.0	9,761.9	9,880.4	9,760.9	30.1	27.4	-12.92	222.9	1,168.3	185.3	149.4	35.94	5.157	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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
10,000.0	9,861.9	9,980.4	9,860.9	30.2	27.5	-12.92	222.9	1,168.3	185.3	149.3	36.06	5.140	
10,100.0	9,961.9	10,080.4	9,960.9	30.2	27.5	-12.92	222.9	1,168.3	185.3	149.2	36.17	5.124	
10,200.0	10,061.9	10,180.4	10,060.9	30.2	27.5	-12.92	222.9	1,168.3	185.3	149.1	36.29	5.108	
10,300.0	10,161.9	10,280.4	10,160.9	30.2	27.6	-12.92	222.9	1,168.3	185.3	148.9	36.40	5.091	
10,400.0	10,261.9	10,380.4	10,260.9	30.3	27.6	-12.92	222.9	1,168.3	185.3	148.8	36.52	5.075	
10,500.0	10,361.9	10,480.4	10,360.9	30.3	27.6	-12.92	222.9	1,168.3	185.3	148.7	36.64	5.059	
10,600.0	10,461.9	10,580.4	10,460.9	30.3	27.7	-12.92	222.9	1,168.3	185.3	148.6	36.75	5.043	
10,700.0	10,561.9	10,680.4	10,560.9	30.4	27.7	-12.92	222.9	1,168.3	185.3	148.5	36.87	5.027	
10,800.0	10,661.9	10,780.4	10,660.9	30.4	27.7	-12.92	222.9	1,168.3	185.3	148.4	36.99	5.011	
10,900.0	10,761.9	10,880.4	10,760.9	30.4	27.8	-12.92	222.9	1,168.3	185.3	148.2	37.11	4.995	
11,000.0	10,861.9	10,980.4	10,860.9	30.5	27.8	-12.92	222.9	1,168.3	185.3	148.1	37.23	4.979	
11,100.0	10,961.9	11,080.4	10,960.9	30.5	27.8	-12.92	222.9	1,168.3	185.3	148.0	37.35	4.963	
11,200.0	11,061.9	11,180.4	11,060.9	30.5	27.9	-12.92	222.9	1,168.3	185.3	147.9	37.46	4.947	
11,300.0	11,161.9	11,280.4	11,160.9	30.6	27.9	-12.92	222.9	1,168.3	185.3	147.8	37.58	4.932	
11,400.0	11,261.9	11,380.4	11,260.9	30.6	28.0	-12.92	222.9	1,168.3	185.3	147.6	37.70	4.916	
11,500.0	11,361.9	11,480.4	11,360.9	30.6	28.0	-12.92	222.9	1,168.3	185.3	147.5	37.82	4.900	
11,574.6	11,436.5	11,555.0	11,435.5	30.6	28.0	-12.92	222.9	1,168.3	185.3	147.5	37.89	4.892 ES, SF	
11,600.0	11,461.9	11,575.0	11,455.5	30.7	28.0	167.48	223.2	1,168.3	186.4	148.8	37.63	4.954	
11,625.0	11,486.8	11,591.8	11,472.3	30.7	28.0	167.55	224.2	1,168.3	189.7	152.1	37.60	5.044	
11,650.0	11,511.6	11,609.3	11,489.7	30.7	28.0	167.66	225.8	1,168.2	195.1	157.4	37.61	5.187	
11,675.0	11,536.1	11,625.0	11,505.3	30.7	28.0	167.76	227.7	1,168.2	202.6	164.9	37.67	5.378	
11,700.0	11,560.5	11,642.4	11,522.4	30.7	28.0	167.92	230.5	1,168.2	212.1	174.3	37.73	5.620	
11,725.0	11,584.4	11,657.7	11,537.4	30.7	28.0	168.03	233.5	1,168.2	223.5	185.6	37.85	5.904	
11,750.0	11,608.0	11,675.0	11,554.3	30.7	28.0	168.21	237.4	1,168.1	236.7	198.8	37.94	6.240	
11,775.0	11,631.1	11,685.2	11,564.2	30.7	28.0	168.13	240.0	1,168.1	251.6	213.4	38.19	6.587	
11,800.0	11,653.6	11,700.0	11,578.4	30.7	28.0	168.19	244.1	1,168.1	268.0	229.7	38.32	6.994	
11,825.0	11,675.6	11,708.4	11,586.4	30.7	28.0	167.93	246.7	1,168.1	285.8	247.2	38.61	7.402	
11,850.0	11,696.9	11,718.3	11,595.7	30.7	28.0	167.66	249.9	1,168.0	304.9	266.0	38.84	7.850	
11,875.0	11,717.5	11,725.0	11,602.1	30.7	28.0	167.12	252.1	1,168.0	325.0	285.9	39.12	8.310	
11,900.0	11,737.3	11,734.8	11,611.2	30.7	28.0	166.64	255.6	1,168.0	346.2	306.9	39.27	8.815	
11,925.0	11,756.3	11,741.4	11,617.4	30.7	28.0	165.79	258.1	1,167.9	368.2	328.7	39.47	9.327	
11,950.0	11,774.4	11,750.0	11,625.3	30.7	28.0	164.86	261.4	1,167.9	390.9	351.3	39.59	9.874	
11,975.0	11,791.6	11,750.0	11,625.3	30.7	28.0	162.69	261.4	1,167.9	414.2	374.3	39.88	10.385	
12,000.0	11,807.8	11,750.0	11,625.3	30.7	28.0	159.54	261.4	1,167.9	438.1	397.9	40.13	10.916	
12,025.0	11,823.0	11,758.7	11,633.2	30.7	28.0	156.71	264.8	1,167.9	462.2	422.1	40.12	11.520	
12,050.0	11,837.2	11,760.9	11,635.3	30.7	28.0	150.58	265.8	1,167.9	486.7	446.5	40.24	12.096	
12,075.0	11,850.2	11,762.4	11,636.6	30.7	28.0	139.46	266.4	1,167.9	511.5	471.1	40.33	12.681	
12,100.0	11,862.1	11,763.2	11,637.3	30.7	28.0	117.15	266.7	1,167.9	536.3	495.9	40.41	13.272	
12,125.0	11,872.9	11,763.3	11,637.4	30.8	28.0	79.07	266.8	1,167.9	561.3	520.8	40.47	13.870	
12,150.0	11,882.4	11,762.8	11,637.0	30.8	28.0	46.60	266.6	1,167.9	586.2	545.7	40.51	14.471	
12,175.0	11,890.7	11,761.8	11,636.1	30.8	28.0	29.87	266.2	1,167.9	611.0	570.5	40.53	15.076	
12,200.0	11,897.8	11,760.3	11,634.7	30.8	28.0	21.21	265.5	1,167.9	635.7	595.2	40.53	15.684	
12,225.0	11,903.6	11,758.3	11,632.9	30.8	28.0	16.17	264.7	1,167.9	660.2	619.7	40.52	16.292	
12,250.0	11,908.2	11,750.0	11,625.3	30.9	28.0	12.54	261.4	1,167.9	684.5	643.9	40.60	16.861	
12,275.0	11,911.4	11,750.0	11,625.3	30.9	28.0	10.57	261.4	1,167.9	708.5	667.9	40.51	17.488	
12,300.0	11,913.4	11,750.0	11,625.3	30.9	28.0	9.10	261.4	1,167.9	732.1	691.7	40.41	18.117	
12,324.6	11,914.0	11,750.0	11,625.3	30.9	28.0	7.99	261.4	1,167.9	755.0	714.7	40.29	18.738	
12,400.0	11,914.0	11,735.6	11,612.0	31.0	28.0	7.64	255.9	1,168.0	824.7	784.5	40.17	20.532	
12,500.0	11,914.0	11,725.0	11,602.1	31.1	28.0	7.39	252.1	1,168.0	918.2	878.2	39.95	22.983	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	42.07	150.6	135.9	202.8	195.9	6.98	29.055	
100.0	100.0	99.0	99.0	3.1	3.1	42.07	150.6	135.9	202.8	195.6	7.22	28.076	
200.0	200.0	199.0	199.0	3.2	3.2	42.07	150.6	135.9	202.8	195.4	7.47	27.167	
300.0	300.0	299.0	299.0	3.4	3.4	42.07	150.6	135.9	202.8	195.1	7.70	26.335	
400.0	400.0	399.0	399.0	3.5	3.5	42.07	150.6	135.9	202.8	194.9	7.93	25.565	
500.0	500.0	499.0	499.0	3.6	3.6	42.07	150.6	135.9	202.8	194.7	8.16	24.851	
600.0	600.0	599.0	599.0	3.7	3.7	42.07	150.6	135.9	202.8	194.4	8.39	24.186	
700.0	700.0	699.0	699.0	3.9	3.9	42.07	150.6	135.9	202.8	194.2	8.61	23.564	
800.0	800.0	799.0	799.0	4.0	4.0	42.07	150.6	135.9	202.8	194.0	8.83	22.981	
900.0	900.0	899.0	899.0	4.1	4.1	42.07	150.6	135.9	202.8	193.8	9.04	22.432	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	42.07	150.6	135.9	202.8	193.6	9.26	21.914	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	42.07	150.6	135.9	202.8	193.4	9.47	21.425	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	42.07	150.6	135.9	202.8	193.2	9.68	20.962	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	42.07	150.6	135.9	202.8	192.9	9.88	20.523	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	42.07	150.6	135.9	202.8	192.7	10.09	20.105	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	42.07	150.6	135.9	202.8	192.5	10.29	19.706	
1,600.0	1,600.0	1,594.4	1,594.4	4.9	4.9	-45.95	150.6	137.5	202.7	192.5	10.23	19.824	
1,700.0	1,699.8	1,689.8	1,689.7	5.1	5.0	-45.99	150.7	142.2	202.5	191.9	10.62	19.069	
1,800.0	1,799.5	1,785.2	1,784.8	5.3	5.2	-46.05	150.8	150.1	202.1	191.0	11.02	18.333	
1,900.0	1,898.7	1,880.7	1,879.5	5.6	5.5	-46.14	151.0	161.2	201.5	190.1	11.44	17.613	
2,000.0	1,997.5	1,976.1	1,973.9	5.9	5.8	-46.25	151.2	175.4	200.8	188.9	11.88	16.905	
2,100.0	2,095.6	2,071.6	2,067.8	6.3	6.2	-46.38	151.6	192.7	199.9	187.6	12.34	16.205	
2,200.0	2,193.1	2,167.1	2,161.0	6.6	6.5	-46.54	151.9	213.2	198.9	186.1	12.82	15.515	
2,248.2	2,239.8	2,213.1	2,205.8	6.8	6.7	-46.53	152.1	224.2	198.7	185.6	13.05	15.224 CC, ES	
2,300.0	2,290.1	2,262.6	2,253.6	6.9	6.9	-46.35	152.3	236.8	199.0	185.7	13.30	14.955	
2,400.0	2,387.1	2,360.8	2,348.0	7.3	7.2	-45.61	152.8	263.6	200.9	187.0	13.85	14.508	
2,500.0	2,484.1	2,460.7	2,444.1	7.6	7.5	-44.81	153.3	291.2	203.0	188.6	14.43	14.067	
2,600.0	2,581.2	2,560.6	2,540.2	8.0	7.9	-44.03	153.8	318.7	205.1	190.1	15.05	13.631	
2,700.0	2,678.2	2,660.6	2,636.2	8.3	8.3	-43.26	154.2	346.2	207.3	191.6	15.70	13.204	
2,800.0	2,775.2	2,760.5	2,732.3	8.7	8.7	-42.51	154.7	373.8	209.6	193.2	16.38	12.791	
2,900.0	2,872.3	2,860.4	2,828.4	9.1	9.1	-41.78	155.2	401.3	211.8	194.7	17.09	12.394	
3,000.0	2,969.3	2,960.4	2,924.4	9.5	9.5	-41.06	155.7	428.9	214.1	196.3	17.82	12.013	
3,100.0	3,066.3	3,060.3	3,020.5	9.9	9.9	-40.36	156.2	456.4	216.4	197.9	18.58	11.649	
3,200.0	3,163.4	3,160.3	3,116.6	10.4	10.3	-39.67	156.6	484.0	218.8	199.4	19.36	11.304	
3,300.0	3,260.4	3,260.2	3,212.6	10.8	10.7	-39.00	157.1	511.5	221.2	201.0	20.15	10.976	
3,400.0	3,357.4	3,360.1	3,308.7	11.2	11.2	-38.34	157.6	539.0	223.6	202.7	20.97	10.666	
3,500.0	3,454.4	3,460.1	3,404.8	11.7	11.6	-37.70	158.1	566.6	226.1	204.3	21.80	10.372	
3,600.0	3,551.5	3,560.0	3,500.8	12.1	12.1	-37.07	158.6	594.1	228.5	205.9	22.64	10.095	
3,700.0	3,648.5	3,659.9	3,596.9	12.5	12.5	-36.45	159.0	621.7	231.1	207.6	23.50	9.833	
3,800.0	3,745.5	3,759.9	3,693.0	13.0	13.0	-35.85	159.5	649.2	233.6	209.2	24.37	9.586	
3,900.0	3,842.6	3,859.8	3,789.0	13.4	13.4	-35.26	160.0	676.7	236.1	210.9	25.25	9.352	
4,000.0	3,939.6	3,959.8	3,885.1	13.9	13.9	-34.69	160.5	704.3	238.7	212.6	26.14	9.131	
4,100.0	4,036.6	4,059.7	3,981.2	14.3	14.4	-34.12	161.0	731.8	241.3	214.3	27.05	8.923	
4,200.0	4,133.6	4,159.6	4,077.2	14.8	14.8	-33.57	161.4	759.4	244.0	216.0	27.96	8.725	
4,300.0	4,230.7	4,259.6	4,173.3	15.3	15.3	-33.03	161.9	786.9	246.6	217.7	28.88	8.539	
4,400.0	4,327.7	4,359.5	4,269.4	15.7	15.8	-32.50	162.4	814.5	249.3	219.5	29.81	8.363	
4,500.0	4,424.7	4,459.5	4,365.4	16.2	16.3	-31.98	162.9	842.0	252.0	221.2	30.74	8.196	
4,600.0	4,521.8	4,559.4	4,461.5	16.7	16.7	-31.47	163.4	869.5	254.7	223.0	31.69	8.037	
4,700.0	4,618.8	4,659.3	4,557.6	17.1	17.2	-30.98	163.8	897.1	257.4	224.8	32.64	7.887	
4,800.0	4,715.8	4,759.3	4,653.6	17.6	17.7	-30.49	164.3	924.6	260.2	226.6	33.59	7.745	
4,900.0	4,812.9	4,859.2	4,749.7	18.1	18.2	-30.01	164.8	952.2	262.9	228.4	34.55	7.610	
5,000.0	4,909.9	4,959.1	4,845.8	18.5	18.6	-29.55	165.3	979.7	265.7	230.2	35.52	7.481	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11185-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		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	5,006.9	5,059.1	4,941.8	19.0	19.1	-29.09	165.8	1,007.3	268.5	232.0	36.49	7.359	
5,200.0	5,103.9	5,159.0	5,037.9	19.5	19.6	-28.65	166.3	1,034.8	271.4	233.9	37.46	7.243	
5,300.0	5,201.0	5,259.0	5,134.0	19.9	20.1	-28.21	166.7	1,062.3	274.2	235.7	38.44	7.133	
5,400.0	5,298.0	5,358.9	5,230.0	20.4	20.6	-27.78	167.2	1,089.9	277.0	237.6	39.42	7.027	
5,500.0	5,395.0	5,458.8	5,326.1	20.9	21.1	-27.36	167.7	1,117.4	279.9	239.5	40.41	6.927	
5,600.0	5,492.1	5,558.8	5,422.2	21.4	21.6	-26.95	168.2	1,145.0	282.8	241.4	41.40	6.831	
5,700.0	5,589.1	5,658.7	5,518.2	21.9	22.1	-26.55	168.7	1,172.5	285.7	243.3	42.39	6.739	
5,800.0	5,686.1	5,758.6	5,614.3	22.3	22.5	-26.15	169.1	1,200.1	288.6	245.2	43.39	6.652	
5,900.0	5,783.1	5,858.6	5,710.4	22.8	23.0	-25.77	169.6	1,227.6	291.5	247.1	44.38	6.568	
6,000.0	5,880.2	5,958.5	5,806.4	23.3	23.5	-25.39	170.1	1,255.1	294.5	249.1	45.38	6.488	
6,100.0	5,977.2	6,058.5	5,902.5	23.8	24.0	-25.02	170.6	1,282.7	297.4	251.0	46.39	6.411	
6,148.2	6,024.0	6,106.7	5,948.8	24.0	24.3	-24.84	170.8	1,296.0	298.8	252.0	46.86	6.377	
6,200.0	6,074.3	6,158.4	5,998.6	24.2	24.5	-24.64	171.1	1,310.2	300.6	253.2	47.38	6.344	
6,300.0	6,171.7	6,258.2	6,094.6	24.7	25.0	-24.17	171.5	1,337.7	305.2	256.8	48.40	6.305	
6,400.0	6,269.6	6,358.0	6,190.4	25.2	25.5	-23.58	172.0	1,365.2	311.4	261.9	49.45	6.297 SF	
6,500.0	6,367.7	6,457.6	6,286.2	25.6	26.0	-22.91	172.5	1,392.7	319.2	268.7	50.50	6.321	
6,600.0	6,466.2	6,557.1	6,381.8	26.1	26.5	-22.16	173.0	1,420.1	328.7	277.2	51.57	6.375	
6,700.0	6,565.0	6,656.3	6,477.2	26.5	27.0	-21.35	173.5	1,447.4	339.9	287.3	52.64	6.458	
6,800.0	6,664.0	6,758.6	6,575.6	26.9	27.5	-20.47	173.9	1,475.5	352.7	299.0	53.72	6.565	
6,900.0	6,763.3	6,870.9	6,684.4	27.4	28.0	-19.65	174.4	1,503.3	364.5	309.7	54.81	6.650	
7,000.0	6,862.7	6,984.1	6,795.1	27.8	28.6	-19.01	174.8	1,526.9	374.4	318.6	55.78	6.711	
7,100.0	6,962.3	7,097.9	6,907.2	28.1	29.1	-18.52	175.2	1,546.2	382.2	325.6	56.61	6.751	
7,200.0	7,062.1	7,212.2	7,020.5	28.5	29.6	-18.17	175.4	1,561.1	387.9	330.7	57.29	6.771	
7,300.0	7,162.0	7,326.9	7,134.7	28.9	30.1	-17.95	175.6	1,571.5	391.6	333.8	57.82	6.773	
7,400.0	7,261.9	7,441.8	7,249.5	29.2	30.5	-17.86	175.7	1,577.4	393.1	335.0	58.15	6.760	
7,500.0	7,361.9	7,553.2	7,360.9	29.4	30.7	-17.88	175.7	1,578.7	392.6	334.3	58.27	6.737	
7,548.2	7,410.1	7,601.4	7,409.1	29.5	30.7	70.11	175.7	1,578.7	392.4	334.1	58.33	6.727	
7,600.0	7,461.9	7,653.2	7,460.9	29.5	30.7	70.11	175.7	1,578.7	392.4	334.1	58.35	6.725	
7,700.0	7,561.9	7,753.2	7,560.9	29.5	30.7	70.11	175.7	1,578.7	392.4	334.0	58.40	6.719	
7,800.0	7,661.9	7,853.2	7,660.9	29.5	30.7	70.11	175.7	1,578.7	392.4	333.9	58.45	6.713	
7,900.0	7,761.9	7,953.2	7,760.9	29.6	30.8	70.11	175.7	1,578.7	392.4	333.9	58.51	6.707	
8,000.0	7,861.9	8,053.2	7,860.9	29.6	30.8	70.11	175.7	1,578.7	392.4	333.8	58.56	6.701	
8,100.0	7,961.9	8,153.2	7,960.9	29.6	30.8	70.11	175.7	1,578.7	392.4	333.8	58.61	6.695	
8,200.0	8,061.9	8,253.2	8,060.9	29.6	30.8	70.11	175.7	1,578.7	392.4	333.7	58.67	6.689	
8,300.0	8,161.9	8,353.2	8,160.9	29.7	30.9	70.11	175.7	1,578.7	392.4	333.7	58.72	6.683	
8,400.0	8,261.9	8,453.2	8,260.9	29.7	30.9	70.11	175.7	1,578.7	392.4	333.6	58.77	6.676	
8,500.0	8,361.9	8,553.2	8,360.9	29.7	30.9	70.11	175.7	1,578.7	392.4	333.6	58.83	6.670	
8,600.0	8,461.9	8,653.2	8,460.9	29.8	30.9	70.11	175.7	1,578.7	392.4	333.5	58.88	6.664	
8,700.0	8,561.9	8,753.2	8,560.9	29.8	31.0	70.11	175.7	1,578.7	392.4	333.5	58.94	6.658	
8,800.0	8,661.9	8,853.2	8,660.9	29.8	31.0	70.11	175.7	1,578.7	392.4	333.4	59.00	6.651	
8,900.0	8,761.9	8,953.2	8,760.9	29.8	31.0	70.11	175.7	1,578.7	392.4	333.3	59.05	6.645	
9,000.0	8,861.9	9,053.2	8,860.9	29.9	31.1	70.11	175.7	1,578.7	392.4	333.3	59.11	6.639	
9,100.0	8,961.9	9,153.2	8,960.9	29.9	31.1	70.11	175.7	1,578.7	392.4	333.2	59.17	6.632	
9,200.0	9,061.9	9,253.2	9,060.9	29.9	31.1	70.11	175.7	1,578.7	392.4	333.2	59.23	6.626	
9,300.0	9,161.9	9,353.2	9,160.9	30.0	31.1	70.11	175.7	1,578.7	392.4	333.1	59.28	6.619	
9,400.0	9,261.9	9,453.2	9,260.9	30.0	31.2	70.11	175.7	1,578.7	392.4	333.1	59.34	6.613	
9,500.0	9,361.9	9,553.2	9,360.9	30.0	31.2	70.11	175.7	1,578.7	392.4	333.0	59.40	6.606	
9,600.0	9,461.9	9,653.2	9,460.9	30.0	31.2	70.11	175.7	1,578.7	392.4	332.9	59.46	6.599	
9,700.0	9,561.9	9,753.2	9,560.9	30.1	31.2	70.11	175.7	1,578.7	392.4	332.9	59.52	6.593	
9,800.0	9,661.9	9,853.2	9,660.9	30.1	31.3	70.11	175.7	1,578.7	392.4	332.8	59.58	6.586	
9,900.0	9,761.9	9,953.2	9,760.9	30.1	31.3	70.11	175.7	1,578.7	392.4	332.8	59.64	6.580	
10,000.0	9,861.9	10,053.2	9,860.9	30.2	31.3	70.11	175.7	1,578.7	392.4	332.7	59.70	6.573	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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
10,100.0	9,961.9	10,153.2	9,960.9	30.2	31.4	70.11	175.7	1,578.7	392.4	332.6	59.76	6.566	
10,200.0	10,061.9	10,253.2	10,060.9	30.2	31.4	70.11	175.7	1,578.7	392.4	332.6	59.82	6.559	
10,300.0	10,161.9	10,353.2	10,160.9	30.2	31.4	70.11	175.7	1,578.7	392.4	332.5	59.89	6.553	
10,400.0	10,261.9	10,453.2	10,260.9	30.3	31.4	70.11	175.7	1,578.7	392.4	332.5	59.95	6.546	
10,500.0	10,361.9	10,553.2	10,360.9	30.3	31.5	70.11	175.7	1,578.7	392.4	332.4	60.01	6.539	
10,600.0	10,461.9	10,653.2	10,460.9	30.3	31.5	70.11	175.7	1,578.7	392.4	332.3	60.07	6.532	
10,700.0	10,561.9	10,753.2	10,560.9	30.4	31.5	70.11	175.7	1,578.7	392.4	332.3	60.14	6.525	
10,800.0	10,661.9	10,853.2	10,660.9	30.4	31.6	70.11	175.7	1,578.7	392.4	332.2	60.20	6.518	
10,900.0	10,761.9	10,953.2	10,760.9	30.4	31.6	70.11	175.7	1,578.7	392.4	332.1	60.26	6.511	
11,000.0	10,861.9	11,053.2	10,860.9	30.5	31.6	70.11	175.7	1,578.7	392.4	332.1	60.33	6.504	
11,100.0	10,961.9	11,153.2	10,960.9	30.5	31.7	70.11	175.7	1,578.7	392.4	332.0	60.39	6.498	
11,200.0	11,061.9	11,253.2	11,060.9	30.5	31.7	70.11	175.7	1,578.7	392.4	332.0	60.45	6.491	
11,300.0	11,161.9	11,353.2	11,160.9	30.6	31.7	70.11	175.7	1,578.7	392.4	331.9	60.51	6.485	
11,400.0	11,261.9	11,453.2	11,260.9	30.6	31.7	70.11	175.7	1,578.7	392.4	331.8	60.56	6.480	
11,500.0	11,361.9	11,553.2	11,360.9	30.6	31.7	69.27	181.9	1,578.7	395.1	334.2	60.88	6.490	
11,574.6	11,436.5	11,587.3	11,393.3	30.6	31.7	67.64	194.0	1,578.5	401.1	340.1	60.98	6.577	
11,600.0	11,461.9	11,605.4	11,410.6	30.7	31.7	-112.40	199.3	1,578.5	404.2	343.3	60.91	6.636	
11,625.0	11,486.8	11,625.0	11,429.1	30.7	31.7	-112.99	205.7	1,578.4	408.4	347.6	60.78	6.719	
11,650.0	11,511.6	11,638.3	11,441.5	30.7	31.7	-113.25	210.6	1,578.4	413.6	352.8	60.75	6.807	
11,675.0	11,536.1	11,650.0	11,452.3	30.7	31.7	-113.35	215.1	1,578.3	419.9	359.2	60.69	6.919	
11,700.0	11,560.5	11,666.9	11,467.7	30.7	31.7	-113.83	222.1	1,578.3	427.4	367.0	60.40	7.076	
11,725.0	11,584.4	11,679.5	11,478.9	30.7	31.7	-113.91	227.6	1,578.2	436.1	376.0	60.16	7.249	
11,750.0	11,608.0	11,690.8	11,489.0	30.7	31.7	-113.79	232.8	1,578.2	446.1	386.2	59.88	7.450	
11,775.0	11,631.1	11,700.0	11,497.0	30.7	31.7	-113.35	237.3	1,578.1	457.3	397.8	59.58	7.676	
11,800.0	11,653.6	11,709.8	11,505.5	30.7	31.7	-112.82	242.2	1,578.1	469.8	410.5	59.21	7.934	
11,825.0	11,675.6	11,717.6	11,512.2	30.7	31.7	-111.91	246.2	1,578.1	483.3	424.5	58.84	8.215	
11,850.0	11,696.9	11,725.0	11,518.5	30.7	31.7	-110.78	250.1	1,578.0	498.0	439.6	58.42	8.524	
11,875.0	11,717.5	11,725.0	11,518.5	30.7	31.7	-108.49	250.1	1,578.0	513.8	455.6	58.15	8.836	
11,900.0	11,737.3	11,734.5	11,526.5	30.7	31.7	-107.18	255.3	1,578.0	530.4	472.8	57.62	9.205	
11,925.0	11,756.3	11,738.2	11,529.5	30.7	31.7	-104.86	257.4	1,578.0	547.9	490.7	57.21	9.578	
11,950.0	11,774.4	11,741.1	11,531.9	30.7	31.7	-102.14	259.0	1,577.9	566.2	509.4	56.79	9.970	
11,975.0	11,791.6	11,743.1	11,533.6	30.7	31.7	-99.03	260.1	1,577.9	585.1	528.7	56.38	10.378	
12,000.0	11,807.8	11,750.0	11,539.2	30.7	31.7	-96.38	264.1	1,577.9	604.6	548.8	55.86	10.824	
12,025.0	11,823.0	11,750.0	11,539.2	30.7	31.7	-92.43	264.1	1,577.9	624.6	569.1	55.48	11.258	
12,050.0	11,837.2	11,750.0	11,539.2	30.7	31.7	-88.25	264.1	1,577.9	644.9	589.8	55.09	11.706	
12,075.0	11,850.2	11,750.0	11,539.2	30.7	31.7	-83.88	264.1	1,577.9	665.5	610.8	54.71	12.165	
12,100.0	11,862.1	11,743.0	11,533.5	30.7	31.7	-78.37	260.1	1,577.9	686.3	631.8	54.45	12.604	
12,125.0	11,872.9	11,741.2	11,532.0	30.8	31.7	-73.66	259.1	1,577.9	707.2	653.1	54.09	13.074	
12,150.0	11,882.4	11,739.0	11,530.2	30.8	31.7	-68.98	257.8	1,578.0	728.2	674.4	53.74	13.549	
12,175.0	11,890.7	11,736.3	11,528.0	30.8	31.7	-64.40	256.3	1,578.0	749.1	695.7	53.40	14.028	
12,200.0	11,897.8	11,733.2	11,525.4	30.8	31.7	-60.02	254.6	1,578.0	770.0	716.9	53.07	14.509	
12,225.0	11,903.6	11,725.0	11,518.5	30.8	31.7	-55.42	250.1	1,578.0	790.8	737.9	52.83	14.969	
12,250.0	11,908.2	11,725.0	11,518.5	30.9	31.7	-51.96	250.1	1,578.0	811.3	758.8	52.45	15.468	
12,275.0	11,911.4	11,725.0	11,518.5	30.9	31.7	-48.76	250.1	1,578.0	831.5	779.5	52.08	15.968	
12,300.0	11,913.4	11,725.0	11,518.5	30.9	31.7	-45.81	250.1	1,578.0	851.6	799.9	51.71	16.470	
12,324.6	11,914.0	11,712.7	11,508.0	30.9	31.7	-42.39	243.7	1,578.1	870.8	819.3	51.53	16.899	
12,400.0	11,914.0	11,700.0	11,497.0	31.0	31.7	-41.63	237.3	1,578.1	930.3	879.6	50.69	18.354	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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		
0.0	0.0	0.0	0.0	3.0	3.0	-56.21	83.9	-125.4	150.9	143.9	6.98	21.617		
100.0	100.0	97.0	97.0	3.1	3.1	-56.21	83.9	-125.4	150.9	143.6	7.22	20.897		
200.0	200.0	197.0	197.0	3.2	3.2	-56.21	83.9	-125.4	150.9	143.4	7.46	20.223		
300.0	300.0	297.0	297.0	3.4	3.4	-56.21	83.9	-125.4	150.9	143.2	7.69	19.613		
400.0	400.0	397.0	397.0	3.5	3.5	-56.21	83.9	-125.4	150.9	142.9	7.92	19.053		
500.0	500.0	497.0	497.0	3.6	3.6	-56.21	83.9	-125.4	150.9	142.7	8.14	18.535		
600.0	600.0	597.0	597.0	3.7	3.7	-56.21	83.9	-125.4	150.9	142.5	8.36	18.055		
700.0	700.0	697.0	697.0	3.9	3.9	-56.21	83.9	-125.4	150.9	142.3	8.57	17.608		
800.0	800.0	797.0	797.0	4.0	4.0	-56.21	83.9	-125.4	150.9	142.1	8.78	17.190		
900.0	900.0	897.0	897.0	4.1	4.1	-56.21	83.9	-125.4	150.9	141.9	8.98	16.799		
1,000.0	1,000.0	997.0	997.0	4.2	4.2	-56.21	83.9	-125.4	150.9	141.7	9.18	16.430		
1,100.0	1,100.0	1,097.0	1,097.0	4.3	4.3	-56.21	83.9	-125.4	150.9	141.5	9.38	16.083		
1,200.0	1,200.0	1,197.0	1,197.0	4.5	4.5	-56.21	83.9	-125.4	150.9	141.3	9.58	15.755		
1,300.0	1,300.0	1,297.0	1,297.0	4.6	4.6	-56.21	83.9	-125.4	150.9	141.1	9.77	15.444		
1,400.0	1,400.0	1,397.0	1,397.0	4.7	4.7	-56.21	83.9	-125.4	150.9	140.9	9.96	15.149		
1,500.0	1,500.0	1,497.0	1,497.0	4.8	4.8	-56.21	83.9	-125.4	150.9	140.7	10.15	14.868	CC, ES, SF	
1,600.0	1,600.0	1,595.7	1,595.7	4.9	5.0	-145.15	82.8	-126.5	152.7	142.6	10.05	15.188		
1,700.0	1,699.8	1,693.8	1,693.7	5.1	5.2	-147.89	79.4	-130.2	158.4	148.0	10.42	15.194		
1,800.0	1,799.5	1,790.7	1,790.2	5.3	5.4	-152.00	73.8	-136.2	168.7	157.9	10.83	15.577		
1,900.0	1,898.7	1,885.8	1,884.7	5.6	5.7	-156.86	66.2	-144.3	184.5	173.2	11.29	16.339		
2,000.0	1,997.5	1,978.6	1,976.4	5.9	6.0	-161.90	56.7	-154.5	206.4	194.6	11.81	17.476		
2,100.0	2,095.6	2,068.6	2,064.9	6.3	6.3	-166.67	45.5	-166.5	234.8	222.4	12.38	18.969		
2,200.0	2,193.1	2,155.4	2,149.7	6.6	6.6	-170.94	33.0	-180.0	269.7	256.8	12.98	20.788		
2,300.0	2,290.1	2,242.4	2,234.2	6.9	6.9	-174.79	18.9	-195.1	309.3	295.7	13.53	22.851		
2,400.0	2,387.1	2,332.1	2,321.2	7.3	7.1	-177.95	4.1	-211.0	350.1	336.0	14.12	24.791		
2,500.0	2,484.1	2,421.8	2,408.3	7.6	7.4	179.55	-10.7	-226.9	391.6	376.9	14.73	26.581		
2,600.0	2,581.2	2,511.5	2,495.3	8.0	7.7	177.51	-25.5	-242.7	433.7	418.3	15.37	28.220		
2,700.0	2,678.2	2,601.3	2,582.4	8.3	8.1	175.83	-40.3	-258.6	476.1	460.1	16.02	29.717		
2,800.0	2,775.2	2,691.0	2,669.5	8.7	8.4	174.43	-55.1	-274.5	518.8	502.1	16.69	31.078		
2,900.0	2,872.3	2,780.7	2,756.5	9.1	8.7	173.23	-70.0	-290.4	561.7	544.4	17.38	32.317		
3,000.0	2,969.3	2,870.5	2,843.6	9.5	9.1	172.20	-84.8	-306.2	604.9	586.8	18.09	33.445		
3,100.0	3,066.3	2,960.2	2,930.7	9.9	9.4	171.31	-99.6	-322.1	648.1	629.3	18.80	34.472		
3,200.0	3,163.4	3,049.9	3,017.7	10.4	9.8	170.53	-114.4	-338.0	691.5	671.9	19.53	35.409		
3,300.0	3,260.4	3,139.7	3,104.8	10.8	10.2	169.84	-129.2	-353.9	734.9	714.7	20.27	36.265		
3,400.0	3,357.4	3,229.4	3,191.9	11.2	10.6	169.23	-144.0	-369.7	778.4	757.4	21.01	37.048		
3,500.0	3,454.4	3,319.1	3,278.9	11.7	10.9	168.68	-158.8	-385.6	822.0	800.3	21.77	37.766		
3,600.0	3,551.5	3,408.9	3,366.0	12.1	11.3	168.18	-173.6	-401.5	865.7	843.2	22.53	38.425		
3,700.0	3,648.5	3,498.6	3,453.1	12.5	11.7	167.74	-188.4	-417.4	909.4	886.1	23.30	39.032		
3,800.0	3,745.5	3,588.3	3,540.1	13.0	12.1	167.33	-203.2	-433.2	953.1	929.1	24.07	39.591		
3,900.0	3,842.6	3,678.0	3,627.2	13.4	12.5	166.96	-218.0	-449.1	996.9	972.1	24.86	40.108		

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	-56.22	67.1	-100.4	120.8	113.8	6.98	17.307		
100.0	100.0	98.0	98.0	3.1	3.1	-56.22	67.1	-100.4	120.8	113.6	7.22	16.727		
200.0	200.0	198.0	198.0	3.2	3.2	-56.22	67.1	-100.4	120.8	113.3	7.46	16.189		
300.0	300.0	298.0	298.0	3.4	3.4	-56.22	67.1	-100.4	120.8	113.1	7.69	15.701		
400.0	400.0	398.0	398.0	3.5	3.5	-56.22	67.1	-100.4	120.8	112.9	7.92	15.253		
500.0	500.0	498.0	498.0	3.6	3.6	-56.22	67.1	-100.4	120.8	112.6	8.14	14.839		
600.0	600.0	598.0	598.0	3.7	3.7	-56.22	67.1	-100.4	120.8	112.4	8.36	14.455		
700.0	700.0	698.0	698.0	3.9	3.9	-56.22	67.1	-100.4	120.8	112.2	8.57	14.097		
800.0	800.0	798.0	798.0	4.0	4.0	-56.22	67.1	-100.4	120.8	112.0	8.78	13.763		
900.0	900.0	898.0	898.0	4.1	4.1	-56.22	67.1	-100.4	120.8	111.8	8.98	13.449		
1,000.0	1,000.0	998.0	998.0	4.2	4.2	-56.22	67.1	-100.4	120.8	111.6	9.18	13.154		
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	-56.22	67.1	-100.4	120.8	111.4	9.38	12.876		
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	-56.22	67.1	-100.4	120.8	111.2	9.58	12.613		
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	-56.22	67.1	-100.4	120.8	111.0	9.77	12.364		
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	-56.22	67.1	-100.4	120.8	110.8	9.96	12.128		
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	-56.22	67.1	-100.4	120.8	110.6	10.15	11.904 CC, ES, SF		
1,600.0	1,600.0	1,597.3	1,597.3	4.9	5.0	-145.44	65.9	-101.5	122.5	112.4	10.05	12.190		
1,700.0	1,699.8	1,696.0	1,695.9	5.1	5.2	-148.94	62.2	-104.9	127.9	117.5	10.41	12.278		
1,800.0	1,799.5	1,793.5	1,793.0	5.3	5.5	-154.07	56.0	-110.5	137.9	127.0	10.82	12.741		
1,900.0	1,898.7	1,889.3	1,888.1	5.6	5.7	-159.97	47.5	-118.1	153.4	142.1	11.29	13.595		
2,000.0	1,997.5	1,982.8	1,980.5	5.9	6.0	-165.87	37.0	-127.6	175.3	163.5	11.81	14.840		
2,100.0	2,095.6	2,076.6	2,072.9	6.3	6.3	-171.17	24.9	-138.4	203.3	190.9	12.39	16.412		
2,200.0	2,193.1	2,169.8	2,164.7	6.6	6.5	-175.31	12.9	-149.3	236.0	223.0	12.99	18.164		
2,300.0	2,290.1	2,262.5	2,255.9	6.9	6.8	-178.53	0.9	-160.0	271.2	257.6	13.55	20.018		
2,400.0	2,387.1	2,355.1	2,347.2	7.3	7.1	178.99	-11.0	-170.8	306.9	292.8	14.12	21.735		
2,500.0	2,484.1	2,447.7	2,438.4	7.6	7.4	177.02	-23.0	-181.5	343.1	328.4	14.72	23.307		
2,600.0	2,581.2	2,540.4	2,529.6	8.0	7.7	175.42	-34.9	-192.3	379.6	364.2	15.34	24.741		
2,700.0	2,678.2	2,633.0	2,620.9	8.3	8.0	174.10	-46.9	-203.1	416.3	400.3	15.98	26.045		
2,800.0	2,775.2	2,725.6	2,712.1	8.7	8.3	173.00	-58.8	-213.8	453.1	436.5	16.64	27.230		
2,900.0	2,872.3	2,818.3	2,803.3	9.1	8.7	172.06	-70.8	-224.6	490.1	472.8	17.31	28.308		
3,000.0	2,969.3	2,910.9	2,894.6	9.5	9.0	171.25	-82.7	-235.4	527.1	509.1	18.00	29.288		
3,100.0	3,066.3	3,003.6	2,985.8	9.9	9.3	170.54	-94.7	-246.1	564.3	545.6	18.70	30.180		
3,200.0	3,163.4	3,096.2	3,077.0	10.4	9.7	169.93	-106.7	-256.9	601.5	582.1	19.41	30.994		
3,300.0	3,260.4	3,188.8	3,168.2	10.8	10.1	169.38	-118.6	-267.7	638.7	618.6	20.13	31.738		
3,400.0	3,357.4	3,281.5	3,259.5	11.2	10.4	168.90	-130.6	-278.4	676.0	655.2	20.85	32.419		
3,500.0	3,454.4	3,374.1	3,350.7	11.7	10.8	168.46	-142.5	-289.2	713.4	691.8	21.59	33.044		
3,600.0	3,551.5	3,466.7	3,441.9	12.1	11.2	168.07	-154.5	-299.9	750.8	728.4	22.33	33.618		
3,700.0	3,648.5	3,559.4	3,533.2	12.5	11.6	167.72	-166.4	-310.7	788.2	765.1	23.08	34.147		
3,800.0	3,745.5	3,652.0	3,624.4	13.0	11.9	167.40	-178.4	-321.5	825.6	801.7	23.84	34.636		
3,900.0	3,842.6	3,744.7	3,715.6	13.4	12.3	167.10	-190.3	-332.2	863.0	838.4	24.60	35.087		
4,000.0	3,939.6	3,837.3	3,806.8	13.9	12.7	166.83	-202.3	-343.0	900.5	875.1	25.36	35.506		
4,100.0	4,036.6	3,929.9	3,898.1	14.3	13.1	166.58	-214.2	-353.8	938.0	911.8	26.13	35.894		
4,200.0	4,133.6	4,022.6	3,989.3	14.8	13.5	166.35	-226.2	-364.5	975.5	948.6	26.90	36.256		

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (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	-56.28	50.3	-75.4	90.6	83.6	6.98	12.981	
100.0	100.0	99.0	99.0	3.1	3.1	-56.28	50.3	-75.4	90.6	83.4	7.22	12.544	
200.0	200.0	199.0	199.0	3.2	3.2	-56.28	50.3	-75.4	90.6	83.2	7.46	12.143	
300.0	300.0	299.0	299.0	3.4	3.4	-56.28	50.3	-75.4	90.6	82.9	7.69	11.777	
400.0	400.0	399.0	399.0	3.5	3.5	-56.28	50.3	-75.4	90.6	82.7	7.92	11.441	
500.0	500.0	499.0	499.0	3.6	3.6	-56.28	50.3	-75.4	90.6	82.5	8.14	11.131	
600.0	600.0	599.0	599.0	3.7	3.7	-56.28	50.3	-75.4	90.6	82.3	8.36	10.843	
700.0	700.0	699.0	699.0	3.9	3.9	-56.28	50.3	-75.4	90.6	82.0	8.57	10.574	
800.0	800.0	799.0	799.0	4.0	4.0	-56.28	50.3	-75.4	90.6	81.8	8.78	10.324	
900.0	900.0	899.0	899.0	4.1	4.1	-56.28	50.3	-75.4	90.6	81.6	8.98	10.088	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.28	50.3	-75.4	90.6	81.4	9.18	9.867	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.28	50.3	-75.4	90.6	81.2	9.38	9.659	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.28	50.3	-75.4	90.6	81.0	9.58	9.462	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.28	50.3	-75.4	90.6	80.8	9.77	9.275	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.28	50.3	-75.4	90.6	80.7	9.96	9.098	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.28	50.3	-75.4	90.6	80.5	10.15	8.930 CC, ES, SF	
1,600.0	1,600.0	1,599.0	1,599.0	4.9	5.0	-144.90	50.3	-75.4	92.0	81.9	10.13	9.083	
1,700.0	1,699.8	1,698.8	1,698.8	5.1	5.1	-146.64	50.3	-75.4	96.4	85.9	10.50	9.174	
1,800.0	1,799.5	1,798.5	1,798.5	5.3	5.3	-149.21	50.3	-75.4	103.8	92.9	10.89	9.529	
1,900.0	1,898.7	1,897.7	1,897.7	5.6	5.4	-152.23	50.3	-75.4	114.4	103.1	11.30	10.127	
2,000.0	1,997.5	1,996.5	1,996.5	5.9	5.6	-155.36	50.3	-75.4	128.5	116.7	11.74	10.946	
2,100.0	2,095.6	2,094.6	2,094.6	6.3	5.7	-158.34	50.3	-75.4	146.1	133.9	12.21	11.963	
2,200.0	2,193.1	2,192.1	2,192.1	6.6	5.8	-161.04	50.3	-75.4	167.3	154.5	12.71	13.155	
2,300.0	2,290.1	2,289.1	2,289.1	6.9	5.9	-163.40	50.3	-75.4	190.4	177.2	13.17	14.453	
2,400.0	2,387.1	2,386.1	2,386.1	7.3	6.1	-165.25	50.3	-75.4	213.7	200.1	13.65	15.661	
2,500.0	2,484.1	2,483.1	2,483.1	7.6	6.2	-166.73	50.3	-75.4	237.2	223.1	14.14	16.778	
2,600.0	2,581.2	2,580.2	2,580.2	8.0	6.3	-167.95	50.3	-75.4	260.9	246.2	14.65	17.807	
2,700.0	2,678.2	2,677.2	2,677.2	8.3	6.4	-168.97	50.3	-75.4	284.6	269.4	15.17	18.754	
2,800.0	2,775.2	2,774.2	2,774.2	8.7	6.6	-169.83	50.3	-75.4	308.4	292.7	15.71	19.626	
2,900.0	2,872.3	2,871.3	2,871.3	9.1	6.7	-170.56	50.3	-75.4	332.2	316.0	16.27	20.427	
3,000.0	2,969.3	2,968.3	2,968.3	9.5	6.8	-171.20	50.3	-75.4	356.2	339.3	16.83	21.165	
3,100.0	3,066.3	3,065.3	3,065.3	9.9	6.9	-171.76	50.3	-75.4	380.1	362.7	17.40	21.845	
3,200.0	3,163.4	3,162.4	3,162.4	10.4	7.0	-172.25	50.3	-75.4	404.1	386.1	17.98	22.472	
3,300.0	3,260.4	3,259.4	3,259.4	10.8	7.2	-172.69	50.3	-75.4	428.1	409.5	18.57	23.051	
3,400.0	3,357.4	3,356.4	3,356.4	11.2	7.3	-173.08	50.3	-75.4	452.1	432.9	19.17	23.586	
3,500.0	3,454.4	3,453.4	3,453.4	11.7	7.4	-173.43	50.3	-75.4	476.1	456.3	19.77	24.083	
3,600.0	3,551.5	3,550.5	3,550.5	12.1	7.5	-173.74	50.3	-75.4	500.2	479.8	20.38	24.543	
3,700.0	3,648.5	3,647.5	3,647.5	12.5	7.6	-174.03	50.3	-75.4	524.2	503.2	20.99	24.971	
3,800.0	3,745.5	3,744.5	3,744.5	13.0	7.7	-174.30	50.3	-75.4	548.3	526.7	21.61	25.369	
3,900.0	3,842.6	3,841.6	3,841.6	13.4	7.8	-174.54	50.3	-75.4	572.4	550.1	22.24	25.740	
4,000.0	3,939.6	3,938.6	3,938.6	13.9	7.9	-174.76	50.3	-75.4	596.5	573.6	22.87	26.086	
4,100.0	4,036.6	4,035.6	4,035.6	14.3	8.0	-174.96	50.3	-75.4	620.6	597.1	23.50	26.410	
4,200.0	4,133.6	4,132.6	4,132.6	14.8	8.2	-175.15	50.3	-75.4	644.7	620.5	24.13	26.713	
4,300.0	4,230.7	4,229.7	4,229.7	15.3	8.3	-175.33	50.3	-75.4	668.8	644.0	24.77	26.998	
4,400.0	4,327.7	4,326.7	4,326.7	15.7	8.4	-175.49	50.3	-75.4	692.9	667.5	25.41	27.265	
4,500.0	4,424.7	4,423.7	4,423.7	16.2	8.5	-175.64	50.3	-75.4	717.0	691.0	26.06	27.516	
4,600.0	4,521.8	4,520.8	4,520.8	16.7	8.6	-175.78	50.3	-75.4	741.2	714.5	26.71	27.753	
4,700.0	4,618.8	4,617.8	4,617.8	17.1	8.7	-175.92	50.3	-75.4	765.3	737.9	27.36	27.976	
4,800.0	4,715.8	4,714.8	4,714.8	17.6	8.8	-176.04	50.3	-75.4	789.4	761.4	28.01	28.186	
4,900.0	4,812.9	4,811.9	4,811.9	18.1	8.9	-176.16	50.3	-75.4	813.6	784.9	28.66	28.386	
5,000.0	4,909.9	4,908.9	4,908.9	18.5	9.0	-176.27	50.3	-75.4	837.7	808.4	29.32	28.574	
5,100.0	5,006.9	5,005.9	5,005.9	19.0	9.1	-176.37	50.3	-75.4	861.9	831.9	29.98	28.752	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)			
5,200.0	5,103.9	5,102.9	5,102.9	19.5	9.2	-176.47	50.3	-75.4	886.0	855.4	30.63	28.922		
5,300.0	5,201.0	5,200.0	5,200.0	19.9	9.3	-176.57	50.3	-75.4	910.2	878.9	31.30	29.082		
5,400.0	5,298.0	5,297.0	5,297.0	20.4	9.4	-176.66	50.3	-75.4	934.3	902.4	31.96	29.235		
5,500.0	5,395.0	5,394.0	5,394.0	20.9	9.5	-176.74	50.3	-75.4	958.5	925.8	32.62	29.381		
5,600.0	5,492.1	5,491.1	5,491.1	21.4	9.6	-176.82	50.3	-75.4	982.6	949.3	33.29	29.519		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-56.23	33.6	-50.3	60.5	53.5	6.98	8.672	
100.0	100.0	99.0	99.0	3.1	3.1	-56.23	33.6	-50.3	60.5	53.3	7.22	8.378	
200.0	200.0	199.0	199.0	3.2	3.2	-56.23	33.6	-50.3	60.5	53.1	7.46	8.110	
300.0	300.0	299.0	299.0	3.4	3.4	-56.23	33.6	-50.3	60.5	52.8	7.69	7.866	
400.0	400.0	399.0	399.0	3.5	3.5	-56.23	33.6	-50.3	60.5	52.6	7.92	7.641	
500.0	500.0	499.0	499.0	3.6	3.6	-56.23	33.6	-50.3	60.5	52.4	8.14	7.434	
600.0	600.0	599.0	599.0	3.7	3.7	-56.23	33.6	-50.3	60.5	52.2	8.36	7.242	
700.0	700.0	699.0	699.0	3.9	3.9	-56.23	33.6	-50.3	60.5	52.0	8.57	7.062	
800.0	800.0	799.0	799.0	4.0	4.0	-56.23	33.6	-50.3	60.5	51.7	8.78	6.895	
900.0	900.0	899.0	899.0	4.1	4.1	-56.23	33.6	-50.3	60.5	51.5	8.98	6.738	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.23	33.6	-50.3	60.5	51.3	9.18	6.590	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.23	33.6	-50.3	60.5	51.1	9.38	6.451	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.23	33.6	-50.3	60.5	50.9	9.58	6.319	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.23	33.6	-50.3	60.5	50.8	9.77	6.195	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.23	33.6	-50.3	60.5	50.6	9.96	6.076	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.23	33.6	-50.3	60.5	50.4	10.15	5.964 CC	
1,600.0	1,600.0	1,600.6	1,600.6	4.9	4.9	-144.12	33.9	-48.6	60.6	50.5	10.11	5.993	
1,700.0	1,699.8	1,702.2	1,702.1	5.1	5.1	-143.74	34.5	-43.2	60.9	50.3	10.56	5.764	
1,800.0	1,799.5	1,803.9	1,803.3	5.3	5.3	-143.11	35.6	-34.3	61.3	50.3	11.01	5.562 ES	
1,900.0	1,898.7	1,905.4	1,904.0	5.6	5.6	-142.23	37.1	-21.9	61.8	50.4	11.48	5.387	
2,000.0	1,997.5	2,005.3	2,003.0	5.9	5.8	-142.33	38.8	-8.1	64.0	52.1	11.94	5.360	
2,100.0	2,095.6	2,105.2	2,101.9	6.3	6.1	-144.16	40.5	5.7	69.0	56.5	12.46	5.534	
2,200.0	2,193.1	2,204.8	2,200.5	6.6	6.4	-147.17	42.2	19.5	76.9	63.8	13.06	5.889	
2,300.0	2,290.1	2,304.2	2,299.0	6.9	6.7	-150.26	43.9	33.2	86.5	72.9	13.66	6.335	
2,400.0	2,387.1	2,403.7	2,397.5	7.3	7.0	-152.73	45.6	46.9	96.3	82.0	14.29	6.741	
2,500.0	2,484.1	2,503.1	2,495.9	7.6	7.3	-154.75	47.3	60.7	106.3	91.3	14.95	7.108	
2,600.0	2,581.2	2,602.6	2,594.4	8.0	7.6	-156.41	49.0	74.4	116.4	100.7	15.64	7.438	
2,700.0	2,678.2	2,702.0	2,692.9	8.3	8.0	-157.81	50.6	88.1	126.5	110.2	16.36	7.735	
2,800.0	2,775.2	2,801.4	2,791.4	8.7	8.3	-159.00	52.3	101.9	136.7	119.6	17.09	8.001	
2,900.0	2,872.3	2,900.9	2,889.8	9.1	8.7	-160.03	54.0	115.6	147.0	129.2	17.84	8.240	
3,000.0	2,969.3	3,000.3	2,988.3	9.5	9.0	-160.92	55.7	129.4	157.3	138.7	18.61	8.455	
3,100.0	3,066.3	3,099.8	3,086.8	9.9	9.4	-161.70	57.4	143.1	167.7	148.3	19.39	8.648	
3,200.0	3,163.4	3,199.2	3,185.2	10.4	9.8	-162.39	59.1	156.8	178.0	157.8	20.18	8.823	
3,300.0	3,260.4	3,298.6	3,283.7	10.8	10.2	-163.01	60.8	170.6	188.4	167.4	20.98	8.981	
3,400.0	3,357.4	3,398.1	3,382.2	11.2	10.6	-163.56	62.4	184.3	198.8	177.0	21.79	9.125	
3,500.0	3,454.4	3,497.5	3,480.7	11.7	10.9	-164.05	64.1	198.0	209.3	186.6	22.61	9.255	
3,600.0	3,551.5	3,596.9	3,579.1	12.1	11.3	-164.50	65.8	211.8	219.7	196.3	23.44	9.374	
3,700.0	3,648.5	3,696.4	3,677.6	12.5	11.7	-164.91	67.5	225.5	230.2	205.9	24.27	9.483	
3,800.0	3,745.5	3,795.8	3,776.1	13.0	12.1	-165.28	69.2	239.2	240.6	215.5	25.11	9.583	
3,900.0	3,842.6	3,895.3	3,874.5	13.4	12.5	-165.62	70.9	253.0	251.1	225.1	25.95	9.675	
4,000.0	3,939.6	3,994.7	3,973.0	13.9	12.9	-165.94	72.6	266.7	261.6	234.8	26.80	9.759	
4,100.0	4,036.6	4,094.1	4,071.5	14.3	13.3	-166.23	74.3	280.5	272.1	244.4	27.66	9.838	
4,200.0	4,133.6	4,193.6	4,170.0	14.8	13.7	-166.49	75.9	294.2	282.6	254.0	28.51	9.910	
4,300.0	4,230.7	4,292.5	4,267.9	15.3	14.1	-166.74	77.6	307.8	293.1	263.7	29.36	9.983	
4,400.0	4,327.7	4,387.1	4,361.7	15.7	14.5	-167.02	79.1	320.0	304.5	274.3	30.19	10.087	
4,500.0	4,424.7	4,481.4	4,455.4	16.2	14.9	-167.36	80.4	330.5	317.6	286.6	31.01	10.240	
4,600.0	4,521.8	4,575.2	4,548.8	16.7	15.2	-167.76	81.5	339.5	332.2	300.4	31.82	10.440	
4,700.0	4,618.8	4,668.5	4,641.8	17.1	15.6	-168.19	82.4	346.9	348.3	315.7	32.61	10.682	
4,800.0	4,715.8	4,761.4	4,734.5	17.6	15.9	-168.65	83.1	352.8	366.1	332.7	33.38	10.967	
4,900.0	4,812.9	4,853.6	4,826.6	18.1	16.2	-169.14	83.7	357.2	385.3	351.2	34.12	11.292	
5,000.0	4,909.9	4,945.3	4,918.2	18.5	16.5	-169.63	84.0	360.1	406.1	371.3	34.84	11.657	
5,100.0	5,006.9	5,036.3	5,009.2	19.0	16.7	-170.12	84.2	361.5	428.5	393.0	35.48	12.075	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,200.0	5,103.9	5,130.0	5,102.9	19.5	16.8	-170.62	84.2	361.7	452.2	416.1	36.05	12.541	
5,300.0	5,201.0	5,227.0	5,200.0	19.9	16.8	-171.10	84.2	361.7	476.1	439.4	36.64	12.994	
5,400.0	5,298.0	5,324.1	5,297.0	20.4	16.9	-171.52	84.2	361.7	500.0	462.8	37.22	13.435	
5,500.0	5,395.0	5,421.1	5,394.0	20.9	16.9	-171.91	84.2	361.7	524.0	486.2	37.80	13.863	
5,600.0	5,492.1	5,518.1	5,491.1	21.4	16.9	-172.27	84.2	361.7	547.9	509.6	38.38	14.277	
5,700.0	5,589.1	5,615.2	5,588.1	21.9	17.0	-172.60	84.2	361.7	571.9	533.0	38.96	14.679	
5,800.0	5,686.1	5,712.2	5,685.1	22.3	17.0	-172.90	84.2	361.7	595.9	556.4	39.55	15.069	
5,900.0	5,783.1	5,809.2	5,782.1	22.8	17.1	-173.17	84.2	361.7	620.0	579.8	40.13	15.447	
6,000.0	5,880.2	5,906.3	5,879.2	23.3	17.1	-173.43	84.2	361.7	644.0	603.3	40.72	15.813	
6,100.0	5,977.2	6,003.3	5,976.2	23.8	17.2	-173.66	84.2	361.7	668.0	626.7	41.32	16.169	
6,148.2	6,024.0	6,050.1	6,023.0	24.0	17.2	-173.77	84.2	361.7	679.6	638.0	41.59	16.340	
6,200.0	6,074.3	6,100.4	6,073.3	24.2	17.2	-173.90	84.2	361.7	691.9	650.0	41.89	16.515	
6,300.0	6,171.7	6,197.8	6,170.7	24.7	17.3	-174.11	84.2	361.7	714.2	671.7	42.48	16.813	
6,400.0	6,269.6	6,295.6	6,268.6	25.2	17.3	-174.30	84.2	361.7	734.9	691.8	43.06	17.065	
6,500.0	6,367.7	6,393.8	6,366.7	25.6	17.4	-174.46	84.2	361.7	753.8	710.2	43.64	17.276	
6,600.0	6,466.2	6,492.3	6,465.2	26.1	17.4	-174.60	84.2	361.7	771.1	726.9	44.20	17.445	
6,700.0	6,565.0	6,591.1	6,564.0	26.5	17.5	-174.72	84.2	361.7	786.6	741.9	44.76	17.576	
6,800.0	6,664.0	6,690.1	6,663.0	26.9	17.5	-174.83	84.2	361.7	800.5	755.2	45.30	17.671	
6,900.0	6,763.3	6,789.3	6,762.3	27.4	17.6	-174.92	84.2	361.7	812.6	766.8	45.83	17.731	
7,000.0	6,862.7	6,888.8	6,861.7	27.8	17.6	-174.99	84.2	361.7	823.0	776.6	46.34	17.759	
7,100.0	6,962.3	6,988.4	6,961.3	28.1	17.7	-175.05	84.2	361.7	831.6	784.8	46.84	17.756	
7,200.0	7,062.1	7,088.2	7,061.1	28.5	17.7	-175.10	84.2	361.7	838.5	791.2	47.31	17.725	
7,300.0	7,162.0	7,188.0	7,161.0	28.9	17.8	-175.13	84.2	361.7	843.7	796.0	47.75	17.668	
7,400.0	7,261.9	7,288.0	7,260.9	29.2	17.8	-175.15	84.2	361.7	847.2	799.0	48.16	17.590	
7,500.0	7,361.9	7,388.0	7,360.9	29.4	17.9	-175.16	84.2	361.7	848.9	800.4	48.51	17.499	
7,548.2	7,410.1	7,436.2	7,409.1	29.5	17.9	-87.17	84.2	361.7	849.1	800.5	48.59	17.473	
7,600.0	7,461.9	7,488.0	7,460.9	29.5	17.9	-87.17	84.2	361.7	849.1	800.5	48.62	17.464	
7,700.0	7,561.9	7,588.0	7,560.9	29.5	18.0	-87.17	84.2	361.7	849.1	800.4	48.69	17.440	
7,800.0	7,661.9	7,688.0	7,660.9	29.5	18.0	-87.17	84.2	361.7	849.1	800.3	48.76	17.415	
7,900.0	7,761.9	7,788.0	7,760.9	29.6	18.1	-87.17	84.2	361.7	849.1	800.3	48.82	17.391	
8,000.0	7,861.9	7,888.0	7,860.9	29.6	18.1	-87.17	84.2	361.7	849.1	800.2	48.89	17.366	
8,100.0	7,961.9	7,988.0	7,960.9	29.6	18.2	-87.17	84.2	361.7	849.1	800.1	48.96	17.341	
8,200.0	8,061.9	8,088.0	8,060.9	29.6	18.2	-87.17	84.2	361.7	849.1	800.0	49.03	17.317	
8,300.0	8,161.9	8,188.0	8,160.9	29.7	18.3	-87.17	84.2	361.7	849.1	800.0	49.10	17.292	
8,400.0	8,261.9	8,288.0	8,260.9	29.7	18.3	-87.17	84.2	361.7	849.1	799.9	49.17	17.267	
8,500.0	8,361.9	8,388.0	8,360.9	29.7	18.4	-87.17	84.2	361.7	849.1	799.8	49.25	17.242	
8,600.0	8,461.9	8,488.0	8,460.9	29.8	18.4	-87.17	84.2	361.7	849.1	799.8	49.32	17.217	
8,700.0	8,561.9	8,588.0	8,560.9	29.8	18.5	-87.17	84.2	361.7	849.1	799.7	49.39	17.191	
8,800.0	8,661.9	8,688.0	8,660.9	29.8	18.5	-87.17	84.2	361.7	849.1	799.6	49.46	17.166	
8,900.0	8,761.9	8,788.0	8,760.9	29.8	18.6	-87.17	84.2	361.7	849.1	799.5	49.54	17.141	
9,000.0	8,861.9	8,888.0	8,860.9	29.9	18.6	-87.17	84.2	361.7	849.1	799.5	49.61	17.115	
9,100.0	8,961.9	8,988.0	8,960.9	29.9	18.7	-87.17	84.2	361.7	849.1	799.4	49.68	17.090	
9,200.0	9,061.9	9,088.0	9,060.9	29.9	18.8	-87.17	84.2	361.7	849.1	799.3	49.76	17.064	
9,300.0	9,161.9	9,188.0	9,160.9	30.0	18.8	-87.17	84.2	361.7	849.1	799.2	49.83	17.039	
9,400.0	9,261.9	9,288.0	9,260.9	30.0	18.9	-87.17	84.2	361.7	849.1	799.2	49.91	17.013	
9,500.0	9,361.9	9,388.0	9,360.9	30.0	18.9	-87.17	84.2	361.7	849.1	799.1	49.98	16.987	
9,600.0	9,461.9	9,488.0	9,460.9	30.0	19.0	-87.17	84.2	361.7	849.1	799.0	50.06	16.962	
9,700.0	9,561.9	9,588.0	9,560.9	30.1	19.0	-87.17	84.2	361.7	849.1	798.9	50.14	16.936	
9,800.0	9,661.9	9,688.0	9,660.9	30.1	19.1	-87.17	84.2	361.7	849.1	798.9	50.21	16.910	
9,900.0	9,761.9	9,788.0	9,760.9	30.1	19.1	-87.17	84.2	361.7	849.1	798.8	50.29	16.884	
10,000.0	9,861.9	9,888.0	9,860.9	30.2	19.2	-87.17	84.2	361.7	849.1	798.7	50.37	16.858	
10,100.0	9,961.9	9,988.0	9,960.9	30.2	19.3	-87.17	84.2	361.7	849.1	798.6	50.45	16.832	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.0	10,061.9	10,088.0	10,060.9	30.2	19.3	-87.17	84.2	361.7	849.1	798.6	50.52	16.806	
10,300.0	10,161.9	10,188.0	10,160.9	30.2	19.4	-87.17	84.2	361.7	849.1	798.5	50.60	16.779	
10,400.0	10,261.9	10,288.0	10,260.9	30.3	19.4	-87.17	84.2	361.7	849.1	798.4	50.68	16.753	
10,500.0	10,361.9	10,388.0	10,360.9	30.3	19.5	-87.17	84.2	361.7	849.1	798.3	50.76	16.727	
10,600.0	10,461.9	10,488.0	10,460.9	30.3	19.5	-87.17	84.2	361.7	849.1	798.2	50.84	16.701	
10,700.0	10,561.9	10,588.0	10,560.9	30.4	19.6	-87.17	84.2	361.7	849.1	798.2	50.92	16.674	
10,800.0	10,661.9	10,688.0	10,660.9	30.4	19.7	-87.17	84.2	361.7	849.1	798.1	51.00	16.648	
10,900.0	10,761.9	10,788.0	10,760.9	30.4	19.7	-87.17	84.2	361.7	849.1	798.0	51.08	16.621	
11,000.0	10,861.9	10,888.0	10,860.9	30.5	19.8	-87.17	84.2	361.7	849.1	797.9	51.17	16.595	
11,100.0	10,961.9	10,988.0	10,960.9	30.5	19.8	-87.17	84.2	361.7	849.1	797.8	51.25	16.568	
11,200.0	11,061.9	11,088.0	11,060.9	30.5	19.9	-87.17	84.2	361.7	849.1	797.7	51.33	16.542	
11,300.0	11,161.9	11,188.0	11,160.9	30.6	19.9	-87.17	84.2	361.7	849.1	797.7	51.41	16.515	
11,400.0	11,261.9	11,288.0	11,260.9	30.6	20.0	-87.17	84.2	361.7	849.1	797.6	51.50	16.489	
11,500.0	11,361.9	11,388.0	11,360.9	30.6	20.1	-87.17	84.2	361.7	849.1	797.5	51.58	16.462	
11,574.6	11,436.5	11,462.6	11,435.5	30.6	20.1	-87.17	84.2	361.7	849.1	797.5	51.63	16.447	
11,600.0	11,461.9	11,490.8	11,463.7	30.7	20.1	93.20	83.4	361.7	849.1	797.6	51.43	16.508	
11,625.0	11,486.8	11,518.5	11,491.3	30.7	20.1	93.19	81.0	361.7	849.1	797.6	51.46	16.499	
11,650.0	11,511.6	11,546.2	11,518.7	30.7	20.1	93.16	76.9	361.7	849.0	797.6	51.49	16.491	
11,675.0	11,536.1	11,573.9	11,545.9	30.7	20.1	93.13	71.3	361.8	849.0	797.5	51.51	16.482	
11,700.0	11,560.5	11,601.6	11,572.6	30.7	20.1	93.08	64.1	361.8	849.0	797.4	51.54	16.473	
11,725.0	11,584.4	11,629.2	11,598.8	30.7	20.1	93.03	55.5	361.9	848.9	797.4	51.56	16.464	
11,750.0	11,608.0	11,656.7	11,624.4	30.7	20.1	92.97	45.3	361.9	848.9	797.3	51.59	16.454	
11,775.0	11,631.1	11,684.2	11,649.3	30.7	20.1	92.90	33.7	362.0	848.8	797.2	51.62	16.446	
11,800.0	11,653.6	11,711.6	11,673.4	30.7	20.1	92.82	20.7	362.1	848.8	797.1	51.64	16.437	
11,825.0	11,675.6	11,739.0	11,696.7	30.7	20.1	92.73	6.5	362.2	848.7	797.1	51.66	16.428	
11,850.0	11,696.9	11,766.2	11,719.1	30.7	20.1	92.63	-9.1	362.3	848.6	797.0	51.69	16.419	
11,875.0	11,717.5	11,793.3	11,740.4	30.7	20.1	92.53	-25.8	362.4	848.6	796.9	51.71	16.411	
11,900.0	11,737.3	11,820.3	11,760.7	30.7	20.2	92.42	-43.6	362.5	848.5	796.8	51.73	16.403	
11,925.0	11,756.3	11,847.2	11,779.9	30.7	20.2	92.30	-62.5	362.6	848.4	796.7	51.75	16.395	
11,950.0	11,774.4	11,874.0	11,797.9	30.7	20.2	92.18	-82.3	362.8	848.4	796.6	51.77	16.387	
11,975.0	11,791.6	11,900.7	11,814.7	30.7	20.2	92.04	-103.1	362.9	848.3	796.5	51.79	16.379	
12,000.0	11,807.8	11,927.3	11,830.2	30.7	20.2	91.91	-124.6	363.0	848.2	796.4	51.81	16.372	
12,025.0	11,823.0	11,953.7	11,844.5	30.7	20.2	91.77	-146.8	363.2	848.2	796.3	51.83	16.364	
12,050.0	11,837.2	11,980.0	11,857.4	30.7	20.2	91.62	-169.7	363.3	848.1	796.2	51.85	16.357	
12,075.0	11,850.2	12,006.1	11,869.1	30.7	20.3	91.47	-193.1	363.5	848.0	796.2	51.87	16.349	
12,100.0	11,862.1	12,032.2	11,879.3	30.7	20.3	91.32	-217.1	363.6	848.0	796.1	51.89	16.342	
12,125.0	11,872.9	12,058.1	11,888.2	30.8	20.3	91.16	-241.4	363.8	847.9	796.0	51.91	16.334	
12,150.0	11,882.4	12,083.8	11,895.7	30.8	20.3	91.00	-266.0	364.0	847.9	795.9	51.94	16.326	
12,175.0	11,890.7	12,109.4	11,901.9	30.8	20.4	90.84	-290.9	364.1	847.8	795.9	51.96	16.318	
12,200.0	11,897.8	12,134.9	11,906.7	30.8	20.4	90.67	-315.9	364.3	847.8	795.8	51.98	16.309	
12,225.0	11,903.6	12,160.3	11,910.1	30.8	20.4	90.51	-341.0	364.4	847.8	795.8	52.01	16.300	
12,250.0	11,908.2	12,185.5	11,912.2	30.9	20.5	90.34	-366.1	364.6	847.8	795.7	52.04	16.291	
12,275.0	11,911.4	12,210.5	11,913.0	30.9	20.5	90.17	-391.2	364.8	847.8	795.7	52.07	16.282	
12,300.0	11,913.4	12,235.5	11,913.0	30.9	20.5	90.04	-416.1	364.9	847.7	795.6	52.11	16.269	
12,324.6	11,914.0	12,260.1	11,913.0	30.9	20.6	90.00	-440.7	365.1	847.7	795.6	52.16	16.254	
12,400.0	11,914.0	12,335.5	11,913.0	31.0	20.7	90.00	-516.1	365.6	847.7	795.4	52.34	16.196	
12,500.0	11,914.0	12,435.5	11,913.0	31.1	20.9	90.00	-616.1	366.2	847.7	795.1	52.64	16.106	
12,600.0	11,914.0	12,535.5	11,913.0	31.3	21.1	90.00	-716.1	366.9	847.7	794.8	52.97	16.004	
12,700.0	11,914.0	12,635.5	11,913.0	31.4	21.4	90.00	-816.1	367.5	847.7	794.4	53.35	15.892	
12,800.0	11,914.0	12,735.5	11,913.0	31.6	21.6	90.00	-916.1	368.2	847.7	794.0	53.76	15.769	
12,900.0	11,914.0	12,835.5	11,913.0	31.8	21.9	90.00	-1,016.1	368.8	847.7	793.5	54.21	15.637	
13,000.0	11,914.0	12,935.5	11,913.0	32.1	22.2	90.00	-1,116.1	369.5	847.7	793.0	54.71	15.496	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,100.0	11,914.0	13,035.5	11,913.0	32.3	22.6	90.00	-1,216.1	370.1	847.7	792.5	55.24	15.348	
13,200.0	11,914.0	13,135.5	11,913.0	32.5	22.9	90.00	-1,316.1	370.8	847.7	791.9	55.80	15.193	
13,300.0	11,914.0	13,235.5	11,913.0	32.8	23.3	90.00	-1,416.1	371.4	847.7	791.3	56.40	15.031	
13,400.0	11,914.0	13,335.5	11,913.0	33.1	23.7	90.00	-1,516.1	372.1	847.7	790.7	57.03	14.864	
13,500.0	11,914.0	13,435.5	11,913.0	33.4	24.1	90.00	-1,616.1	372.7	847.7	790.0	57.70	14.692	
13,600.0	11,914.0	13,535.5	11,913.0	33.7	24.6	90.00	-1,716.1	373.4	847.7	789.3	58.40	14.517	
13,700.0	11,914.0	13,635.5	11,913.0	34.0	25.0	90.00	-1,816.1	374.0	847.7	788.6	59.13	14.338	
13,800.0	11,914.0	13,735.5	11,913.0	34.4	25.5	90.00	-1,916.0	374.7	847.7	787.9	59.88	14.157	
13,900.0	11,914.0	13,835.5	11,913.0	34.7	25.9	90.00	-2,016.0	375.3	847.7	787.1	60.67	13.973	
14,000.0	11,914.0	13,935.5	11,913.0	35.1	26.4	90.00	-2,116.0	376.0	847.7	786.3	61.48	13.789	
14,100.0	11,914.0	14,035.5	11,913.0	35.5	26.9	90.00	-2,216.0	376.6	847.7	785.4	62.32	13.603	
14,200.0	11,914.0	14,135.5	11,913.0	35.9	27.4	90.00	-2,316.0	377.3	847.7	784.6	63.18	13.417	
14,300.0	11,914.0	14,235.5	11,913.0	36.3	28.0	90.00	-2,416.0	377.9	847.7	783.7	64.07	13.231	
14,400.0	11,914.0	14,335.5	11,913.0	36.7	28.5	90.00	-2,516.0	378.6	847.7	782.8	64.98	13.046	
14,500.0	11,914.0	14,435.5	11,913.0	37.1	29.0	90.00	-2,616.0	379.3	847.7	781.8	65.91	12.861	
14,600.0	11,914.0	14,535.5	11,913.0	37.5	29.6	90.00	-2,716.0	379.9	847.7	780.9	66.87	12.678	
14,700.0	11,914.0	14,635.5	11,913.0	38.0	30.1	90.00	-2,816.0	380.6	847.7	779.9	67.84	12.496	
14,800.0	11,914.0	14,735.5	11,913.0	38.4	30.7	90.00	-2,916.0	381.2	847.7	778.9	68.84	12.315	
14,900.0	11,914.0	14,835.5	11,913.0	38.9	31.3	90.00	-3,016.0	381.9	847.7	777.9	69.85	12.137	
15,000.0	11,914.0	14,935.5	11,913.0	39.4	31.9	90.00	-3,116.0	382.5	847.7	776.9	70.88	11.961	
15,100.0	11,914.0	15,035.5	11,913.0	39.9	32.5	90.00	-3,216.0	383.2	847.7	775.8	71.92	11.787	
15,200.0	11,914.0	15,135.5	11,913.0	40.4	33.1	90.00	-3,316.0	383.8	847.7	774.7	72.99	11.615	
15,300.0	11,914.0	15,235.5	11,913.0	40.9	33.7	90.00	-3,416.0	384.5	847.7	773.7	74.06	11.446	
15,400.0	11,914.0	15,335.5	11,913.0	41.4	34.3	90.00	-3,516.0	385.1	847.7	772.6	75.16	11.280	
15,500.0	11,914.0	15,435.5	11,913.0	41.9	34.9	90.00	-3,616.0	385.8	847.7	771.5	76.26	11.116	
15,600.0	11,914.0	15,535.5	11,913.0	42.4	35.6	90.00	-3,716.0	386.4	847.7	770.3	77.38	10.955	
15,700.0	11,914.0	15,635.5	11,913.0	42.9	36.2	90.00	-3,816.0	387.1	847.7	769.2	78.52	10.797	
15,800.0	11,914.0	15,735.5	11,913.0	43.5	36.8	90.00	-3,916.0	387.7	847.7	768.1	79.66	10.641	
15,900.0	11,914.0	15,835.5	11,913.0	44.0	37.5	90.00	-4,016.0	388.4	847.7	766.9	80.82	10.489	
16,000.0	11,914.0	15,935.5	11,913.0	44.6	38.1	90.00	-4,116.0	389.0	847.7	765.7	81.99	10.339	
16,100.0	11,914.0	16,035.5	11,913.0	45.1	38.8	90.00	-4,216.0	389.7	847.7	764.6	83.17	10.193	
16,200.0	11,914.0	16,135.5	11,913.0	45.7	39.4	90.00	-4,316.0	390.3	847.7	763.4	84.36	10.049	
16,300.0	11,914.0	16,235.5	11,913.0	46.2	40.1	90.00	-4,416.0	391.0	847.7	762.2	85.56	9.908	
16,400.0	11,914.0	16,335.5	11,913.0	46.8	40.7	90.00	-4,516.0	391.6	847.7	761.0	86.77	9.769	
16,500.0	11,914.0	16,435.5	11,913.0	47.4	41.4	90.00	-4,616.0	392.3	847.7	759.7	87.99	9.634	
16,600.0	11,914.0	16,535.5	11,913.0	48.0	42.1	90.00	-4,716.0	392.9	847.7	758.5	89.22	9.501	
16,700.0	11,914.0	16,635.5	11,913.0	48.6	42.7	90.00	-4,816.0	393.6	847.7	757.3	90.46	9.372	
16,800.0	11,914.0	16,735.5	11,913.0	49.1	43.4	90.00	-4,916.0	394.2	847.7	756.0	91.70	9.244	
16,900.0	11,914.0	16,835.5	11,913.0	49.7	44.1	90.00	-5,016.0	394.9	847.7	754.8	92.95	9.120	
17,000.0	11,914.0	16,935.5	11,913.0	50.3	44.8	90.00	-5,116.0	395.5	847.7	753.5	94.21	8.998	
17,100.0	11,914.0	17,035.5	11,913.0	50.9	45.5	90.00	-5,216.0	396.2	847.7	752.2	95.48	8.878	
17,200.0	11,914.0	17,135.5	11,913.0	51.6	46.1	90.00	-5,316.0	396.8	847.7	751.0	96.76	8.761	
17,300.0	11,914.0	17,235.5	11,913.0	52.2	46.8	90.00	-5,416.0	397.5	847.7	749.7	98.04	8.647	
17,400.0	11,914.0	17,335.5	11,913.0	52.8	47.5	90.00	-5,516.0	398.1	847.7	748.4	99.32	8.535	
17,500.0	11,914.0	17,435.5	11,913.0	53.4	48.2	90.00	-5,616.0	398.8	847.7	747.1	100.62	8.425	
17,600.0	11,914.0	17,535.5	11,913.0	54.0	48.9	90.00	-5,716.0	399.4	847.7	745.8	101.92	8.318	
17,700.0	11,914.0	17,635.5	11,913.0	54.7	49.6	90.00	-5,816.0	400.1	847.7	744.5	103.22	8.213	
17,800.0	11,914.0	17,735.5	11,913.0	55.3	50.3	90.00	-5,916.0	400.7	847.7	743.2	104.53	8.110	
17,900.0	11,914.0	17,835.5	11,913.0	55.9	51.0	90.00	-6,016.0	401.4	847.7	741.9	105.85	8.009	
18,000.0	11,914.0	17,935.5	11,913.0	56.6	51.7	90.00	-6,116.0	402.0	847.7	740.6	107.17	7.910	
18,100.0	11,914.0	18,035.5	11,913.0	57.2	52.4	90.00	-6,216.0	402.7	847.7	739.2	108.49	7.814	
18,200.0	11,914.0	18,135.5	11,913.0	57.9	53.1	90.00	-6,316.0	403.3	847.7	737.9	109.82	7.719	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	
18,300.0	11,914.0	18,235.5	11,913.0	58.5	53.8	90.00	-6,416.0	404.0	847.7	736.6	111.16	7.626	
18,400.0	11,914.0	18,335.5	11,913.0	59.2	54.5	90.00	-6,516.0	404.6	847.7	735.2	112.49	7.536	
18,500.0	11,914.0	18,435.5	11,913.0	59.8	55.2	90.00	-6,615.9	405.3	847.7	733.9	113.84	7.447	
18,600.0	11,914.0	18,535.5	11,913.0	60.5	56.0	90.00	-6,715.9	405.9	847.7	732.5	115.18	7.360	
18,700.0	11,914.0	18,635.5	11,913.0	61.1	56.7	90.00	-6,815.9	406.6	847.7	731.2	116.54	7.274	
18,800.0	11,914.0	18,735.5	11,913.0	61.8	57.4	90.00	-6,915.9	407.2	847.7	729.8	117.89	7.191	
18,900.0	11,914.0	18,835.5	11,913.0	62.4	58.1	90.00	-7,015.9	407.9	847.7	728.5	119.25	7.109	
19,000.0	11,914.0	18,935.5	11,913.0	63.1	58.8	90.00	-7,115.9	408.5	847.7	727.1	120.61	7.029	
19,100.0	11,914.0	19,035.5	11,913.0	63.8	59.5	90.00	-7,215.9	409.2	847.7	725.7	121.98	6.950	
19,200.0	11,914.0	19,135.5	11,913.0	64.4	60.2	90.00	-7,315.9	409.8	847.7	724.4	123.34	6.873	
19,300.0	11,914.0	19,235.5	11,913.0	65.1	61.0	90.00	-7,415.9	410.5	847.7	723.0	124.72	6.797	
19,400.0	11,914.0	19,335.5	11,913.0	65.8	61.7	90.00	-7,515.9	411.1	847.7	721.6	126.09	6.723	
19,500.0	11,914.0	19,435.5	11,913.0	66.5	62.4	90.00	-7,615.9	411.8	847.7	720.2	127.47	6.650	
19,600.0	11,914.0	19,535.5	11,913.0	67.1	63.1	90.00	-7,715.9	412.5	847.7	718.9	128.85	6.579	
19,700.0	11,914.0	19,635.5	11,913.0	67.8	63.9	90.00	-7,815.9	413.1	847.7	717.5	130.23	6.509	
19,800.0	11,914.0	19,735.5	11,913.0	68.5	64.6	90.00	-7,915.9	413.8	847.7	716.1	131.62	6.441	
19,900.0	11,914.0	19,835.5	11,913.0	69.2	65.3	90.00	-8,015.9	414.4	847.7	714.7	133.01	6.373	
20,000.0	11,914.0	19,935.5	11,913.0	69.9	66.0	90.00	-8,115.9	415.1	847.7	713.3	134.40	6.307	
20,100.0	11,914.0	20,035.5	11,913.0	70.5	66.8	90.00	-8,215.9	415.7	847.7	711.9	135.79	6.243	
20,200.0	11,914.0	20,135.5	11,913.0	71.2	67.5	90.00	-8,315.9	416.4	847.7	710.5	137.19	6.179	
20,300.0	11,914.0	20,235.5	11,913.0	71.9	68.2	90.00	-8,415.9	417.0	847.7	709.1	138.59	6.117	
20,400.0	11,914.0	20,335.5	11,913.0	72.6	69.0	90.00	-8,515.9	417.7	847.7	707.7	139.99	6.056	
20,500.0	11,914.0	20,435.5	11,913.0	73.3	69.7	90.00	-8,615.9	418.3	847.7	706.3	141.39	5.995	
20,600.0	11,914.0	20,535.5	11,913.0	74.0	70.4	90.00	-8,715.9	419.0	847.7	704.9	142.80	5.936	
20,700.0	11,914.0	20,635.5	11,913.0	74.7	71.1	90.00	-8,815.9	419.6	847.7	703.5	144.20	5.878	
20,800.0	11,914.0	20,735.5	11,913.0	75.4	71.9	90.00	-8,915.9	420.3	847.7	702.1	145.61	5.822	
20,900.0	11,914.0	20,835.5	11,913.0	76.1	72.6	90.00	-9,015.9	420.9	847.7	700.7	147.02	5.766	
21,000.0	11,914.0	20,935.5	11,913.0	76.8	73.3	90.00	-9,115.9	421.6	847.7	699.3	148.44	5.711	
21,100.0	11,914.0	21,035.5	11,913.0	77.5	74.1	90.00	-9,215.9	422.2	847.7	697.8	149.85	5.657	
21,200.0	11,914.0	21,135.5	11,913.0	78.2	74.8	90.00	-9,315.9	422.9	847.7	696.4	151.27	5.604	
21,300.0	11,914.0	21,235.5	11,913.0	78.9	75.5	90.00	-9,415.9	423.5	847.7	695.0	152.69	5.552	
21,400.0	11,914.0	21,335.5	11,913.0	79.6	76.3	90.00	-9,515.9	424.2	847.7	693.6	154.11	5.501	
21,500.0	11,914.0	21,435.5	11,913.0	80.3	77.0	90.00	-9,615.9	424.8	847.7	692.2	155.53	5.450	
21,600.0	11,914.0	21,535.5	11,913.0	81.0	77.8	90.00	-9,715.9	425.5	847.7	690.7	156.95	5.401	
21,700.0	11,914.0	21,635.5	11,913.0	81.7	78.5	90.00	-9,815.9	426.1	847.7	689.3	158.38	5.352	
21,800.0	11,914.0	21,735.5	11,913.0	82.4	79.2	90.00	-9,915.9	426.8	847.7	687.9	159.80	5.305	
21,844.3	11,914.0	21,779.7	11,913.0	82.7	79.6	90.00	-9,960.2	427.1	847.7	687.3	160.43	5.284	
21,893.3	11,914.0	21,828.8	11,913.0	83.1	79.9	90.00	-10,009.2	427.4	847.7	686.6	161.13	5.261	
21,894.3	11,914.0	21,829.6	11,913.0	83.1	79.9	90.00	-10,010.0	427.4	847.7	686.6	161.14	5.261 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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	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	
0.0	0.0	0.0	0.0	3.0	3.0	-56.32	16.8	-25.1	30.2	23.3	6.98	4.334		
100.0	100.0	99.0	99.0	3.1	3.1	-56.32	16.8	-25.1	30.2	23.0	7.22	4.184		
200.0	200.0	199.0	199.0	3.2	3.2	-56.32	16.8	-25.1	30.2	22.8	7.46	4.050		
300.0	300.0	299.0	299.0	3.4	3.4	-56.32	16.8	-25.1	30.2	22.5	7.69	3.928		
400.0	400.0	399.0	399.0	3.5	3.5	-56.32	16.8	-25.1	30.2	22.3	7.92	3.816		
500.0	500.0	499.0	499.0	3.6	3.6	-56.32	16.8	-25.1	30.2	22.1	8.14	3.712		
600.0	600.0	599.0	599.0	3.7	3.7	-56.32	16.8	-25.1	30.2	21.9	8.36	3.616		
700.0	700.0	699.0	699.0	3.9	3.9	-56.32	16.8	-25.1	30.2	21.7	8.57	3.527		
800.0	800.0	799.0	799.0	4.0	4.0	-56.32	16.8	-25.1	30.2	21.4	8.78	3.443		
900.0	900.0	899.0	899.0	4.1	4.1	-56.32	16.8	-25.1	30.2	21.2	8.98	3.365		
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.32	16.8	-25.1	30.2	21.0	9.18	3.291		
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.32	16.8	-25.1	30.2	20.8	9.38	3.222		
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.32	16.8	-25.1	30.2	20.6	9.58	3.156		
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.32	16.8	-25.1	30.2	20.5	9.77	3.094		
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.32	16.8	-25.1	30.2	20.3	9.96	3.035		
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.32	16.8	-25.1	30.2	20.1	10.15	2.978 CC		
1,600.0	1,600.0	1,599.8	1,599.8	4.9	4.9	-144.25	16.9	-23.4	30.3	20.2	10.12	2.992		
1,700.0	1,699.8	1,700.7	1,700.5	5.1	5.1	-143.96	17.3	-18.1	30.4	19.8	10.57	2.875		
1,800.0	1,799.5	1,801.5	1,801.0	5.3	5.3	-143.45	17.9	-9.3	30.5	19.5	11.03	2.769		
1,900.0	1,898.7	1,902.4	1,901.0	5.6	5.6	-142.74	18.7	3.0	30.7	19.2	11.50	2.673		
2,000.0	1,997.5	2,003.2	2,000.6	5.9	5.9	-141.82	19.8	18.8	31.0	19.0	11.99	2.587		
2,100.0	2,095.6	2,104.0	2,099.5	6.3	6.3	-140.72	21.2	38.1	31.3	18.9	12.48	2.510 ES, SF		
2,200.0	2,193.1	2,204.0	2,197.3	6.6	6.6	-141.65	22.6	58.9	33.2	20.1	13.03	2.544		
2,300.0	2,290.1	2,303.9	2,295.1	6.9	6.9	-144.18	24.1	79.6	36.4	22.8	13.63	2.671		
2,400.0	2,387.1	2,403.8	2,392.8	7.3	7.2	-146.29	25.5	100.3	39.7	25.4	14.26	2.784		
2,500.0	2,484.1	2,503.8	2,490.6	7.6	7.5	-148.07	27.0	121.0	43.0	28.1	14.92	2.883		
2,600.0	2,581.2	2,603.7	2,588.3	8.0	7.9	-149.60	28.4	141.8	46.4	30.8	15.62	2.970		
2,700.0	2,678.2	2,703.6	2,686.1	8.3	8.3	-150.92	29.9	162.5	49.8	33.5	16.35	3.047		
2,800.0	2,775.2	2,803.6	2,783.8	8.7	8.6	-152.07	31.3	183.2	53.2	36.1	17.09	3.114		
2,900.0	2,872.3	2,903.5	2,881.6	9.1	9.0	-153.08	32.8	204.0	56.7	38.8	17.86	3.172		
3,000.0	2,969.3	3,003.5	2,979.3	9.5	9.4	-153.97	34.2	224.7	60.1	41.5	18.65	3.224		
3,100.0	3,066.3	3,103.4	3,077.1	9.9	9.8	-154.77	35.7	245.4	63.6	44.1	19.45	3.269		
3,200.0	3,163.4	3,203.3	3,174.8	10.4	10.2	-155.48	37.1	266.1	67.1	46.8	20.27	3.309		
3,300.0	3,260.4	3,303.3	3,272.6	10.8	10.6	-156.13	38.6	286.9	70.6	49.5	21.10	3.345		
3,400.0	3,357.4	3,403.2	3,370.3	11.2	11.1	-156.71	40.0	307.6	74.1	52.1	21.94	3.376		
3,500.0	3,454.4	3,503.1	3,468.1	11.7	11.5	-157.24	41.5	328.3	77.6	54.8	22.79	3.404		
3,600.0	3,551.5	3,603.1	3,565.8	12.1	11.9	-157.73	42.9	349.0	81.1	57.4	23.65	3.429		
3,700.0	3,648.5	3,703.0	3,663.6	12.5	12.3	-158.17	44.4	369.8	84.6	60.1	24.51	3.452		
3,800.0	3,745.5	3,802.9	3,761.3	13.0	12.8	-158.58	45.8	390.5	88.1	62.8	25.38	3.472		
3,900.0	3,842.6	3,902.9	3,859.1	13.4	13.2	-158.96	47.3	411.2	91.7	65.4	26.26	3.491		
4,000.0	3,939.6	4,002.8	3,956.9	13.9	13.7	-159.31	48.7	432.0	95.2	68.0	27.14	3.507		
4,100.0	4,036.6	4,102.7	4,054.6	14.3	14.1	-159.63	50.2	452.7	98.7	70.7	28.03	3.522		
4,200.0	4,133.6	4,202.7	4,152.4	14.8	14.5	-159.93	51.6	473.4	102.3	73.3	28.92	3.536		
4,300.0	4,230.7	4,302.6	4,250.1	15.3	15.0	-160.21	53.1	494.1	105.8	76.0	29.82	3.548		
4,400.0	4,327.7	4,402.6	4,347.9	15.7	15.4	-160.48	54.5	514.9	109.3	78.6	30.72	3.559		
4,500.0	4,424.7	4,502.5	4,445.6	16.2	15.9	-160.72	56.0	535.6	112.9	81.3	31.62	3.570		
4,600.0	4,521.8	4,602.4	4,543.4	16.7	16.3	-160.96	57.4	556.3	116.4	83.9	32.53	3.579		
4,700.0	4,618.8	4,702.4	4,641.1	17.1	16.8	-161.17	58.9	577.0	120.0	86.5	33.44	3.588		
4,800.0	4,715.8	4,802.3	4,738.9	17.6	17.2	-161.38	60.3	597.8	123.5	89.2	34.35	3.596		
4,900.0	4,812.9	4,902.2	4,836.6	18.1	17.7	-161.57	61.8	618.5	127.1	91.8	35.26	3.604		
5,000.0	4,909.9	5,002.2	4,934.4	18.5	18.1	-161.76	63.2	639.2	130.6	94.5	36.18	3.611		
5,100.0	5,006.9	5,102.1	5,032.1	19.0	18.6	-161.93	64.7	660.0	134.2	97.1	37.10	3.617		

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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		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	5,103.9	5,200.0	5,128.0	19.5	19.0	-162.20	66.0	679.5	138.5	100.5	38.02	3.643	
5,300.0	5,201.0	5,297.4	5,223.8	19.9	19.5	-162.68	67.3	697.3	144.4	105.5	38.95	3.708	
5,400.0	5,298.0	5,394.8	5,319.8	20.4	19.9	-163.32	68.4	713.5	152.0	112.1	39.89	3.809	
5,500.0	5,395.0	5,491.8	5,415.7	20.9	20.3	-164.08	69.4	728.0	161.1	120.3	40.83	3.946	
5,600.0	5,492.1	5,588.5	5,511.6	21.4	20.7	-164.92	70.3	740.8	171.9	130.2	41.76	4.117	
5,700.0	5,589.1	5,684.8	5,607.2	21.9	21.1	-165.80	71.1	752.0	184.4	141.7	42.67	4.320	
5,800.0	5,686.1	5,780.7	5,702.6	22.3	21.5	-166.70	71.8	761.5	198.4	154.9	43.56	4.556	
5,900.0	5,783.1	5,876.1	5,797.7	22.8	21.9	-167.58	72.3	769.5	214.2	169.7	44.41	4.822	
6,000.0	5,880.2	5,970.9	5,892.3	23.3	22.2	-168.43	72.8	775.7	231.5	186.3	45.23	5.119	
6,100.0	5,977.2	6,065.2	5,986.4	23.8	22.5	-169.25	73.1	780.5	250.5	204.5	46.01	5.445	
6,148.2	6,024.0	6,110.4	6,031.6	24.0	22.7	-169.62	73.2	782.2	260.2	213.9	46.36	5.613	
6,200.0	6,074.3	6,158.8	6,080.1	24.2	22.8	-170.02	73.3	783.6	270.9	224.2	46.72	5.798	
6,300.0	6,171.7	6,252.2	6,173.4	24.7	23.0	-170.72	73.4	785.2	291.4	244.0	47.34	6.155	
6,400.0	6,269.6	6,347.4	6,268.6	25.2	23.1	-171.34	73.4	785.5	311.6	263.8	47.89	6.508	
6,500.0	6,367.7	6,445.5	6,366.7	25.6	23.1	-171.87	73.4	785.5	330.5	282.1	48.43	6.824	
6,600.0	6,466.2	6,544.0	6,465.2	26.1	23.2	-172.30	73.4	785.5	347.7	298.7	48.96	7.101	
6,700.0	6,565.0	6,642.8	6,564.0	26.5	23.2	-172.65	73.4	785.5	363.2	313.7	49.48	7.340	
6,800.0	6,664.0	6,741.8	6,663.0	26.9	23.2	-172.93	73.4	785.5	376.9	327.0	49.98	7.541	
6,900.0	6,763.3	6,841.1	6,762.3	27.4	23.3	-173.17	73.4	785.5	389.0	338.5	50.47	7.708	
7,000.0	6,862.7	6,940.5	6,861.7	27.8	23.3	-173.36	73.4	785.5	399.4	348.4	50.94	7.839	
7,100.0	6,962.3	7,040.1	6,961.3	28.1	23.3	-173.51	73.4	785.5	408.0	356.6	51.39	7.938	
7,200.0	7,062.1	7,139.9	7,061.1	28.5	23.4	-173.62	73.4	785.5	414.9	363.1	51.83	8.005	
7,300.0	7,162.0	7,239.8	7,161.0	28.9	23.4	-173.71	73.4	785.5	420.1	367.8	52.23	8.042	
7,400.0	7,261.9	7,339.7	7,260.9	29.2	23.4	-173.76	73.4	785.5	423.5	370.9	52.60	8.051	
7,500.0	7,361.9	7,439.7	7,360.9	29.4	23.5	-173.79	73.4	785.5	425.2	372.3	52.92	8.035	
7,548.2	7,410.1	7,487.9	7,409.1	29.5	23.5	-85.79	73.4	785.5	425.4	372.4	52.99	8.027	
7,600.0	7,461.9	7,539.7	7,460.9	29.5	23.5	-85.79	73.4	785.5	425.4	372.4	53.02	8.024	
7,700.0	7,561.9	7,639.7	7,560.9	29.5	23.6	-85.79	73.4	785.5	425.4	372.3	53.08	8.015	
7,800.0	7,661.9	7,739.7	7,660.9	29.5	23.6	-85.79	73.4	785.5	425.4	372.3	53.14	8.006	
7,900.0	7,761.9	7,839.7	7,760.9	29.6	23.6	-85.79	73.4	785.5	425.4	372.2	53.20	7.997	
8,000.0	7,861.9	7,939.7	7,860.9	29.6	23.7	-85.79	73.4	785.5	425.4	372.1	53.26	7.988	
8,100.0	7,961.9	8,039.7	7,960.9	29.6	23.7	-85.79	73.4	785.5	425.4	372.1	53.32	7.979	
8,200.0	8,061.9	8,139.7	8,060.9	29.6	23.7	-85.79	73.4	785.5	425.4	372.0	53.38	7.970	
8,300.0	8,161.9	8,239.7	8,160.9	29.7	23.8	-85.79	73.4	785.5	425.4	372.0	53.44	7.960	
8,400.0	8,261.9	8,339.7	8,260.9	29.7	23.8	-85.79	73.4	785.5	425.4	371.9	53.50	7.951	
8,500.0	8,361.9	8,439.7	8,360.9	29.7	23.8	-85.79	73.4	785.5	425.4	371.8	53.56	7.942	
8,600.0	8,461.9	8,539.7	8,460.9	29.8	23.9	-85.79	73.4	785.5	425.4	371.8	53.63	7.933	
8,700.0	8,561.9	8,639.7	8,560.9	29.8	23.9	-85.79	73.4	785.5	425.4	371.7	53.69	7.923	
8,800.0	8,661.9	8,739.7	8,660.9	29.8	24.0	-85.79	73.4	785.5	425.4	371.6	53.75	7.914	
8,900.0	8,761.9	8,839.7	8,760.9	29.8	24.0	-85.79	73.4	785.5	425.4	371.6	53.82	7.904	
9,000.0	8,861.9	8,939.7	8,860.9	29.9	24.0	-85.79	73.4	785.5	425.4	371.5	53.88	7.895	
9,100.0	8,961.9	9,039.7	8,960.9	29.9	24.1	-85.79	73.4	785.5	425.4	371.5	53.95	7.885	
9,200.0	9,061.9	9,139.7	9,060.9	29.9	24.1	-85.79	73.4	785.5	425.4	371.4	54.01	7.876	
9,300.0	9,161.9	9,239.7	9,160.9	30.0	24.2	-85.79	73.4	785.5	425.4	371.3	54.08	7.866	
9,400.0	9,261.9	9,339.7	9,260.9	30.0	24.2	-85.79	73.4	785.5	425.4	371.3	54.14	7.857	
9,500.0	9,361.9	9,439.7	9,360.9	30.0	24.2	-85.79	73.4	785.5	425.4	371.2	54.21	7.847	
9,600.0	9,461.9	9,539.7	9,460.9	30.0	24.3	-85.79	73.4	785.5	425.4	371.1	54.28	7.837	
9,700.0	9,561.9	9,639.7	9,560.9	30.1	24.3	-85.79	73.4	785.5	425.4	371.1	54.35	7.828	
9,800.0	9,661.9	9,739.7	9,660.9	30.1	24.4	-85.79	73.4	785.5	425.4	371.0	54.41	7.818	
9,900.0	9,761.9	9,839.7	9,760.9	30.1	24.4	-85.79	73.4	785.5	425.4	370.9	54.48	7.808	
10,000.0	9,861.9	9,939.7	9,860.9	30.2	24.4	-85.79	73.4	785.5	425.4	370.8	54.55	7.798	
10,100.0	9,961.9	10,039.7	9,960.9	30.2	24.5	-85.79	73.4	785.5	425.4	370.8	54.62	7.788	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.0	10,061.9	10,139.7	10,060.9	30.2	24.5	-85.79	73.4	785.5	425.4	370.7	54.69	7.779	
10,300.0	10,161.9	10,239.7	10,160.9	30.2	24.6	-85.79	73.4	785.5	425.4	370.6	54.76	7.769	
10,400.0	10,261.9	10,339.7	10,260.9	30.3	24.6	-85.79	73.4	785.5	425.4	370.6	54.83	7.759	
10,500.0	10,361.9	10,439.7	10,360.9	30.3	24.6	-85.79	73.4	785.5	425.4	370.5	54.90	7.749	
10,600.0	10,461.9	10,539.7	10,460.9	30.3	24.7	-85.79	73.4	785.5	425.4	370.4	54.97	7.739	
10,700.0	10,561.9	10,639.7	10,560.9	30.4	24.7	-85.79	73.4	785.5	425.4	370.4	55.04	7.729	
10,800.0	10,661.9	10,739.7	10,660.9	30.4	24.8	-85.79	73.4	785.5	425.4	370.3	55.11	7.719	
10,900.0	10,761.9	10,839.7	10,760.9	30.4	24.8	-85.79	73.4	785.5	425.4	370.2	55.18	7.709	
11,000.0	10,861.9	10,939.7	10,860.9	30.5	24.8	-85.79	73.4	785.5	425.4	370.1	55.26	7.698	
11,100.0	10,961.9	11,039.7	10,960.9	30.5	24.9	-85.79	73.4	785.5	425.4	370.1	55.33	7.688	
11,200.0	11,061.9	11,139.7	11,060.9	30.5	24.9	-85.79	73.4	785.5	425.4	370.0	55.40	7.678	
11,300.0	11,161.9	11,239.7	11,160.9	30.6	25.0	-85.79	73.4	785.5	425.4	369.9	55.48	7.668	
11,400.0	11,261.9	11,339.7	11,260.9	30.6	25.0	-85.79	73.4	785.5	425.4	369.9	55.45	7.671	
11,500.0	11,361.9	11,445.6	11,365.9	30.6	25.0	-87.38	61.7	785.5	424.6	369.0	55.69	7.625	
11,574.6	11,436.5	11,518.8	11,435.8	30.6	25.0	-90.29	40.1	785.7	424.0	368.3	55.78	7.602	
11,576.5	11,438.4	11,520.5	11,437.4	30.6	25.0	90.00	39.5	785.7	424.0	368.4	55.65	7.620	
11,600.0	11,461.9	11,542.2	11,457.3	30.7	25.0	88.92	31.0	785.7	424.1	368.5	55.61	7.626	
11,625.0	11,486.8	11,564.9	11,477.8	30.7	25.0	87.78	21.2	785.8	424.4	368.9	55.55	7.640	
11,650.0	11,511.6	11,587.2	11,497.4	30.7	25.0	86.65	10.5	785.9	424.9	369.4	55.46	7.660	
11,675.0	11,536.1	11,609.2	11,516.3	30.7	25.0	85.54	-0.8	785.9	425.5	370.1	55.35	7.687	
11,700.0	11,560.5	11,630.9	11,534.3	30.7	25.0	84.44	-12.8	786.0	426.3	371.1	55.23	7.719	
11,725.0	11,584.4	11,652.2	11,551.5	30.7	25.0	83.37	-25.5	786.1	427.3	372.2	55.08	7.756	
11,750.0	11,608.0	11,673.4	11,568.0	30.7	25.0	82.31	-38.7	786.2	428.3	373.4	54.93	7.798	
11,775.0	11,631.1	11,694.2	11,583.6	30.7	25.1	81.28	-52.5	786.3	429.6	374.8	54.77	7.843	
11,800.0	11,653.6	11,714.8	11,598.5	30.7	25.1	80.27	-66.7	786.4	430.9	376.3	54.60	7.891	
11,825.0	11,675.6	11,735.2	11,612.6	30.7	25.1	79.29	-81.5	786.5	432.3	377.9	54.43	7.942	
11,850.0	11,696.9	11,755.4	11,625.9	30.7	25.1	78.34	-96.6	786.6	433.8	379.5	54.27	7.994	
11,875.0	11,717.5	11,775.0	11,638.2	30.7	25.1	77.43	-111.9	786.7	435.4	381.3	54.10	8.047	
11,900.0	11,737.3	11,795.1	11,650.2	30.7	25.1	76.53	-128.1	786.8	437.0	383.0	53.94	8.100	
11,925.0	11,756.3	11,814.8	11,661.2	30.7	25.1	75.68	-144.3	786.9	438.6	384.8	53.79	8.154	
11,950.0	11,774.4	11,834.3	11,671.5	30.7	25.1	74.86	-160.9	787.0	440.3	386.6	53.65	8.207	
11,975.0	11,791.6	11,853.6	11,681.0	30.7	25.1	74.08	-177.7	787.1	441.9	388.4	53.51	8.258	
12,000.0	11,807.8	11,875.0	11,690.7	30.7	25.1	73.28	-196.8	787.2	443.6	390.2	53.40	8.307	
12,025.0	11,823.0	11,891.9	11,697.8	30.7	25.1	72.63	-212.1	787.3	445.2	392.0	53.27	8.357	
12,050.0	11,837.2	11,910.9	11,705.0	30.7	25.2	71.97	-229.7	787.4	446.8	393.7	53.17	8.404	
12,075.0	11,850.2	11,929.7	11,711.6	30.7	25.2	71.35	-247.4	787.6	448.4	395.3	53.08	8.447	
12,100.0	11,862.1	11,950.0	11,717.8	30.7	25.2	70.74	-266.7	787.7	449.9	396.9	53.00	8.488	
12,125.0	11,872.9	11,967.2	11,722.5	30.8	25.2	70.23	-283.2	787.8	451.3	398.4	52.92	8.527	
12,150.0	11,882.4	11,985.8	11,726.8	30.8	25.2	69.74	-301.3	787.9	452.6	399.8	52.86	8.563	
12,175.0	11,890.7	12,004.3	11,730.4	30.8	25.2	69.28	-319.4	788.0	453.9	401.1	52.81	8.595	
12,200.0	11,897.8	12,025.0	11,733.7	30.8	25.3	68.84	-339.9	788.2	455.0	402.3	52.77	8.623	
12,225.0	11,903.6	12,041.2	11,735.6	30.8	25.3	68.51	-355.9	788.3	456.1	403.4	52.72	8.650	
12,250.0	11,908.2	12,059.6	11,737.1	30.9	25.3	68.19	-374.3	788.4	457.0	404.3	52.69	8.673	
12,275.0	11,911.4	12,077.9	11,737.9	30.9	25.3	67.91	-392.6	788.5	457.8	405.2	52.67	8.692	
12,300.0	11,913.4	12,098.7	11,738.0	30.9	25.3	67.67	-413.3	788.6	458.5	405.8	52.67	8.705	
12,324.6	11,914.0	12,123.3	11,738.0	30.9	25.4	67.57	-438.0	788.8	458.7	406.0	52.71	8.703	
12,400.0	11,914.0	12,198.6	11,738.0	31.0	25.5	67.57	-513.3	789.3	458.7	405.8	52.89	8.673	
12,500.0	11,914.0	12,298.6	11,738.0	31.1	25.6	67.57	-613.3	789.9	458.7	405.6	53.17	8.627	
12,600.0	11,914.0	12,398.6	11,738.0	31.3	25.8	67.57	-713.3	790.6	458.7	405.2	53.50	8.574	
12,700.0	11,914.0	12,498.6	11,738.0	31.4	26.0	67.57	-813.3	791.2	458.7	404.9	53.87	8.516	
12,800.0	11,914.0	12,598.6	11,738.0	31.6	26.3	67.57	-913.3	791.9	458.7	404.5	54.27	8.452	
12,900.0	11,914.0	12,698.6	11,738.0	31.8	26.5	67.57	-1,013.3	792.5	458.7	404.0	54.72	8.383	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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
13,000.0	11,914.0	12,798.6	11,738.0	32.1	26.8	67.57	-1,113.3	793.2	458.7	403.5	55.20	8.310	
13,100.0	11,914.0	12,898.6	11,738.0	32.3	27.1	67.57	-1,213.3	793.8	458.7	403.0	55.72	8.232	
13,200.0	11,914.0	12,998.6	11,738.0	32.5	27.4	67.57	-1,313.3	794.5	458.7	402.4	56.28	8.151	
13,300.0	11,914.0	13,098.6	11,738.0	32.8	27.7	67.57	-1,413.3	795.1	458.7	401.9	56.87	8.066	
13,400.0	11,914.0	13,198.6	11,738.0	33.1	28.0	67.57	-1,513.3	795.8	458.7	401.2	57.50	7.978	
13,500.0	11,914.0	13,298.6	11,738.0	33.4	28.4	67.57	-1,613.3	796.4	458.7	400.6	58.16	7.888	
13,600.0	11,914.0	13,398.6	11,738.0	33.7	28.7	67.57	-1,713.3	797.1	458.7	399.9	58.85	7.795	
13,700.0	11,914.0	13,498.6	11,738.0	34.0	29.1	67.57	-1,813.3	797.7	458.7	399.2	59.57	7.701	
13,800.0	11,914.0	13,598.6	11,738.0	34.4	29.5	67.57	-1,913.3	798.4	458.7	398.4	60.32	7.605	
13,900.0	11,914.0	13,698.6	11,738.0	34.7	29.9	67.57	-2,013.3	799.0	458.7	397.6	61.10	7.508	
14,000.0	11,914.0	13,798.6	11,738.0	35.1	30.3	67.57	-2,113.3	799.7	458.7	396.8	61.90	7.410	
14,100.0	11,914.0	13,898.6	11,738.0	35.5	30.8	67.57	-2,213.3	800.3	458.7	396.0	62.73	7.312	
14,200.0	11,914.0	13,998.6	11,738.0	35.9	31.2	67.57	-2,313.3	801.0	458.7	395.1	63.59	7.213	
14,300.0	11,914.0	14,098.6	11,738.0	36.3	31.7	67.57	-2,413.3	801.6	458.7	394.2	64.47	7.115	
14,400.0	11,914.0	14,198.6	11,738.0	36.7	32.2	67.57	-2,513.3	802.3	458.7	393.3	65.38	7.016	
14,500.0	11,914.0	14,298.6	11,738.0	37.1	32.6	67.57	-2,613.3	803.0	458.7	392.4	66.31	6.918	
14,600.0	11,914.0	14,398.6	11,738.0	37.5	33.1	67.57	-2,713.3	803.6	458.7	391.5	67.26	6.821	
14,700.0	11,914.0	14,498.6	11,738.0	38.0	33.6	67.57	-2,813.3	804.3	458.7	390.5	68.22	6.724	
14,800.0	11,914.0	14,598.6	11,738.0	38.4	34.2	67.57	-2,913.3	804.9	458.7	389.5	69.21	6.628	
14,900.0	11,914.0	14,698.6	11,738.0	38.9	34.7	67.57	-3,013.3	805.6	458.7	388.5	70.22	6.533	
15,000.0	11,914.0	14,798.6	11,738.0	39.4	35.2	67.57	-3,113.3	806.2	458.7	387.5	71.25	6.439	
15,100.0	11,914.0	14,898.6	11,738.0	39.9	35.7	67.57	-3,213.3	806.9	458.7	386.4	72.29	6.346	
15,200.0	11,914.0	14,998.6	11,738.0	40.4	36.3	67.57	-3,313.3	807.5	458.7	385.4	73.35	6.254	
15,300.0	11,914.0	15,098.6	11,738.0	40.9	36.9	67.57	-3,413.3	808.2	458.7	384.3	74.42	6.164	
15,400.0	11,914.0	15,198.6	11,738.0	41.4	37.4	67.57	-3,513.3	808.8	458.7	383.2	75.51	6.075	
15,500.0	11,914.0	15,298.6	11,738.0	41.9	38.0	67.57	-3,613.3	809.5	458.7	382.1	76.62	5.987	
15,600.0	11,914.0	15,398.6	11,738.0	42.4	38.6	67.57	-3,713.3	810.1	458.7	381.0	77.73	5.901	
15,700.0	11,914.0	15,498.6	11,738.0	42.9	39.1	67.57	-3,813.3	810.8	458.7	379.8	78.86	5.816	
15,800.0	11,914.0	15,598.6	11,738.0	43.5	39.7	67.57	-3,913.2	811.4	458.7	378.7	80.01	5.733	
15,900.0	11,914.0	15,698.6	11,738.0	44.0	40.3	67.57	-4,013.2	812.1	458.7	377.5	81.16	5.652	
16,000.0	11,914.0	15,798.6	11,738.0	44.6	40.9	67.57	-4,113.2	812.7	458.7	376.4	82.33	5.572	
16,100.0	11,914.0	15,898.6	11,738.0	45.1	41.5	67.57	-4,213.2	813.4	458.7	375.2	83.51	5.493	
16,200.0	11,914.0	15,998.6	11,738.0	45.7	42.1	67.57	-4,313.2	814.0	458.7	374.0	84.70	5.416	
16,300.0	11,914.0	16,098.6	11,738.0	46.2	42.7	67.57	-4,413.2	814.7	458.7	372.8	85.90	5.340	
16,400.0	11,914.0	16,198.6	11,738.0	46.8	43.4	67.57	-4,513.2	815.3	458.7	371.6	87.11	5.266	
16,500.0	11,914.0	16,298.6	11,738.0	47.4	44.0	67.57	-4,613.2	816.0	458.7	370.4	88.33	5.193	
16,600.0	11,914.0	16,398.6	11,738.0	48.0	44.6	67.57	-4,713.2	816.6	458.7	369.2	89.55	5.122	
16,700.0	11,914.0	16,498.6	11,738.0	48.6	45.3	67.57	-4,813.2	817.3	458.7	367.9	90.79	5.052	
16,800.0	11,914.0	16,598.6	11,738.0	49.1	45.9	67.57	-4,913.2	817.9	458.7	366.7	92.03	4.984	
16,900.0	11,914.0	16,698.6	11,738.0	49.7	46.5	67.57	-5,013.2	818.6	458.7	365.4	93.29	4.917	
17,000.0	11,914.0	16,798.6	11,738.0	50.3	47.2	67.57	-5,113.2	819.2	458.7	364.2	94.55	4.852	
17,100.0	11,914.0	16,898.6	11,738.0	50.9	47.8	67.57	-5,213.2	819.9	458.7	362.9	95.81	4.788	
17,200.0	11,914.0	16,998.6	11,738.0	51.6	48.5	67.57	-5,313.2	820.5	458.7	361.6	97.09	4.725	
17,300.0	11,914.0	17,098.6	11,738.0	52.2	49.1	67.57	-5,413.2	821.2	458.7	360.3	98.37	4.663	
17,400.0	11,914.0	17,198.6	11,738.0	52.8	49.8	67.57	-5,513.2	821.8	458.7	359.1	99.66	4.603	
17,500.0	11,914.0	17,298.6	11,738.0	53.4	50.4	67.57	-5,613.2	822.5	458.7	357.8	100.95	4.544	
17,600.0	11,914.0	17,398.6	11,738.0	54.0	51.1	67.57	-5,713.2	823.1	458.7	356.5	102.25	4.486	
17,700.0	11,914.0	17,498.6	11,738.0	54.7	51.8	67.57	-5,813.2	823.8	458.7	355.2	103.55	4.430	
17,800.0	11,914.0	17,598.6	11,738.0	55.3	52.4	67.57	-5,913.2	824.4	458.7	353.8	104.86	4.374	
17,900.0	11,914.0	17,698.6	11,738.0	55.9	53.1	67.57	-6,013.2	825.1	458.7	352.5	106.18	4.320	
18,000.0	11,914.0	17,798.6	11,738.0	56.6	53.8	67.57	-6,113.2	825.7	458.7	351.2	107.50	4.267	
18,100.0	11,914.0	17,898.6	11,738.0	57.2	54.5	67.57	-6,213.2	826.4	458.7	349.9	108.83	4.215	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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		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)			
18,200.0	11,914.0	17,998.6	11,738.0	57.9	55.1	67.57	-6,313.2	827.0	458.7	348.5	110.16	4.164	
18,300.0	11,914.0	18,098.6	11,738.0	58.5	55.8	67.57	-6,413.2	827.7	458.7	347.2	111.50	4.114	
18,400.0	11,914.0	18,198.6	11,738.0	59.2	56.5	67.57	-6,513.2	828.3	458.7	345.9	112.84	4.065	
18,500.0	11,914.0	18,298.6	11,738.0	59.8	57.2	67.57	-6,613.2	829.0	458.7	344.5	114.18	4.017	
18,600.0	11,914.0	18,398.6	11,738.0	60.5	57.9	67.57	-6,713.2	829.6	458.7	343.2	115.53	3.970	
18,700.0	11,914.0	18,498.6	11,738.0	61.1	58.6	67.57	-6,813.2	830.3	458.7	341.8	116.88	3.924	
18,800.0	11,914.0	18,598.6	11,738.0	61.8	59.2	67.57	-6,913.2	830.9	458.7	340.5	118.24	3.879	
18,900.0	11,914.0	18,698.6	11,738.0	62.4	59.9	67.57	-7,013.2	831.6	458.7	339.1	119.60	3.835	
19,000.0	11,914.0	18,798.6	11,738.0	63.1	60.6	67.57	-7,113.2	832.2	458.7	337.7	120.96	3.792	
19,100.0	11,914.0	18,898.6	11,738.0	63.8	61.3	67.57	-7,213.2	832.9	458.7	336.4	122.33	3.750	
19,200.0	11,914.0	18,998.6	11,738.0	64.4	62.0	67.57	-7,313.2	833.5	458.7	335.0	123.70	3.708	
19,300.0	11,914.0	19,098.6	11,738.0	65.1	62.7	67.57	-7,413.2	834.2	458.7	333.6	125.07	3.667	
19,400.0	11,914.0	19,198.6	11,738.0	65.8	63.4	67.57	-7,513.2	834.8	458.7	332.2	126.45	3.627	
19,500.0	11,914.0	19,298.6	11,738.0	66.5	64.1	67.57	-7,613.2	835.5	458.7	330.9	127.83	3.588	
19,600.0	11,914.0	19,398.6	11,738.0	67.1	64.8	67.57	-7,713.2	836.2	458.7	329.5	129.21	3.550	
19,700.0	11,914.0	19,498.6	11,738.0	67.8	65.5	67.57	-7,813.2	836.8	458.7	328.1	130.60	3.512	
19,800.0	11,914.0	19,598.6	11,738.0	68.5	66.2	67.57	-7,913.2	837.5	458.7	326.7	131.99	3.475	
19,900.0	11,914.0	19,698.6	11,738.0	69.2	66.9	67.57	-8,013.2	838.1	458.7	325.3	133.38	3.439	
20,000.0	11,914.0	19,798.6	11,738.0	69.9	67.6	67.57	-8,113.2	838.8	458.7	323.9	134.77	3.403	
20,100.0	11,914.0	19,898.6	11,738.0	70.5	68.4	67.57	-8,213.2	839.4	458.7	322.5	136.17	3.369	
20,200.0	11,914.0	19,998.6	11,738.0	71.2	69.1	67.57	-8,313.2	840.1	458.7	321.1	137.57	3.334	
20,300.0	11,914.0	20,098.6	11,738.0	71.9	69.8	67.57	-8,413.2	840.7	458.7	319.7	138.97	3.301	
20,400.0	11,914.0	20,198.6	11,738.0	72.6	70.5	67.57	-8,513.2	841.4	458.7	318.3	140.37	3.268	
20,500.0	11,914.0	20,298.6	11,738.0	73.3	71.2	67.57	-8,613.1	842.0	458.7	316.9	141.78	3.235	
20,600.0	11,914.0	20,398.6	11,738.0	74.0	71.9	67.57	-8,713.1	842.7	458.7	315.5	143.19	3.203	
20,700.0	11,914.0	20,498.6	11,738.0	74.7	72.6	67.57	-8,813.1	843.3	458.7	314.1	144.60	3.172	
20,800.0	11,914.0	20,598.6	11,738.0	75.4	73.4	67.57	-8,913.1	844.0	458.7	312.7	146.01	3.141	
20,900.0	11,914.0	20,698.6	11,738.0	76.1	74.1	67.57	-9,013.1	844.6	458.7	311.3	147.42	3.111	
21,000.0	11,914.0	20,798.6	11,738.0	76.8	74.8	67.57	-9,113.1	845.3	458.7	309.8	148.84	3.082	
21,100.0	11,914.0	20,898.6	11,738.0	77.5	75.5	67.57	-9,213.1	845.9	458.7	308.4	150.26	3.053	
21,200.0	11,914.0	20,998.6	11,738.0	78.2	76.2	67.57	-9,313.1	846.6	458.7	307.0	151.68	3.024	
21,300.0	11,914.0	21,098.6	11,738.0	78.9	76.9	67.57	-9,413.1	847.2	458.7	305.6	153.10	2.996	
21,400.0	11,914.0	21,198.6	11,738.0	79.6	77.7	67.57	-9,513.1	847.9	458.7	304.2	154.52	2.968	
21,500.0	11,914.0	21,298.6	11,738.0	80.3	78.4	67.57	-9,613.1	848.5	458.7	302.7	155.95	2.941	
21,600.0	11,914.0	21,398.6	11,738.0	81.0	79.1	67.57	-9,713.1	849.2	458.7	301.3	157.37	2.915	
21,700.0	11,914.0	21,498.6	11,738.0	81.7	79.8	67.57	-9,813.1	849.8	458.7	299.9	158.80	2.888	
21,800.0	11,914.0	21,598.6	11,738.0	82.4	80.6	67.57	-9,913.1	850.5	458.7	298.5	160.23	2.863	
21,844.3	11,914.0	21,642.9	11,738.0	82.7	80.9	67.57	-9,957.4	850.8	458.7	297.8	160.86	2.851	
21,893.4	11,914.0	21,692.0	11,738.0	83.1	81.2	67.57	-10,006.5	851.1	458.7	297.1	161.56	2.839	
21,894.3	11,914.0	21,692.9	11,738.0	83.1	81.2	67.57	-10,007.3	851.1	458.7	297.1	161.57	2.839	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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	0.0	0.0	3.0	3.0	123.72	-16.8	25.1	30.2	23.2	6.98	4.328	
100.0	100.0	100.0	100.0	3.1	3.1	123.72	-16.8	25.1	30.2	23.0	7.23	4.181	
200.0	200.0	200.0	200.0	3.2	3.2	123.72	-16.8	25.1	30.2	22.7	7.46	4.048	
300.0	300.0	300.0	300.0	3.4	3.4	123.72	-16.8	25.1	30.2	22.5	7.70	3.926	
400.0	400.0	400.0	400.0	3.5	3.5	123.72	-16.8	25.1	30.2	22.3	7.92	3.814	
500.0	500.0	500.0	500.0	3.6	3.6	123.72	-16.8	25.1	30.2	22.1	8.14	3.711	
600.0	600.0	600.0	600.0	3.7	3.7	123.72	-16.8	25.1	30.2	21.9	8.36	3.615	
700.0	700.0	700.0	700.0	3.9	3.9	123.72	-16.8	25.1	30.2	21.6	8.57	3.525	
800.0	800.0	800.0	800.0	4.0	4.0	123.72	-16.8	25.1	30.2	21.4	8.78	3.442	
900.0	900.0	900.0	900.0	4.1	4.1	123.72	-16.8	25.1	30.2	21.2	8.98	3.363	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	123.72	-16.8	25.1	30.2	21.0	9.18	3.290	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	123.72	-16.8	25.1	30.2	20.8	9.38	3.220	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	123.72	-16.8	25.1	30.2	20.6	9.58	3.154	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	123.72	-16.8	25.1	30.2	20.4	9.77	3.092	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	123.72	-16.8	25.1	30.2	20.3	9.96	3.033	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	123.72	-16.8	25.1	30.2	20.1	10.15	2.977 CC	
1,600.0	1,600.0	1,599.1	1,599.1	4.9	4.9	35.78	-16.7	26.8	30.2	20.1	10.12	2.985	
1,700.0	1,699.8	1,698.3	1,698.1	5.1	5.1	35.97	-16.7	32.0	30.2	19.7	10.57	2.860	
1,800.0	1,799.5	1,797.4	1,796.9	5.3	5.3	36.28	-16.5	40.6	30.3	19.2	11.03	2.743	
1,900.0	1,898.7	1,896.6	1,895.3	5.6	5.6	36.72	-16.3	52.5	30.3	18.8	11.51	2.632	
2,000.0	1,997.5	1,995.7	1,993.3	5.9	5.9	37.28	-16.0	67.9	30.4	18.3	12.01	2.528	
2,100.0	2,095.6	2,094.9	2,090.6	6.3	6.2	37.95	-15.7	86.7	30.4	17.9	12.52	2.430	
2,200.0	2,193.1	2,194.0	2,187.3	6.6	6.6	38.75	-15.3	108.8	30.5	17.5	13.06	2.337 ES, SF	
2,300.0	2,290.1	2,293.2	2,283.1	6.9	7.0	37.68	-14.9	134.2	32.0	18.4	13.62	2.349	
2,400.0	2,387.1	2,393.0	2,379.1	7.3	7.3	34.83	-14.4	161.7	35.1	20.8	14.28	2.455	
2,500.0	2,484.1	2,493.0	2,475.2	7.6	7.7	32.44	-13.9	189.3	38.2	23.2	14.99	2.551	
2,600.0	2,581.2	2,592.9	2,571.2	8.0	8.0	30.42	-13.4	216.8	41.5	25.7	15.74	2.635	
2,700.0	2,678.2	2,692.9	2,667.3	8.3	8.4	28.69	-12.9	244.4	44.7	28.2	16.51	2.710	
2,800.0	2,775.2	2,792.8	2,763.4	8.7	8.8	27.20	-12.5	271.9	48.0	30.7	17.31	2.776	
2,900.0	2,872.3	2,892.7	2,859.4	9.1	9.2	25.90	-12.0	299.4	51.4	33.2	18.13	2.834	
3,000.0	2,969.3	2,992.7	2,955.5	9.5	9.6	24.75	-11.5	327.0	54.7	35.8	18.97	2.886	
3,100.0	3,066.3	3,092.6	3,051.6	9.9	10.0	23.75	-11.0	354.5	58.1	38.3	19.82	2.931	
3,200.0	3,163.4	3,192.6	3,147.6	10.4	10.5	22.85	-10.5	382.1	61.5	40.8	20.69	2.972	
3,300.0	3,260.4	3,292.5	3,243.7	10.8	10.9	22.05	-10.1	409.6	64.9	43.3	21.58	3.008	
3,400.0	3,357.4	3,392.4	3,339.8	11.2	11.3	21.32	-9.6	437.2	68.3	45.9	22.47	3.041	
3,500.0	3,454.4	3,492.4	3,435.8	11.7	11.8	20.67	-9.1	464.7	71.8	48.4	23.37	3.070	
3,600.0	3,551.5	3,592.3	3,531.9	12.1	12.2	20.07	-8.6	492.2	75.2	50.9	24.28	3.096	
3,700.0	3,648.5	3,692.2	3,628.0	12.5	12.7	19.53	-8.1	519.8	78.6	53.4	25.20	3.120	
3,800.0	3,745.5	3,792.2	3,724.0	13.0	13.1	19.03	-7.7	547.3	82.1	56.0	26.13	3.142	
3,900.0	3,842.6	3,892.1	3,820.1	13.4	13.6	18.58	-7.2	574.9	85.5	58.5	27.06	3.161	
4,000.0	3,939.6	3,992.1	3,916.2	13.9	14.1	18.16	-6.7	602.4	89.0	61.0	28.00	3.179	
4,100.0	4,036.6	4,092.0	4,012.2	14.3	14.5	17.77	-6.2	630.0	92.5	63.5	28.94	3.195	
4,200.0	4,133.6	4,191.9	4,108.3	14.8	15.0	17.40	-5.7	657.5	95.9	66.0	29.88	3.210	
4,300.0	4,230.7	4,291.9	4,204.4	15.3	15.5	17.07	-5.3	685.0	99.4	68.6	30.83	3.224	
4,400.0	4,327.7	4,391.8	4,300.4	15.7	15.9	16.75	-4.8	712.6	102.9	71.1	31.78	3.237	
4,500.0	4,424.7	4,491.7	4,396.5	16.2	16.4	16.46	-4.3	740.1	106.4	73.6	32.74	3.248	
4,600.0	4,521.8	4,591.7	4,492.6	16.7	16.9	16.19	-3.8	767.7	109.8	76.1	33.70	3.259	
4,700.0	4,618.8	4,691.6	4,588.6	17.1	17.4	15.93	-3.3	795.2	113.3	78.7	34.66	3.269	
4,800.0	4,715.8	4,791.6	4,684.7	17.6	17.8	15.69	-2.8	822.8	116.8	81.2	35.63	3.278	
4,900.0	4,812.9	4,891.5	4,780.8	18.1	18.3	15.46	-2.4	850.3	120.3	83.7	36.59	3.287	
5,000.0	4,909.9	4,991.4	4,876.8	18.5	18.8	15.24	-1.9	877.8	123.8	86.2	37.56	3.295	
5,100.0	5,006.9	5,091.4	4,972.9	19.0	19.3	15.04	-1.4	905.4	127.3	88.7	38.53	3.303	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,103.9	5,191.3	5,069.0	19.5	19.8	14.85	-0.9	932.9	130.8	91.3	39.51	3.310	
5,300.0	5,201.0	5,291.3	5,165.0	19.9	20.3	14.66	-0.4	960.5	134.3	93.8	40.48	3.317	
5,400.0	5,298.0	5,391.2	5,261.1	20.4	20.7	14.49	0.0	988.0	137.7	96.3	41.46	3.323	
5,500.0	5,395.0	5,491.1	5,357.2	20.9	21.2	14.32	0.5	1,015.6	141.2	98.8	42.43	3.329	
5,600.0	5,492.1	5,591.1	5,453.2	21.4	21.7	14.17	1.0	1,043.1	144.7	101.3	43.41	3.334	
5,700.0	5,589.1	5,691.0	5,549.3	21.9	22.2	14.02	1.5	1,070.6	148.2	103.8	44.39	3.339	
5,800.0	5,686.1	5,790.9	5,645.4	22.3	22.7	13.88	2.0	1,098.2	151.7	106.4	45.37	3.344	
5,900.0	5,783.1	5,890.9	5,741.4	22.8	23.2	13.74	2.4	1,125.7	155.2	108.9	46.35	3.349	
6,000.0	5,880.2	5,990.8	5,837.5	23.3	23.7	13.61	2.9	1,153.3	158.7	111.4	47.34	3.353	
6,100.0	5,977.2	6,090.8	5,933.6	23.8	24.2	13.48	3.4	1,180.8	162.2	113.9	48.32	3.358	
6,148.2	6,024.0	6,139.2	5,980.1	24.0	24.4	13.43	3.6	1,194.1	163.9	115.1	48.78	3.360	
6,200.0	6,074.3	6,191.6	6,030.6	24.2	24.7	13.36	3.9	1,208.4	165.8	116.5	49.29	3.364	
6,300.0	6,171.7	6,293.0	6,128.3	24.7	25.2	13.19	4.4	1,235.3	170.0	119.7	50.28	3.381	
6,400.0	6,269.6	6,394.4	6,226.2	25.2	25.6	12.96	4.8	1,261.4	175.1	123.8	51.27	3.414	
6,500.0	6,367.7	6,495.7	6,324.4	25.6	26.1	12.68	5.2	1,286.6	181.0	128.7	52.25	3.463	
6,600.0	6,466.2	6,597.1	6,422.8	26.1	26.6	12.36	5.7	1,310.9	187.7	134.5	53.22	3.527	
6,700.0	6,565.0	6,698.4	6,521.4	26.5	27.1	12.00	6.1	1,334.4	195.3	141.1	54.18	3.605	
6,800.0	6,664.0	6,799.8	6,620.2	26.9	27.6	11.62	6.5	1,357.0	203.7	148.6	55.12	3.696	
6,900.0	6,763.3	6,901.2	6,719.3	27.4	28.1	11.22	6.9	1,378.7	213.0	157.0	56.04	3.801	
7,000.0	6,862.7	7,002.6	6,818.5	27.8	28.6	10.81	7.2	1,399.5	223.1	166.2	56.94	3.919	
7,100.0	6,962.3	7,103.9	6,917.9	28.1	29.0	10.40	7.6	1,419.5	234.1	176.3	57.82	4.049	
7,200.0	7,062.1	7,205.3	7,017.4	28.5	29.5	9.98	7.9	1,438.6	245.9	187.3	58.66	4.192	
7,300.0	7,162.0	7,306.7	7,117.2	28.9	30.0	9.57	8.2	1,456.8	258.6	199.1	59.48	4.348	
7,400.0	7,261.9	7,408.1	7,217.1	29.2	30.4	9.17	8.5	1,474.1	272.1	211.9	60.25	4.516	
7,500.0	7,361.9	7,509.5	7,317.1	29.4	30.9	8.77	8.8	1,490.5	286.5	225.5	60.97	4.699	
7,548.2	7,410.1	7,558.4	7,365.4	29.5	31.1	96.59	8.9	1,498.1	293.8	232.5	61.24	4.797	
7,600.0	7,461.9	7,610.9	7,417.3	29.5	31.3	96.39	9.1	1,506.1	301.5	240.0	61.49	4.904	
7,700.0	7,561.9	7,712.6	7,517.9	29.5	31.8	96.04	9.3	1,520.8	315.9	253.9	61.96	5.098	
7,800.0	7,661.9	7,814.5	7,618.9	29.5	32.2	95.74	9.6	1,534.6	329.4	266.9	62.41	5.277	
7,900.0	7,761.9	7,916.6	7,720.2	29.6	32.6	95.48	9.8	1,547.6	342.0	279.1	62.86	5.441	
8,000.0	7,861.9	8,019.0	7,821.9	29.6	33.0	95.26	10.0	1,559.7	353.7	290.4	63.29	5.589	
8,100.0	7,961.9	8,121.6	7,923.9	29.6	33.5	95.07	10.2	1,570.9	364.6	300.9	63.71	5.723	
8,200.0	8,061.9	8,224.4	8,026.2	29.6	33.9	94.90	10.4	1,581.2	374.5	310.4	64.11	5.842	
8,300.0	8,161.9	8,327.4	8,128.7	29.7	34.3	94.76	10.6	1,590.6	383.6	319.1	64.51	5.947	
8,400.0	8,261.9	8,430.5	8,231.5	29.7	34.7	94.63	10.7	1,599.1	391.8	327.0	64.89	6.039	
8,500.0	8,361.9	8,533.8	8,334.5	29.7	35.1	94.52	10.8	1,606.7	399.2	333.9	65.25	6.117	
8,600.0	8,461.9	8,637.2	8,437.7	29.8	35.4	94.43	11.0	1,613.3	405.6	340.0	65.60	6.182	
8,700.0	8,561.9	8,740.7	8,541.0	29.8	35.8	94.36	11.1	1,619.1	411.1	345.2	65.93	6.235	
8,800.0	8,661.9	8,844.3	8,644.5	29.8	36.1	94.30	11.1	1,623.9	415.7	349.5	66.25	6.275	
8,900.0	8,761.9	8,948.0	8,748.2	29.8	36.5	94.25	11.2	1,627.8	419.4	352.9	66.54	6.304	
9,000.0	8,861.9	9,051.8	8,851.9	29.9	36.8	94.21	11.3	1,630.7	422.2	355.4	66.80	6.321	
9,100.0	8,961.9	9,155.6	8,955.7	29.9	37.1	94.19	11.3	1,632.7	424.2	357.1	67.03	6.328	
9,200.0	9,061.9	9,259.4	9,059.5	29.9	37.3	94.17	11.3	1,633.8	425.2	358.0	67.21	6.326	
9,300.0	9,161.9	9,361.8	9,161.9	30.0	37.4	94.17	11.3	1,633.9	425.4	358.1	67.29	6.322	
9,400.0	9,261.9	9,461.8	9,261.9	30.0	37.4	94.17	11.3	1,633.9	425.4	358.0	67.33	6.317	
9,500.0	9,361.9	9,561.8	9,361.9	30.0	37.4	94.17	11.3	1,633.9	425.4	358.0	67.38	6.313	
9,600.0	9,461.9	9,661.8	9,461.9	30.0	37.5	94.17	11.3	1,633.9	425.4	357.9	67.43	6.308	
9,700.0	9,561.9	9,761.8	9,561.9	30.1	37.5	94.17	11.3	1,633.9	425.4	357.9	67.48	6.304	
9,800.0	9,661.9	9,861.8	9,661.9	30.1	37.5	94.17	11.3	1,633.9	425.4	357.8	67.52	6.299	
9,900.0	9,761.9	9,961.8	9,761.9	30.1	37.5	94.17	11.3	1,633.9	425.4	357.8	67.57	6.295	
10,000.0	9,861.9	10,061.8	9,861.9	30.2	37.5	94.17	11.3	1,633.9	425.4	357.7	67.62	6.290	
10,100.0	9,961.9	10,161.8	9,961.9	30.2	37.6	94.17	11.3	1,633.9	425.4	357.7	67.67	6.286	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.0	10,061.9	10,261.8	10,061.9	30.2	37.6	94.17	11.3	1,633.9	425.4	357.6	67.72	6.281	
10,300.0	10,161.9	10,361.8	10,161.9	30.2	37.6	94.17	11.3	1,633.9	425.4	357.6	67.77	6.276	
10,400.0	10,261.9	10,461.8	10,261.9	30.3	37.6	94.17	11.3	1,633.9	425.4	357.5	67.82	6.272	
10,500.0	10,361.9	10,561.8	10,361.9	30.3	37.7	94.17	11.3	1,633.9	425.4	357.5	67.87	6.267	
10,600.0	10,461.9	10,661.8	10,461.9	30.3	37.7	94.17	11.3	1,633.9	425.4	357.4	67.92	6.262	
10,700.0	10,561.9	10,761.8	10,561.9	30.4	37.7	94.17	11.3	1,633.9	425.4	357.4	67.98	6.258	
10,800.0	10,661.9	10,861.8	10,661.9	30.4	37.7	94.17	11.3	1,633.9	425.4	357.3	68.03	6.253	
10,900.0	10,761.9	10,961.8	10,761.9	30.4	37.7	94.17	11.3	1,633.9	425.4	357.3	68.08	6.248	
11,000.0	10,861.9	11,061.8	10,861.9	30.5	37.8	94.17	11.3	1,633.9	425.4	357.2	68.13	6.243	
11,100.0	10,961.9	11,161.8	10,961.9	30.5	37.8	94.17	11.3	1,633.9	425.4	357.2	68.19	6.238	
11,200.0	11,061.9	11,261.8	11,061.9	30.5	37.8	94.17	11.3	1,633.9	425.4	357.1	68.24	6.233	
11,300.0	11,161.9	11,361.8	11,161.9	30.6	37.8	94.17	11.3	1,633.9	425.4	357.1	68.29	6.229	
11,366.5	11,228.4	11,428.4	11,228.4	30.6	37.8	94.17	11.3	1,633.9	425.4	357.0	68.33	6.226	
11,400.0	11,261.9	11,461.5	11,261.5	30.6	37.8	94.17	11.3	1,633.9	425.4	357.0	68.35	6.223	
11,500.0	11,361.9	11,554.0	11,353.5	30.6	37.9	95.37	2.4	1,634.0	426.2	357.9	68.39	6.233	
11,574.6	11,436.5	11,619.0	11,416.2	30.6	37.9	97.61	-14.4	1,634.1	428.7	360.2	68.42	6.265	
11,600.0	11,461.9	11,640.0	11,436.0	30.7	37.9	-80.98	-21.7	1,634.2	429.9	361.6	68.32	6.293	
11,625.0	11,486.8	11,660.6	11,454.9	30.7	37.9	-79.98	-29.6	1,634.2	431.3	362.9	68.33	6.311	
11,650.0	11,511.6	11,680.9	11,473.3	30.7	37.9	-79.01	-38.2	1,634.3	432.7	364.4	68.35	6.331	
11,675.0	11,536.1	11,700.0	11,490.3	30.7	37.9	-78.11	-47.0	1,634.3	434.2	365.8	68.41	6.348	
11,700.0	11,560.5	11,721.0	11,508.4	30.7	37.9	-77.16	-57.5	1,634.4	435.8	367.4	68.41	6.370	
11,725.0	11,584.4	11,740.7	11,525.1	30.7	37.9	-76.28	-68.0	1,634.5	437.4	369.0	68.45	6.391	
11,750.0	11,608.0	11,760.3	11,541.2	30.7	37.9	-75.44	-79.2	1,634.5	439.1	370.6	68.49	6.410	
11,775.0	11,631.1	11,779.7	11,556.7	30.7	37.9	-74.63	-90.9	1,634.6	440.7	372.2	68.55	6.430	
11,800.0	11,653.6	11,800.0	11,572.4	30.7	37.9	-73.83	-103.7	1,634.7	442.4	373.8	68.58	6.451	
11,825.0	11,675.6	11,818.2	11,586.0	30.7	37.9	-73.13	-115.9	1,634.8	444.0	375.4	68.67	6.466	
11,850.0	11,696.9	11,837.2	11,599.7	30.7	37.9	-72.44	-129.1	1,634.9	445.7	376.9	68.75	6.483	
11,875.0	11,717.5	11,856.2	11,612.8	30.7	37.9	-71.79	-142.8	1,635.0	447.3	378.4	68.83	6.498	
11,900.0	11,737.3	11,875.0	11,625.3	30.7	37.9	-71.18	-156.8	1,635.0	448.8	379.9	68.91	6.512	
11,925.0	11,756.3	11,893.8	11,637.1	30.7	37.9	-70.61	-171.4	1,635.1	450.3	381.3	69.00	6.525	
11,950.0	11,774.4	11,912.4	11,648.4	30.7	37.9	-70.09	-186.3	1,635.2	451.7	382.6	69.10	6.536	
11,975.0	11,791.6	11,931.0	11,659.0	30.7	37.9	-69.60	-201.5	1,635.3	453.0	383.8	69.20	6.545	
12,000.0	11,807.8	11,950.0	11,669.2	30.7	37.9	-69.16	-217.5	1,635.4	454.2	384.9	69.30	6.554	
12,025.0	11,823.0	11,968.0	11,678.2	30.7	37.9	-68.77	-233.1	1,635.5	455.3	385.9	69.42	6.559	
12,050.0	11,837.2	11,986.4	11,686.9	30.7	37.9	-68.42	-249.3	1,635.6	456.3	386.8	69.53	6.563	
12,075.0	11,850.2	12,004.7	11,694.9	30.7	37.9	-68.11	-265.8	1,635.8	457.2	387.6	69.65	6.565	
12,100.0	11,862.1	12,025.0	11,703.0	30.7	37.9	-67.83	-284.4	1,635.9	458.0	388.3	69.73	6.568	
12,125.0	11,872.9	12,041.3	11,709.0	30.8	38.0	-67.63	-299.6	1,636.0	458.7	388.8	69.88	6.563	
12,150.0	11,882.4	12,059.6	11,715.0	30.8	38.0	-67.46	-316.8	1,636.1	459.2	389.2	70.00	6.560	
12,175.0	11,890.7	12,075.0	11,719.6	30.8	38.0	-67.34	-331.5	1,636.2	459.6	389.4	70.16	6.551	
12,200.0	11,897.8	12,096.0	11,725.1	30.8	38.0	-67.24	-351.8	1,636.3	459.8	389.6	70.23	6.547	
12,225.0	11,903.6	12,114.2	11,729.1	30.8	38.0	-67.21	-369.6	1,636.4	459.9	389.6	70.34	6.538	
12,250.0	11,908.2	12,132.4	11,732.5	30.9	38.0	-67.21	-387.5	1,636.5	459.9	389.5	70.45	6.528	
12,275.0	11,911.4	12,150.0	11,735.0	30.9	38.0	-67.26	-404.8	1,636.7	459.8	389.2	70.57	6.515	
12,300.0	11,913.4	12,168.9	11,737.1	30.9	38.0	-67.36	-423.6	1,636.8	459.5	388.8	70.66	6.503	
12,324.6	11,914.0	12,186.8	11,738.4	30.9	38.0	-67.50	-441.5	1,636.9	459.0	388.3	70.76	6.488	
12,370.0	11,914.0	12,223.2	11,739.0	31.0	38.1	-67.57	-477.8	1,637.1	458.7	387.8	70.89	6.470	
12,400.0	11,914.0	12,253.1	11,739.0	31.0	38.1	-67.57	-507.8	1,637.3	458.7	387.8	70.95	6.466	
12,500.0	11,914.0	12,353.1	11,739.0	31.1	38.2	-67.57	-607.8	1,638.0	458.7	387.6	71.15	6.447	
12,600.0	11,914.0	12,453.1	11,739.0	31.3	38.3	-67.57	-707.8	1,638.6	458.7	387.3	71.39	6.426	
12,700.0	11,914.0	12,553.1	11,739.0	31.4	38.5	-67.57	-807.8	1,639.3	458.7	387.1	71.65	6.402	
12,800.0	11,914.0	12,653.1	11,739.0	31.6	38.6	-67.57	-907.8	1,639.9	458.7	386.8	71.95	6.375	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,900.0	11,914.0	12,753.1	11,739.0	31.8	38.8	-67.57	-1,007.8	1,640.6	458.7	386.4	72.28	6.346	
13,000.0	11,914.0	12,853.1	11,739.0	32.1	38.9	-67.57	-1,107.8	1,641.2	458.7	386.1	72.64	6.315	
13,100.0	11,914.0	12,953.1	11,739.0	32.3	39.1	-67.57	-1,207.8	1,641.9	458.7	385.7	73.03	6.281	
13,200.0	11,914.0	13,053.1	11,739.0	32.5	39.3	-67.57	-1,307.8	1,642.5	458.7	385.3	73.44	6.246	
13,300.0	11,914.0	13,153.1	11,739.0	32.8	39.6	-67.57	-1,407.8	1,643.2	458.7	384.8	73.89	6.208	
13,400.0	11,914.0	13,253.1	11,739.0	33.1	39.8	-67.57	-1,507.8	1,643.8	458.7	384.3	74.37	6.168	
13,500.0	11,914.0	13,353.1	11,739.0	33.4	40.0	-67.57	-1,607.8	1,644.5	458.7	383.8	74.87	6.127	
13,600.0	11,914.0	13,453.1	11,739.0	33.7	40.3	-67.57	-1,707.8	1,645.1	458.7	383.3	75.40	6.084	
13,700.0	11,914.0	13,553.1	11,739.0	34.0	40.6	-67.57	-1,807.8	1,645.8	458.7	382.8	75.96	6.039	
13,800.0	11,914.0	13,653.1	11,739.0	34.4	40.9	-67.57	-1,907.8	1,646.4	458.7	382.2	76.54	5.993	
13,900.0	11,914.0	13,753.1	11,739.0	34.7	41.2	-67.57	-2,007.8	1,647.1	458.7	381.6	77.15	5.946	
14,000.0	11,914.0	13,853.1	11,739.0	35.1	41.5	-67.57	-2,107.8	1,647.7	458.7	380.9	77.78	5.898	
14,100.0	11,914.0	13,953.1	11,739.0	35.5	41.8	-67.57	-2,207.8	1,648.4	458.7	380.3	78.44	5.848	
14,200.0	11,914.0	14,053.1	11,739.0	35.9	42.1	-67.57	-2,307.8	1,649.0	458.7	379.6	79.12	5.798	
14,300.0	11,914.0	14,153.1	11,739.0	36.3	42.5	-67.57	-2,407.8	1,649.7	458.7	378.9	79.82	5.747	
14,400.0	11,914.0	14,253.1	11,739.0	36.7	42.8	-67.57	-2,507.8	1,650.3	458.7	378.2	80.55	5.695	
14,500.0	11,914.0	14,353.1	11,739.0	37.1	43.2	-67.57	-2,607.8	1,651.0	458.7	377.4	81.30	5.642	
14,600.0	11,914.0	14,453.1	11,739.0	37.5	43.6	-67.57	-2,707.8	1,651.6	458.7	376.6	82.07	5.590	
14,700.0	11,914.0	14,553.1	11,739.0	38.0	43.9	-67.57	-2,807.8	1,652.3	458.7	375.9	82.86	5.536	
14,800.0	11,914.0	14,653.1	11,739.0	38.4	44.3	-67.57	-2,907.8	1,652.9	458.7	375.0	83.67	5.483	
14,900.0	11,914.0	14,753.1	11,739.0	38.9	44.7	-67.57	-3,007.8	1,653.6	458.7	374.2	84.50	5.429	
15,000.0	11,914.0	14,853.1	11,739.0	39.4	45.1	-67.57	-3,107.7	1,654.2	458.7	373.4	85.34	5.375	
15,100.0	11,914.0	14,953.1	11,739.0	39.9	45.6	-67.57	-3,207.7	1,654.9	458.7	372.5	86.21	5.321	
15,200.0	11,914.0	15,053.1	11,739.0	40.4	46.0	-67.57	-3,307.7	1,655.5	458.7	371.6	87.10	5.267	
15,300.0	11,914.0	15,153.1	11,739.0	40.9	46.4	-67.57	-3,407.7	1,656.2	458.7	370.7	88.00	5.213	
15,400.0	11,914.0	15,253.1	11,739.0	41.4	46.9	-67.57	-3,507.7	1,656.8	458.7	369.8	88.92	5.159	
15,500.0	11,914.0	15,353.1	11,739.0	41.9	47.3	-67.57	-3,607.7	1,657.5	458.7	368.9	89.85	5.105	
15,600.0	11,914.0	15,453.1	11,739.0	42.4	47.8	-67.57	-3,707.7	1,658.1	458.7	367.9	90.80	5.052	
15,700.0	11,914.0	15,553.1	11,739.0	42.9	48.3	-67.57	-3,807.7	1,658.8	458.7	366.9	91.77	4.999	
15,800.0	11,914.0	15,653.1	11,739.0	43.5	48.7	-67.57	-3,907.7	1,659.4	458.7	366.0	92.75	4.946	
15,900.0	11,914.0	15,753.1	11,739.0	44.0	49.2	-67.57	-4,007.7	1,660.1	458.7	365.0	93.74	4.893	
16,000.0	11,914.0	15,853.1	11,739.0	44.6	49.7	-67.57	-4,107.7	1,660.7	458.7	364.0	94.75	4.841	
16,100.0	11,914.0	15,953.1	11,739.0	45.1	50.2	-67.57	-4,207.7	1,661.4	458.7	362.9	95.77	4.790	
16,200.0	11,914.0	16,053.1	11,739.0	45.7	50.7	-67.57	-4,307.7	1,662.0	458.7	361.9	96.81	4.738	
16,300.0	11,914.0	16,153.1	11,739.0	46.2	51.2	-67.57	-4,407.7	1,662.7	458.7	360.9	97.85	4.688	
16,400.0	11,914.0	16,253.1	11,739.0	46.8	51.8	-67.57	-4,507.7	1,663.3	458.7	359.8	98.91	4.637	
16,500.0	11,914.0	16,353.1	11,739.0	47.4	52.3	-67.57	-4,607.7	1,664.0	458.7	358.7	99.99	4.588	
16,600.0	11,914.0	16,453.1	11,739.0	48.0	52.8	-67.57	-4,707.7	1,664.6	458.7	357.6	101.07	4.539	
16,700.0	11,914.0	16,553.1	11,739.0	48.6	53.3	-67.57	-4,807.7	1,665.3	458.7	356.5	102.16	4.490	
16,800.0	11,914.0	16,653.1	11,739.0	49.1	53.9	-67.57	-4,907.7	1,665.9	458.7	355.4	103.27	4.442	
16,900.0	11,914.0	16,753.1	11,739.0	49.7	54.4	-67.57	-5,007.7	1,666.6	458.7	354.3	104.38	4.395	
17,000.0	11,914.0	16,853.1	11,739.0	50.3	55.0	-67.57	-5,107.7	1,667.2	458.7	353.2	105.50	4.348	
17,100.0	11,914.0	16,953.1	11,739.0	50.9	55.5	-67.57	-5,207.7	1,667.9	458.7	352.1	106.64	4.301	
17,200.0	11,914.0	17,053.1	11,739.0	51.6	56.1	-67.57	-5,307.7	1,668.5	458.7	350.9	107.78	4.256	
17,300.0	11,914.0	17,153.1	11,739.0	52.2	56.6	-67.57	-5,407.7	1,669.2	458.7	349.8	108.93	4.211	
17,400.0	11,914.0	17,253.1	11,739.0	52.8	57.2	-67.57	-5,507.7	1,669.8	458.7	348.6	110.10	4.166	
17,500.0	11,914.0	17,353.1	11,739.0	53.4	57.8	-67.57	-5,607.7	1,670.5	458.7	347.4	111.27	4.123	
17,600.0	11,914.0	17,453.1	11,739.0	54.0	58.4	-67.57	-5,707.7	1,671.1	458.7	346.3	112.44	4.079	
17,700.0	11,914.0	17,553.1	11,739.0	54.7	58.9	-67.57	-5,807.7	1,671.8	458.7	345.1	113.63	4.037	
17,800.0	11,914.0	17,653.1	11,739.0	55.3	59.5	-67.57	-5,907.7	1,672.4	458.7	343.9	114.82	3.995	
17,900.0	11,914.0	17,753.1	11,739.0	55.9	60.1	-67.57	-6,007.7	1,673.1	458.7	342.7	116.03	3.953	
18,000.0	11,914.0	17,853.1	11,739.0	56.6	60.7	-67.57	-6,107.7	1,673.7	458.7	341.5	117.23	3.913	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,100.0	11,914.0	17,953.1	11,739.0	57.2	61.3	-67.57	-6,207.7	1,674.4	458.7	340.3	118.45	3.873	
18,200.0	11,914.0	18,053.1	11,739.0	57.9	61.9	-67.57	-6,307.7	1,675.0	458.7	339.0	119.67	3.833	
18,300.0	11,914.0	18,153.1	11,739.0	58.5	62.5	-67.57	-6,407.7	1,675.7	458.7	337.8	120.90	3.794	
18,400.0	11,914.0	18,253.1	11,739.0	59.2	63.1	-67.57	-6,507.7	1,676.3	458.7	336.6	122.14	3.756	
18,500.0	11,914.0	18,353.1	11,739.0	59.8	63.7	-67.57	-6,607.7	1,677.0	458.7	335.3	123.38	3.718	
18,600.0	11,914.0	18,453.1	11,739.0	60.5	64.3	-67.57	-6,707.7	1,677.6	458.7	334.1	124.63	3.681	
18,700.0	11,914.0	18,553.1	11,739.0	61.1	65.0	-67.57	-6,807.7	1,678.3	458.7	332.8	125.88	3.644	
18,800.0	11,914.0	18,653.1	11,739.0	61.8	65.6	-67.57	-6,907.7	1,678.9	458.7	331.6	127.14	3.608	
18,900.0	11,914.0	18,753.1	11,739.0	62.4	66.2	-67.57	-7,007.7	1,679.6	458.7	330.3	128.40	3.572	
19,000.0	11,914.0	18,853.1	11,739.0	63.1	66.8	-67.57	-7,107.7	1,680.2	458.7	329.0	129.67	3.537	
19,100.0	11,914.0	18,953.1	11,739.0	63.8	67.5	-67.57	-7,207.7	1,680.9	458.7	327.8	130.95	3.503	
19,200.0	11,914.0	19,053.1	11,739.0	64.4	68.1	-67.57	-7,307.7	1,681.5	458.7	326.5	132.23	3.469	
19,300.0	11,914.0	19,153.1	11,739.0	65.1	68.7	-67.57	-7,407.7	1,682.2	458.7	325.2	133.51	3.436	
19,400.0	11,914.0	19,253.1	11,739.0	65.8	69.4	-67.57	-7,507.7	1,682.8	458.7	323.9	134.80	3.403	
19,500.0	11,914.0	19,353.1	11,739.0	66.5	70.0	-67.57	-7,607.7	1,683.5	458.7	322.6	136.10	3.370	
19,600.0	11,914.0	19,453.1	11,739.0	67.1	70.6	-67.57	-7,707.7	1,684.1	458.7	321.3	137.40	3.338	
19,700.0	11,914.0	19,553.1	11,739.0	67.8	71.3	-67.57	-7,807.6	1,684.8	458.7	320.0	138.70	3.307	
19,800.0	11,914.0	19,653.1	11,739.0	68.5	71.9	-67.57	-7,907.6	1,685.4	458.7	318.7	140.01	3.276	
19,900.0	11,914.0	19,753.1	11,739.0	69.2	72.6	-67.57	-8,007.6	1,686.1	458.7	317.4	141.32	3.246	
20,000.0	11,914.0	19,853.1	11,739.0	69.9	73.2	-67.57	-8,107.6	1,686.7	458.7	316.1	142.64	3.216	
20,100.0	11,914.0	19,953.1	11,739.0	70.5	73.9	-67.57	-8,207.6	1,687.4	458.7	314.7	143.96	3.186	
20,200.0	11,914.0	20,053.1	11,739.0	71.2	74.5	-67.57	-8,307.6	1,688.0	458.7	313.4	145.28	3.157	
20,300.0	11,914.0	20,153.1	11,739.0	71.9	75.2	-67.57	-8,407.6	1,688.7	458.7	312.1	146.61	3.129	
20,400.0	11,914.0	20,253.1	11,739.0	72.6	75.9	-67.57	-8,507.6	1,689.3	458.7	310.8	147.94	3.101	
20,500.0	11,914.0	20,353.1	11,739.0	73.3	76.5	-67.57	-8,607.6	1,690.0	458.7	309.4	149.27	3.073	
20,600.0	11,914.0	20,453.1	11,739.0	74.0	77.2	-67.57	-8,707.6	1,690.6	458.7	308.1	150.61	3.046	
20,700.0	11,914.0	20,553.1	11,739.0	74.7	77.8	-67.57	-8,807.6	1,691.3	458.7	306.7	151.95	3.019	
20,800.0	11,914.0	20,653.1	11,739.0	75.4	78.5	-67.57	-8,907.6	1,691.9	458.7	305.4	153.29	2.992	
20,900.0	11,914.0	20,753.1	11,739.0	76.1	79.2	-67.57	-9,007.6	1,692.6	458.7	304.1	154.64	2.966	
21,000.0	11,914.0	20,853.1	11,739.0	76.8	79.8	-67.57	-9,107.6	1,693.2	458.7	302.7	155.99	2.941	
21,100.0	11,914.0	20,953.1	11,739.0	77.5	80.5	-67.57	-9,207.6	1,693.9	458.7	301.3	157.35	2.915	
21,200.0	11,914.0	21,053.1	11,739.0	78.2	81.2	-67.57	-9,307.6	1,694.5	458.7	300.0	158.70	2.890	
21,300.0	11,914.0	21,153.1	11,739.0	78.9	81.9	-67.57	-9,407.6	1,695.2	458.7	298.6	160.06	2.866	
21,400.0	11,914.0	21,253.1	11,739.0	79.6	82.5	-67.57	-9,507.6	1,695.8	458.7	297.3	161.42	2.842	
21,500.0	11,914.0	21,353.1	11,739.0	80.3	83.2	-67.57	-9,607.6	1,696.5	458.7	295.9	162.79	2.818	
21,600.0	11,914.0	21,453.1	11,739.0	81.0	83.9	-67.57	-9,707.6	1,697.1	458.7	294.5	164.15	2.794	
21,700.0	11,914.0	21,553.1	11,739.0	81.7	84.6	-67.57	-9,807.6	1,697.8	458.7	293.2	165.52	2.771	
21,800.0	11,914.0	21,653.1	11,739.0	82.4	85.3	-67.57	-9,907.6	1,698.4	458.7	291.8	166.90	2.748	
21,844.3	11,914.0	21,697.4	11,739.0	82.7	85.6	-67.57	-9,951.9	1,698.7	458.7	291.2	167.50	2.738	
21,894.3	11,914.0	21,747.4	11,739.0	83.1	85.9	-67.57	-10,001.9	1,699.1	458.7	290.5	168.19	2.727	

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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 @ 3176.0usft

Offset Depths are relative to Offset Datum

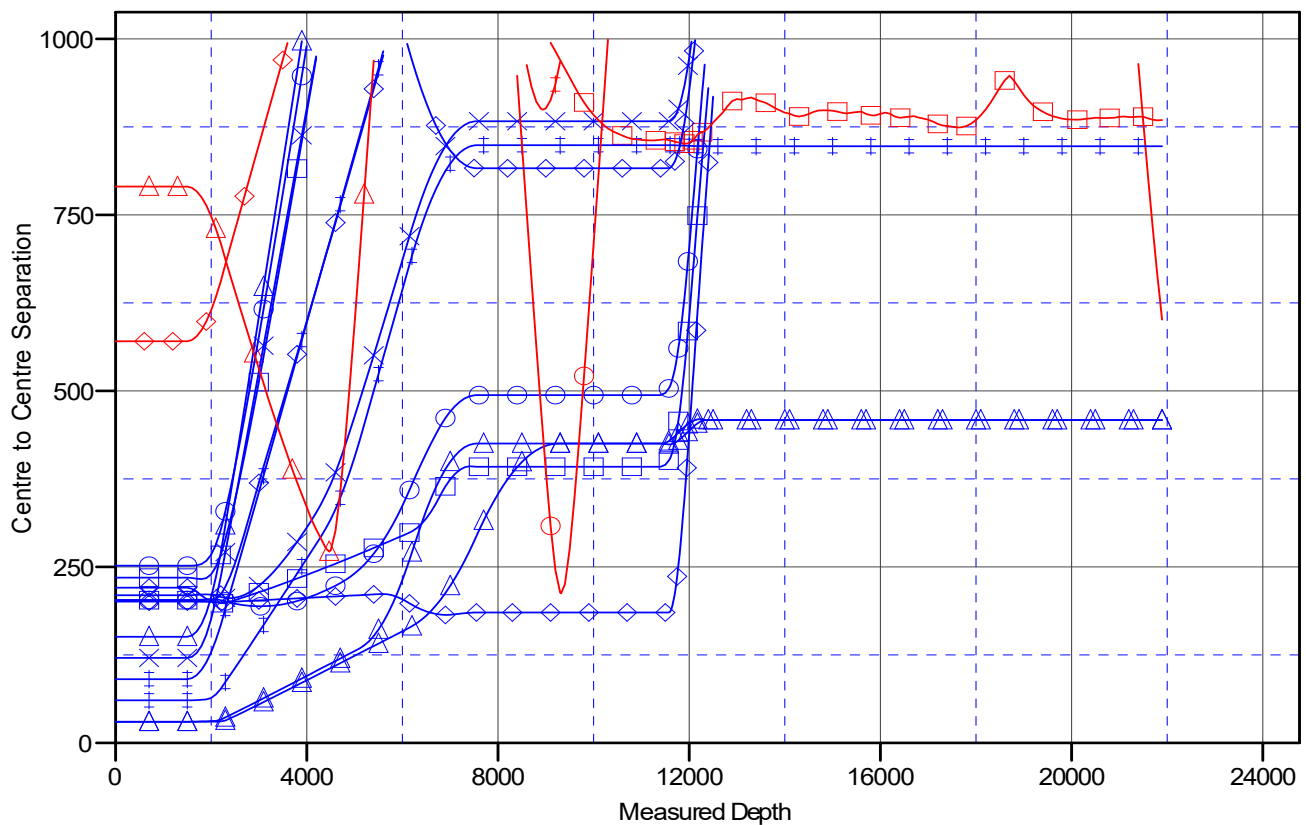
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #756H

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

- ODELL STATE 54-1-6 LOV #2H, OWB, AWP V0 - ZIA HILLS UNIT 2032 WC #756H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #756H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #756H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #756H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #756H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #756H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #756H, OWB, PWP0 V0	- ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #752H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #708H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #702H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #701H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0 - ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	- BUCK 20 FEDERAL #3H (P&A), OWB, AWP V0 - ZIA HILLS 20 FEDERAL COM#105H, OWB, AWP V0 - RUSSELL FEDERAL #12, OWB, AWP V0 - BUCK 20 FEDERAL #6H (P&A), OWB, AWP V0 - ZIA HILLS 20 FEDERAL COM#101H, OWB, PWP2 V0 - RUSSELL FEDERAL #6 (P&A), OWB, AWP V0
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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 #756H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3176.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3176.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #756H	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 @ 3176.0usft

Offset Depths are relative to Offset Datum

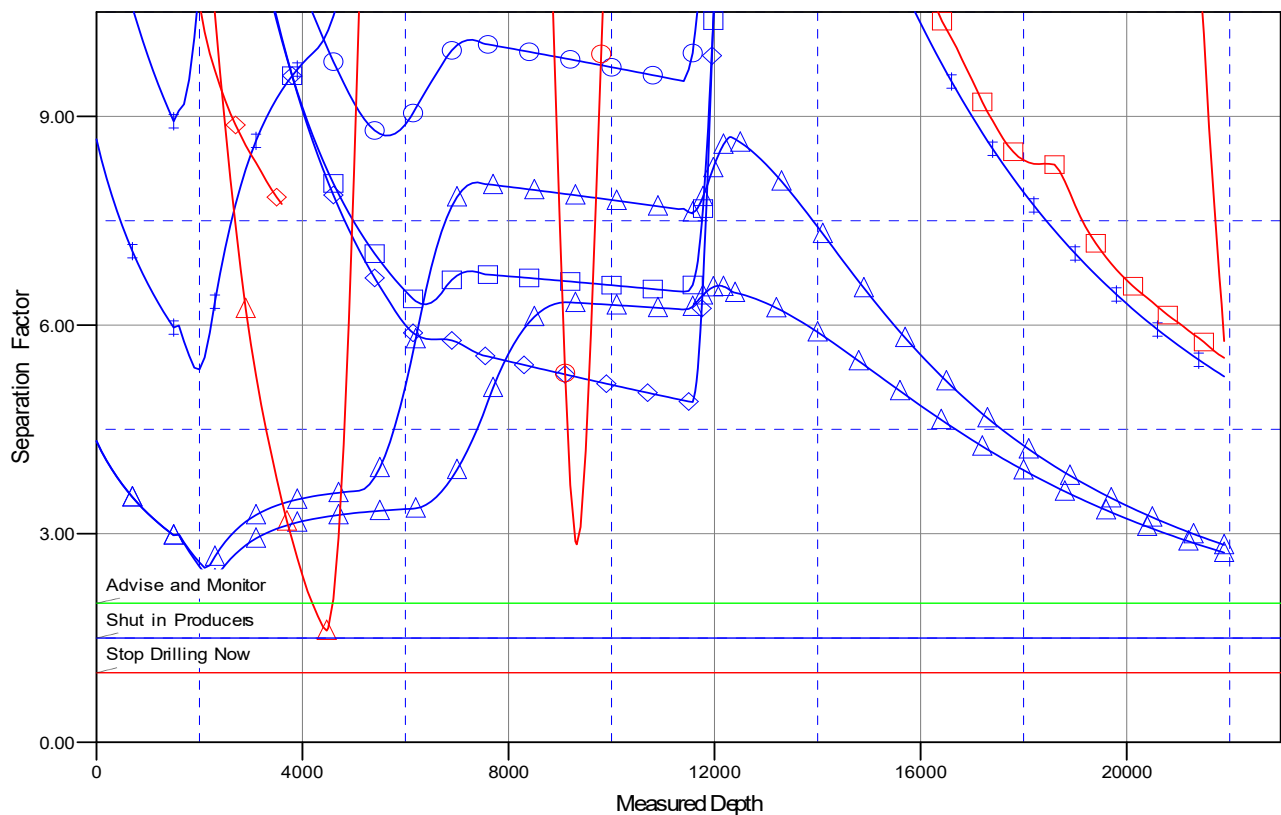
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #756H

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

Grid Convergence at Surface is: 0.33°

Separation Factor Plot



LEGEND

ODELL STATE 54-1-6 LOV #2H, OWB, AWP V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0	BUCK 20 FEDERAL #3H (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #75H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #752H, OWB, PWP0 V0	ZIA HILLS 20 FEDERAL COM#105H, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #753H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #706H, OWB, PWP0 V0	RUSSELL FEDERAL #12, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #702H, OWB, PWP0 V0	BUCK 20 FEDERAL #6H (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #755H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #701H, OWB, PWP0 V0	ZIA HILLS 20 FEDERAL COM#101H, OWB, PWP2 V0
ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	RUSSELL FEDERAL #6 (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #705H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #751H, OWB, PWP0 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 #756H

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 #756H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3176.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3176.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #756H	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 #756H		
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' 39.909 N
		Longitude:	103° 42' 8.597 W
		Ground Level:	3,176.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	12/31/2023	6.33	59.53	47,264.76369768

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	172.74	

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	11,574.6 PWP0 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,574.6	21,894.3 PWP0 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3176.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3176.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,200.0	14.00	88.00	2,193.1	3.0	85.0	2.00	2.00	0.00	88.00	
6,148.2	14.00	88.00	6,024.0	36.3	1,039.6	0.00	0.00	0.00	0.00	
7,548.2	0.00	0.00	7,410.1	42.2	1,209.7	1.00	-1.00	0.00	180.00	
11,574.6	0.00	0.00	11,436.5	42.2	1,209.7	0.00	0.00	0.00	0.00	
12,324.6	90.00	179.63	11,914.0	-435.2	1,212.8	12.00	12.00	23.95	179.63	
21,844.3	90.00	179.63	11,914.0	-9,954.6	1,274.7	0.00	0.00	0.00	0.00	
21,894.3	90.00	179.63	11,914.0	-10,004.6	1,275.1	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3176.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3176.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	88.00	1,600.0	0.1	1.7	0.2	2.00	2.00	0.00
1,700.0	4.00	88.00	1,699.8	0.2	7.0	0.6	2.00	2.00	0.00
1,800.0	6.00	88.00	1,799.5	0.5	15.7	1.4	2.00	2.00	0.00
1,900.0	8.00	88.00	1,898.7	1.0	27.9	2.6	2.00	2.00	0.00
2,000.0	10.00	88.00	1,997.5	1.5	43.5	4.0	2.00	2.00	0.00
2,100.0	12.00	88.00	2,095.6	2.2	62.6	5.7	2.00	2.00	0.00
2,200.0	14.00	88.00	2,193.1	3.0	85.0	7.8	2.00	2.00	0.00
Start 3948.2 hold at 2200.0 MD									
2,300.0	14.00	88.00	2,290.1	3.8	109.2	10.0	0.00	0.00	0.00
2,400.0	14.00	88.00	2,387.1	4.7	133.4	12.2	0.00	0.00	0.00
2,500.0	14.00	88.00	2,484.1	5.5	157.6	14.5	0.00	0.00	0.00
2,600.0	14.00	88.00	2,581.2	6.3	181.8	16.7	0.00	0.00	0.00
2,700.0	14.00	88.00	2,678.2	7.2	205.9	18.9	0.00	0.00	0.00
2,800.0	14.00	88.00	2,775.2	8.0	230.1	21.1	0.00	0.00	0.00
2,900.0	14.00	88.00	2,872.3	8.9	254.3	23.3	0.00	0.00	0.00
3,000.0	14.00	88.00	2,969.3	9.7	278.5	25.6	0.00	0.00	0.00
3,100.0	14.00	88.00	3,066.3	10.6	302.6	27.8	0.00	0.00	0.00
3,200.0	14.00	88.00	3,163.4	11.4	326.8	30.0	0.00	0.00	0.00
3,300.0	14.00	88.00	3,260.4	12.3	351.0	32.2	0.00	0.00	0.00
3,400.0	14.00	88.00	3,357.4	13.1	375.2	34.4	0.00	0.00	0.00
3,500.0	14.00	88.00	3,454.4	13.9	399.4	36.7	0.00	0.00	0.00
3,600.0	14.00	88.00	3,551.5	14.8	423.5	38.9	0.00	0.00	0.00
3,700.0	14.00	88.00	3,648.5	15.6	447.7	41.1	0.00	0.00	0.00
3,800.0	14.00	88.00	3,745.5	16.5	471.9	43.3	0.00	0.00	0.00
3,900.0	14.00	88.00	3,842.6	17.3	496.1	45.5	0.00	0.00	0.00
4,000.0	14.00	88.00	3,939.6	18.2	520.2	47.7	0.00	0.00	0.00
4,100.0	14.00	88.00	4,036.6	19.0	544.4	50.0	0.00	0.00	0.00
4,200.0	14.00	88.00	4,133.6	19.9	568.6	52.2	0.00	0.00	0.00
4,300.0	14.00	88.00	4,230.7	20.7	592.8	54.4	0.00	0.00	0.00
4,400.0	14.00	88.00	4,327.7	21.5	616.9	56.6	0.00	0.00	0.00
4,500.0	14.00	88.00	4,424.7	22.4	641.1	58.8	0.00	0.00	0.00
4,600.0	14.00	88.00	4,521.8	23.2	665.3	61.1	0.00	0.00	0.00
4,700.0	14.00	88.00	4,618.8	24.1	689.5	63.3	0.00	0.00	0.00
4,800.0	14.00	88.00	4,715.8	24.9	713.7	65.5	0.00	0.00	0.00
4,900.0	14.00	88.00	4,812.9	25.8	737.8	67.7	0.00	0.00	0.00
5,000.0	14.00	88.00	4,909.9	26.6	762.0	69.9	0.00	0.00	0.00
5,100.0	14.00	88.00	5,006.9	27.5	786.2	72.2	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 #756H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3176.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3176.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #756H	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)	
5,200.0	14.00	88.00	5,103.9	28.3	810.4	74.4	0.00	0.00	0.00	
5,300.0	14.00	88.00	5,201.0	29.1	834.5	76.6	0.00	0.00	0.00	
5,400.0	14.00	88.00	5,298.0	30.0	858.7	78.8	0.00	0.00	0.00	
5,500.0	14.00	88.00	5,395.0	30.8	882.9	81.0	0.00	0.00	0.00	
5,600.0	14.00	88.00	5,492.1	31.7	907.1	83.3	0.00	0.00	0.00	
5,700.0	14.00	88.00	5,589.1	32.5	931.3	85.5	0.00	0.00	0.00	
5,800.0	14.00	88.00	5,686.1	33.4	955.4	87.7	0.00	0.00	0.00	
5,900.0	14.00	88.00	5,783.1	34.2	979.6	89.9	0.00	0.00	0.00	
6,000.0	14.00	88.00	5,880.2	35.1	1,003.8	92.1	0.00	0.00	0.00	
6,100.0	14.00	88.00	5,977.2	35.9	1,028.0	94.3	0.00	0.00	0.00	
6,148.2	14.00	88.00	6,024.0	36.3	1,039.6	95.4	0.00	0.00	0.00	
Start Drop -1.00										
6,200.0	13.48	88.00	6,074.3	36.7	1,051.9	96.5	1.00	-1.00	0.00	
6,300.0	12.48	88.00	6,171.7	37.5	1,074.4	98.6	1.00	-1.00	0.00	
6,400.0	11.48	88.00	6,269.6	38.2	1,095.1	100.5	1.00	-1.00	0.00	
6,500.0	10.48	88.00	6,367.7	38.9	1,114.2	102.3	1.00	-1.00	0.00	
6,600.0	9.48	88.00	6,466.2	39.5	1,131.5	103.8	1.00	-1.00	0.00	
6,700.0	8.48	88.00	6,565.0	40.1	1,147.1	105.3	1.00	-1.00	0.00	
6,800.0	7.48	88.00	6,664.0	40.5	1,161.0	106.6	1.00	-1.00	0.00	
6,900.0	6.48	88.00	6,763.3	41.0	1,173.1	107.7	1.00	-1.00	0.00	
7,000.0	5.48	88.00	6,862.7	41.3	1,183.5	108.6	1.00	-1.00	0.00	
7,100.0	4.48	88.00	6,962.3	41.6	1,192.2	109.4	1.00	-1.00	0.00	
7,200.0	3.48	88.00	7,062.1	41.9	1,199.1	110.1	1.00	-1.00	0.00	
7,300.0	2.48	88.00	7,162.0	42.1	1,204.3	110.5	1.00	-1.00	0.00	
7,400.0	1.48	88.00	7,261.9	42.2	1,207.8	110.9	1.00	-1.00	0.00	
7,500.0	0.48	88.00	7,361.9	42.2	1,209.5	111.0	1.00	-1.00	0.00	
7,548.2	0.00	0.00	7,410.1	42.2	1,209.7	111.0	1.00	-1.00	0.00	
Start 4026.4 hold at 7548.2 MD										
7,600.0	0.00	0.00	7,461.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,561.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,661.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,761.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,861.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,961.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,061.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,161.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,261.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,361.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,461.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,561.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,661.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,761.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,861.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,961.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,061.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,161.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,261.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,361.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,461.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,561.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,661.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,761.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,861.9	42.2	1,209.7	111.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	9,961.9	42.2	1,209.7	111.0	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 #756H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3176.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3176.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #756H	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)
10,200.0	0.00	0.00	10,061.9	42.2	1,209.7	111.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,161.9	42.2	1,209.7	111.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,261.9	42.2	1,209.7	111.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,361.9	42.2	1,209.7	111.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,461.9	42.2	1,209.7	111.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,561.9	42.2	1,209.7	111.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,661.9	42.2	1,209.7	111.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,761.9	42.2	1,209.7	111.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,861.9	42.2	1,209.7	111.0	0.00	0.00	0.00
11,100.0	0.00	0.00	10,961.9	42.2	1,209.7	111.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,061.9	42.2	1,209.7	111.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,161.9	42.2	1,209.7	111.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,261.9	42.2	1,209.7	111.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,361.9	42.2	1,209.7	111.0	0.00	0.00	0.00
11,574.6	0.00	0.00	11,436.5	42.2	1,209.7	111.0	0.00	0.00	0.00
Start DLS 12.00 TFO 179.63									
11,600.0	3.04	179.63	11,461.9	41.6	1,209.7	111.7	12.00	12.00	0.00
11,625.0	6.04	179.63	11,486.8	39.6	1,209.7	113.7	12.00	12.00	0.00
11,650.0	9.04	179.63	11,511.6	36.3	1,209.8	116.9	12.00	12.00	0.00
11,675.0	12.04	179.63	11,536.1	31.7	1,209.8	121.5	12.00	12.00	0.00
11,700.0	15.04	179.63	11,560.5	25.9	1,209.8	127.3	12.00	12.00	0.00
11,725.0	18.04	179.63	11,584.4	18.8	1,209.9	134.3	12.00	12.00	0.00
11,750.0	21.04	179.63	11,608.0	10.4	1,209.9	142.6	12.00	12.00	0.00
11,775.0	24.04	179.63	11,631.1	0.8	1,210.0	152.2	12.00	12.00	0.00
11,800.0	27.04	179.63	11,653.6	-10.0	1,210.1	162.9	12.00	12.00	0.00
11,825.0	30.04	179.63	11,675.6	-21.9	1,210.1	174.7	12.00	12.00	0.00
11,850.0	33.04	179.63	11,696.9	-35.0	1,210.2	187.7	12.00	12.00	0.00
11,875.0	36.04	179.63	11,717.5	-49.1	1,210.3	201.8	12.00	12.00	0.00
11,900.0	39.04	179.63	11,737.3	-64.4	1,210.4	216.9	12.00	12.00	0.00
11,925.0	42.04	179.63	11,756.3	-80.6	1,210.5	233.0	12.00	12.00	0.00
11,950.0	45.04	179.63	11,774.4	-97.8	1,210.6	250.1	12.00	12.00	0.00
11,975.0	48.04	179.63	11,791.6	-116.0	1,210.7	268.1	12.00	12.00	0.00
12,000.0	51.04	179.63	11,807.8	-135.0	1,210.9	287.0	12.00	12.00	0.00
12,025.0	54.04	179.63	11,823.0	-154.9	1,211.0	306.7	12.00	12.00	0.00
12,050.0	57.04	179.63	11,837.2	-175.5	1,211.1	327.2	12.00	12.00	0.00
12,075.0	60.04	179.63	11,850.2	-196.8	1,211.3	348.3	12.00	12.00	0.00
12,100.0	63.04	179.63	11,862.1	-218.8	1,211.4	370.2	12.00	12.00	0.00
12,125.0	66.04	179.63	11,872.9	-241.3	1,211.6	392.6	12.00	12.00	0.00
12,150.0	69.04	179.63	11,882.4	-264.4	1,211.7	415.5	12.00	12.00	0.00
12,175.0	72.04	179.63	11,890.7	-288.0	1,211.9	438.9	12.00	12.00	0.00
12,200.0	75.04	179.63	11,897.8	-312.0	1,212.0	462.7	12.00	12.00	0.00
12,225.0	78.04	179.63	11,903.6	-336.3	1,212.2	486.8	12.00	12.00	0.00
12,250.0	81.04	179.63	11,908.2	-360.9	1,212.3	511.2	12.00	12.00	0.00
12,275.0	84.04	179.63	11,911.4	-385.7	1,212.5	535.8	12.00	12.00	0.00
12,300.0	87.04	179.63	11,913.4	-410.6	1,212.7	560.6	12.00	12.00	0.00
12,324.6	90.00	179.63	11,914.0	-435.2	1,212.8	585.0	12.00	12.00	0.00
Start 9519.6 hold at 12324.6 MD									
12,400.0	90.00	179.63	11,914.0	-510.6	1,213.3	659.9	0.00	0.00	0.00
12,500.0	90.00	179.63	11,914.0	-610.6	1,214.0	759.1	0.00	0.00	0.00
12,600.0	90.00	179.63	11,914.0	-710.6	1,214.6	858.4	0.00	0.00	0.00
12,700.0	90.00	179.63	11,914.0	-810.6	1,215.3	957.7	0.00	0.00	0.00
12,800.0	90.00	179.63	11,914.0	-910.6	1,215.9	1,057.0	0.00	0.00	0.00
12,900.0	90.00	179.63	11,914.0	-1,010.5	1,216.6	1,156.2	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 #756H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3176.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3176.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.0	90.00	179.63	11,914.0	-1,110.5	1,217.2	1,255.5	0.00	0.00	0.00
13,100.0	90.00	179.63	11,914.0	-1,210.5	1,217.9	1,354.8	0.00	0.00	0.00
13,200.0	90.00	179.63	11,914.0	-1,310.5	1,218.5	1,454.1	0.00	0.00	0.00
13,300.0	90.00	179.63	11,914.0	-1,410.5	1,219.2	1,553.4	0.00	0.00	0.00
13,400.0	90.00	179.63	11,914.0	-1,510.5	1,219.8	1,652.6	0.00	0.00	0.00
13,500.0	90.00	179.63	11,914.0	-1,610.5	1,220.5	1,751.9	0.00	0.00	0.00
13,600.0	90.00	179.63	11,914.0	-1,710.5	1,221.1	1,851.2	0.00	0.00	0.00
13,700.0	90.00	179.63	11,914.0	-1,810.5	1,221.8	1,950.5	0.00	0.00	0.00
13,800.0	90.00	179.63	11,914.0	-1,910.5	1,222.4	2,049.7	0.00	0.00	0.00
13,900.0	90.00	179.63	11,914.0	-2,010.5	1,223.1	2,149.0	0.00	0.00	0.00
14,000.0	90.00	179.63	11,914.0	-2,110.5	1,223.7	2,248.3	0.00	0.00	0.00
14,100.0	90.00	179.63	11,914.0	-2,210.5	1,224.4	2,347.6	0.00	0.00	0.00
14,200.0	90.00	179.63	11,914.0	-2,310.5	1,225.0	2,446.9	0.00	0.00	0.00
14,300.0	90.00	179.63	11,914.0	-2,410.5	1,225.7	2,546.1	0.00	0.00	0.00
14,400.0	90.00	179.63	11,914.0	-2,510.5	1,226.3	2,645.4	0.00	0.00	0.00
14,500.0	90.00	179.63	11,914.0	-2,610.5	1,227.0	2,744.7	0.00	0.00	0.00
14,600.0	90.00	179.63	11,914.0	-2,710.5	1,227.6	2,844.0	0.00	0.00	0.00
14,700.0	90.00	179.63	11,914.0	-2,810.5	1,228.3	2,943.2	0.00	0.00	0.00
14,800.0	90.00	179.63	11,914.0	-2,910.5	1,228.9	3,042.5	0.00	0.00	0.00
14,900.0	90.00	179.63	11,914.0	-3,010.5	1,229.6	3,141.8	0.00	0.00	0.00
15,000.0	90.00	179.63	11,914.0	-3,110.5	1,230.2	3,241.1	0.00	0.00	0.00
15,100.0	90.00	179.63	11,914.0	-3,210.5	1,230.9	3,340.4	0.00	0.00	0.00
15,200.0	90.00	179.63	11,914.0	-3,310.5	1,231.5	3,439.6	0.00	0.00	0.00
15,300.0	90.00	179.63	11,914.0	-3,410.5	1,232.2	3,538.9	0.00	0.00	0.00
15,400.0	90.00	179.63	11,914.0	-3,510.5	1,232.8	3,638.2	0.00	0.00	0.00
15,500.0	90.00	179.63	11,914.0	-3,610.5	1,233.5	3,737.5	0.00	0.00	0.00
15,600.0	90.00	179.63	11,914.0	-3,710.5	1,234.1	3,836.7	0.00	0.00	0.00
15,700.0	90.00	179.63	11,914.0	-3,810.5	1,234.8	3,936.0	0.00	0.00	0.00
15,800.0	90.00	179.63	11,914.0	-3,910.5	1,235.4	4,035.3	0.00	0.00	0.00
15,900.0	90.00	179.63	11,914.0	-4,010.5	1,236.1	4,134.6	0.00	0.00	0.00
16,000.0	90.00	179.63	11,914.0	-4,110.5	1,236.7	4,233.9	0.00	0.00	0.00
16,100.0	90.00	179.63	11,914.0	-4,210.5	1,237.4	4,333.1	0.00	0.00	0.00
16,200.0	90.00	179.63	11,914.0	-4,310.5	1,238.0	4,432.4	0.00	0.00	0.00
16,300.0	90.00	179.63	11,914.0	-4,410.5	1,238.7	4,531.7	0.00	0.00	0.00
16,400.0	90.00	179.63	11,914.0	-4,510.5	1,239.3	4,631.0	0.00	0.00	0.00
16,500.0	90.00	179.63	11,914.0	-4,610.5	1,240.0	4,730.2	0.00	0.00	0.00
16,600.0	90.00	179.63	11,914.0	-4,710.5	1,240.6	4,829.5	0.00	0.00	0.00
16,700.0	90.00	179.63	11,914.0	-4,810.5	1,241.3	4,928.8	0.00	0.00	0.00
16,800.0	90.00	179.63	11,914.0	-4,910.5	1,241.9	5,028.1	0.00	0.00	0.00
16,900.0	90.00	179.63	11,914.0	-5,010.5	1,242.6	5,127.4	0.00	0.00	0.00
17,000.0	90.00	179.63	11,914.0	-5,110.5	1,243.2	5,226.6	0.00	0.00	0.00
17,100.0	90.00	179.63	11,914.0	-5,210.5	1,243.9	5,325.9	0.00	0.00	0.00
17,200.0	90.00	179.63	11,914.0	-5,310.5	1,244.5	5,425.2	0.00	0.00	0.00
17,300.0	90.00	179.63	11,914.0	-5,410.5	1,245.2	5,524.5	0.00	0.00	0.00
17,400.0	90.00	179.63	11,914.0	-5,510.5	1,245.8	5,623.7	0.00	0.00	0.00
17,500.0	90.00	179.63	11,914.0	-5,610.5	1,246.5	5,723.0	0.00	0.00	0.00
17,600.0	90.00	179.63	11,914.0	-5,710.5	1,247.1	5,822.3	0.00	0.00	0.00
17,700.0	90.00	179.63	11,914.0	-5,810.4	1,247.8	5,921.6	0.00	0.00	0.00
17,800.0	90.00	179.63	11,914.0	-5,910.4	1,248.4	6,020.9	0.00	0.00	0.00
17,900.0	90.00	179.63	11,914.0	-6,010.4	1,249.1	6,120.1	0.00	0.00	0.00
18,000.0	90.00	179.63	11,914.0	-6,110.4	1,249.7	6,219.4	0.00	0.00	0.00
18,100.0	90.00	179.63	11,914.0	-6,210.4	1,250.4	6,318.7	0.00	0.00	0.00
18,200.0	90.00	179.63	11,914.0	-6,310.4	1,251.0	6,418.0	0.00	0.00	0.00
18,300.0	90.00	179.63	11,914.0	-6,410.4	1,251.7	6,517.2	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 #756H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3176.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3176.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,400.0	90.00	179.63	11,914.0	-6,510.4	1,252.3	6,616.5	0.00	0.00	0.00
18,500.0	90.00	179.63	11,914.0	-6,610.4	1,253.0	6,715.8	0.00	0.00	0.00
18,600.0	90.00	179.63	11,914.0	-6,710.4	1,253.6	6,815.1	0.00	0.00	0.00
18,700.0	90.00	179.63	11,914.0	-6,810.4	1,254.3	6,914.4	0.00	0.00	0.00
18,800.0	90.00	179.63	11,914.0	-6,910.4	1,254.9	7,013.6	0.00	0.00	0.00
18,900.0	90.00	179.63	11,914.0	-7,010.4	1,255.6	7,112.9	0.00	0.00	0.00
19,000.0	90.00	179.63	11,914.0	-7,110.4	1,256.2	7,212.2	0.00	0.00	0.00
19,100.0	90.00	179.63	11,914.0	-7,210.4	1,256.9	7,311.5	0.00	0.00	0.00
19,200.0	90.00	179.63	11,914.0	-7,310.4	1,257.5	7,410.7	0.00	0.00	0.00
19,300.0	90.00	179.63	11,914.0	-7,410.4	1,258.2	7,510.0	0.00	0.00	0.00
19,400.0	90.00	179.63	11,914.0	-7,510.4	1,258.8	7,609.3	0.00	0.00	0.00
19,500.0	90.00	179.63	11,914.0	-7,610.4	1,259.5	7,708.6	0.00	0.00	0.00
19,600.0	90.00	179.63	11,914.0	-7,710.4	1,260.1	7,807.9	0.00	0.00	0.00
19,700.0	90.00	179.63	11,914.0	-7,810.4	1,260.8	7,907.1	0.00	0.00	0.00
19,800.0	90.00	179.63	11,914.0	-7,910.4	1,261.4	8,006.4	0.00	0.00	0.00
19,900.0	90.00	179.63	11,914.0	-8,010.4	1,262.1	8,105.7	0.00	0.00	0.00
20,000.0	90.00	179.63	11,914.0	-8,110.4	1,262.7	8,205.0	0.00	0.00	0.00
20,100.0	90.00	179.63	11,914.0	-8,210.4	1,263.4	8,304.2	0.00	0.00	0.00
20,200.0	90.00	179.63	11,914.0	-8,310.4	1,264.0	8,403.5	0.00	0.00	0.00
20,300.0	90.00	179.63	11,914.0	-8,410.4	1,264.7	8,502.8	0.00	0.00	0.00
20,400.0	90.00	179.63	11,914.0	-8,510.4	1,265.3	8,602.1	0.00	0.00	0.00
20,500.0	90.00	179.63	11,914.0	-8,610.4	1,266.0	8,701.4	0.00	0.00	0.00
20,600.0	90.00	179.63	11,914.0	-8,710.4	1,266.6	8,800.6	0.00	0.00	0.00
20,700.0	90.00	179.63	11,914.0	-8,810.4	1,267.3	8,899.9	0.00	0.00	0.00
20,800.0	90.00	179.63	11,914.0	-8,910.4	1,267.9	8,999.2	0.00	0.00	0.00
20,900.0	90.00	179.63	11,914.0	-9,010.4	1,268.6	9,098.5	0.00	0.00	0.00
21,000.0	90.00	179.63	11,914.0	-9,110.4	1,269.2	9,197.7	0.00	0.00	0.00
21,100.0	90.00	179.63	11,914.0	-9,210.4	1,269.9	9,297.0	0.00	0.00	0.00
21,200.0	90.00	179.63	11,914.0	-9,310.4	1,270.5	9,396.3	0.00	0.00	0.00
21,300.0	90.00	179.63	11,914.0	-9,410.4	1,271.2	9,495.6	0.00	0.00	0.00
21,400.0	90.00	179.63	11,914.0	-9,510.4	1,271.9	9,594.9	0.00	0.00	0.00
21,500.0	90.00	179.63	11,914.0	-9,610.4	1,272.5	9,694.1	0.00	0.00	0.00
21,600.0	90.00	179.63	11,914.0	-9,710.4	1,273.2	9,793.4	0.00	0.00	0.00
21,700.0	90.00	179.63	11,914.0	-9,810.4	1,273.8	9,892.7	0.00	0.00	0.00
21,800.0	90.00	179.63	11,914.0	-9,910.4	1,274.5	9,992.0	0.00	0.00	0.00
21,844.3	90.00	179.63	11,914.0	-9,954.6	1,274.7	10,035.9	0.00	0.00	0.00
Start 50.0 hold at 21844.3 MD									
21,894.3	90.00	179.63	11,914.0	-10,004.6	1,275.1	10,085.6	0.00	0.00	0.00
TD at 21894.3									

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #756H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3176.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3176.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #756H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
PBHL (ZHU 2032 WC #756H) - plan hits target center - Rectangle (sides W100.0 H10,071.0 D20.0)	0.00	359.63	11,914.0	-10,004.6	1,275.0	364,388.91	696,807.55	32° 0' 0.828 N	103° 41' 54.469 W
LTP (ZHU 2032 WC #756H) - plan hits target center - Point	0.00	0.00	11,914.0	-9,954.6	1,274.7	364,438.91	696,807.26	32° 0' 1.323 N	103° 41' 54.469 W
FTP (ZHU 2032 WC #756H) - plan misses target center by 214.7usft at 11938.4usft MD (11766.1 TVD, -89.7 N, 1210.6 E) - Circle (radius 50.0)	0.00	0.00	11,914.0	65.9	1,209.6	374,459.47	696,742.12	32° 1' 40.492 N	103° 41' 54.542 W

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	
11,574.6	11,436.5	DB INT 7-5/8"	7-5/8	9-7/8	
21,894.3	11,914.0	DB PROD 5 1/2"	5-1/2	6-3/4	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
2,200.0	2,193.1	3.0	85.0	Start 3948.2 hold at 2200.0 MD	
6,148.2	6,024.0	36.3	1,039.6	Start Drop -1.00	
7,548.2	7,410.1	42.2	1,209.7	Start 4026.4 hold at 7548.2 MD	
11,574.6	11,436.5	42.2	1,209.7	Start DLS 12.00 TFO 179.63	
12,324.6	11,914.0	-435.2	1,212.8	Start 9519.6 hold at 12324.6 MD	
21,844.3	11,914.0	-9,954.6	1,274.7	Start 50.0 hold at 21844.3 MD	
21,894.3	11,914.0	-10,004.6	1,275.1	TD at 21894.3	

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 315661

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 315661
	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