

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. 30-025-52542
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 / 2581 FSL / 875 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0279241 / LONG: -103.7029398 (TVD: 0 feet, MD: 0 feet)

PPP: NESW / 2620 FSL / 1686 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0280368 / LONG: -103.7003228 (TVD: 11604 feet, MD: 11722 feet)

PPP: NENW / 1 FNL / 1686 FWL / TWSP: 26S / RANGE: 32E / SECTION: 29 / LAT: 32.020835 / LONG: -103.700328 (TVD: 11738 feet, MD: 14343 feet)

BHL: LOT 3 / 50 FSL / 1686 FWL / TWSP: 26S / RANGE: 32E / SECTION: 32 / LAT: 32.000355 / LONG: -103.7003006 (TVD: 11738 feet, MD: 21692 feet)

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 30-025-52542	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 755H
7 OGRID No. 217817	8 Operator Name CONOCOPHILLIPS COMPANY	9 Elevation 3174.82'

¹⁰ Surface Location

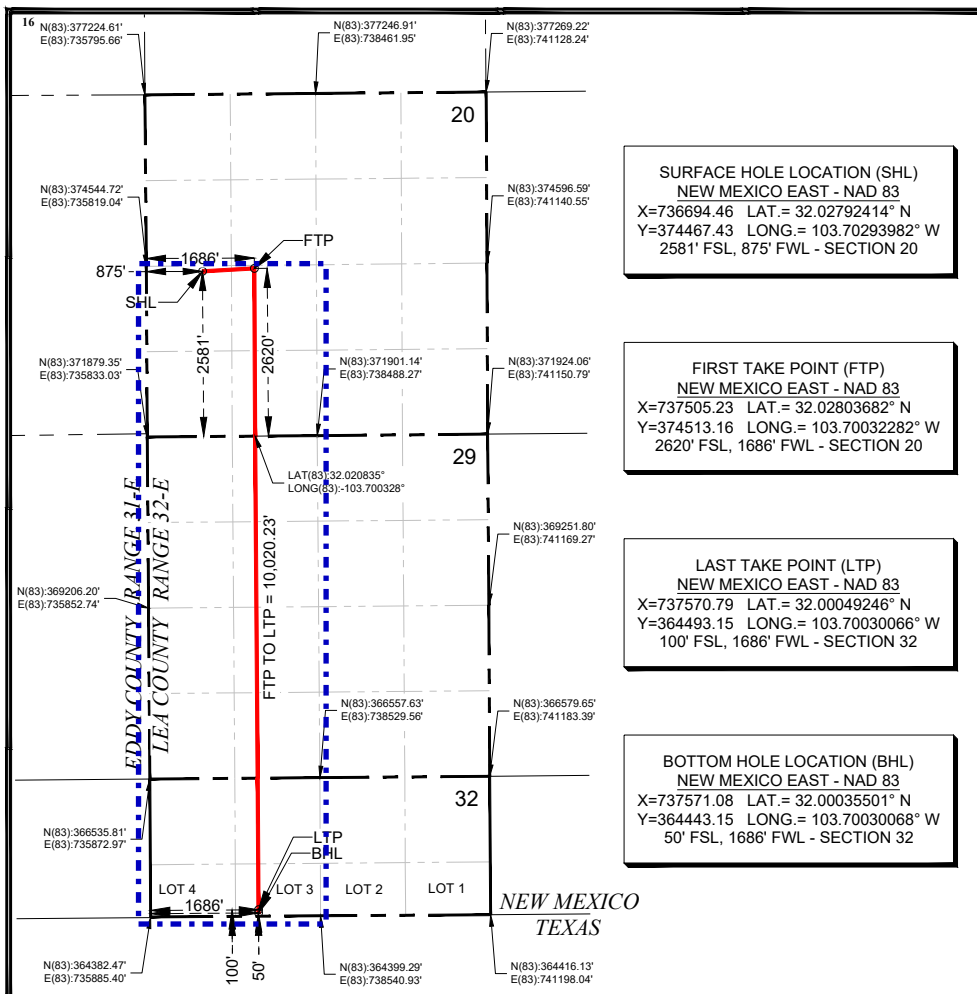
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	26-S	32-E		2581'	SOUTH	875'	WEST	LEA

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	1686'	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.

02/24/2023
Date of Survey

Signature and Seal of Professional Surveyor:

Charles L. Jurica
25490
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 755H

1. Geologic Formations

TVD of target	11,738' EOL	Pilot hole depth	NA
MD at TD:	21,692'	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	4310	Salt Water	
Bell Canyon	4345	Salt Water	
Cherry Canyon	5232	Oil/Gas	
Brushy Canyon	6719	Oil/Gas	
Bone Spring Shale	8320	Oil/Gas	
1st Bone Spring Sand	9303	Oil/Gas	
2nd Bone Spring Sand	9985	Oil/Gas	
3rd Bone Spring Sand	11133	Oil/Gas	
Wolfcamp	11548	Target	
Wolfcamp A	11756	Not Penetrated	
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	1.13	2.88	2.90
8.750"	8500	11132	7.625"	29.7	P110-ICY	W513	1.38	1.71	3.23	1.94
6.75"	0	10632	5.5"	23	P110-CY	BTC	2.10	2.48	2.98	2.98
6.75"	10632	21,692	5.5"	23	P110-CY	W441	1.91	2.25	2.70	2.45
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing to mitigate collapse. Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface and
All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

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

ConocoPhillips Company - Zia Hills Unit 2032 WC 755H

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

ConocoPhillips Company - Zia Hills Unit 2032 WC 755H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	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
	931	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 755H

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 755H

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	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 755H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7630 psi at 11738' TVD
Abnormal Temperature	NO 175 Deg. F.

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

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

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 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

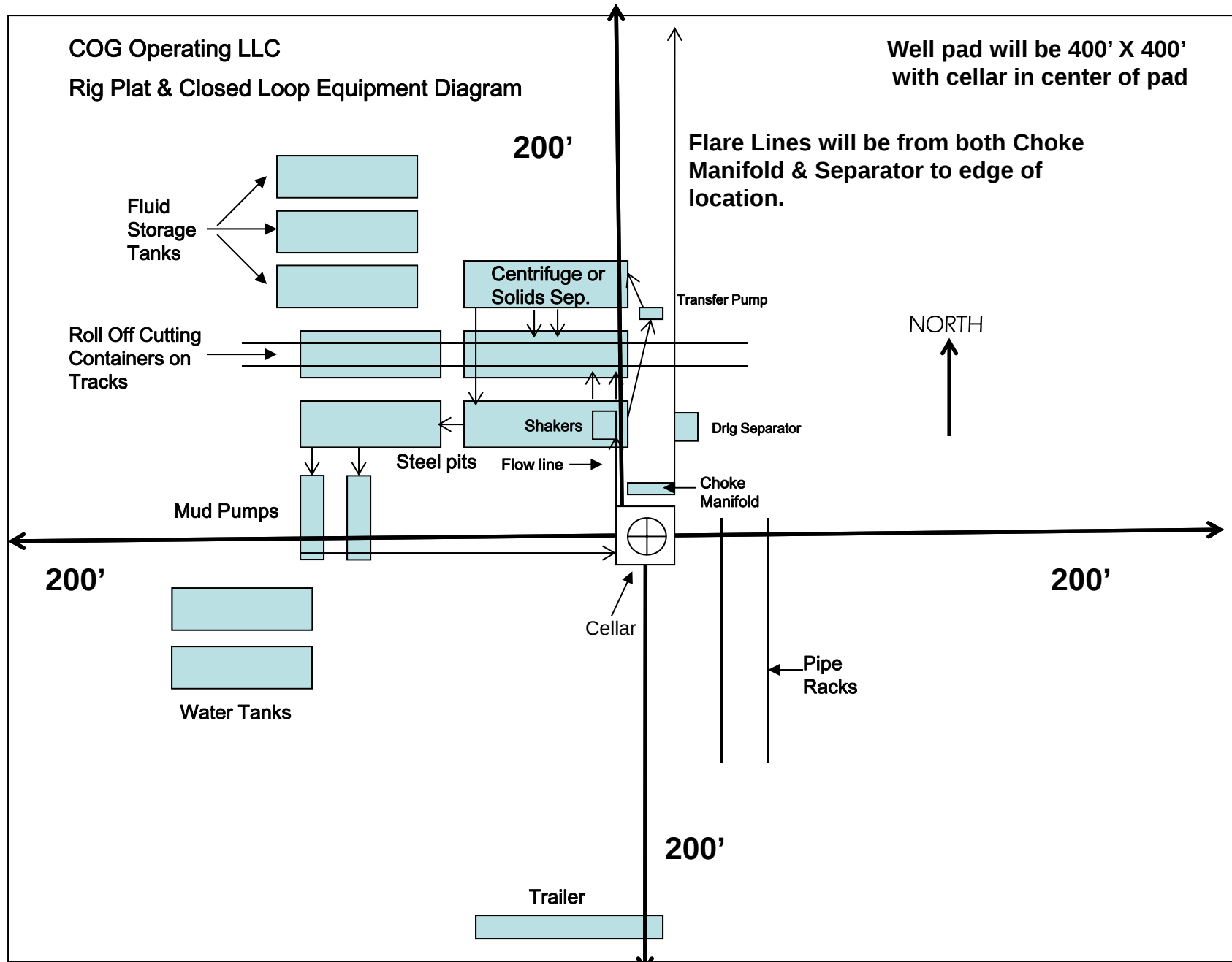


Exhibit 1

"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 #755H

OWB

PWP0

Anticollision Report

25 January, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	1/25/2023	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	1,500.0	PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initilzd Cont. rev.5
1,500.0	11,339.3	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
11,339.3	21,692.9	PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5

Summary							
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning	
Offset Well - Wellbore - Design							
ODELL STATE							
ODELL STATE 54-1-6 LOV #2H - OWB - AWP	21,692.9	11,552.3	857.3	739.0	7.248	CC, ES, SF	
ZIA HILLS 20 FED COM PROJECT							
BUCK 20 FEDERAL #3H (P&A) - OWB - AWP	9,263.7	11,434.3	635.9	566.2	9.125	CC, ES, SF	
CONOCO A FEDERAL #2 - OWB - AWP						Out of range	
CONOCO FEDERAL #1 - OWB - AWP						Out of range	
RUSSELL FEDERAL #10 - OWB - AWP						Out of range	
RUSSELL FEDERAL #12 - OWB - AWP	1,439.6	1,442.8	546.6	508.8	14.480	CC	
RUSSELL FEDERAL #12 - OWB - AWP	1,600.0	1,602.9	548.4	505.8	12.888	ES	
RUSSELL FEDERAL #12 - OWB - AWP	3,900.0	3,861.3	983.5	840.7	6.887	SF	
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	4,466.1	4,378.0	360.5	191.4	2.132	CC, ES, SF	
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2						Out of range	
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP						Out of range	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,766.4	1,764.2	233.5	222.6	21.446	CC
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,800.0	1,797.1	233.6	222.6	21.270	ES
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	2,000.0	1,987.1	241.4	229.8	20.854	SF
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	1,908.3	1,907.3	212.9	201.7	18.854	CC, ES
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	2,000.0	1,994.3	214.8	203.3	18.597	SF
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,097.2	2,098.6	179.4	167.5	15.180	CC
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,100.0	2,101.4	179.4	167.5	15.171	ES
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,200.0	2,197.2	181.8	169.7	15.015	SF
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	2,791.4	2,774.8	184.2	170.3	13.207	CC
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	2,800.0	2,783.4	184.2	170.2	13.184	ES
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	4,500.0	4,464.1	263.6	238.8	10.638	SF
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	5,097.7	5,074.6	169.4	147.0	7.591	CC
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	11,339.3	11,313.2	171.8	139.4	5.295	ES, SF
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	2,140.8	2,110.4	199.9	187.4	15.900	CC, ES
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	5,400.0	5,362.8	291.4	252.7	7.540	SF
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	2,159.3	2,124.0	204.3	191.5	15.956	CC, ES
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	5,300.0	5,246.8	388.8	348.8	9.716	SF
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	1,500.0	1,498.0	120.6	110.5	11.888	CC, ES, SF
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	1,500.0	1,499.0	90.6	80.4	8.924	CC, ES, SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	1,500.0	1,500.0	60.4	50.2	5.951	CC, ES
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,692.9	21,595.5	847.7	689.4	5.355	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,500.0	1,500.0	30.3	20.1	2.985	CC
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,900.0	1,903.2	31.1	19.6	2.714	ES, SF
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	1,466.3	1,467.3	30.2	20.1	2.997	CC
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	2,100.0	2,095.9	31.3	18.9	2.514	ES, SF
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,466.3	1,467.3	60.4	50.3	5.992	CC
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	2,100.0	2,090.8	61.7	49.3	4.950	ES
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	2,200.0	2,189.1	63.5	50.6	4.901	SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
ODELL STATE						
ODELL STATE 54-1-6 LOV #2H - OWB - AWP	21,692.9	11,552.3	857.3	739.0	7.248	CC, ES, SF
ZIA HILLS 20 FED COM PROJECT						
BUCK 20 FEDERAL #3H (P&A) - OWB - AWP	21,692.9	13,729.0				Out of Range @TD
CONOCO A FEDERAL #2 - OWB - AWP	21,692.9	4,317.0				Out of Range @TD
CONOCO FEDERAL #1 - OWB - AWP	21,692.9	4,327.0				Out of Range @TD
RUSSELL FEDERAL #10 - OWB - AWP	21,692.9	4,500.0				Out of Range @TD
RUSSELL FEDERAL #12 - OWB - AWP	21,692.9	4,335.0				Out of Range @TD
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	21,692.9	4,378.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2	21,692.9	11,450.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	21,692.9	21,734.7				Out of Range @TD
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	21,692.9	11,375.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	21,692.9	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	21,692.9	11,275.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	21,692.9	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	21,692.9	11,325.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	21,692.9	11,575.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	21,692.9	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,692.9	21,026.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	21,692.9	21,409.6				Out of Range @TD
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,692.9	21,595.5	847.7	689.4	5.355	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,692.9	21,829.6	458.4	297.8	2.854	
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	21,692.9	21,894.2	458.7	297.1	2.839	
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	21,692.9	21,747.4	848.0	682.8	5.135	

Offset Design: ODELL STATE - ODELL STATE 54-1-6 LOV #2H - OWB - AWP												Offset Site Error: 0.0 usft		
Survey Program: 30-MWD+HDGM										Offset Well Error: 3.0 usft				
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance		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		
21,400.0	11,738.0	11,470.7	11,442.4	79.1	40.7	-69.89	-10,304.1	1,643.9	999.5	894.0	105.53	9.471		
21,500.0	11,738.0	11,495.1	11,463.6	79.8	40.7	-71.28	-10,316.1	1,643.1	944.6	834.7	109.88	8.597		
21,600.0	11,738.0	11,525.0	11,489.1	80.6	40.8	-72.99	-10,331.8	1,642.3	896.0	781.8	114.25	7.843		
21,642.9	11,738.0	11,525.0	11,489.1	80.9	40.8	-72.99	-10,331.8	1,642.3	877.5	761.1	116.40	7.539		
21,692.9	11,738.0	11,552.3	11,511.7	81.2	40.9	-74.54	-10,347.0	1,641.8	857.3	739.0	118.28	7.248	CC, ES, SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - BUCK 20 FEDERAL #3H (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-GYD-CT-CMS, 8427-MWD - OWSG R1												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,500.0	8,421.2	11,438.7	9,204.9	23.9	43.6	89.46	62.7	1,446.5	993.7	939.9	53.80	18.469	
8,600.0	8,521.2	11,438.1	9,204.9	23.9	43.6	89.41	63.2	1,446.5	919.1	863.3	55.85	16.458	
8,700.0	8,621.2	11,437.5	9,204.9	23.9	43.6	89.36	63.8	1,446.4	849.7	791.6	58.15	14.614	
8,800.0	8,721.2	11,436.9	9,204.9	24.0	43.6	89.31	64.4	1,446.4	787.0	726.3	60.66	12.973	
8,900.0	8,821.2	11,436.4	9,204.9	24.0	43.6	89.25	65.0	1,446.4	732.5	669.2	63.29	11.574	
9,000.0	8,921.2	11,435.8	9,204.9	24.1	43.6	89.20	65.5	1,446.4	688.4	622.6	65.81	10.459	
9,100.0	9,021.2	11,435.2	9,204.9	24.1	43.5	89.15	66.1	1,446.4	656.6	588.7	67.94	9.665	
9,200.0	9,121.2	11,434.6	9,204.9	24.1	43.5	89.10	66.7	1,446.4	639.0	569.7	69.32	9.219	
9,263.7	9,184.9	11,434.3	9,204.9	24.2	43.5	89.07	67.0	1,446.4	635.9	566.2	69.68	9.125 CC, ES, SF	
9,300.0	9,221.2	11,434.1	9,204.9	24.2	43.5	89.05	67.2	1,446.4	636.9	567.2	69.70	9.138	
9,400.0	9,321.2	11,433.5	9,204.9	24.2	43.5	89.00	67.8	1,446.4	650.3	581.3	69.05	9.418	
9,500.0	9,421.2	11,432.9	9,204.9	24.3	43.5	88.95	68.4	1,446.4	678.4	610.8	67.56	10.041	
9,600.0	9,521.2	11,432.4	9,204.9	24.3	43.5	88.90	68.9	1,446.4	719.3	653.8	65.56	10.972	
9,700.0	9,621.2	11,431.8	9,204.9	24.3	43.5	88.85	69.5	1,446.4	771.2	707.8	63.38	12.168	
9,800.0	9,721.2	11,431.3	9,204.9	24.4	43.5	88.80	70.0	1,446.3	831.8	770.6	61.24	13.582	
9,900.0	9,821.2	11,430.7	9,204.9	24.4	43.5	88.75	70.6	1,446.3	899.6	840.3	59.30	15.169	
10,000.0	9,921.2	11,430.2	9,204.9	24.5	43.5	88.70	71.2	1,446.3	972.9	915.3	57.61	16.888	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	3.1	3.1	3.0	3.0	-94.77	-45.5	-544.8	546.7	539.8	6.89	79.312	
100.0	100.0	103.1	103.1	3.1	3.1	-94.77	-45.5	-544.8	546.7	539.5	7.15	76.473	
200.0	200.0	203.1	203.1	3.2	3.5	-94.77	-45.5	-544.8	546.7	539.0	7.63	71.668	
300.0	300.0	303.1	303.1	3.4	4.1	-94.77	-45.5	-544.8	546.7	538.3	8.33	65.598	
400.0	400.0	403.1	403.1	3.5	5.5	-94.77	-45.5	-544.8	546.7	536.7	9.99	54.735	
441.5	441.5	444.6	444.6	3.5	6.1	-94.75	-45.3	-544.8	546.6	535.9	10.78	50.706	
500.0	500.0	503.1	503.1	3.6	7.0	-94.76	-45.3	-544.8	546.6	534.7	11.97	45.663	
600.0	600.0	603.1	603.1	3.7	8.7	-94.77	-45.5	-544.8	546.7	532.5	14.16	38.619	
700.0	700.0	703.1	703.1	3.9	10.5	-94.77	-45.5	-544.8	546.7	530.1	16.59	32.946	
734.1	734.1	737.2	737.2	3.9	11.2	-94.74	-45.2	-544.8	546.6	529.2	17.44	31.342	
800.0	800.0	803.0	803.0	4.0	12.4	-94.75	-45.2	-544.8	546.6	527.5	19.10	28.619	
900.0	900.0	903.1	903.1	4.1	14.3	-94.77	-45.5	-544.8	546.7	524.9	21.74	25.150	
1,000.0	1,000.0	1,003.1	1,003.1	4.2	16.4	-94.77	-45.5	-544.8	546.7	522.1	24.60	22.226	
1,031.5	1,031.5	1,034.6	1,034.5	4.3	17.1	-94.71	-44.9	-544.8	546.6	521.1	25.50	21.435	
1,100.0	1,100.0	1,102.9	1,102.9	4.3	18.5	-94.73	-45.1	-544.8	546.6	519.2	27.48	19.895	
1,200.0	1,200.0	1,203.2	1,203.1	4.5	20.7	-94.77	-45.5	-544.8	546.7	516.3	30.33	18.024	
1,300.0	1,300.0	1,303.2	1,303.1	4.6	22.9	-94.77	-45.5	-544.8	546.7	513.2	33.42	16.359	
1,400.0	1,400.0	1,403.2	1,403.1	4.7	25.2	-94.77	-45.5	-544.8	546.7	510.1	36.52	14.970	
1,439.6	1,439.6	1,442.8	1,442.7	4.7	26.1	-94.63	-44.1	-544.8	546.6	508.8	37.75	14.480 CC	
1,500.0	1,500.0	1,503.0	1,502.9	4.8	27.4	-94.65	-44.3	-544.8	546.6	506.9	39.62	13.796	
1,600.0	1,600.0	1,602.9	1,602.7	4.9	29.7	179.29	-44.9	-544.8	548.4	505.8	42.55	12.888 ES	
1,700.0	1,699.8	1,703.1	1,702.9	5.1	32.1	179.24	-45.5	-544.8	553.6	507.7	45.98	12.041	
1,800.0	1,799.5	1,802.6	1,802.4	5.3	34.8	179.30	-45.0	-544.8	562.3	512.6	49.74	11.306	
1,900.0	1,898.7	1,902.1	1,901.8	5.6	37.6	179.26	-45.5	-544.8	574.5	520.9	53.63	10.712	
2,000.0	1,997.5	2,000.3	2,000.0	5.9	40.5	179.33	-44.9	-544.8	590.1	532.3	57.78	10.213	
2,100.0	2,095.6	2,099.2	2,098.7	6.3	43.6	179.29	-45.5	-544.8	609.3	547.2	62.03	9.823	
2,200.0	2,193.4	2,196.9	2,196.4	6.5	46.6	179.43	-44.3	-544.8	630.0	563.7	66.24	9.510	
2,300.0	2,291.3	2,294.1	2,293.7	6.9	49.6	179.37	-45.1	-544.8	650.8	580.4	70.44	9.240	
2,400.0	2,389.1	2,392.8	2,392.2	7.2	52.6	179.36	-45.5	-544.8	671.6	596.9	74.76	8.983	
2,500.0	2,486.9	2,490.7	2,490.0	7.5	55.7	179.38	-45.5	-544.8	692.4	613.3	79.07	8.757	
2,600.0	2,584.7	2,588.3	2,587.6	7.9	58.8	179.60	-42.9	-544.8	713.0	629.6	83.38	8.551	
2,700.0	2,682.5	2,685.8	2,685.0	8.2	61.9	179.56	-43.6	-544.8	733.9	646.2	87.68	8.369	
2,800.0	2,780.3	2,783.2	2,782.4	8.6	64.9	179.45	-45.2	-544.8	754.8	662.8	91.99	8.205	
2,900.0	2,878.1	2,882.3	2,881.2	9.0	68.1	179.44	-45.5	-544.8	775.6	679.2	96.41	8.045	
3,000.0	2,976.0	2,980.0	2,978.9	9.4	71.2	179.56	-44.1	-544.8	796.3	695.5	100.77	7.901	
3,100.0	3,073.8	3,077.2	3,076.1	9.8	74.3	179.52	-44.8	-544.8	817.1	712.0	105.12	7.773	
3,200.0	3,171.6	3,176.0	3,174.7	10.2	77.6	179.49	-45.5	-544.8	837.9	728.1	109.81	7.631	
3,300.0	3,269.4	3,273.5	3,272.2	10.6	81.0	179.59	-44.2	-544.8	858.6	744.0	114.65	7.489	
3,400.0	3,367.2	3,370.3	3,369.0	11.0	84.5	179.51	-45.4	-544.8	879.5	760.1	119.46	7.363	
3,500.0	3,465.0	3,469.7	3,468.1	11.5	87.9	179.52	-45.5	-544.8	900.3	776.1	124.27	7.245	
3,600.0	3,562.8	3,567.3	3,565.7	11.9	91.2	179.67	-43.4	-544.8	921.0	792.0	128.99	7.140	
3,700.0	3,660.7	3,664.4	3,662.7	12.3	94.6	179.62	-44.2	-544.8	941.8	808.1	133.69	7.045	
3,800.0	3,758.5	3,763.5	3,761.6	12.8	97.9	179.55	-45.5	-544.8	962.7	824.3	138.37	6.957	
3,900.0	3,856.3	3,861.3	3,859.4	13.2	101.1	179.56	-45.5	-544.8	983.5	840.7	142.81	6.887 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #6 (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 500-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	10.0	10.0	3.0	3.0	106.56	-233.5	785.2	819.2	812.2	6.98	117.326	
100.0	100.0	110.0	110.0	3.1	3.2	106.56	-233.5	785.2	819.2	812.1	7.11	115.184	
200.0	200.0	210.0	210.0	3.2	3.6	106.56	-233.5	785.2	819.2	811.6	7.64	107.260	
300.0	300.0	310.0	310.0	3.4	4.1	106.56	-233.5	785.2	819.2	810.9	8.35	98.087	
400.0	400.0	410.0	410.0	3.5	4.8	106.56	-233.5	785.2	819.2	810.0	9.21	88.983	
500.0	500.0	510.0	510.0	3.6	5.7	106.56	-233.5	785.2	819.2	809.0	10.26	79.846	
600.0	600.0	610.0	610.0	3.7	7.4	106.56	-233.5	785.2	819.2	806.8	12.38	66.171	
700.0	700.0	710.0	710.0	3.9	9.1	106.56	-233.5	785.2	819.2	804.5	14.69	55.779	
741.4	741.4	751.4	751.4	3.9	9.9	106.53	-233.0	785.2	819.1	803.4	15.67	52.253	
800.0	800.0	809.8	809.8	4.0	10.9	106.53	-233.0	785.2	819.1	802.0	17.09	47.914	
900.0	900.0	909.4	909.4	4.1	12.8	106.54	-233.2	785.2	819.1	799.6	19.56	41.870	
1,000.0	1,000.0	1,010.0	1,010.0	4.2	14.7	106.56	-233.5	785.2	819.2	797.2	22.03	37.182	
1,100.0	1,100.0	1,110.0	1,110.0	4.3	16.8	106.56	-233.5	785.2	819.2	794.3	24.94	32.847	
1,200.0	1,200.0	1,210.0	1,210.0	4.5	18.9	106.56	-233.5	785.2	819.2	791.3	27.87	29.390	
1,241.4	1,241.4	1,251.4	1,251.4	4.5	19.8	106.51	-232.7	785.2	819.0	789.9	29.09	28.150	
1,300.0	1,300.0	1,309.7	1,309.6	4.6	21.1	106.51	-232.8	785.2	819.0	788.2	30.82	26.576	
1,400.0	1,400.0	1,409.1	1,409.0	4.7	23.2	106.53	-233.0	785.2	819.1	785.3	33.77	24.258	
1,500.0	1,500.0	1,510.1	1,510.0	4.8	25.4	106.56	-233.5	785.2	819.2	782.4	36.83	22.241	
1,600.0	1,600.0	1,610.1	1,610.0	4.9	28.0	20.62	-233.5	785.2	817.6	777.3	40.24	20.320	
1,700.0	1,699.8	1,708.7	1,708.5	5.1	30.6	20.73	-232.8	785.2	812.5	768.7	43.81	18.544	
1,800.0	1,799.5	1,809.7	1,809.5	5.3	33.2	21.06	-233.5	785.2	804.5	757.0	47.51	16.936	
1,900.0	1,898.7	1,909.0	1,908.7	5.6	35.9	21.46	-233.5	785.2	793.2	742.0	51.21	15.489	
2,000.0	1,997.5	2,007.7	2,007.4	5.9	38.5	21.86	-231.7	785.2	778.0	723.1	54.90	14.172	
2,100.0	2,095.6	2,104.1	2,103.7	6.3	41.1	22.55	-232.1	785.2	760.5	702.0	58.51	12.997	
2,200.0	2,193.4	2,200.1	2,199.8	6.5	43.6	23.23	-233.2	785.2	741.6	679.5	62.10	11.943	
2,300.0	2,291.3	2,301.7	2,301.3	6.9	46.2	23.93	-233.5	785.2	722.6	656.9	65.71	10.997	
2,400.0	2,389.1	2,398.4	2,397.9	7.2	48.6	24.55	-232.8	785.2	703.3	634.2	69.11	10.178	
2,500.0	2,486.9	2,497.4	2,496.9	7.5	51.2	25.34	-233.5	785.2	684.7	612.0	72.69	9.419	
2,600.0	2,584.7	2,595.1	2,594.5	7.9	54.0	26.04	-232.8	785.2	665.6	588.9	76.66	8.682	
2,700.0	2,682.5	2,690.2	2,689.6	8.2	56.8	26.87	-233.4	785.2	647.1	566.6	80.54	8.035	
2,800.0	2,780.3	2,791.0	2,790.3	8.6	59.9	27.76	-233.5	785.2	628.6	543.7	84.93	7.401	
2,900.0	2,878.1	2,884.4	2,883.6	9.0	62.8	28.59	-233.2	785.2	610.1	521.0	89.03	6.853	
3,000.0	2,976.0	2,986.8	2,986.0	9.4	65.8	29.63	-233.5	785.2	591.9	498.8	93.17	6.353	
3,100.0	3,073.8	3,084.6	3,083.8	9.8	68.5	30.65	-233.5	785.2	573.9	476.8	97.07	5.912	
3,200.0	3,171.6	3,181.9	3,181.0	10.2	71.3	31.53	-231.4	785.2	555.0	454.0	100.95	5.498	
3,300.0	3,269.4	3,278.1	3,277.2	10.6	74.0	32.71	-231.9	785.2	537.5	432.7	104.78	5.130	
3,400.0	3,367.2	3,374.3	3,373.3	11.0	76.8	34.03	-233.1	785.2	520.6	412.0	108.61	4.794	
3,500.0	3,465.0	3,476.2	3,475.0	11.5	80.2	35.44	-233.5	785.2	503.6	390.3	113.37	4.442	
3,600.0	3,562.8	3,574.0	3,572.8	11.9	83.6	36.85	-233.5	785.2	486.7	368.5	118.17	4.119	
3,700.0	3,660.7	3,670.4	3,669.2	12.3	87.0	38.20	-232.2	785.2	469.4	346.5	122.91	3.819	
3,800.0	3,758.5	3,766.3	3,765.1	12.8	90.4	39.87	-233.1	785.2	453.6	326.0	127.61	3.555	
3,900.0	3,856.3	3,867.8	3,866.3	13.2	95.0	41.70	-233.5	785.2	438.0	303.9	134.04	3.267	
4,000.0	3,954.1	3,965.7	3,964.1	13.6	99.8	43.56	-233.5	785.2	422.5	281.7	140.78	3.001	
4,100.0	4,051.9	4,060.7	4,059.0	14.1	104.5	45.21	-231.0	785.2	405.9	258.5	147.33	2.755	
4,200.0	4,149.7	4,154.8	4,153.1	14.5	109.2	47.45	-232.7	785.2	392.6	238.8	153.80	2.553	
4,300.0	4,247.5	4,260.1	4,257.5	15.0	114.7	49.98	-233.5	785.2	379.2	217.7	161.53	2.348	
4,400.0	4,345.4	4,349.9	4,347.2	15.4	119.6	52.14	-232.7	785.2	365.5	197.2	168.25	2.172	
4,466.1	4,410.0	4,378.0	4,374.8	15.7	121.1	52.95	-233.5	785.2	360.5	191.4	169.10	2.132 CC, ES, SF	
4,500.0	4,443.2	4,378.0	4,374.8	15.9	121.1	52.95	-233.5	785.2	362.1	195.6	166.49	2.175	
4,600.0	4,541.0	4,378.0	4,374.8	16.3	121.1	52.95	-233.5	785.2	384.6	232.6	151.99	2.530	
4,700.0	4,638.8	4,378.0	4,374.8	16.8	121.1	52.95	-233.5	785.2	429.8	297.4	132.32	3.248	
4,800.0	4,736.6	4,378.0	4,374.8	17.2	121.1	52.95	-233.5	785.2	491.4	378.4	113.04	4.347	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #6 (P&A) - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 500-INC-ONLY													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		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	4,834.4	4,378.0	4,374.8	17.7	121.1	52.95	-233.5	785.2	564.2	467.5	96.64	5.838		
5,000.0	4,932.3	4,378.0	4,374.8	18.1	121.1	52.95	-233.5	785.2	644.2	560.7	83.50	7.715		
5,100.0	5,030.1	4,378.0	4,374.8	18.6	121.1	52.95	-233.5	785.2	729.3	656.1	73.21	9.961		
5,105.0	5,035.0	4,378.0	4,374.8	18.6	121.1	52.95	-233.5	785.2	733.7	660.9	72.76	10.083		
5,200.0	5,128.0	4,378.0	4,374.8	19.0	121.1	54.42	-233.5	785.2	817.9	752.7	65.22	12.540		
5,300.0	5,226.3	4,378.0	4,374.8	19.5	121.1	56.28	-233.5	785.2	909.3	850.3	59.02	15.407		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

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

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (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	9.22	217.8	35.3	220.7	213.7	6.98	31.614	
100.0	100.0	98.0	98.0	3.1	3.1	9.22	217.8	35.3	220.7	213.5	7.22	30.550	
200.0	200.0	198.0	198.0	3.2	3.2	9.22	217.8	35.3	220.7	213.2	7.47	29.538	
300.0	300.0	298.0	298.0	3.4	3.4	9.22	217.8	35.3	220.7	213.0	7.71	28.606	
400.0	400.0	398.0	398.0	3.5	3.5	9.22	217.8	35.3	220.7	212.7	7.96	27.736	
500.0	500.0	498.0	498.0	3.6	3.6	9.22	217.8	35.3	220.7	212.5	8.20	26.923	
600.0	600.0	598.0	598.0	3.7	3.7	9.22	217.8	35.3	220.7	212.2	8.44	26.161	
700.0	700.0	698.0	698.0	3.9	3.9	9.22	217.8	35.3	220.7	212.0	8.67	25.445	
800.0	800.0	798.0	798.0	4.0	4.0	9.22	217.8	35.3	220.7	211.8	8.91	24.770	
900.0	900.0	898.0	898.0	4.1	4.1	9.22	217.8	35.3	220.7	211.5	9.14	24.132	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	9.22	217.8	35.3	220.7	211.3	9.38	23.529	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	9.22	217.8	35.3	220.7	211.1	9.61	22.957	
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	9.22	217.8	35.3	220.7	210.8	9.85	22.415	
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	9.22	217.8	35.3	220.7	210.6	10.08	21.899	
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	9.22	217.8	35.3	220.7	210.4	10.31	21.408	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	9.22	217.8	35.3	220.7	210.1	10.54	20.939	
1,600.0	1,600.0	1,600.2	1,600.1	4.9	4.9	-77.69	217.6	33.6	219.8	209.4	10.41	21.112	
1,700.0	1,699.8	1,701.6	1,701.5	5.1	5.1	-80.45	216.8	28.3	217.4	206.7	10.72	20.290	
1,800.0	1,799.5	1,801.6	1,801.0	5.3	5.3	-85.06	215.6	19.6	214.6	203.6	11.00	19.503	
1,900.0	1,898.7	1,899.4	1,898.1	5.6	5.6	-91.42	214.0	7.8	213.0	201.7	11.27	18.893	
1,908.3	1,906.9	1,907.3	1,906.0	5.6	5.6	-92.02	213.8	6.7	212.9	201.7	11.29	18.854 CC, ES	
2,000.0	1,997.5	1,994.3	1,991.9	5.9	5.9	-99.21	211.9	-6.8	214.8	203.3	11.55	18.597 SF	
2,100.0	2,095.6	2,087.6	2,083.8	6.3	6.1	-107.67	209.7	-22.8	222.5	210.6	11.90	18.698	
2,200.0	2,193.4	2,180.4	2,175.1	6.5	6.4	-115.91	207.4	-38.8	236.2	223.8	12.34	19.146	
2,300.0	2,291.3	2,273.1	2,266.4	6.9	6.7	-123.22	205.2	-54.7	254.7	241.8	12.86	19.806	
2,400.0	2,389.1	2,365.8	2,357.7	7.2	7.0	-129.55	202.9	-70.7	277.0	263.6	13.45	20.592	
2,500.0	2,486.9	2,458.5	2,449.0	7.5	7.3	-134.96	200.7	-86.6	302.3	288.2	14.10	21.441	
2,600.0	2,584.7	2,551.3	2,540.4	7.9	7.6	-139.56	198.5	-102.5	330.0	315.2	14.79	22.313	
2,700.0	2,682.5	2,644.0	2,631.7	8.2	7.9	-143.47	196.2	-118.5	359.4	343.9	15.51	23.180	
2,800.0	2,780.3	2,736.7	2,723.0	8.6	8.3	-146.80	194.0	-134.4	390.2	374.0	16.24	24.023	
2,900.0	2,878.1	2,829.5	2,814.3	9.0	8.6	-149.66	191.7	-150.4	422.1	405.1	17.00	24.834	
3,000.0	2,976.0	2,922.2	2,905.6	9.4	9.0	-152.13	189.5	-166.3	454.8	437.1	17.76	25.606	
3,100.0	3,073.8	3,014.9	2,997.0	9.8	9.3	-154.28	187.2	-182.3	488.2	469.7	18.54	26.336	
3,200.0	3,171.6	3,107.6	3,088.3	10.2	9.7	-156.15	185.0	-198.2	522.2	502.9	19.32	27.024	
3,300.0	3,269.4	3,200.4	3,179.6	10.6	10.0	-157.81	182.8	-214.2	556.6	536.5	20.11	27.671	
3,400.0	3,367.2	3,293.1	3,270.9	11.0	10.4	-159.27	180.5	-230.1	591.3	570.4	20.91	28.278	
3,500.0	3,465.0	3,385.8	3,362.2	11.5	10.8	-160.57	178.3	-246.1	626.4	604.7	21.71	28.848	
3,600.0	3,562.8	3,478.5	3,453.5	11.9	11.2	-161.74	176.0	-262.0	661.8	639.2	22.52	29.382	
3,700.0	3,660.7	3,571.3	3,544.9	12.3	11.5	-162.79	173.8	-277.9	697.3	674.0	23.33	29.883	
3,800.0	3,758.5	3,664.0	3,636.2	12.8	11.9	-163.74	171.6	-293.9	733.1	708.9	24.15	30.353	
3,900.0	3,856.3	3,756.7	3,727.5	13.2	12.3	-164.60	169.3	-309.8	769.0	744.0	24.97	30.795	
4,000.0	3,954.1	3,849.5	3,818.8	13.6	12.7	-165.39	167.1	-325.8	805.0	779.2	25.79	31.210	
4,100.0	4,051.9	3,942.2	3,910.1	14.1	13.1	-166.11	164.8	-341.7	841.2	814.5	26.62	31.601	
4,200.0	4,149.7	4,034.9	4,001.5	14.5	13.5	-166.77	162.6	-357.7	877.4	850.0	27.44	31.982	
4,300.0	4,247.5	4,142.1	4,107.2	15.0	13.9	-167.45	160.1	-375.3	913.2	884.8	28.37	32.187	
4,400.0	4,345.4	4,253.2	4,217.0	15.4	14.4	-168.06	157.8	-391.6	947.3	917.9	29.34	32.284	
4,500.0	4,443.2	4,365.8	4,328.7	15.9	14.8	-168.60	155.8	-405.9	979.6	949.3	30.30	32.327	

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

ConocoPhillips

Anticollision Report

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Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	16.76	201.1	60.5	210.0	203.0	6.98	30.082	
100.0	100.0	99.0	99.0	3.1	3.1	16.76	201.1	60.5	210.0	202.8	7.23	29.062	
200.0	200.0	199.0	199.0	3.2	3.2	16.76	201.1	60.5	210.0	202.5	7.47	28.107	
300.0	300.0	299.0	299.0	3.4	3.4	16.76	201.1	60.5	210.0	202.3	7.71	27.223	
400.0	400.0	399.0	399.0	3.5	3.5	16.76	201.1	60.5	210.0	202.0	7.95	26.400	
500.0	500.0	499.0	499.0	3.6	3.6	16.76	201.1	60.5	210.0	201.8	8.19	25.632	
600.0	600.0	599.0	599.0	3.7	3.7	16.76	201.1	60.5	210.0	201.6	8.43	24.912	
700.0	700.0	699.0	699.0	3.9	3.9	16.76	201.1	60.5	210.0	201.3	8.67	24.235	
800.0	800.0	799.0	799.0	4.0	4.0	16.76	201.1	60.5	210.0	201.1	8.90	23.598	
900.0	900.0	899.0	899.0	4.1	4.1	16.76	201.1	60.5	210.0	200.9	9.13	22.996	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	16.76	201.1	60.5	210.0	200.6	9.36	22.428	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	16.76	201.1	60.5	210.0	200.4	9.59	21.889	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	16.76	201.1	60.5	210.0	200.2	9.82	21.377	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	16.76	201.1	60.5	210.0	199.9	10.05	20.891	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	16.76	201.1	60.5	210.0	199.7	10.28	20.428	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	16.76	201.1	60.5	210.0	199.5	10.51	19.987	
1,600.0	1,600.0	1,604.6	1,604.5	4.9	5.0	-70.11	200.1	58.9	208.1	197.6	10.44	19.931	
1,700.0	1,699.8	1,709.4	1,709.2	5.1	5.2	-72.79	197.1	54.0	202.5	191.7	10.80	18.754	
1,800.0	1,799.5	1,810.0	1,809.4	5.3	5.3	-77.19	192.8	46.7	194.5	183.5	11.03	17.636	
1,900.0	1,898.7	1,907.9	1,907.0	5.6	5.5	-82.91	188.4	39.4	187.0	175.7	11.31	16.532	
2,000.0	1,997.5	2,005.1	2,003.8	5.9	5.7	-89.97	184.0	32.2	181.5	169.9	11.57	15.683	
2,097.2	2,092.8	2,098.6	2,097.0	6.2	5.9	-97.98	179.8	25.2	179.4	167.5	11.82	15.180 CC	
2,100.0	2,095.6	2,101.4	2,099.7	6.3	5.9	-98.23	179.7	25.0	179.4	167.5	11.82	15.171 ES	
2,200.0	2,193.4	2,197.2	2,195.2	6.5	6.2	-106.91	175.4	17.8	181.8	169.7	12.11	15.015 SF	
2,300.0	2,291.3	2,293.0	2,290.6	6.9	6.4	-115.19	171.1	10.6	188.5	176.1	12.46	15.134	
2,400.0	2,389.1	2,388.8	2,386.1	7.2	6.7	-122.80	166.8	3.5	199.2	186.3	12.89	15.448	
2,500.0	2,486.9	2,484.7	2,481.6	7.5	7.0	-129.58	162.5	-3.7	213.2	199.8	13.42	15.891	
2,600.0	2,584.7	2,580.5	2,577.0	7.9	7.3	-135.49	158.2	-10.8	229.9	215.9	14.01	16.411	
2,700.0	2,682.5	2,676.5	2,672.6	8.2	7.5	-140.61	153.9	-18.0	248.8	234.2	14.62	17.016	
2,800.0	2,780.3	2,774.6	2,770.4	8.6	7.8	-144.91	150.0	-24.5	268.9	253.6	15.29	17.587	
2,900.0	2,878.1	2,873.6	2,869.2	9.0	8.1	-148.35	146.9	-29.6	289.4	273.4	15.99	18.098	
3,000.0	2,976.0	2,973.4	2,969.0	9.4	8.4	-151.08	144.7	-33.2	309.8	293.1	16.69	18.560	
3,100.0	3,073.8	3,074.0	3,069.5	9.8	8.7	-153.24	143.4	-35.4	329.7	312.3	17.38	18.969	
3,200.0	3,171.6	3,175.0	3,170.6	10.2	8.8	-154.93	143.0	-36.0	348.9	330.9	18.00	19.386	
3,300.0	3,269.4	3,272.8	3,268.4	10.6	8.9	-156.29	143.0	-36.0	367.9	349.4	18.57	19.815	
3,400.0	3,367.2	3,370.7	3,366.2	11.0	9.0	-157.53	143.0	-36.0	387.1	368.0	19.16	20.208	
3,500.0	3,465.0	3,468.5	3,464.0	11.5	9.0	-158.64	143.0	-36.0	406.5	386.7	19.75	20.582	
3,600.0	3,562.8	3,566.3	3,561.8	11.9	9.1	-159.66	143.0	-36.0	426.0	405.6	20.34	20.938	
3,700.0	3,660.7	3,664.1	3,659.7	12.3	9.2	-160.59	143.0	-36.0	445.6	424.6	20.94	21.277	
3,800.0	3,758.5	3,761.9	3,757.5	12.8	9.3	-161.44	143.0	-36.0	465.3	443.7	21.54	21.598	
3,900.0	3,856.3	3,859.7	3,855.3	13.2	9.3	-162.22	143.0	-36.0	485.1	462.9	22.15	21.904	
4,000.0	3,954.1	3,957.5	3,953.1	13.6	9.4	-162.94	143.0	-36.0	504.9	482.2	22.75	22.194	
4,100.0	4,051.9	4,055.4	4,050.9	14.1	9.5	-163.60	143.0	-36.0	524.9	501.5	23.36	22.469	
4,200.0	4,149.7	4,153.2	4,148.7	14.5	9.6	-164.22	143.0	-36.0	544.9	520.9	23.97	22.730	
4,300.0	4,247.5	4,251.0	4,246.5	15.0	9.6	-164.79	143.0	-36.0	565.0	540.4	24.59	22.979	
4,400.0	4,345.4	4,348.8	4,344.4	15.4	9.7	-165.32	143.0	-36.0	585.1	559.9	25.20	23.215	
4,500.0	4,443.2	4,446.6	4,442.2	15.9	9.8	-165.82	143.0	-36.0	605.3	579.4	25.82	23.440	
4,600.0	4,541.0	4,544.4	4,540.0	16.3	9.9	-166.29	143.0	-36.0	625.5	599.0	26.44	23.654	
4,700.0	4,638.8	4,642.3	4,637.8	16.8	9.9	-166.72	143.0	-36.0	645.7	618.6	27.06	23.858	
4,800.0	4,736.6	4,740.1	4,735.6	17.2	10.0	-167.13	143.0	-36.0	666.0	638.3	27.69	24.052	
4,900.0	4,834.4	4,837.9	4,833.4	17.7	10.1	-167.52	143.0	-36.0	686.3	658.0	28.32	24.237	
5,000.0	4,932.3	4,935.7	4,931.3	18.1	10.2	-167.88	143.0	-36.0	706.6	677.7	28.94	24.413	

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

ConocoPhillips

Anticollision Report

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Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
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Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.0	5,030.1	5,033.5	5,029.1	18.6	10.2	-168.23	143.0	-36.0	727.0	697.4	29.58	24.579	
5,105.0	5,035.0	5,038.4	5,034.0	18.6	10.3	-168.24	143.0	-36.0	728.0	698.4	29.61	24.587	
5,200.0	5,128.0	5,131.5	5,127.0	19.0	10.3	-168.58	143.0	-36.0	746.6	716.4	30.20	24.722	
5,300.0	5,226.3	5,229.8	5,225.3	19.5	10.4	-168.89	143.0	-36.0	764.6	733.8	30.82	24.811	
5,400.0	5,325.0	5,328.4	5,324.0	19.9	10.5	-169.15	143.0	-36.0	780.9	749.4	31.42	24.852	
5,500.0	5,423.8	5,427.3	5,422.8	20.4	10.6	-169.38	143.0	-36.0	795.5	763.5	32.01	24.849	
5,600.0	5,523.0	5,526.4	5,522.0	20.8	10.6	-169.58	143.0	-36.0	808.4	775.8	32.59	24.805	
5,700.0	5,622.3	5,625.8	5,621.3	21.2	10.7	-169.74	143.0	-36.0	819.6	786.5	33.15	24.723	
5,800.0	5,721.9	5,725.3	5,720.9	21.6	10.8	-169.88	143.0	-36.0	829.1	795.4	33.70	24.607	
5,900.0	5,821.5	5,825.0	5,820.5	22.0	10.9	-169.98	143.0	-36.0	837.0	802.7	34.22	24.460	
6,000.0	5,921.3	5,924.8	5,920.3	22.3	10.9	-170.07	143.0	-36.0	843.1	808.3	34.71	24.287	
6,100.0	6,021.2	6,024.7	6,020.2	22.6	11.0	-170.13	143.0	-36.0	847.4	812.3	35.18	24.092	
6,200.0	6,121.2	6,124.7	6,120.2	22.9	11.1	-170.16	143.0	-36.0	850.1	814.5	35.59	23.884	
6,300.0	6,221.2	6,224.6	6,220.2	23.1	11.2	-170.18	143.0	-36.0	851.1	815.2	35.84	23.748	
6,305.0	6,226.2	6,229.7	6,225.2	23.1	11.2	-84.18	143.0	-36.0	851.1	815.2	35.85	23.740	
6,400.0	6,321.2	6,324.6	6,320.2	23.1	11.3	-84.18	143.0	-36.0	851.1	815.1	35.93	23.685	
6,500.0	6,421.2	6,424.6	6,420.2	23.2	11.3	-84.18	143.0	-36.0	851.1	815.0	36.02	23.625	
6,600.0	6,521.2	6,524.6	6,520.2	23.2	11.4	-84.18	143.0	-36.0	851.1	814.9	36.11	23.565	
6,700.0	6,621.2	6,624.6	6,620.2	23.2	11.5	-84.18	143.0	-36.0	851.1	814.8	36.21	23.505	
6,800.0	6,721.2	6,724.6	6,720.2	23.3	11.6	-84.18	143.0	-36.0	851.1	814.8	36.30	23.446	
6,900.0	6,821.2	6,824.6	6,820.2	23.3	11.7	-84.18	143.0	-36.0	851.1	814.7	36.39	23.386	
7,000.0	6,921.2	6,924.6	6,920.2	23.3	11.7	-84.18	143.0	-36.0	851.1	814.6	36.49	23.326	
7,100.0	7,021.2	7,024.6	7,020.2	23.4	11.8	-84.18	143.0	-36.0	851.1	814.5	36.58	23.266	
7,200.0	7,121.2	7,124.6	7,120.2	23.4	11.9	-84.18	143.0	-36.0	851.1	814.4	36.67	23.206	
7,300.0	7,221.2	7,224.6	7,220.2	23.4	12.0	-84.18	143.0	-36.0	851.1	814.3	36.77	23.146	
7,400.0	7,321.2	7,324.6	7,320.2	23.5	12.1	-84.18	143.0	-36.0	851.1	814.2	36.86	23.086	
7,500.0	7,421.2	7,424.6	7,420.2	23.5	12.1	-84.18	143.0	-36.0	851.1	814.1	36.96	23.026	
7,600.0	7,521.2	7,524.6	7,520.2	23.5	12.2	-84.18	143.0	-36.0	851.1	814.0	37.06	22.966	
7,700.0	7,621.2	7,624.6	7,620.2	23.6	12.3	-84.18	143.0	-36.0	851.1	813.9	37.15	22.906	
7,800.0	7,721.2	7,724.6	7,720.2	23.6	12.4	-84.18	143.0	-36.0	851.1	813.8	37.25	22.847	
7,900.0	7,821.2	7,824.6	7,820.2	23.6	12.4	-84.18	143.0	-36.0	851.1	813.7	37.35	22.787	
8,000.0	7,921.2	7,924.6	7,920.2	23.7	12.5	-84.18	143.0	-36.0	851.1	813.6	37.45	22.727	
8,100.0	8,021.2	8,024.6	8,020.2	23.7	12.6	-84.18	143.0	-36.0	851.1	813.5	37.55	22.667	
8,200.0	8,121.2	8,124.6	8,120.2	23.8	12.7	-84.18	143.0	-36.0	851.1	813.4	37.64	22.608	
8,300.0	8,221.2	8,224.6	8,220.2	23.8	12.8	-84.18	143.0	-36.0	851.1	813.3	37.74	22.548	
8,400.0	8,321.2	8,324.6	8,320.2	23.8	12.8	-84.18	143.0	-36.0	851.1	813.2	37.84	22.489	
8,500.0	8,421.2	8,424.6	8,420.2	23.9	12.9	-84.18	143.0	-36.0	851.1	813.1	37.94	22.429	
8,600.0	8,521.2	8,524.6	8,520.2	23.9	13.0	-84.18	143.0	-36.0	851.1	813.0	38.04	22.370	
8,700.0	8,621.2	8,624.6	8,620.2	23.9	13.1	-84.18	143.0	-36.0	851.1	812.9	38.15	22.311	
8,800.0	8,721.2	8,724.6	8,720.2	24.0	13.2	-84.18	143.0	-36.0	851.1	812.8	38.25	22.251	
8,900.0	8,821.2	8,824.6	8,820.2	24.0	13.2	-84.18	143.0	-36.0	851.1	812.7	38.35	22.192	
9,000.0	8,921.2	8,924.6	8,920.2	24.1	13.3	-84.18	143.0	-36.0	851.1	812.6	38.45	22.133	
9,100.0	9,021.2	9,024.6	9,020.2	24.1	13.4	-84.18	143.0	-36.0	851.1	812.5	38.55	22.074	
9,200.0	9,121.2	9,124.6	9,120.2	24.1	13.5	-84.18	143.0	-36.0	851.1	812.4	38.66	22.015	
9,300.0	9,221.2	9,224.6	9,220.2	24.2	13.6	-84.18	143.0	-36.0	851.1	812.3	38.76	21.956	
9,400.0	9,321.2	9,324.6	9,320.2	24.2	13.6	-84.18	143.0	-36.0	851.1	812.2	38.87	21.897	
9,500.0	9,421.2	9,424.6	9,420.2	24.3	13.7	-84.18	143.0	-36.0	851.1	812.1	38.97	21.839	
9,600.0	9,521.2	9,524.6	9,520.2	24.3	13.8	-84.18	143.0	-36.0	851.1	812.0	39.07	21.780	
9,700.0	9,621.2	9,624.6	9,620.2	24.3	13.9	-84.18	143.0	-36.0	851.1	811.9	39.18	21.722	
9,800.0	9,721.2	9,724.6	9,720.2	24.4	14.0	-84.18	143.0	-36.0	851.1	811.8	39.29	21.663	
9,900.0	9,821.2	9,824.6	9,820.2	24.4	14.0	-84.18	143.0	-36.0	851.1	811.7	39.39	21.605	
10,000.0	9,921.2	9,924.6	9,920.2	24.5	14.1	-84.18	143.0	-36.0	851.1	811.6	39.50	21.547	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.0	10,021.2	10,024.6	10,020.2	24.5	14.2	-84.18	143.0	-36.0	851.1	811.4	39.60	21.489	
10,200.0	10,121.2	10,124.6	10,120.2	24.5	14.3	-84.18	143.0	-36.0	851.1	811.3	39.71	21.431	
10,300.0	10,221.2	10,224.6	10,220.2	24.6	14.4	-84.18	143.0	-36.0	851.1	811.2	39.82	21.373	
10,400.0	10,321.2	10,324.6	10,320.2	24.6	14.4	-84.18	143.0	-36.0	851.1	811.1	39.93	21.315	
10,500.0	10,421.2	10,424.6	10,420.2	24.7	14.5	-84.18	143.0	-36.0	851.1	811.0	40.03	21.258	
10,600.0	10,521.2	10,524.6	10,520.2	24.7	14.6	-84.18	143.0	-36.0	851.1	810.9	40.14	21.200	
10,700.0	10,621.2	10,624.6	10,620.2	24.7	14.7	-84.18	143.0	-36.0	851.1	810.8	40.25	21.143	
10,800.0	10,721.2	10,724.6	10,720.2	24.8	14.8	-84.18	143.0	-36.0	851.1	810.7	40.36	21.086	
10,900.0	10,821.2	10,824.6	10,820.2	24.8	14.8	-84.18	143.0	-36.0	851.1	810.6	40.47	21.029	
11,000.0	10,921.2	10,924.6	10,920.2	24.9	14.9	-84.18	143.0	-36.0	851.1	810.5	40.58	20.972	
11,100.0	11,021.2	11,024.6	11,020.2	24.9	15.0	-84.18	143.0	-36.0	851.1	810.4	40.69	20.915	
11,200.0	11,121.2	11,124.6	11,120.2	25.0	15.1	-84.18	143.0	-36.0	851.1	810.3	40.80	20.858	
11,300.0	11,221.2	11,224.6	11,220.2	25.0	15.2	-84.18	143.0	-36.0	851.1	810.1	40.91	20.805	
11,339.3	11,260.5	11,264.0	11,259.5	25.0	15.2	-84.18	143.0	-36.0	851.1	810.1	40.93	20.795	
11,350.0	11,271.2	11,273.1	11,268.6	25.0	15.2	96.21	143.1	-36.1	851.1	810.4	40.70	20.910	
11,375.0	11,296.2	11,293.8	11,289.3	25.0	15.2	96.30	143.9	-36.1	851.3	810.6	40.68	20.926	
11,400.0	11,321.0	11,314.2	11,309.6	25.0	15.2	96.48	145.6	-36.1	851.8	811.2	40.65	20.956	
11,425.0	11,345.7	11,333.9	11,329.2	25.0	15.2	96.74	148.0	-36.1	852.7	812.1	40.60	21.001	
11,450.0	11,370.2	11,352.8	11,347.8	25.0	15.2	97.06	151.1	-36.1	853.8	813.3	40.54	21.060	
11,475.0	11,394.4	11,370.6	11,365.3	25.0	15.2	97.40	154.7	-36.2	855.4	814.9	40.47	21.136	
11,500.0	11,418.2	11,387.2	11,381.5	25.0	15.2	97.73	158.6	-36.2	857.4	817.1	40.39	21.229	
11,525.0	11,441.6	11,400.0	11,393.8	25.0	15.2	97.93	162.0	-36.2	860.0	819.7	40.29	21.344	
11,550.0	11,464.4	11,416.6	11,409.6	25.0	15.2	98.27	166.9	-36.3	863.1	822.9	40.19	21.475	
11,575.0	11,486.7	11,429.3	11,421.6	25.0	15.2	98.43	171.0	-36.3	866.8	826.7	40.08	21.629	
11,600.0	11,508.4	11,440.5	11,432.2	25.0	15.2	98.47	175.0	-36.3	871.2	831.2	39.95	21.805	
11,625.0	11,529.5	11,450.0	11,441.0	25.0	15.2	98.36	178.4	-36.4	876.3	836.4	39.83	22.002	
11,650.0	11,549.7	11,459.2	11,449.4	25.0	15.2	98.17	182.0	-36.4	882.1	842.4	39.70	22.221	
11,675.0	11,569.2	11,466.6	11,456.2	25.1	15.2	97.81	185.0	-36.4	888.6	849.0	39.56	22.461	
11,700.0	11,587.9	11,475.0	11,463.8	25.1	15.2	97.42	188.5	-36.5	895.9	856.4	39.42	22.725	
11,725.0	11,605.6	11,475.0	11,463.8	25.1	15.2	96.41	188.5	-36.5	903.9	864.6	39.30	22.999	
11,750.0	11,622.4	11,482.2	11,470.4	25.1	15.2	95.77	191.6	-36.5	912.6	873.4	39.16	23.305	
11,775.0	11,638.2	11,485.5	11,473.3	25.1	15.2	94.76	193.0	-36.5	922.0	882.9	39.02	23.626	
11,800.0	11,653.0	11,487.8	11,475.3	25.1	15.2	93.60	194.1	-36.5	932.0	893.1	38.89	23.965	
11,825.0	11,666.7	11,489.3	11,476.7	25.1	15.2	92.29	194.8	-36.5	942.7	904.0	38.76	24.322	
11,850.0	11,679.3	11,490.0	11,477.4	25.1	15.2	90.82	195.1	-36.5	954.0	915.4	38.63	24.695	
11,875.0	11,690.7	11,490.1	11,477.4	25.1	15.2	89.22	195.1	-36.5	965.8	927.3	38.50	25.084	
11,900.0	11,701.0	11,489.5	11,476.9	25.2	15.2	87.49	194.9	-36.5	978.1	939.7	38.37	25.487	
11,925.0	11,710.0	11,488.3	11,475.8	25.2	15.2	85.64	194.3	-36.5	990.8	952.5	38.25	25.904	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	24.95	184.2	85.7	203.2	196.2	6.98	29.105	
100.0	100.0	99.0	99.0	3.1	3.1	24.95	184.2	85.7	203.2	195.9	7.23	28.119	
200.0	200.0	199.0	199.0	3.2	3.2	24.95	184.2	85.7	203.2	195.7	7.47	27.198	
300.0	300.0	299.0	299.0	3.4	3.4	24.95	184.2	85.7	203.2	195.5	7.71	26.349	
400.0	400.0	399.0	399.0	3.5	3.5	24.95	184.2	85.7	203.2	195.2	7.95	25.560	
500.0	500.0	499.0	499.0	3.6	3.6	24.95	184.2	85.7	203.2	195.0	8.18	24.823	
600.0	600.0	599.0	599.0	3.7	3.7	24.95	184.2	85.7	203.2	194.8	8.42	24.134	
700.0	700.0	699.0	699.0	3.9	3.9	24.95	184.2	85.7	203.2	194.5	8.65	23.488	
800.0	800.0	799.0	799.0	4.0	4.0	24.95	184.2	85.7	203.2	194.3	8.88	22.879	
900.0	900.0	899.0	899.0	4.1	4.1	24.95	184.2	85.7	203.2	194.1	9.11	22.306	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	24.95	184.2	85.7	203.2	193.8	9.34	21.763	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	24.95	184.2	85.7	203.2	193.6	9.56	21.250	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	24.95	184.2	85.7	203.2	193.4	9.79	20.763	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	24.95	184.2	85.7	203.2	193.2	10.01	20.300	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	24.95	184.2	85.7	203.2	192.9	10.23	19.859	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	24.95	184.2	85.7	203.2	192.7	10.45	19.439	
1,600.0	1,600.0	1,595.4	1,595.4	4.9	4.9	-61.09	184.4	87.3	203.2	192.9	10.35	19.634	
1,700.0	1,699.8	1,691.8	1,691.7	5.1	5.1	-61.18	185.0	92.1	203.3	192.6	10.69	19.018	
1,800.0	1,799.5	1,788.2	1,787.7	5.3	5.3	-61.32	186.0	100.1	203.5	192.5	11.04	18.440	
1,900.0	1,898.7	1,887.7	1,886.7	5.6	5.5	-61.84	187.3	110.4	203.2	191.8	11.38	17.854	
2,000.0	1,997.5	1,987.6	1,986.0	5.9	5.7	-63.26	188.5	120.7	201.2	189.5	11.72	17.171	
2,100.0	2,095.6	2,087.2	2,085.1	6.3	6.0	-65.64	189.8	131.1	197.9	185.9	12.05	16.431	
2,200.0	2,193.4	2,186.7	2,184.0	6.5	6.2	-68.50	191.1	141.4	194.3	182.0	12.35	15.743	
2,300.0	2,291.3	2,286.1	2,282.9	6.9	6.5	-71.47	192.3	151.7	191.3	178.6	12.63	15.139	
2,400.0	2,389.1	2,385.6	2,381.8	7.2	6.8	-74.52	193.6	162.0	188.7	175.8	12.91	14.616	
2,500.0	2,486.9	2,485.0	2,480.7	7.5	7.1	-77.64	194.9	172.3	186.7	173.5	13.18	14.168	
2,600.0	2,584.7	2,584.5	2,579.6	7.9	7.4	-80.83	196.1	182.7	185.3	171.8	13.44	13.786	
2,700.0	2,682.5	2,683.9	2,678.5	8.2	7.7	-84.05	197.4	193.0	184.4	170.7	13.70	13.462	
2,791.4	2,771.9	2,774.8	2,768.9	8.6	8.0	-87.01	198.6	202.4	184.2	170.3	13.95	13.207 CC	
2,800.0	2,780.3	2,783.4	2,777.4	8.6	8.1	-87.29	198.7	203.3	184.2	170.2	13.97	13.184 ES	
2,900.0	2,878.1	2,882.8	2,876.3	9.0	8.4	-90.52	199.9	213.6	184.6	170.3	14.26	12.944	
3,000.0	2,976.0	2,982.3	2,975.2	9.4	8.7	-93.74	201.2	223.9	185.5	170.9	14.57	12.731	
3,100.0	3,073.8	3,081.7	3,074.1	9.8	9.1	-96.91	202.5	234.2	187.0	172.1	14.92	12.537	
3,200.0	3,171.6	3,181.2	3,173.0	10.2	9.4	-100.03	203.7	244.6	189.1	173.8	15.31	12.353	
3,300.0	3,269.4	3,280.6	3,271.9	10.6	9.8	-103.06	205.0	254.9	191.8	176.0	15.75	12.175	
3,400.0	3,367.2	3,380.1	3,370.8	11.0	10.1	-106.01	206.3	265.2	194.9	178.7	16.24	12.000	
3,500.0	3,465.0	3,479.5	3,469.8	11.5	10.5	-108.86	207.5	275.5	198.6	181.8	16.79	11.827	
3,600.0	3,562.8	3,578.9	3,568.7	11.9	10.9	-111.59	208.8	285.8	202.8	185.4	17.40	11.656	
3,700.0	3,660.7	3,678.4	3,667.6	12.3	11.2	-114.22	210.1	296.1	207.4	189.3	18.05	11.488	
3,800.0	3,758.5	3,777.8	3,766.5	12.8	11.6	-116.72	211.3	306.5	212.4	193.6	18.75	11.326	
3,900.0	3,856.3	3,877.3	3,865.4	13.2	12.0	-119.11	212.6	316.8	217.8	198.3	19.49	11.172	
4,000.0	3,954.1	3,976.7	3,964.3	13.6	12.3	-121.38	213.9	327.1	223.6	203.3	20.28	11.025	
4,100.0	4,051.9	4,076.2	4,063.2	14.1	12.7	-123.53	215.1	337.4	229.7	208.6	21.09	10.889	
4,200.0	4,149.7	4,174.5	4,160.9	14.5	13.1	-125.59	216.4	347.4	236.2	214.3	21.91	10.778	
4,300.0	4,247.5	4,271.4	4,257.5	15.0	13.4	-127.81	217.4	355.7	243.9	221.1	22.81	10.692	
4,400.0	4,345.4	4,368.0	4,353.9	15.4	13.8	-130.17	218.2	362.4	253.0	229.2	23.77	10.642	
4,500.0	4,443.2	4,464.1	4,449.8	15.9	14.1	-132.63	218.8	367.5	263.6	238.8	24.78	10.638 SF	
4,600.0	4,541.0	4,559.6	4,545.3	16.3	14.4	-135.14	219.2	371.0	275.7	249.9	25.80	10.686	
4,700.0	4,638.8	4,654.6	4,640.2	16.8	14.6	-137.65	219.5	372.9	289.6	262.7	26.83	10.794	
4,800.0	4,736.6	4,750.0	4,735.6	17.2	14.8	-140.15	219.5	373.2	305.1	277.3	27.80	10.976	
4,900.0	4,834.4	4,847.8	4,833.4	17.7	14.8	-142.50	219.5	373.2	321.5	292.7	28.71	11.197	
5,000.0	4,932.3	4,945.6	4,931.3	18.1	14.9	-144.63	219.5	373.2	338.3	308.7	29.58	11.435	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,030.1	5,043.4	5,029.1	18.6	14.9	-146.56	219.5	373.2	355.6	325.2	30.43	11.685	
5,105.0	5,035.0	5,048.4	5,034.0	18.6	14.9	-146.65	219.5	373.2	356.5	326.0	30.47	11.698	
5,200.0	5,128.0	5,141.4	5,127.0	19.0	15.0	-148.33	219.5	373.2	372.6	341.3	31.23	11.932	
5,300.0	5,226.3	5,239.7	5,225.3	19.5	15.0	-149.82	219.5	373.2	388.3	356.4	31.97	12.148	
5,400.0	5,325.0	5,338.3	5,324.0	19.9	15.1	-151.08	219.5	373.2	402.8	370.2	32.66	12.333	
5,500.0	5,423.8	5,437.2	5,422.8	20.4	15.1	-152.13	219.5	373.2	415.9	382.6	33.32	12.485	
5,600.0	5,523.0	5,536.3	5,522.0	20.8	15.2	-153.00	219.5	373.2	427.6	393.7	33.93	12.602	
5,700.0	5,622.3	5,635.7	5,621.3	21.2	15.2	-153.72	219.5	373.2	437.8	403.3	34.51	12.686	
5,800.0	5,721.9	5,735.2	5,720.9	21.6	15.3	-154.31	219.5	373.2	446.5	411.5	35.06	12.736	
5,900.0	5,821.5	5,834.9	5,820.5	22.0	15.3	-154.78	219.5	373.2	453.7	418.1	35.57	12.754	
6,000.0	5,921.3	5,934.7	5,920.3	22.3	15.4	-155.13	219.5	373.2	459.3	423.3	36.05	12.742	
6,100.0	6,021.2	6,034.6	6,020.2	22.6	15.4	-155.38	219.5	373.2	463.4	426.9	36.48	12.701	
6,200.0	6,121.2	6,134.6	6,120.2	22.9	15.5	-155.53	219.5	373.2	465.8	429.0	36.86	12.637	
6,300.0	6,221.2	6,234.6	6,220.2	23.1	15.6	-155.58	219.5	373.2	466.7	429.6	37.08	12.585	
6,305.0	6,226.2	6,239.6	6,225.2	23.1	15.6	-69.58	219.5	373.2	466.7	429.6	37.09	12.581	
6,400.0	6,321.2	6,334.6	6,320.2	23.1	15.6	-69.58	219.5	373.2	466.7	429.5	37.17	12.554	
6,500.0	6,421.2	6,434.6	6,420.2	23.2	15.7	-69.58	219.5	373.2	466.7	429.4	37.26	12.525	
6,600.0	6,521.2	6,534.6	6,520.2	23.2	15.7	-69.58	219.5	373.2	466.7	429.3	37.35	12.495	
6,700.0	6,621.2	6,634.6	6,620.2	23.2	15.8	-69.58	219.5	373.2	466.7	429.3	37.44	12.466	
6,800.0	6,721.2	6,734.6	6,720.2	23.3	15.8	-69.58	219.5	373.2	466.7	429.2	37.53	12.436	
6,900.0	6,821.2	6,834.6	6,820.2	23.3	15.9	-69.58	219.5	373.2	466.7	429.1	37.62	12.407	
7,000.0	6,921.2	6,934.6	6,920.2	23.3	15.9	-69.58	219.5	373.2	466.7	429.0	37.71	12.377	
7,100.0	7,021.2	7,034.6	7,020.2	23.4	16.0	-69.58	219.5	373.2	466.7	428.9	37.80	12.347	
7,200.0	7,121.2	7,134.6	7,120.2	23.4	16.1	-69.58	219.5	373.2	466.7	428.8	37.89	12.318	
7,300.0	7,221.2	7,234.6	7,220.2	23.4	16.1	-69.58	219.5	373.2	466.7	428.7	37.98	12.288	
7,400.0	7,321.2	7,334.6	7,320.2	23.5	16.2	-69.58	219.5	373.2	466.7	428.6	38.07	12.259	
7,500.0	7,421.2	7,434.6	7,420.2	23.5	16.2	-69.58	219.5	373.2	466.7	428.5	38.16	12.229	
7,600.0	7,521.2	7,534.6	7,520.2	23.5	16.3	-69.58	219.5	373.2	466.7	428.4	38.26	12.199	
7,700.0	7,621.2	7,634.6	7,620.2	23.6	16.3	-69.58	219.5	373.2	466.7	428.3	38.35	12.170	
7,800.0	7,721.2	7,734.6	7,720.2	23.6	16.4	-69.58	219.5	373.2	466.7	428.3	38.44	12.140	
7,900.0	7,821.2	7,834.6	7,820.2	23.6	16.5	-69.58	219.5	373.2	466.7	428.2	38.54	12.110	
8,000.0	7,921.2	7,934.6	7,920.2	23.7	16.5	-69.58	219.5	373.2	466.7	428.1	38.63	12.081	
8,100.0	8,021.2	8,034.6	8,020.2	23.7	16.6	-69.58	219.5	373.2	466.7	428.0	38.73	12.051	
8,200.0	8,121.2	8,134.6	8,120.2	23.8	16.6	-69.58	219.5	373.2	466.7	427.9	38.82	12.021	
8,300.0	8,221.2	8,234.6	8,220.2	23.8	16.7	-69.58	219.5	373.2	466.7	427.8	38.92	11.992	
8,400.0	8,321.2	8,334.6	8,320.2	23.8	16.8	-69.58	219.5	373.2	466.7	427.7	39.01	11.962	
8,500.0	8,421.2	8,434.6	8,420.2	23.9	16.8	-69.58	219.5	373.2	466.7	427.6	39.11	11.933	
8,600.0	8,521.2	8,534.6	8,520.2	23.9	16.9	-69.58	219.5	373.2	466.7	427.5	39.21	11.903	
8,700.0	8,621.2	8,634.6	8,620.2	23.9	16.9	-69.58	219.5	373.2	466.7	427.4	39.31	11.873	
8,800.0	8,721.2	8,734.6	8,720.2	24.0	17.0	-69.58	219.5	373.2	466.7	427.3	39.40	11.844	
8,900.0	8,821.2	8,834.6	8,820.2	24.0	17.1	-69.58	219.5	373.2	466.7	427.2	39.50	11.814	
9,000.0	8,921.2	8,934.6	8,920.2	24.1	17.1	-69.58	219.5	373.2	466.7	427.1	39.60	11.785	
9,100.0	9,021.2	9,034.6	9,020.2	24.1	17.2	-69.58	219.5	373.2	466.7	427.0	39.70	11.755	
9,200.0	9,121.2	9,134.6	9,120.2	24.1	17.2	-69.58	219.5	373.2	466.7	426.9	39.80	11.726	
9,300.0	9,221.2	9,234.6	9,220.2	24.2	17.3	-69.58	219.5	373.2	466.7	426.8	39.90	11.696	
9,400.0	9,321.2	9,334.6	9,320.2	24.2	17.4	-69.58	219.5	373.2	466.7	426.7	40.00	11.667	
9,500.0	9,421.2	9,434.6	9,420.2	24.3	17.4	-69.58	219.5	373.2	466.7	426.6	40.10	11.638	
9,600.0	9,521.2	9,534.6	9,520.2	24.3	17.5	-69.58	219.5	373.2	466.7	426.5	40.20	11.608	
9,700.0	9,621.2	9,634.6	9,620.2	24.3	17.5	-69.58	219.5	373.2	466.7	426.4	40.30	11.579	
9,800.0	9,721.2	9,734.6	9,720.2	24.4	17.6	-69.58	219.5	373.2	466.7	426.3	40.41	11.550	
9,900.0	9,821.2	9,834.6	9,820.2	24.4	17.7	-69.58	219.5	373.2	466.7	426.2	40.51	11.521	
10,000.0	9,921.2	9,934.6	9,920.2	24.5	17.7	-69.58	219.5	373.2	466.7	426.1	40.61	11.491	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		Separation Factor		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
10,100.0	10,021.2	10,034.6	10,020.2	24.5	17.8	-69.58	219.5	373.2	466.7	426.0	40.72	11.462	
10,200.0	10,121.2	10,134.6	10,120.2	24.5	17.9	-69.58	219.5	373.2	466.7	425.9	40.82	11.433	
10,300.0	10,221.2	10,234.6	10,220.2	24.6	17.9	-69.58	219.5	373.2	466.7	425.8	40.92	11.404	
10,400.0	10,321.2	10,334.6	10,320.2	24.6	18.0	-69.58	219.5	373.2	466.7	425.7	41.03	11.375	
10,500.0	10,421.2	10,434.6	10,420.2	24.7	18.0	-69.58	219.5	373.2	466.7	425.6	41.13	11.346	
10,600.0	10,521.2	10,534.6	10,520.2	24.7	18.1	-69.58	219.5	373.2	466.7	425.5	41.24	11.317	
10,700.0	10,621.2	10,634.6	10,620.2	24.7	18.2	-69.58	219.5	373.2	466.7	425.4	41.34	11.288	
10,800.0	10,721.2	10,734.6	10,720.2	24.8	18.2	-69.58	219.5	373.2	466.7	425.2	41.45	11.259	
10,900.0	10,821.2	10,834.6	10,820.2	24.8	18.3	-69.58	219.5	373.2	466.7	425.1	41.56	11.231	
11,000.0	10,921.2	10,934.6	10,920.2	24.9	18.4	-69.58	219.5	373.2	466.7	425.0	41.66	11.202	
11,100.0	11,021.2	11,034.6	11,020.2	24.9	18.4	-69.58	219.5	373.2	466.7	424.9	41.77	11.173	
11,200.0	11,121.2	11,134.6	11,120.2	25.0	18.5	-69.58	219.5	373.2	466.7	424.8	41.88	11.145	
11,300.0	11,221.2	11,234.6	11,220.2	25.0	18.6	-69.58	219.5	373.2	466.7	424.7	41.98	11.116	
11,339.3	11,260.5	11,273.9	11,259.5	25.0	18.6	-69.58	219.5	373.2	466.7	424.7	42.01	11.108	
11,350.0	11,271.2	11,284.6	11,270.2	25.0	18.6	110.80	219.5	373.2	466.7	424.8	41.89	11.143	
11,375.0	11,296.2	11,309.5	11,295.2	25.0	18.6	110.89	219.5	373.2	467.2	425.3	41.88	11.154	
11,400.0	11,321.0	11,334.4	11,320.0	25.0	18.6	111.08	219.5	373.2	468.1	426.2	41.85	11.184	
11,425.0	11,345.7	11,359.1	11,344.7	25.0	18.6	111.35	219.5	373.2	469.5	427.7	41.80	11.232	
11,450.0	11,370.2	11,383.6	11,369.2	25.0	18.6	111.71	219.5	373.2	471.4	429.7	41.72	11.299	
11,475.0	11,394.4	11,407.7	11,393.4	25.0	18.7	112.13	219.5	373.2	473.8	432.2	41.61	11.387	
11,500.0	11,418.2	11,431.5	11,417.2	25.0	18.7	112.61	219.5	373.2	476.9	435.4	41.47	11.498	
11,525.0	11,441.6	11,449.9	11,435.5	25.0	18.7	112.91	219.5	373.2	480.5	439.3	41.28	11.642	
11,550.0	11,464.4	11,469.2	11,454.8	25.0	18.7	113.29	219.9	373.2	485.1	444.1	40.97	11.840	
11,575.0	11,486.7	11,484.0	11,469.6	25.0	18.7	113.48	220.7	373.2	490.7	450.0	40.69	12.057	
11,600.0	11,508.4	11,500.0	11,485.5	25.0	18.7	113.73	222.2	373.2	497.3	456.9	40.40	12.310	
11,625.0	11,529.5	11,510.6	11,496.1	25.0	18.7	113.57	223.4	373.2	505.1	465.0	40.08	12.603	
11,650.0	11,549.7	11,525.0	11,510.3	25.0	18.7	113.63	225.4	373.2	514.1	474.3	39.75	12.932	
11,675.0	11,569.2	11,532.7	11,517.9	25.1	18.7	113.06	226.7	373.2	524.1	484.7	39.42	13.297	
11,700.0	11,587.9	11,542.1	11,527.1	25.1	18.7	112.49	228.4	373.2	535.4	496.3	39.08	13.698	
11,725.0	11,605.6	11,550.0	11,534.9	25.1	18.7	111.66	230.0	373.2	547.7	508.9	38.75	14.132	
11,750.0	11,622.4	11,557.6	11,542.3	25.1	18.7	110.63	231.6	373.1	561.1	522.6	38.43	14.599	
11,775.0	11,638.2	11,563.8	11,548.3	25.1	18.7	109.29	233.0	373.1	575.5	537.4	38.12	15.095	
11,800.0	11,653.0	11,569.0	11,553.4	25.1	18.7	107.65	234.3	373.1	590.8	553.0	37.83	15.618	
11,825.0	11,666.7	11,575.0	11,559.2	25.1	18.7	105.88	235.8	373.1	607.1	569.5	37.54	16.171	
11,850.0	11,679.3	11,575.0	11,559.2	25.1	18.7	103.19	235.8	373.1	624.1	586.8	37.30	16.729	
11,875.0	11,690.7	11,575.0	11,559.2	25.1	18.7	100.23	235.8	373.1	641.8	604.7	37.08	17.309	
11,900.0	11,701.0	11,575.0	11,559.2	25.2	18.7	97.01	235.8	373.1	660.2	623.3	36.87	17.908	
11,925.0	11,710.0	11,582.3	11,566.3	25.2	18.7	94.51	237.8	373.1	679.0	642.4	36.59	18.557	
11,950.0	11,717.8	11,582.8	11,566.7	25.2	18.7	90.92	237.9	373.1	698.3	662.0	36.38	19.194	
11,975.0	11,724.4	11,582.6	11,566.6	25.2	18.7	87.07	237.9	373.1	718.0	681.8	36.19	19.843	
12,000.0	11,729.7	11,575.0	11,559.2	25.2	18.7	82.12	235.8	373.1	738.1	702.0	36.06	20.466	
12,025.0	11,733.7	11,575.0	11,559.2	25.3	18.7	78.10	235.8	373.1	758.2	722.3	35.87	21.139	
12,050.0	11,736.4	11,575.0	11,559.2	25.3	18.7	74.07	235.8	373.1	778.5	742.8	35.67	21.822	
12,075.0	11,737.8	11,575.0	11,559.2	25.3	18.7	70.08	235.8	373.1	798.8	763.3	35.48	22.515	
12,089.3	11,738.0	11,575.0	11,559.2	25.3	18.7	67.83	235.8	373.1	810.5	775.1	35.37	22.915	
12,100.0	11,738.0	11,575.0	11,559.2	25.3	18.7	67.83	235.8	373.1	819.2	783.9	35.29	23.215	
12,200.0	11,738.0	11,564.4	11,549.0	25.5	18.7	66.69	233.2	373.1	902.7	867.9	34.73	25.992	
12,300.0	11,738.0	11,550.0	11,534.9	25.6	18.7	65.15	230.0	373.2	989.0	954.7	34.34	28.802	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	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)		
0.0	0.0	0.0	0.0	3.0	3.0	33.49	167.5	110.8	200.8	193.8	6.98		
100.0	100.0	100.0	100.0	3.1	3.1	33.49	167.5	110.8	200.8	193.6	7.23		
200.0	200.0	200.0	200.0	3.2	3.2	33.49	167.5	110.8	200.8	193.3	7.47		
300.0	300.0	300.0	300.0	3.4	3.4	33.49	167.5	110.8	200.8	193.1	7.71		
400.0	400.0	400.0	400.0	3.5	3.5	33.49	167.5	110.8	200.8	192.9	7.94		
500.0	500.0	500.0	500.0	3.6	3.6	33.49	167.5	110.8	200.8	192.6	8.18		
600.0	600.0	600.0	600.0	3.7	3.7	33.49	167.5	110.8	200.8	192.4	8.40		
700.0	700.0	700.0	700.0	3.9	3.9	33.49	167.5	110.8	200.8	192.2	8.63		
800.0	800.0	800.0	800.0	4.0	4.0	33.49	167.5	110.8	200.8	192.0	8.86		
900.0	900.0	900.0	900.0	4.1	4.1	33.49	167.5	110.8	200.8	191.7	9.08		
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	33.49	167.5	110.8	200.8	191.5	9.30		
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	33.49	167.5	110.8	200.8	191.3	9.52		
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	33.49	167.5	110.8	200.8	191.1	9.74		
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	33.49	167.5	110.8	200.8	190.9	9.95		
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	33.49	167.5	110.8	200.8	190.6	10.17		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	33.49	167.5	110.8	200.8	190.4	10.38		
1,600.0	1,600.0	1,595.8	1,595.8	4.9	4.9	-52.53	167.6	112.4	200.8	190.5	10.30		
1,700.0	1,699.8	1,691.6	1,691.5	5.1	5.0	-52.59	168.0	117.2	200.7	190.1	10.67		
1,800.0	1,799.5	1,787.5	1,787.0	5.3	5.2	-52.70	168.7	125.2	200.6	189.6	11.04		
1,900.0	1,898.7	1,883.3	1,882.2	5.6	5.5	-52.85	169.7	136.3	200.5	189.0	11.43		
2,000.0	1,997.5	1,979.2	1,977.0	5.9	5.8	-53.04	171.0	150.6	200.3	188.4	11.84		
2,100.0	2,095.6	2,078.3	2,074.6	6.3	6.1	-53.52	172.4	167.7	199.4	187.2	12.25		
2,200.0	2,193.4	2,178.2	2,173.0	6.5	6.4	-54.38	174.0	185.0	197.6	185.0	12.64		
2,300.0	2,291.3	2,278.2	2,271.4	6.9	6.7	-55.27	175.5	202.3	195.9	182.8	13.04		
2,400.0	2,389.1	2,378.1	2,369.8	7.2	7.0	-56.16	177.0	219.6	194.1	180.7	13.45		
2,500.0	2,486.9	2,478.0	2,468.2	7.5	7.3	-57.08	178.5	236.9	192.5	178.6	13.87		
2,600.0	2,584.7	2,578.0	2,566.7	7.9	7.7	-58.01	180.0	254.1	190.9	176.6	14.28		
2,700.0	2,682.5	2,677.9	2,665.1	8.2	8.0	-58.95	181.5	271.4	189.3	174.6	14.70		
2,800.0	2,780.3	2,777.8	2,763.5	8.6	8.4	-59.91	183.0	288.7	187.8	172.7	15.11		
2,900.0	2,878.1	2,877.8	2,861.9	9.0	8.8	-60.89	184.5	306.0	186.3	170.8	15.52		
3,000.0	2,976.0	2,977.7	2,960.3	9.4	9.2	-61.88	186.1	323.3	184.9	169.0	15.92		
3,100.0	3,073.8	3,077.7	3,058.8	9.8	9.5	-62.88	187.6	340.6	183.5	167.2	16.31		
3,200.0	3,171.6	3,177.6	3,157.2	10.2	9.9	-63.90	189.1	357.9	182.3	165.6	16.70		
3,300.0	3,269.4	3,277.5	3,255.6	10.6	10.3	-64.94	190.6	375.2	181.0	163.9	17.07		
3,400.0	3,367.2	3,377.5	3,354.0	11.0	10.7	-65.99	192.1	392.5	179.8	162.4	17.44		
3,500.0	3,465.0	3,477.4	3,452.4	11.5	11.1	-67.05	193.6	409.7	178.7	160.9	17.80		
3,600.0	3,562.8	3,577.4	3,550.9	11.9	11.6	-68.12	195.1	427.0	177.7	159.5	18.14		
3,700.0	3,660.7	3,677.3	3,649.3	12.3	12.0	-69.21	196.6	444.3	176.7	158.2	18.48		
3,800.0	3,758.5	3,777.2	3,747.7	12.8	12.4	-70.31	198.2	461.6	175.8	157.0	18.80		
3,900.0	3,856.3	3,877.2	3,846.1	13.2	12.8	-71.42	199.7	478.9	174.9	155.8	19.12		
4,000.0	3,954.1	3,977.1	3,944.5	13.6	13.2	-72.54	201.2	496.2	174.1	154.7	19.43		
4,100.0	4,051.9	4,077.0	4,043.0	14.1	13.7	-73.67	202.7	513.5	173.4	153.7	19.72		
4,200.0	4,149.7	4,177.0	4,141.4	14.5	14.1	-74.81	204.2	530.8	172.7	152.7	20.02		
4,300.0	4,247.5	4,276.9	4,239.8	15.0	14.5	-75.96	205.7	548.0	172.1	151.8	20.30		
4,400.0	4,345.4	4,376.9	4,338.2	15.4	14.9	-77.11	207.2	565.3	171.6	151.0	20.58		
4,500.0	4,443.2	4,476.8	4,436.6	15.9	15.4	-78.27	208.7	582.6	171.2	150.3	20.86		
4,600.0	4,541.0	4,576.7	4,535.1	16.3	15.8	-79.44	210.3	599.9	170.8	149.7	21.13		
4,700.0	4,638.8	4,676.8	4,633.6	16.8	16.2	-80.64	211.8	617.1	170.5	149.1	21.37		
4,800.0	4,736.6	4,776.9	4,732.4	17.2	16.6	-82.09	213.2	633.7	170.1	148.5	21.61		
4,900.0	4,834.4	4,877.0	4,831.2	17.7	17.1	-83.83	214.6	649.3	169.8	147.9	21.84		
5,000.0	4,932.3	4,977.0	4,930.1	18.1	17.5	-85.87	215.9	664.1	169.5	147.4	22.07		
5,097.7	5,027.8	5,074.6	5,026.7	18.6	17.9	-88.15	217.1	677.7	169.4	147.0	22.31	7.591 CC	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,030.1	5,076.9	5,029.0	18.6	17.9	-88.20	217.1	678.0	169.4	147.0	22.32	7.588	
5,105.0	5,035.0	5,081.9	5,033.9	18.6	17.9	-88.33	217.2	678.7	169.4	147.0	22.33	7.584	
5,200.0	5,128.0	5,176.7	5,127.9	19.0	18.3	-90.57	218.2	691.1	169.5	146.9	22.61	7.497	
5,300.0	5,226.3	5,276.4	5,226.9	19.5	18.7	-92.63	219.3	703.3	169.9	146.9	22.95	7.401	
5,400.0	5,325.0	5,376.2	5,326.1	19.9	19.1	-94.40	220.3	714.6	170.4	147.1	23.33	7.305	
5,500.0	5,423.8	5,476.0	5,425.3	20.4	19.5	-95.86	221.2	725.0	171.0	147.3	23.71	7.211	
5,600.0	5,523.0	5,575.8	5,524.6	20.8	19.9	-97.02	222.0	734.7	171.5	147.5	24.09	7.120	
5,700.0	5,622.3	5,675.6	5,624.1	21.2	20.3	-97.88	222.8	743.4	172.0	147.6	24.45	7.036	
5,800.0	5,721.9	5,775.4	5,723.5	21.6	20.7	-98.46	223.5	751.3	172.4	147.7	24.78	6.959	
5,900.0	5,821.5	5,875.2	5,823.1	22.0	21.0	-98.74	224.1	758.3	172.7	147.6	25.06	6.890	
6,000.0	5,921.3	5,975.0	5,922.7	22.3	21.4	-98.74	224.7	764.4	172.8	147.5	25.30	6.830	
6,100.0	6,021.2	6,074.8	6,022.3	22.6	21.7	-98.45	225.1	769.7	172.8	147.3	25.49	6.778	
6,200.0	6,121.2	6,174.6	6,122.0	22.9	22.1	-97.88	225.5	774.1	172.6	147.0	25.63	6.735	
6,300.0	6,221.2	6,274.4	6,221.8	23.1	22.4	-97.01	225.8	777.7	172.3	146.6	25.72	6.700	
6,305.0	6,226.2	6,279.4	6,226.8	23.1	22.4	-10.96	225.8	777.9	172.3	146.6	25.72	6.698	
6,400.0	6,321.2	6,374.2	6,321.6	23.1	22.7	-10.12	226.1	780.4	172.0	146.3	25.79	6.671	
6,500.0	6,421.2	6,474.1	6,421.4	23.2	23.0	-9.51	226.2	782.2	171.9	146.0	25.90	6.637	
6,600.0	6,521.2	6,574.0	6,521.3	23.2	23.2	-9.19	226.3	783.2	171.8	145.8	26.02	6.602	
6,683.9	6,605.1	6,657.8	6,605.1	23.2	23.3	-9.13	226.3	783.3	171.8	145.7	26.12	6.578	
6,700.0	6,621.2	6,673.9	6,621.2	23.2	23.3	-9.13	226.3	783.3	171.8	145.7	26.14	6.574	
6,800.0	6,721.2	6,773.9	6,721.2	23.3	23.3	-9.13	226.3	783.3	171.8	145.5	26.26	6.543	
6,900.0	6,821.2	6,873.9	6,821.2	23.3	23.3	-9.13	226.3	783.3	171.8	145.4	26.39	6.510	
7,000.0	6,921.2	6,973.9	6,921.2	23.3	23.4	-9.13	226.3	783.3	171.8	145.3	26.52	6.478	
7,100.0	7,021.2	7,073.9	7,021.2	23.4	23.4	-9.13	226.3	783.3	171.8	145.2	26.65	6.446	
7,200.0	7,121.2	7,173.9	7,121.2	23.4	23.4	-9.13	226.3	783.3	171.8	145.0	26.78	6.414	
7,300.0	7,221.2	7,273.9	7,221.2	23.4	23.5	-9.13	226.3	783.3	171.8	144.9	26.92	6.383	
7,400.0	7,321.2	7,373.9	7,321.2	23.5	23.5	-9.13	226.3	783.3	171.8	144.8	27.05	6.352	
7,500.0	7,421.2	7,473.9	7,421.2	23.5	23.5	-9.13	226.3	783.3	171.8	144.6	27.18	6.321	
7,600.0	7,521.2	7,573.9	7,521.2	23.5	23.6	-9.13	226.3	783.3	171.8	144.5	27.31	6.290	
7,700.0	7,621.2	7,673.9	7,621.2	23.6	23.6	-9.13	226.3	783.3	171.8	144.4	27.45	6.259	
7,800.0	7,721.2	7,773.9	7,721.2	23.6	23.7	-9.13	226.3	783.3	171.8	144.2	27.58	6.229	
7,900.0	7,821.2	7,873.9	7,821.2	23.6	23.7	-9.13	226.3	783.3	171.8	144.1	27.71	6.199	
8,000.0	7,921.2	7,973.9	7,921.2	23.7	23.7	-9.13	226.3	783.3	171.8	144.0	27.85	6.169	
8,100.0	8,021.2	8,073.9	8,021.2	23.7	23.8	-9.13	226.3	783.3	171.8	143.8	27.98	6.140	
8,200.0	8,121.2	8,173.9	8,121.2	23.8	23.8	-9.13	226.3	783.3	171.8	143.7	28.12	6.110	
8,300.0	8,221.2	8,273.9	8,221.2	23.8	23.8	-9.13	226.3	783.3	171.8	143.6	28.25	6.081	
8,400.0	8,321.2	8,373.9	8,321.2	23.8	23.9	-9.13	226.3	783.3	171.8	143.4	28.39	6.052	
8,500.0	8,421.2	8,473.9	8,421.2	23.9	23.9	-9.13	226.3	783.3	171.8	143.3	28.52	6.023	
8,600.0	8,521.2	8,573.9	8,521.2	23.9	23.9	-9.13	226.3	783.3	171.8	143.1	28.66	5.995	
8,700.0	8,621.2	8,673.9	8,621.2	23.9	24.0	-9.13	226.3	783.3	171.8	143.0	28.80	5.966	
8,800.0	8,721.2	8,773.9	8,721.2	24.0	24.0	-9.13	226.3	783.3	171.8	142.9	28.93	5.938	
8,900.0	8,821.2	8,873.9	8,821.2	24.0	24.1	-9.13	226.3	783.3	171.8	142.7	29.07	5.910	
9,000.0	8,921.2	8,973.9	8,921.2	24.1	24.1	-9.13	226.3	783.3	171.8	142.6	29.21	5.883	
9,100.0	9,021.2	9,073.9	9,021.2	24.1	24.1	-9.13	226.3	783.3	171.8	142.5	29.34	5.855	
9,200.0	9,121.2	9,173.9	9,121.2	24.1	24.2	-9.13	226.3	783.3	171.8	142.3	29.48	5.828	
9,300.0	9,221.2	9,273.9	9,221.2	24.2	24.2	-9.13	226.3	783.3	171.8	142.2	29.62	5.801	
9,400.0	9,321.2	9,373.9	9,321.2	24.2	24.2	-9.13	226.3	783.3	171.8	142.0	29.75	5.774	
9,500.0	9,421.2	9,473.9	9,421.2	24.3	24.3	-9.13	226.3	783.3	171.8	141.9	29.89	5.747	
9,600.0	9,521.2	9,573.9	9,521.2	24.3	24.3	-9.13	226.3	783.3	171.8	141.8	30.03	5.721	
9,700.0	9,621.2	9,673.9	9,621.2	24.3	24.4	-9.13	226.3	783.3	171.8	141.6	30.17	5.695	
9,800.0	9,721.2	9,773.9	9,721.2	24.4	24.4	-9.13	226.3	783.3	171.8	141.5	30.31	5.668	
9,900.0	9,821.2	9,873.9	9,821.2	24.4	24.4	-9.13	226.3	783.3	171.8	141.4	30.45	5.643	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	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	9,921.2	9,973.9	9,921.2	24.5	24.5	-9.13	226.3	783.3	171.8	141.2	30.59	5.617	
10,100.0	10,021.2	10,073.9	10,021.2	24.5	24.5	-9.13	226.3	783.3	171.8	141.1	30.73	5.591	
10,200.0	10,121.2	10,173.9	10,121.2	24.5	24.6	-9.13	226.3	783.3	171.8	140.9	30.87	5.566	
10,300.0	10,221.2	10,273.9	10,221.2	24.6	24.6	-9.13	226.3	783.3	171.8	140.8	31.01	5.541	
10,400.0	10,321.2	10,373.9	10,321.2	24.6	24.6	-9.13	226.3	783.3	171.8	140.7	31.15	5.516	
10,500.0	10,421.2	10,473.9	10,421.2	24.7	24.7	-9.13	226.3	783.3	171.8	140.5	31.29	5.491	
10,600.0	10,521.2	10,573.9	10,521.2	24.7	24.7	-9.13	226.3	783.3	171.8	140.4	31.43	5.467	
10,700.0	10,621.2	10,673.9	10,621.2	24.7	24.8	-9.13	226.3	783.3	171.8	140.2	31.57	5.442	
10,800.0	10,721.2	10,773.9	10,721.2	24.8	24.8	-9.13	226.3	783.3	171.8	140.1	31.71	5.418	
10,900.0	10,821.2	10,873.9	10,821.2	24.8	24.9	-9.13	226.3	783.3	171.8	140.0	31.85	5.394	
11,000.0	10,921.2	10,973.9	10,921.2	24.9	24.9	-9.13	226.3	783.3	171.8	139.8	31.99	5.370	
11,100.0	11,021.2	11,073.9	11,021.2	24.9	24.9	-9.13	226.3	783.3	171.8	139.7	32.13	5.347	
11,200.0	11,121.2	11,173.9	11,121.2	25.0	25.0	-9.13	226.3	783.3	171.8	139.5	32.27	5.323	
11,300.0	11,221.2	11,273.9	11,221.2	25.0	25.0	-9.13	226.3	783.3	171.8	139.4	32.42	5.300	
11,339.3	11,260.5	11,313.2	11,260.5	25.0	25.0	-9.13	226.3	783.3	171.8	139.4	32.45	5.295 ES, SF	
11,350.0	11,271.2	11,321.4	11,268.7	25.0	25.0	171.24	226.4	783.3	172.0	139.8	32.23	5.336	
11,375.0	11,296.2	11,339.7	11,287.0	25.0	25.0	171.28	227.0	783.3	174.0	141.8	32.28	5.392	
11,400.0	11,321.0	11,357.7	11,305.0	25.0	25.0	171.36	228.3	783.3	178.3	145.9	32.38	5.507	
11,425.0	11,345.7	11,375.0	11,322.1	25.0	25.0	171.45	230.2	783.3	184.7	152.2	32.53	5.678	
11,450.0	11,370.2	11,392.1	11,339.1	25.0	25.0	171.57	232.7	783.3	193.2	160.5	32.72	5.905	
11,475.0	11,394.4	11,408.2	11,354.9	25.0	25.0	171.68	235.5	783.3	203.7	170.8	32.96	6.181	
11,500.0	11,418.2	11,425.0	11,371.3	25.0	25.0	171.81	239.1	783.2	216.1	183.0	33.17	6.515	
11,525.0	11,441.6	11,437.3	11,383.2	25.0	25.0	171.83	242.1	783.2	230.3	196.7	33.54	6.866	
11,550.0	11,464.4	11,450.0	11,395.5	25.0	25.0	171.84	245.5	783.2	246.0	212.2	33.86	7.266	
11,575.0	11,486.7	11,462.0	11,407.0	25.0	25.0	171.80	249.0	783.1	263.2	229.1	34.17	7.705	
11,600.0	11,508.4	11,475.0	11,419.3	25.0	25.0	171.75	253.1	783.1	281.8	247.4	34.38	8.195	
11,625.0	11,529.5	11,482.1	11,426.0	25.0	25.0	171.46	255.5	783.1	301.5	266.7	34.78	8.668	
11,650.0	11,549.7	11,490.5	11,433.8	25.0	25.0	171.12	258.5	783.0	322.2	287.2	35.07	9.189	
11,675.0	11,569.2	11,500.0	11,442.7	25.1	25.0	170.75	262.0	783.0	343.9	308.7	35.25	9.756	
11,700.0	11,587.9	11,500.0	11,442.7	25.1	25.0	169.71	262.0	783.0	366.4	330.7	35.72	10.256	
11,725.0	11,605.6	11,509.3	11,451.2	25.1	25.1	168.98	265.6	783.0	389.4	353.7	35.79	10.880	
11,750.0	11,622.4	11,513.6	11,455.2	25.1	25.1	167.56	267.3	783.0	413.1	377.1	35.99	11.479	
11,775.0	11,638.2	11,517.1	11,458.3	25.1	25.1	165.41	268.7	783.0	437.2	401.0	36.15	12.092	
11,800.0	11,653.0	11,525.0	11,465.5	25.1	25.1	162.96	272.1	782.9	461.7	425.5	36.14	12.776	
11,825.0	11,666.7	11,525.0	11,465.5	25.1	25.1	156.78	272.1	782.9	486.3	450.0	36.31	13.393	
11,850.0	11,679.3	11,525.0	11,465.5	25.1	25.1	143.35	272.1	782.9	511.2	474.7	36.44	14.029	
11,875.0	11,690.7	11,525.0	11,465.5	25.1	25.1	106.87	272.1	782.9	536.1	499.6	36.52	14.680	
11,900.0	11,701.0	11,525.0	11,465.5	25.2	25.1	51.76	272.1	782.9	561.1	524.5	36.56	15.345	
11,925.0	11,710.0	11,525.0	11,465.5	25.2	25.1	27.43	272.1	782.9	586.0	549.4	36.57	16.023	
11,950.0	11,717.8	11,525.0	11,465.5	25.2	25.1	17.82	272.1	782.9	610.8	574.3	36.55	16.713	
11,975.0	11,724.4	11,525.0	11,465.5	25.2	25.1	12.99	272.1	782.9	635.5	599.0	36.50	17.412	
12,000.0	11,729.7	11,516.9	11,458.1	25.2	25.1	9.62	268.7	783.0	659.8	623.2	36.60	18.031	
12,025.0	11,733.7	11,514.2	11,455.7	25.3	25.1	7.81	267.6	783.0	684.0	647.4	36.55	18.715	
12,050.0	11,736.4	11,511.1	11,452.9	25.3	25.1	6.54	266.3	783.0	707.8	671.3	36.48	19.401	
12,075.0	11,737.8	11,507.7	11,449.7	25.3	25.1	5.60	265.0	783.0	731.2	694.8	36.40	20.087	
12,089.3	11,738.0	11,500.0	11,442.7	25.3	25.0	5.08	262.0	783.0	744.5	708.1	36.46	20.423	
12,100.0	11,738.0	11,500.0	11,442.7	25.3	25.0	5.08	262.0	783.0	754.3	718.0	36.39	20.732	
12,200.0	11,738.0	11,490.0	11,433.3	25.5	25.0	4.92	258.3	783.0	847.0	811.0	36.01	23.524	
12,300.0	11,738.0	11,475.0	11,419.3	25.6	25.0	4.71	253.1	783.1	940.8	905.0	35.80	26.276	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11557-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	42.06	150.7	136.0	203.0	196.0	6.98	29.081	
100.0	100.0	100.0	100.0	3.1	3.1	42.06	150.7	136.0	203.0	195.8	7.23	28.092	
200.0	200.0	200.0	200.0	3.2	3.2	42.06	150.7	136.0	203.0	195.5	7.47	27.187	
300.0	300.0	300.0	300.0	3.4	3.4	42.06	150.7	136.0	203.0	195.3	7.70	26.354	
400.0	400.0	400.0	400.0	3.5	3.5	42.06	150.7	136.0	203.0	195.1	7.93	25.585	
500.0	500.0	500.0	500.0	3.6	3.6	42.06	150.7	136.0	203.0	194.9	8.16	24.871	
600.0	600.0	600.0	600.0	3.7	3.7	42.06	150.7	136.0	203.0	194.6	8.39	24.205	
700.0	700.0	700.0	700.0	3.9	3.9	42.06	150.7	136.0	203.0	194.4	8.61	23.582	
800.0	800.0	800.0	800.0	4.0	4.0	42.06	150.7	136.0	203.0	194.2	8.83	22.999	
900.0	900.0	900.0	900.0	4.1	4.1	42.06	150.7	136.0	203.0	194.0	9.04	22.450	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	42.06	150.7	136.0	203.0	193.8	9.26	21.932	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	42.06	150.7	136.0	203.0	193.5	9.47	21.442	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	42.06	150.7	136.0	203.0	193.3	9.68	20.979	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	42.06	150.7	136.0	203.0	193.1	9.88	20.539	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	42.06	150.7	136.0	203.0	192.9	10.09	20.121	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	42.06	150.7	136.0	203.0	192.7	10.29	19.722	
1,600.0	1,600.0	1,595.2	1,595.2	4.9	4.9	-43.95	150.8	137.6	202.9	192.7	10.23	19.829	
1,700.0	1,699.8	1,690.5	1,690.3	5.1	5.0	-43.98	151.1	142.3	202.7	192.1	10.63	19.062	
1,800.0	1,799.5	1,785.7	1,785.2	5.3	5.2	-44.04	151.5	150.2	202.3	191.2	11.05	18.315	
1,900.0	1,898.7	1,880.9	1,879.8	5.6	5.5	-44.12	152.0	161.3	201.7	190.3	11.47	17.583	
2,000.0	1,997.5	1,976.2	1,974.0	5.9	5.8	-44.22	152.8	175.4	201.0	189.1	11.92	16.863	
2,100.0	2,095.6	2,071.5	2,067.7	6.3	6.2	-44.34	153.7	192.8	200.1	187.7	12.39	16.152	
2,140.8	2,135.5	2,110.4	2,105.8	6.4	6.3	-44.34	154.1	200.7	199.9	187.4	12.57	15.900 CC, ES	
2,200.0	2,193.4	2,166.8	2,160.8	6.5	6.5	-44.14	154.8	213.2	200.4	187.5	12.85	15.590	
2,300.0	2,291.3	2,265.1	2,256.2	6.9	6.8	-43.42	156.0	236.7	202.4	189.1	13.36	15.153	
2,400.0	2,389.1	2,365.1	2,353.2	7.2	7.1	-42.66	157.3	260.9	204.7	190.8	13.91	14.721	
2,500.0	2,486.9	2,465.0	2,450.2	7.5	7.5	-41.92	158.5	285.0	207.0	192.5	14.48	14.290	
2,600.0	2,584.7	2,564.9	2,547.2	7.9	7.8	-41.20	159.8	309.2	209.3	194.2	15.10	13.866	
2,700.0	2,682.5	2,664.9	2,644.1	8.2	8.2	-40.49	161.1	333.3	211.7	195.9	15.74	13.453	
2,800.0	2,780.3	2,764.8	2,741.1	8.6	8.6	-39.80	162.3	357.4	214.1	197.7	16.40	13.053	
2,900.0	2,878.1	2,864.8	2,838.1	9.0	9.0	-39.12	163.6	381.6	216.5	199.4	17.09	12.667	
3,000.0	2,976.0	2,964.7	2,935.0	9.4	9.4	-38.46	164.9	405.7	219.0	201.2	17.80	12.298	
3,100.0	3,073.8	3,064.6	3,032.0	9.8	9.8	-37.82	166.1	429.9	221.4	202.9	18.54	11.946	
3,200.0	3,171.6	3,164.6	3,129.0	10.2	10.2	-37.18	167.4	454.0	223.9	204.7	19.29	11.610	
3,300.0	3,269.4	3,264.5	3,225.9	10.6	10.6	-36.57	168.7	478.2	226.5	206.4	20.06	11.291	
3,400.0	3,367.2	3,364.4	3,322.9	11.0	11.1	-35.96	169.9	502.3	229.0	208.2	20.84	10.989	
3,500.0	3,465.0	3,464.4	3,419.9	11.5	11.5	-35.37	171.2	526.5	231.6	210.0	21.64	10.702	
3,600.0	3,562.8	3,564.3	3,516.9	11.9	11.9	-34.79	172.4	550.6	234.2	211.8	22.46	10.431	
3,700.0	3,660.7	3,664.3	3,613.8	12.3	12.4	-34.23	173.7	574.7	236.9	213.6	23.28	10.174	
3,800.0	3,758.5	3,764.2	3,710.8	12.8	12.8	-33.68	175.0	598.9	239.5	215.4	24.12	9.930	
3,900.0	3,856.3	3,864.1	3,807.8	13.2	13.3	-33.14	176.2	623.0	242.2	217.2	24.97	9.700	
4,000.0	3,954.1	3,964.1	3,904.7	13.6	13.7	-32.61	177.5	647.2	244.9	219.1	25.83	9.482	
4,100.0	4,051.9	4,064.0	4,001.7	14.1	14.2	-32.09	178.8	671.3	247.6	220.9	26.70	9.276	
4,200.0	4,149.7	4,164.0	4,098.7	14.5	14.6	-31.59	180.0	695.5	250.4	222.8	27.57	9.080	
4,300.0	4,247.5	4,263.9	4,195.6	15.0	15.1	-31.09	181.3	719.6	253.1	224.7	28.46	8.895	
4,400.0	4,345.4	4,363.8	4,292.6	15.4	15.6	-30.61	182.6	743.8	255.9	226.6	29.35	8.720	
4,500.0	4,443.2	4,463.8	4,389.6	15.9	16.0	-30.13	183.8	767.9	258.7	228.5	30.25	8.553	
4,600.0	4,541.0	4,563.7	4,486.6	16.3	16.5	-29.67	185.1	792.0	261.5	230.4	31.15	8.395	
4,700.0	4,638.8	4,663.6	4,583.5	16.8	17.0	-29.22	186.4	816.2	264.3	232.3	32.06	8.245	
4,800.0	4,736.6	4,763.6	4,680.5	17.2	17.4	-28.77	187.6	840.3	267.2	234.2	32.98	8.102	
4,900.0	4,834.4	4,863.5	4,777.5	17.7	17.9	-28.34	188.9	864.5	270.1	236.2	33.90	7.966	
5,000.0	4,932.3	4,963.5	4,874.4	18.1	18.4	-27.91	190.2	888.6	272.9	238.1	34.82	7.837	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11557-r.5 MWD+IFR1+MS													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	5,030.1	5,063.4	4,971.4	18.6	18.8	-27.50	191.4	912.8	275.8	240.1	35.76	7.713	
5,105.0	5,035.0	5,068.4	4,976.3	18.6	18.9	-27.48	191.5	914.0	276.0	240.2	35.81	7.707	
5,200.0	5,128.0	5,163.3	5,068.3	19.0	19.3	-27.03	192.7	936.9	279.4	242.7	36.70	7.614	
5,300.0	5,226.3	5,263.1	5,165.2	19.5	19.8	-26.43	194.0	961.0	284.6	246.9	37.66	7.556	
5,400.0	5,325.0	5,362.8	5,261.9	19.9	20.2	-25.71	195.2	985.1	291.4	252.7	38.65	7.540 SF	
5,500.0	5,423.8	5,462.4	5,358.5	20.4	20.7	-24.88	196.5	1,009.1	299.8	260.2	39.65	7.562	
5,600.0	5,523.0	5,563.8	5,457.0	20.8	21.2	-23.97	197.8	1,033.5	309.7	269.1	40.66	7.618	
5,700.0	5,622.3	5,668.4	5,558.9	21.2	21.7	-23.08	199.0	1,057.1	320.0	278.3	41.67	7.679	
5,800.0	5,721.9	5,773.2	5,661.4	21.6	22.2	-22.25	200.1	1,078.9	330.2	287.6	42.64	7.744	
5,900.0	5,821.5	5,878.3	5,764.5	22.0	22.6	-21.48	201.2	1,098.8	340.5	296.9	43.57	7.815	
6,000.0	5,921.3	5,983.5	5,868.2	22.3	23.1	-20.77	202.1	1,116.9	350.7	306.2	44.45	7.890	
6,100.0	6,021.2	6,089.0	5,972.5	22.6	23.6	-20.11	203.0	1,133.1	360.9	315.6	45.27	7.971	
6,200.0	6,121.2	6,194.8	6,077.2	22.9	24.0	-19.49	203.7	1,147.4	371.1	325.0	46.04	8.060	
6,300.0	6,221.2	6,300.7	6,182.4	23.1	24.5	-18.92	204.4	1,159.9	381.2	334.5	46.64	8.172	
6,305.0	6,226.2	6,306.1	6,187.7	23.1	24.5	67.11	204.4	1,160.4	381.7	335.0	46.67	8.178	
6,400.0	6,321.2	6,407.0	6,288.1	23.1	24.9	67.60	204.9	1,170.4	390.5	343.4	47.10	8.291	
6,500.0	6,421.2	6,513.6	6,394.4	23.2	25.3	68.01	205.4	1,178.9	398.1	350.6	47.51	8.380	
6,600.0	6,521.2	6,620.5	6,501.1	23.2	25.7	68.32	205.7	1,185.5	403.9	356.1	47.86	8.440	
6,700.0	6,621.2	6,727.6	6,608.1	23.2	26.0	68.53	206.0	1,190.1	408.0	359.9	48.16	8.473	
6,800.0	6,721.2	6,834.8	6,715.3	23.3	26.3	68.64	206.1	1,192.8	410.4	362.0	48.39	8.481	
6,900.0	6,821.2	6,940.7	6,821.2	23.3	26.5	68.67	206.1	1,193.4	410.9	362.5	48.49	8.474	
7,000.0	6,921.2	7,040.7	6,921.2	23.3	26.5	68.67	206.1	1,193.4	410.9	362.4	48.55	8.464	
7,100.0	7,021.2	7,140.7	7,021.2	23.4	26.5	68.67	206.1	1,193.4	410.9	362.3	48.62	8.452	
7,200.0	7,121.2	7,240.7	7,121.2	23.4	26.6	68.67	206.1	1,193.4	410.9	362.3	48.68	8.441	
7,300.0	7,221.2	7,340.7	7,221.2	23.4	26.6	68.67	206.1	1,193.4	410.9	362.2	48.75	8.430	
7,400.0	7,321.2	7,440.7	7,321.2	23.5	26.6	68.67	206.1	1,193.4	410.9	362.1	48.82	8.418	
7,500.0	7,421.2	7,540.7	7,421.2	23.5	26.7	68.67	206.1	1,193.4	410.9	362.1	48.88	8.407	
7,600.0	7,521.2	7,640.7	7,521.2	23.5	26.7	68.67	206.1	1,193.4	410.9	362.0	48.95	8.395	
7,700.0	7,621.2	7,740.7	7,621.2	23.6	26.7	68.67	206.1	1,193.4	410.9	361.9	49.02	8.384	
7,800.0	7,721.2	7,840.7	7,721.2	23.6	26.8	68.67	206.1	1,193.4	410.9	361.9	49.08	8.372	
7,900.0	7,821.2	7,940.7	7,821.2	23.6	26.8	68.67	206.1	1,193.4	410.9	361.8	49.15	8.361	
8,000.0	7,921.2	8,040.7	7,921.2	23.7	26.8	68.67	206.1	1,193.4	410.9	361.7	49.22	8.349	
8,100.0	8,021.2	8,140.7	8,021.2	23.7	26.8	68.67	206.1	1,193.4	410.9	361.7	49.29	8.337	
8,200.0	8,121.2	8,240.7	8,121.2	23.8	26.9	68.67	206.1	1,193.4	410.9	361.6	49.36	8.326	
8,300.0	8,221.2	8,340.7	8,221.2	23.8	26.9	68.67	206.1	1,193.4	410.9	361.5	49.43	8.314	
8,400.0	8,321.2	8,440.7	8,321.2	23.8	26.9	68.67	206.1	1,193.4	410.9	361.4	49.50	8.302	
8,500.0	8,421.2	8,540.7	8,421.2	23.9	27.0	68.67	206.1	1,193.4	410.9	361.4	49.57	8.290	
8,600.0	8,521.2	8,640.7	8,521.2	23.9	27.0	68.67	206.1	1,193.4	410.9	361.3	49.64	8.278	
8,700.0	8,621.2	8,740.7	8,621.2	23.9	27.0	68.67	206.1	1,193.4	410.9	361.2	49.71	8.266	
8,800.0	8,721.2	8,840.7	8,721.2	24.0	27.1	68.67	206.1	1,193.4	410.9	361.2	49.79	8.254	
8,900.0	8,821.2	8,940.7	8,821.2	24.0	27.1	68.67	206.1	1,193.4	410.9	361.1	49.86	8.242	
9,000.0	8,921.2	9,040.7	8,921.2	24.1	27.1	68.67	206.1	1,193.4	410.9	361.0	49.93	8.230	
9,100.0	9,021.2	9,140.7	9,021.2	24.1	27.2	68.67	206.1	1,193.4	410.9	360.9	50.01	8.218	
9,200.0	9,121.2	9,240.7	9,121.2	24.1	27.2	68.67	206.1	1,193.4	410.9	360.9	50.08	8.206	
9,300.0	9,221.2	9,340.7	9,221.2	24.2	27.2	68.67	206.1	1,193.4	410.9	360.8	50.15	8.194	
9,400.0	9,321.2	9,440.7	9,321.2	24.2	27.3	68.67	206.1	1,193.4	410.9	360.7	50.23	8.182	
9,500.0	9,421.2	9,540.7	9,421.2	24.3	27.3	68.67	206.1	1,193.4	410.9	360.6	50.30	8.169	
9,600.0	9,521.2	9,640.7	9,521.2	24.3	27.3	68.67	206.1	1,193.4	410.9	360.6	50.38	8.157	
9,700.0	9,621.2	9,740.7	9,621.2	24.3	27.4	68.67	206.1	1,193.4	410.9	360.5	50.45	8.145	
9,800.0	9,721.2	9,840.7	9,721.2	24.4	27.4	68.67	206.1	1,193.4	410.9	360.4	50.53	8.133	
9,900.0	9,821.2	9,940.7	9,821.2	24.4	27.4	68.67	206.1	1,193.4	410.9	360.3	50.61	8.120	
10,000.0	9,921.2	10,040.7	9,921.2	24.5	27.5	68.67	206.1	1,193.4	410.9	360.3	50.68	8.108	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11557-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,021.2	10,140.7	10,021.2	24.5	27.5	68.67	206.1	1,193.4	410.9	360.2	50.76	8.096	
10,200.0	10,121.2	10,240.7	10,121.2	24.5	27.5	68.67	206.1	1,193.4	410.9	360.1	50.84	8.083	
10,300.0	10,221.2	10,340.7	10,221.2	24.6	27.6	68.67	206.1	1,193.4	410.9	360.0	50.92	8.071	
10,400.0	10,321.2	10,440.7	10,321.2	24.6	27.6	68.67	206.1	1,193.4	410.9	360.0	51.00	8.058	
10,500.0	10,421.2	10,540.7	10,421.2	24.7	27.6	68.67	206.1	1,193.4	410.9	359.9	51.08	8.046	
10,600.0	10,521.2	10,640.7	10,521.2	24.7	27.7	68.67	206.1	1,193.4	410.9	359.8	51.15	8.033	
10,700.0	10,621.2	10,740.7	10,621.2	24.7	27.7	68.67	206.1	1,193.4	410.9	359.7	51.23	8.021	
10,800.0	10,721.2	10,840.7	10,721.2	24.8	27.8	68.67	206.1	1,193.4	410.9	359.6	51.31	8.008	
10,900.0	10,821.2	10,940.7	10,821.2	24.8	27.8	68.67	206.1	1,193.4	410.9	359.6	51.40	7.996	
11,000.0	10,921.2	11,040.7	10,921.2	24.9	27.8	68.67	206.1	1,193.4	410.9	359.5	51.48	7.983	
11,100.0	11,021.2	11,140.7	11,021.2	24.9	27.9	68.67	206.1	1,193.4	410.9	359.4	51.56	7.971	
11,200.0	11,121.2	11,240.7	11,121.2	25.0	27.9	68.67	206.1	1,193.4	410.9	359.3	51.64	7.958	
11,300.0	11,221.2	11,340.7	11,221.2	25.0	27.9	68.67	206.1	1,193.4	410.9	359.2	51.72	7.945	
11,339.3	11,260.5	11,380.0	11,260.5	25.0	28.0	68.67	206.1	1,193.4	410.9	359.2	51.74	7.942	
11,350.0	11,271.2	11,390.7	11,271.2	25.0	28.0	-110.96	206.1	1,193.4	411.0	359.4	51.62	7.962	
11,375.0	11,296.2	11,415.7	11,296.2	25.0	28.0	-111.07	206.1	1,193.4	411.4	359.8	51.61	7.972	
11,400.0	11,321.0	11,440.5	11,321.0	25.0	28.0	-111.30	206.1	1,193.4	412.3	360.8	51.57	7.996	
11,425.0	11,345.7	11,465.2	11,345.7	25.0	28.0	-111.63	206.1	1,193.4	413.7	362.2	51.50	8.033	
11,450.0	11,370.2	11,489.7	11,370.2	25.0	28.0	-112.05	206.1	1,193.4	415.7	364.3	51.41	8.085	
11,475.0	11,394.4	11,513.9	11,394.4	25.0	28.0	-112.56	206.1	1,193.4	418.2	366.9	51.29	8.153	
11,500.0	11,418.2	11,537.7	11,418.2	25.0	28.0	-113.14	206.1	1,193.4	421.3	370.1	51.13	8.239	
11,525.0	11,441.6	11,559.9	11,440.4	25.0	28.0	-113.71	206.1	1,193.4	425.0	374.1	50.87	8.354	
11,550.0	11,464.4	11,575.0	11,455.5	25.0	28.0	-113.98	206.5	1,193.4	429.7	378.9	50.77	8.463	
11,575.0	11,486.7	11,591.5	11,472.0	25.0	28.0	-114.35	207.4	1,193.4	435.4	384.9	50.58	8.609	
11,600.0	11,508.4	11,605.7	11,486.1	25.0	28.0	-114.57	208.6	1,193.4	442.3	392.0	50.37	8.781	
11,625.0	11,529.5	11,618.8	11,499.2	25.0	28.0	-114.66	210.1	1,193.4	450.4	400.3	50.13	8.986	
11,650.0	11,549.7	11,630.8	11,511.0	25.0	28.0	-114.59	211.8	1,193.4	459.7	409.9	49.85	9.222	
11,675.0	11,569.2	11,641.5	11,521.6	25.1	28.0	-114.31	213.6	1,193.4	470.3	420.7	49.55	9.492	
11,700.0	11,587.9	11,650.0	11,529.9	25.1	28.0	-113.69	215.2	1,193.3	482.0	432.8	49.24	9.790	
11,725.0	11,605.6	11,659.5	11,539.2	25.1	28.0	-113.03	217.1	1,193.3	494.9	446.0	48.87	10.127	
11,750.0	11,622.4	11,666.9	11,546.4	25.1	28.0	-111.96	218.7	1,193.3	508.9	460.4	48.51	10.491	
11,775.0	11,638.2	11,675.0	11,554.3	25.1	28.0	-110.80	220.6	1,193.3	524.0	475.9	48.11	10.892	
11,800.0	11,653.0	11,675.0	11,554.3	25.1	28.0	-108.43	220.6	1,193.3	540.1	492.2	47.83	11.290	
11,825.0	11,666.7	11,682.8	11,561.8	25.1	28.0	-106.79	222.6	1,193.3	557.0	509.6	47.40	11.751	
11,850.0	11,679.3	11,686.2	11,565.2	25.1	28.0	-104.34	223.5	1,193.3	574.7	527.7	47.03	12.220	
11,875.0	11,690.7	11,688.8	11,567.7	25.1	28.0	-101.50	224.2	1,193.3	593.2	546.5	46.67	12.711	
11,900.0	11,701.0	11,690.7	11,569.4	25.2	28.0	-98.27	224.7	1,193.2	612.2	565.9	46.31	13.221	
11,925.0	11,710.0	11,691.8	11,570.5	25.2	28.0	-94.67	225.0	1,193.2	631.8	585.9	45.96	13.748	
11,950.0	11,717.8	11,692.2	11,570.9	25.2	28.0	-90.73	225.1	1,193.2	651.9	606.2	45.62	14.290	
11,975.0	11,724.4	11,692.0	11,570.7	25.2	28.0	-86.49	225.1	1,193.2	672.2	626.9	45.28	14.845	
12,000.0	11,729.7	11,691.2	11,569.9	25.2	28.0	-82.02	224.9	1,193.2	692.9	647.9	44.96	15.412	
12,025.0	11,733.7	11,689.9	11,568.7	25.3	28.0	-77.40	224.5	1,193.3	713.7	669.0	44.64	15.987	
12,050.0	11,736.4	11,688.1	11,566.9	25.3	28.0	-72.73	224.0	1,193.3	734.6	690.2	44.33	16.571	
12,075.0	11,737.8	11,685.8	11,564.7	25.3	28.0	-68.11	223.4	1,193.3	755.5	711.5	44.02	17.161	
12,089.3	11,738.0	11,684.3	11,563.3	25.3	28.0	-65.52	223.0	1,193.3	767.5	723.6	43.85	17.501	
12,100.0	11,738.0	11,683.1	11,562.1	25.3	28.0	-65.38	222.7	1,193.3	776.4	732.7	43.73	17.755	
12,200.0	11,738.0	11,675.0	11,554.3	25.5	28.0	-64.42	220.6	1,193.3	861.9	819.2	42.67	20.199	
12,300.0	11,738.0	11,664.6	11,544.2	25.6	28.0	-63.20	218.2	1,193.3	950.0	908.1	41.86	22.694	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11185-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	50.28	133.8	161.1	209.4	202.4	6.98	29.994	
100.0	100.0	100.0	100.0	3.1	3.1	50.28	133.8	161.1	209.4	202.2	7.23	28.976	
200.0	200.0	200.0	200.0	3.2	3.2	50.28	133.8	161.1	209.4	201.9	7.47	28.048	
300.0	300.0	300.0	300.0	3.4	3.4	50.28	133.8	161.1	209.4	201.7	7.70	27.198	
400.0	400.0	400.0	400.0	3.5	3.5	50.28	133.8	161.1	209.4	201.5	7.93	26.415	
500.0	500.0	500.0	500.0	3.6	3.6	50.28	133.8	161.1	209.4	201.2	8.15	25.690	
600.0	600.0	600.0	600.0	3.7	3.7	50.28	133.8	161.1	209.4	201.0	8.37	25.015	
700.0	700.0	700.0	700.0	3.9	3.9	50.28	133.8	161.1	209.4	200.8	8.59	24.387	
800.0	800.0	800.0	800.0	4.0	4.0	50.28	133.8	161.1	209.4	200.6	8.80	23.798	
900.0	900.0	900.0	900.0	4.1	4.1	50.28	133.8	161.1	209.4	200.4	9.01	23.245	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	50.28	133.8	161.1	209.4	200.2	9.21	22.725	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	50.28	133.8	161.1	209.4	200.0	9.42	22.233	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	50.28	133.8	161.1	209.4	199.8	9.62	21.768	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	50.28	133.8	161.1	209.4	199.6	9.82	21.328	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	50.28	133.8	161.1	209.4	199.4	10.01	20.909	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	50.28	133.8	161.1	209.4	199.2	10.21	20.511	
1,600.0	1,600.0	1,594.6	1,594.6	4.9	4.9	-35.72	133.8	162.6	209.3	199.1	10.17	20.575	
1,700.0	1,699.8	1,689.2	1,689.1	5.1	5.0	-35.71	133.9	167.3	208.9	198.3	10.60	19.709	
1,800.0	1,799.5	1,783.8	1,783.4	5.3	5.2	-35.70	134.0	175.1	208.2	197.2	11.04	18.858	
1,900.0	1,898.7	1,878.5	1,877.4	5.6	5.5	-35.68	134.2	186.0	207.3	195.8	11.51	18.019	
2,000.0	1,997.5	1,973.1	1,971.0	5.9	5.8	-35.66	134.5	200.0	206.2	194.2	12.00	17.188	
2,100.0	2,095.6	2,067.8	2,064.1	6.3	6.1	-35.64	134.8	217.1	204.8	192.3	12.51	16.365	
2,159.3	2,153.6	2,124.0	2,119.0	6.4	6.3	-35.52	135.0	228.7	204.3	191.5	12.80	15.956 CC, ES	
2,200.0	2,193.4	2,162.5	2,156.6	6.5	6.5	-35.32	135.1	237.3	204.5	191.5	13.01	15.719	
2,300.0	2,291.3	2,257.1	2,248.3	6.9	6.8	-34.47	135.5	260.5	206.9	193.4	13.56	15.262	
2,400.0	2,389.1	2,354.4	2,341.9	7.2	7.2	-33.18	136.0	287.0	211.6	197.4	14.16	14.943	
2,500.0	2,486.9	2,454.1	2,437.8	7.5	7.5	-31.85	136.5	314.5	216.7	201.9	14.81	14.627	
2,600.0	2,584.7	2,553.9	2,533.7	7.9	7.9	-30.59	137.0	342.0	221.9	206.4	15.51	14.309	
2,700.0	2,682.5	2,653.6	2,629.5	8.2	8.3	-29.39	137.4	369.5	227.2	210.9	16.23	13.995	
2,800.0	2,780.3	2,753.3	2,725.4	8.6	8.6	-28.24	137.9	397.0	232.6	215.6	16.99	13.689	
2,900.0	2,878.1	2,853.1	2,821.3	9.0	9.0	-27.15	138.4	424.5	238.0	220.3	17.77	13.393	
3,000.0	2,976.0	2,952.8	2,917.2	9.4	9.4	-26.10	138.9	451.9	243.6	225.0	18.58	13.111	
3,100.0	3,073.8	3,052.6	3,013.1	9.8	9.9	-25.10	139.4	479.4	249.2	229.8	19.41	12.841	
3,200.0	3,171.6	3,152.3	3,109.0	10.2	10.3	-24.15	139.8	506.9	255.0	234.7	20.26	12.586	
3,300.0	3,269.4	3,252.1	3,204.9	10.6	10.7	-23.24	140.3	534.4	260.7	239.6	21.12	12.345	
3,400.0	3,367.2	3,351.8	3,300.7	11.0	11.1	-22.36	140.8	561.9	266.6	244.6	22.00	12.117	
3,500.0	3,465.0	3,451.6	3,396.6	11.5	11.6	-21.53	141.3	589.4	272.5	249.6	22.89	11.903	
3,600.0	3,562.8	3,551.3	3,492.5	11.9	12.0	-20.73	141.8	616.9	278.4	254.6	23.79	11.702	
3,700.0	3,660.7	3,651.1	3,588.4	12.3	12.5	-19.96	142.2	644.4	284.4	259.7	24.71	11.513	
3,800.0	3,758.5	3,750.8	3,684.3	12.8	12.9	-19.23	142.7	671.9	290.5	264.9	25.63	11.335	
3,900.0	3,856.3	3,850.6	3,780.2	13.2	13.4	-18.53	143.2	699.4	296.6	270.0	26.56	11.168	
4,000.0	3,954.1	3,950.3	3,876.0	13.6	13.9	-17.85	143.7	726.8	302.7	275.3	27.49	11.012	
4,100.0	4,051.9	4,050.1	3,971.9	14.1	14.3	-17.20	144.2	754.3	308.9	280.5	28.44	10.864	
4,200.0	4,149.7	4,149.8	4,067.8	14.5	14.8	-16.58	144.6	781.8	315.2	285.8	29.38	10.726	
4,300.0	4,247.5	4,249.6	4,163.7	15.0	15.3	-15.98	145.1	809.3	321.4	291.1	30.34	10.595	
4,400.0	4,345.4	4,349.3	4,259.6	15.4	15.7	-15.40	145.6	836.8	327.7	296.4	31.29	10.472	
4,500.0	4,443.2	4,449.1	4,355.5	15.9	16.2	-14.85	146.1	864.3	334.0	301.8	32.25	10.357	
4,600.0	4,541.0	4,548.8	4,451.3	16.3	16.7	-14.31	146.6	891.8	340.4	307.2	33.22	10.247	
4,700.0	4,638.8	4,648.6	4,547.2	16.8	17.2	-13.80	147.0	919.3	346.8	312.6	34.18	10.144	
4,800.0	4,736.6	4,748.3	4,643.1	17.2	17.6	-13.30	147.5	946.8	353.2	318.0	35.15	10.047	
4,900.0	4,834.4	4,848.1	4,739.0	17.7	18.1	-12.83	148.0	974.3	359.6	323.5	36.13	9.955	
5,000.0	4,932.3	4,947.8	4,834.9	18.1	18.6	-12.37	148.5	1,001.7	366.1	329.0	37.10	9.868	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11185-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,030.1	5,047.6	4,930.8	18.6	19.1	-11.92	149.0	1,029.2	372.6	334.5	38.08	9.784	
5,105.0	5,035.0	5,052.6	4,935.6	18.6	19.1	-11.90	149.0	1,030.6	372.9	334.8	38.13	9.780	
5,200.0	5,128.0	5,147.3	5,026.6	19.0	19.6	-11.48	149.4	1,056.7	379.8	340.8	39.05	9.727	
5,300.0	5,226.3	5,246.8	5,122.3	19.5	20.0	-11.01	149.9	1,084.1	388.8	348.8	40.02	9.716 SF	
5,400.0	5,325.0	5,346.2	5,217.8	19.9	20.5	-10.52	150.4	1,111.5	399.6	358.6	40.98	9.750	
5,500.0	5,423.8	5,445.3	5,313.1	20.4	21.0	-10.02	150.9	1,138.9	412.0	370.1	41.94	9.826	
5,600.0	5,523.0	5,544.2	5,408.2	20.8	21.5	-9.51	151.3	1,166.1	426.3	383.4	42.88	9.942	
5,700.0	5,622.3	5,642.8	5,503.0	21.2	22.0	-9.00	151.8	1,193.3	442.2	398.4	43.80	10.095	
5,800.0	5,721.9	5,741.2	5,597.5	21.6	22.5	-8.50	152.3	1,220.4	459.9	415.2	44.71	10.285	
5,900.0	5,821.5	5,839.2	5,691.7	22.0	22.9	-8.01	152.8	1,247.4	479.3	433.7	45.60	10.510	
6,000.0	5,921.3	5,936.8	5,785.6	22.3	23.4	-7.53	153.2	1,274.3	500.5	454.0	46.47	10.769	
6,100.0	6,021.2	6,034.1	5,879.1	22.6	23.9	-7.07	153.7	1,301.1	523.3	476.0	47.31	11.061	
6,200.0	6,121.2	6,130.9	5,972.2	22.9	24.4	-6.63	154.2	1,327.8	547.9	499.8	48.12	11.388	
6,300.0	6,221.2	6,227.3	6,064.8	23.1	24.8	-6.21	154.6	1,354.4	574.2	525.4	48.79	11.769	
6,305.0	6,226.2	6,232.2	6,069.5	23.1	24.9	79.81	154.7	1,355.7	575.6	526.8	48.82	11.789	
6,400.0	6,321.2	6,323.4	6,157.2	23.1	25.3	80.21	155.1	1,380.9	601.5	552.1	49.35	12.187	
6,500.0	6,421.2	6,419.6	6,249.6	23.2	25.8	80.59	155.6	1,407.4	628.7	578.8	49.92	12.596	
6,600.0	6,521.2	6,515.7	6,342.0	23.2	26.3	80.94	156.0	1,433.8	656.0	605.6	50.48	12.996	
6,700.0	6,621.2	6,611.8	6,434.4	23.2	26.7	81.27	156.5	1,460.3	683.4	632.3	51.05	13.387	
6,800.0	6,721.2	6,707.9	6,526.8	23.3	27.2	81.57	156.9	1,486.8	710.7	659.1	51.62	13.769	
6,900.0	6,821.2	6,829.5	6,644.1	23.3	27.8	81.90	157.5	1,518.7	736.8	684.4	52.36	14.072	
7,000.0	6,921.2	6,961.2	6,772.6	23.3	28.5	82.17	158.0	1,547.6	758.6	705.5	53.09	14.289	
7,100.0	7,021.2	7,095.4	6,904.7	23.4	29.1	82.38	158.4	1,571.0	775.9	722.2	53.70	14.449	
7,200.0	7,121.2	7,231.5	7,039.7	23.4	29.7	82.53	158.7	1,588.3	788.6	734.4	54.17	14.559	
7,300.0	7,221.2	7,369.0	7,176.7	23.4	30.2	82.62	158.9	1,599.3	796.6	742.1	54.47	14.624	
7,400.0	7,321.2	7,507.2	7,314.9	23.5	30.6	82.65	159.0	1,603.8	799.8	745.2	54.55	14.662	
7,500.0	7,421.2	7,613.5	7,421.2	23.5	30.7	82.65	159.0	1,603.9	799.8	745.3	54.54	14.665	
7,600.0	7,521.2	7,713.5	7,521.2	23.5	30.7	82.65	159.0	1,603.9	799.8	745.2	54.60	14.649	
7,700.0	7,621.2	7,813.5	7,621.2	23.6	30.7	82.65	159.0	1,603.9	799.8	745.2	54.66	14.634	
7,800.0	7,721.2	7,913.5	7,721.2	23.6	30.8	82.65	159.0	1,603.9	799.8	745.1	54.71	14.618	
7,900.0	7,821.2	8,013.5	7,821.2	23.6	30.8	82.65	159.0	1,603.9	799.8	745.0	54.77	14.603	
8,000.0	7,921.2	8,113.5	7,921.2	23.7	30.8	82.65	159.0	1,603.9	799.8	745.0	54.83	14.587	
8,100.0	8,021.2	8,213.5	8,021.2	23.7	30.8	82.65	159.0	1,603.9	799.8	744.9	54.89	14.571	
8,200.0	8,121.2	8,313.5	8,121.2	23.8	30.9	82.65	159.0	1,603.9	799.8	744.9	54.95	14.555	
8,300.0	8,221.2	8,413.5	8,221.2	23.8	30.9	82.65	159.0	1,603.9	799.8	744.8	55.01	14.539	
8,400.0	8,321.2	8,513.5	8,321.2	23.8	30.9	82.65	159.0	1,603.9	799.8	744.7	55.07	14.523	
8,500.0	8,421.2	8,613.5	8,421.2	23.9	30.9	82.65	159.0	1,603.9	799.8	744.7	55.13	14.507	
8,600.0	8,521.2	8,713.5	8,521.2	23.9	31.0	82.65	159.0	1,603.9	799.8	744.6	55.19	14.491	
8,700.0	8,621.2	8,813.5	8,621.2	23.9	31.0	82.65	159.0	1,603.9	799.8	744.6	55.26	14.475	
8,800.0	8,721.2	8,913.5	8,721.2	24.0	31.0	82.65	159.0	1,603.9	799.8	744.5	55.32	14.459	
8,900.0	8,821.2	9,013.5	8,821.2	24.0	31.0	82.65	159.0	1,603.9	799.8	744.4	55.38	14.442	
9,000.0	8,921.2	9,113.5	8,921.2	24.1	31.1	82.65	159.0	1,603.9	799.8	744.4	55.44	14.426	
9,100.0	9,021.2	9,213.5	9,021.2	24.1	31.1	82.65	159.0	1,603.9	799.8	744.3	55.51	14.409	
9,200.0	9,121.2	9,313.5	9,121.2	24.1	31.1	82.65	159.0	1,603.9	799.8	744.2	55.57	14.393	
9,300.0	9,221.2	9,413.5	9,221.2	24.2	31.1	82.65	159.0	1,603.9	799.8	744.2	55.64	14.376	
9,400.0	9,321.2	9,513.5	9,321.2	24.2	31.2	82.65	159.0	1,603.9	799.8	744.1	55.70	14.359	
9,500.0	9,421.2	9,613.5	9,421.2	24.3	31.2	82.65	159.0	1,603.9	799.8	744.1	55.76	14.343	
9,600.0	9,521.2	9,713.5	9,521.2	24.3	31.2	82.65	159.0	1,603.9	799.8	744.0	55.83	14.326	
9,700.0	9,621.2	9,813.5	9,621.2	24.3	31.3	82.65	159.0	1,603.9	799.8	743.9	55.90	14.309	
9,800.0	9,721.2	9,913.5	9,721.2	24.4	31.3	82.65	159.0	1,603.9	799.8	743.9	55.96	14.292	
9,900.0	9,821.2	10,013.5	9,821.2	24.4	31.3	82.65	159.0	1,603.9	799.8	743.8	56.03	14.275	
10,000.0	9,921.2	10,113.5	9,921.2	24.5	31.3	82.65	159.0	1,603.9	799.8	743.7	56.10	14.258	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11185-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,021.2	10,213.5	10,021.2	24.5	31.4	82.65	159.0	1,603.9	799.8	743.7	56.16	14.241	
10,200.0	10,121.2	10,313.5	10,121.2	24.5	31.4	82.65	159.0	1,603.9	799.8	743.6	56.23	14.224	
10,300.0	10,221.2	10,413.5	10,221.2	24.6	31.4	82.65	159.0	1,603.9	799.8	743.5	56.30	14.206	
10,400.0	10,321.2	10,513.5	10,321.2	24.6	31.5	82.65	159.0	1,603.9	799.8	743.4	56.37	14.189	
10,500.0	10,421.2	10,613.5	10,421.2	24.7	31.5	82.65	159.0	1,603.9	799.8	743.4	56.44	14.172	
10,600.0	10,521.2	10,713.5	10,521.2	24.7	31.5	82.65	159.0	1,603.9	799.8	743.3	56.51	14.154	
10,700.0	10,621.2	10,813.5	10,621.2	24.7	31.6	82.65	159.0	1,603.9	799.8	743.2	56.58	14.137	
10,800.0	10,721.2	10,913.5	10,721.2	24.8	31.6	82.65	159.0	1,603.9	799.8	743.2	56.65	14.120	
10,900.0	10,821.2	11,013.5	10,821.2	24.8	31.6	82.65	159.0	1,603.9	799.8	743.1	56.72	14.102	
11,000.0	10,921.2	11,113.5	10,921.2	24.9	31.6	82.65	159.0	1,603.9	799.8	743.0	56.79	14.085	
11,100.0	11,021.2	11,213.5	11,021.2	24.9	31.7	82.65	159.0	1,603.9	799.8	743.0	56.85	14.068	
11,200.0	11,121.2	11,313.5	11,121.2	25.0	31.7	82.65	159.0	1,603.9	799.8	742.9	56.92	14.053	
11,300.0	11,221.2	11,413.5	11,221.2	25.0	31.7	82.65	159.0	1,603.9	799.8	742.8	56.98	14.037	
11,339.3	11,260.5	11,452.9	11,260.5	25.0	31.7	82.65	159.0	1,603.9	799.8	742.8	56.99	14.035	
11,350.0	11,271.2	11,462.1	11,269.8	25.0	31.7	-96.98	159.0	1,603.9	799.8	743.1	56.79	14.085	
11,375.0	11,296.2	11,482.8	11,290.5	25.0	31.7	-97.08	159.8	1,603.9	800.1	743.3	56.83	14.078	
11,400.0	11,321.0	11,503.2	11,310.8	25.0	31.7	-97.27	161.4	1,603.8	800.7	743.8	56.88	14.077	
11,425.0	11,345.7	11,525.0	11,332.4	25.0	31.7	-97.59	164.1	1,603.8	801.6	744.7	56.89	14.089	
11,450.0	11,370.2	11,541.7	11,348.9	25.0	31.7	-97.87	166.9	1,603.8	802.8	745.9	56.95	14.096	
11,475.0	11,394.4	11,559.5	11,366.4	25.0	31.7	-98.22	170.4	1,603.8	804.6	747.6	56.99	14.118	
11,500.0	11,418.2	11,575.0	11,381.4	25.0	31.7	-98.53	174.0	1,603.7	806.8	749.7	57.03	14.145	
11,525.0	11,441.6	11,591.5	11,397.4	25.0	31.7	-98.88	178.4	1,603.7	809.5	752.5	57.05	14.191	
11,550.0	11,464.4	11,605.6	11,410.8	25.0	31.7	-99.13	182.6	1,603.6	812.9	755.8	57.06	14.245	
11,575.0	11,486.7	11,618.2	11,422.7	25.0	31.7	-99.28	186.7	1,603.6	816.9	759.8	57.07	14.313	
11,600.0	11,508.4	11,629.5	11,433.3	25.0	31.7	-99.32	190.6	1,603.6	821.6	764.5	57.07	14.397	
11,625.0	11,529.5	11,639.5	11,442.6	25.0	31.7	-99.23	194.2	1,603.5	827.1	770.0	57.05	14.497	
11,650.0	11,549.7	11,650.0	11,452.3	25.0	31.7	-99.10	198.3	1,603.5	833.3	776.3	56.99	14.621	
11,675.0	11,569.2	11,655.7	11,457.5	25.1	31.7	-98.59	200.6	1,603.5	840.3	783.3	56.96	14.751	
11,700.0	11,587.9	11,662.0	11,463.2	25.1	31.7	-98.03	203.2	1,603.5	848.0	791.2	56.90	14.905	
11,725.0	11,605.6	11,667.2	11,467.9	25.1	31.7	-97.30	205.4	1,603.4	856.6	799.8	56.81	15.078	
11,750.0	11,622.4	11,675.0	11,475.0	25.1	31.7	-96.64	208.8	1,603.4	865.9	809.2	56.66	15.282	
11,775.0	11,638.2	11,675.0	11,475.0	25.1	31.7	-95.34	208.8	1,603.4	875.9	819.3	56.58	15.482	
11,800.0	11,653.0	11,675.0	11,475.0	25.1	31.7	-93.92	208.8	1,603.4	886.6	830.1	56.46	15.702	
11,825.0	11,666.7	11,675.0	11,475.0	25.1	31.7	-92.40	208.8	1,603.4	897.9	841.6	56.32	15.942	
11,850.0	11,679.3	11,675.0	11,475.0	25.1	31.7	-90.77	208.8	1,603.4	909.9	853.7	56.16	16.201	
11,875.0	11,690.7	11,675.0	11,475.0	25.1	31.7	-89.04	208.8	1,603.4	922.3	866.4	55.97	16.478	
11,900.0	11,701.0	11,675.0	11,475.0	25.2	31.7	-87.22	208.8	1,603.4	935.3	879.5	55.77	16.771	
11,925.0	11,710.0	11,675.0	11,475.0	25.2	31.7	-85.33	208.8	1,603.4	948.7	893.1	55.54	17.080	
11,950.0	11,717.8	11,675.0	11,475.0	25.2	31.7	-83.36	208.8	1,603.4	962.4	907.1	55.30	17.404	
11,975.0	11,724.4	11,675.0	11,475.0	25.2	31.7	-81.33	208.8	1,603.4	976.5	921.5	55.04	17.741	
12,000.0	11,729.7	11,675.0	11,475.0	25.2	31.7	-79.26	208.8	1,603.4	990.9	936.1	54.77	18.091	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	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	-56.18	67.1	-100.2	120.6	113.7	6.98	17.284	
100.0	100.0	98.0	98.0	3.1	3.1	-56.18	67.1	-100.2	120.6	113.4	7.22	16.705	
200.0	200.0	198.0	198.0	3.2	3.2	-56.18	67.1	-100.2	120.6	113.2	7.46	16.168	
300.0	300.0	298.0	298.0	3.4	3.4	-56.18	67.1	-100.2	120.6	112.9	7.69	15.681	
400.0	400.0	398.0	398.0	3.5	3.5	-56.18	67.1	-100.2	120.6	112.7	7.92	15.233	
500.0	500.0	498.0	498.0	3.6	3.6	-56.18	67.1	-100.2	120.6	112.5	8.14	14.820	
600.0	600.0	598.0	598.0	3.7	3.7	-56.18	67.1	-100.2	120.6	112.3	8.36	14.436	
700.0	700.0	698.0	698.0	3.9	3.9	-56.18	67.1	-100.2	120.6	112.1	8.57	14.079	
800.0	800.0	798.0	798.0	4.0	4.0	-56.18	67.1	-100.2	120.6	111.9	8.78	13.745	
900.0	900.0	898.0	898.0	4.1	4.1	-56.18	67.1	-100.2	120.6	111.6	8.98	13.431	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	-56.18	67.1	-100.2	120.6	111.4	9.18	13.137	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	-56.18	67.1	-100.2	120.6	111.3	9.38	12.859	
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	-56.18	67.1	-100.2	120.6	111.1	9.58	12.597	
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	-56.18	67.1	-100.2	120.6	110.9	9.77	12.348	
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	-56.18	67.1	-100.2	120.6	110.7	9.96	12.112	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	-56.18	67.1	-100.2	120.6	110.5	10.15	11.888 CC, ES, SF	
1,600.0	1,600.0	1,597.0	1,596.9	4.9	5.0	-143.40	66.0	-101.4	122.4	112.4	10.05	12.185	
1,700.0	1,699.8	1,695.3	1,695.1	5.1	5.2	-146.89	62.6	-105.1	128.1	117.7	10.42	12.302	
1,800.0	1,799.5	1,792.4	1,791.9	5.3	5.4	-151.97	57.0	-111.1	138.7	127.8	10.83	12.808	
1,900.0	1,898.7	1,887.6	1,886.4	5.6	5.7	-157.77	49.3	-119.4	154.9	143.6	11.30	13.713	
2,000.0	1,997.5	1,980.5	1,978.3	5.9	6.0	-163.52	39.7	-129.6	177.7	165.9	11.84	15.013	
2,100.0	2,095.6	2,070.6	2,066.8	6.3	6.3	-168.71	28.5	-141.6	207.3	194.8	12.42	16.682	
2,200.0	2,193.4	2,158.0	2,152.3	6.5	6.6	-173.22	15.8	-155.2	241.8	228.9	12.96	18.655	
2,300.0	2,291.3	2,246.5	2,238.2	6.9	6.9	-177.04	1.4	-170.7	279.4	265.9	13.53	20.652	
2,400.0	2,389.1	2,337.5	2,326.5	7.2	7.2	179.90	-13.6	-186.8	318.1	304.0	14.12	22.519	
2,500.0	2,486.9	2,428.5	2,414.8	7.5	7.5	177.49	-28.6	-202.9	357.4	342.6	14.74	24.239	
2,600.0	2,584.7	2,519.5	2,503.1	7.9	7.8	175.55	-43.6	-219.0	397.1	381.8	15.38	25.814	
2,700.0	2,682.5	2,610.5	2,591.4	8.2	8.1	173.97	-58.6	-235.1	437.2	421.2	16.04	27.251	
2,800.0	2,780.3	2,701.5	2,679.7	8.6	8.4	172.64	-73.6	-251.2	477.5	460.8	16.72	28.559	
2,900.0	2,878.1	2,792.5	2,768.0	9.0	8.8	171.52	-88.7	-267.3	518.0	500.6	17.41	29.749	
3,000.0	2,976.0	2,883.5	2,856.3	9.4	9.1	170.57	-103.7	-283.4	558.6	540.5	18.12	30.833	
3,100.0	3,073.8	2,974.5	2,944.6	9.8	9.5	169.74	-118.7	-299.5	599.4	580.5	18.84	31.820	
3,200.0	3,171.6	3,065.5	3,032.9	10.2	9.9	169.01	-133.7	-315.6	640.2	620.7	19.57	32.722	
3,300.0	3,269.4	3,156.5	3,121.2	10.6	10.3	168.38	-148.7	-331.7	681.1	660.8	20.30	33.546	
3,400.0	3,367.2	3,247.5	3,209.5	11.0	10.6	167.81	-163.7	-347.8	722.1	701.1	21.05	34.301	
3,500.0	3,465.0	3,338.5	3,297.8	11.5	11.0	167.31	-178.7	-363.9	763.1	741.3	21.81	34.994	
3,600.0	3,562.8	3,429.5	3,386.0	11.9	11.4	166.85	-193.8	-380.0	804.2	781.6	22.57	35.631	
3,700.0	3,660.7	3,520.5	3,474.3	12.3	11.8	166.44	-208.8	-396.1	845.3	822.0	23.34	36.218	
3,800.0	3,758.5	3,611.5	3,562.6	12.8	12.2	166.07	-223.8	-412.2	886.5	862.3	24.11	36.759	
3,900.0	3,856.3	3,702.5	3,650.9	13.2	12.6	165.73	-238.8	-428.3	927.6	902.7	24.90	37.261	
4,000.0	3,954.1	3,793.5	3,739.2	13.6	13.0	165.42	-253.8	-444.4	968.8	943.1	25.68	37.725	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11480-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-56.19	50.4	-75.2	90.6	83.6	6.98	12.974		
100.0	100.0	99.0	99.0	3.1	3.1	-56.19	50.4	-75.2	90.6	83.3	7.22	12.537		
200.0	200.0	199.0	199.0	3.2	3.2	-56.19	50.4	-75.2	90.6	83.1	7.46	12.136		
300.0	300.0	299.0	299.0	3.4	3.4	-56.19	50.4	-75.2	90.6	82.9	7.69	11.771		
400.0	400.0	399.0	399.0	3.5	3.5	-56.19	50.4	-75.2	90.6	82.6	7.92	11.435		
500.0	500.0	499.0	499.0	3.6	3.6	-56.19	50.4	-75.2	90.6	82.4	8.14	11.124		
600.0	600.0	599.0	599.0	3.7	3.7	-56.19	50.4	-75.2	90.6	82.2	8.36	10.836		
700.0	700.0	699.0	699.0	3.9	3.9	-56.19	50.4	-75.2	90.6	82.0	8.57	10.568		
800.0	800.0	799.0	799.0	4.0	4.0	-56.19	50.4	-75.2	90.6	81.8	8.78	10.318		
900.0	900.0	899.0	899.0	4.1	4.1	-56.19	50.4	-75.2	90.6	81.6	8.98	10.082		
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.19	50.4	-75.2	90.6	81.4	9.18	9.861		
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.19	50.4	-75.2	90.6	81.2	9.38	9.653		
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.19	50.4	-75.2	90.6	81.0	9.58	9.456		
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.19	50.4	-75.2	90.6	80.8	9.77	9.270		
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.19	50.4	-75.2	90.6	80.6	9.96	9.092		
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.19	50.4	-75.2	90.6	80.4	10.15	8.924 CC, ES, SF		
1,600.0	1,600.0	1,598.5	1,598.4	4.9	5.0	-143.87	49.1	-76.4	92.2	82.2	10.04	9.186		
1,700.0	1,699.8	1,697.3	1,697.1	5.1	5.2	-148.56	45.3	-79.8	97.7	87.3	10.40	9.389		
1,800.0	1,799.5	1,794.9	1,794.4	5.3	5.5	-155.16	39.1	-85.4	108.0	97.2	10.82	9.989		
1,900.0	1,898.7	1,890.7	1,889.5	5.6	5.7	-162.33	30.6	-93.1	124.5	113.2	11.30	11.012		
2,000.0	1,997.5	1,984.3	1,982.0	5.9	6.0	-169.00	20.0	-102.6	147.7	135.8	11.86	12.452		
2,100.0	2,095.6	2,078.1	2,074.3	6.3	6.3	-174.58	8.0	-113.4	177.1	164.6	12.45	14.222		
2,200.0	2,193.4	2,171.8	2,166.7	6.5	6.5	-178.68	-4.1	-124.3	209.4	196.4	12.99	16.117		
2,300.0	2,291.3	2,265.5	2,259.0	6.9	6.8	178.31	-16.2	-135.2	242.3	228.8	13.55	17.887		
2,400.0	2,389.1	2,359.3	2,351.3	7.2	7.1	176.01	-28.3	-146.1	275.8	261.6	14.13	19.515		
2,500.0	2,486.9	2,453.0	2,443.6	7.5	7.4	174.21	-40.4	-157.0	309.5	294.8	14.74	21.004		
2,600.0	2,584.7	2,546.7	2,535.9	7.9	7.7	172.77	-52.5	-167.9	343.5	328.1	15.36	22.360		
2,700.0	2,682.5	2,640.5	2,628.2	8.2	8.0	171.58	-64.6	-178.8	377.6	361.6	16.01	23.594		
2,800.0	2,780.3	2,734.2	2,720.5	8.6	8.3	170.59	-76.7	-189.7	411.9	395.2	16.66	24.715		
2,900.0	2,878.1	2,827.9	2,812.8	9.0	8.7	169.75	-88.8	-200.6	446.2	428.9	17.34	25.735		
3,000.0	2,976.0	2,921.6	2,905.1	9.4	9.0	169.03	-100.9	-211.5	480.6	462.6	18.03	26.663		
3,100.0	3,073.8	3,015.4	2,997.4	9.8	9.4	168.40	-113.0	-222.4	515.1	496.4	18.73	27.509		
3,200.0	3,171.6	3,109.1	3,089.7	10.2	9.8	167.86	-125.1	-233.2	549.6	530.2	19.43	28.281		
3,300.0	3,269.4	3,202.8	3,182.0	10.6	10.1	167.37	-137.2	-244.1	584.2	564.0	20.15	28.988		
3,400.0	3,367.2	3,296.6	3,274.3	11.0	10.5	166.95	-149.3	-255.0	618.8	597.9	20.88	29.636		
3,500.0	3,465.0	3,390.3	3,366.7	11.5	10.9	166.56	-161.4	-265.9	653.4	631.8	21.61	30.231		
3,600.0	3,562.8	3,484.0	3,459.0	11.9	11.2	166.22	-173.5	-276.8	688.0	665.7	22.35	30.778		
3,700.0	3,660.7	3,577.8	3,551.3	12.3	11.6	165.91	-185.6	-287.7	722.7	699.6	23.10	31.283		
3,800.0	3,758.5	3,671.5	3,643.6	12.8	12.0	165.63	-197.7	-298.6	757.4	733.5	23.85	31.750		
3,900.0	3,856.3	3,765.2	3,735.9	13.2	12.4	165.37	-209.7	-309.5	792.1	767.5	24.61	32.182		
4,000.0	3,954.1	3,859.0	3,828.2	13.6	12.8	165.13	-221.8	-320.4	826.8	801.4	25.37	32.582		
4,100.0	4,051.9	3,952.7	3,920.5	14.1	13.2	164.91	-233.9	-331.3	861.5	835.4	26.14	32.955		
4,200.0	4,149.7	4,046.4	4,012.8	14.5	13.6	164.71	-246.0	-342.2	896.2	869.3	26.91	33.302		
4,300.0	4,247.5	4,140.2	4,105.1	15.0	14.0	164.53	-258.1	-353.0	931.0	903.3	27.69	33.626		
4,400.0	4,345.4	4,233.9	4,197.4	15.4	14.4	164.36	-270.2	-363.9	965.7	937.2	28.46	33.928		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	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	-56.26	33.5	-50.2	60.4	53.4	6.98	8.651	
100.0	100.0	100.0	100.0	3.1	3.1	-56.26	33.5	-50.2	60.4	53.2	7.23	8.358	
200.0	200.0	200.0	200.0	3.2	3.2	-56.26	33.5	-50.2	60.4	52.9	7.46	8.091	
300.0	300.0	300.0	300.0	3.4	3.4	-56.26	33.5	-50.2	60.4	52.7	7.70	7.848	
400.0	400.0	400.0	400.0	3.5	3.5	-56.26	33.5	-50.2	60.4	52.5	7.92	7.624	
500.0	500.0	500.0	500.0	3.6	3.6	-56.26	33.5	-50.2	60.4	52.2	8.14	7.417	
600.0	600.0	600.0	600.0	3.7	3.7	-56.26	33.5	-50.2	60.4	52.0	8.36	7.225	
700.0	700.0	700.0	700.0	3.9	3.9	-56.26	33.5	-50.2	60.4	51.8	8.57	7.046	
800.0	800.0	800.0	800.0	4.0	4.0	-56.26	33.5	-50.2	60.4	51.6	8.78	6.879	
900.0	900.0	900.0	900.0	4.1	4.1	-56.26	33.5	-50.2	60.4	51.4	8.98	6.723	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-56.26	33.5	-50.2	60.4	51.2	9.18	6.575	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-56.26	33.5	-50.2	60.4	51.0	9.38	6.437	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	-56.26	33.5	-50.2	60.4	50.8	9.58	6.305	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-56.26	33.5	-50.2	60.4	50.6	9.77	6.181	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	-56.26	33.5	-50.2	60.4	50.4	9.96	6.063	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-56.26	33.5	-50.2	60.4	50.2	10.15	5.951 CC, ES	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	5.0	-143.24	33.5	-50.2	61.8	51.7	10.13	6.099	
1,700.0	1,699.8	1,699.8	1,699.8	5.1	5.1	-145.91	33.5	-50.2	66.0	55.6	10.49	6.295	
1,800.0	1,799.5	1,799.5	1,799.5	5.3	5.3	-149.64	33.5	-50.2	73.4	62.6	10.87	6.754	
1,900.0	1,898.7	1,898.7	1,898.7	5.6	5.4	-153.74	33.5	-50.2	84.2	72.9	11.29	7.460	
2,000.0	1,997.5	1,997.5	1,997.5	5.9	5.6	-157.65	33.5	-50.2	98.5	86.7	11.73	8.393	
2,100.0	2,095.6	2,095.6	2,095.6	6.3	5.7	-161.10	33.5	-50.2	116.4	104.2	12.22	9.527	
2,200.0	2,193.4	2,193.4	2,193.4	6.5	5.8	-163.93	33.5	-50.2	136.3	123.6	12.65	10.771	
2,300.0	2,291.3	2,291.3	2,291.3	6.9	5.9	-166.03	33.5	-50.2	156.4	143.3	13.10	11.935	
2,400.0	2,389.1	2,389.1	2,389.1	7.2	6.1	-167.66	33.5	-50.2	176.6	163.1	13.57	13.014	
2,500.0	2,486.9	2,486.9	2,486.9	7.5	6.2	-168.95	33.5	-50.2	197.0	183.0	14.06	14.011	
2,600.0	2,584.7	2,584.7	2,584.7	7.9	6.3	-170.00	33.5	-50.2	217.5	202.9	14.57	14.931	
2,700.0	2,682.5	2,682.5	2,682.5	8.2	6.5	-170.87	33.5	-50.2	238.0	222.9	15.08	15.779	
2,800.0	2,780.3	2,780.3	2,780.3	8.6	6.6	-171.60	33.5	-50.2	258.6	242.9	15.61	16.560	
2,900.0	2,878.1	2,878.1	2,878.1	9.0	6.7	-172.22	33.5	-50.2	279.1	263.0	16.15	17.280	
3,000.0	2,976.0	2,976.0	2,976.0	9.4	6.8	-172.76	33.5	-50.2	299.8	283.1	16.70	17.945	
3,100.0	3,073.8	3,073.8	3,073.8	9.8	6.9	-173.23	33.5	-50.2	320.4	303.1	17.26	18.559	
3,200.0	3,171.6	3,171.6	3,171.6	10.2	7.0	-173.64	33.5	-50.2	341.1	323.2	17.83	19.127	
3,300.0	3,269.4	3,269.4	3,269.4	10.6	7.2	-174.01	33.5	-50.2	361.7	343.3	18.41	19.652	
3,400.0	3,367.2	3,367.2	3,367.2	11.0	7.3	-174.33	33.5	-50.2	382.4	363.4	18.99	20.140	
3,500.0	3,465.0	3,465.0	3,465.0	11.5	7.4	-174.62	33.5	-50.2	403.1	383.6	19.58	20.593	
3,600.0	3,562.8	3,562.8	3,562.8	11.9	7.5	-174.89	33.5	-50.2	423.8	403.7	20.17	21.014	
3,700.0	3,660.7	3,660.7	3,660.7	12.3	7.6	-175.12	33.5	-50.2	444.6	423.8	20.77	21.406	
3,800.0	3,758.5	3,758.5	3,758.5	12.8	7.7	-175.34	33.5	-50.2	465.3	443.9	21.37	21.772	
3,900.0	3,856.3	3,856.3	3,856.3	13.2	7.8	-175.54	33.5	-50.2	486.0	464.0	21.98	22.114	
4,000.0	3,954.1	3,954.1	3,954.1	13.6	8.0	-175.72	33.5	-50.2	506.7	484.2	22.59	22.434	
4,100.0	4,051.9	4,051.9	4,051.9	14.1	8.1	-175.89	33.5	-50.2	527.5	504.3	23.20	22.734	
4,200.0	4,149.7	4,149.7	4,149.7	14.5	8.2	-176.05	33.5	-50.2	548.2	524.4	23.82	23.015	
4,300.0	4,247.5	4,247.5	4,247.5	15.0	8.3	-176.19	33.5	-50.2	569.0	544.5	24.44	23.279	
4,400.0	4,345.4	4,345.4	4,345.4	15.4	8.4	-176.33	33.5	-50.2	589.7	564.7	25.06	23.528	
4,500.0	4,443.2	4,443.2	4,443.2	15.9	8.5	-176.45	33.5	-50.2	610.5	584.8	25.69	23.763	
4,600.0	4,541.0	4,541.0	4,541.0	16.3	8.6	-176.57	33.5	-50.2	631.2	604.9	26.32	23.984	
4,700.0	4,638.8	4,638.8	4,638.8	16.8	8.7	-176.68	33.5	-50.2	652.0	625.0	26.95	24.193	
4,800.0	4,736.6	4,736.6	4,736.6	17.2	8.8	-176.78	33.5	-50.2	672.7	645.2	27.58	24.391	
4,900.0	4,834.4	4,834.4	4,834.4	17.7	8.9	-176.88	33.5	-50.2	693.5	665.3	28.22	24.578	
5,000.0	4,932.3	4,932.3	4,932.3	18.1	9.0	-176.97	33.5	-50.2	714.3	685.4	28.85	24.756	
5,100.0	5,030.1	5,030.1	5,030.1	18.6	9.1	-177.05	33.5	-50.2	735.0	705.5	29.49	24.921	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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)			
5,105.0	5,035.0	5,035.0	5,035.0	18.6	9.1	-177.06	33.5	-50.2	736.1	706.5	29.53	24.929	
5,200.0	5,128.0	5,128.0	5,128.0	19.0	9.2	-177.14	33.5	-50.2	755.0	724.9	30.13	25.062	
5,300.0	5,226.3	5,226.3	5,226.3	19.5	9.3	-177.22	33.5	-50.2	773.3	742.6	30.75	25.147	
5,400.0	5,325.0	5,325.0	5,325.0	19.9	9.4	-177.28	33.5	-50.2	789.9	758.5	31.37	25.182	
5,500.0	5,423.8	5,423.8	5,423.8	20.4	9.5	-177.34	33.5	-50.2	804.7	772.8	31.97	25.170	
5,600.0	5,523.0	5,523.0	5,523.0	20.8	9.6	-177.39	33.5	-50.2	817.9	785.3	32.56	25.116	
5,700.0	5,622.3	5,622.3	5,622.3	21.2	9.7	-177.43	33.5	-50.2	829.3	796.1	33.14	25.024	
5,800.0	5,721.9	5,721.9	5,721.9	21.6	9.8	-177.46	33.5	-50.2	838.9	805.2	33.70	24.897	
5,900.0	5,821.5	5,821.5	5,821.5	22.0	9.9	-177.49	33.5	-50.2	846.8	812.6	34.23	24.738	
6,000.0	5,921.3	5,921.3	5,921.3	22.3	10.0	-177.51	33.5	-50.2	853.0	818.3	34.74	24.552	
6,100.0	6,021.2	6,021.2	6,021.2	22.6	10.1	-177.53	33.5	-50.2	857.5	822.3	35.22	24.345	
6,200.0	6,121.2	6,121.2	6,121.2	22.9	10.2	-177.54	33.5	-50.2	860.2	824.5	35.65	24.125	
6,300.0	6,221.2	6,221.2	6,221.2	23.1	10.3	-177.54	33.5	-50.2	861.1	825.2	35.91	23.980	
6,305.0	6,226.2	6,226.2	6,226.2	23.1	10.4	-91.54	33.5	-50.2	861.1	825.2	35.92	23.972	
6,400.0	6,321.2	6,321.2	6,321.2	23.1	10.5	-91.54	33.5	-50.2	861.1	825.1	36.01	23.911	
6,500.0	6,421.2	6,421.2	6,421.2	23.2	10.6	-91.54	33.5	-50.2	861.1	825.0	36.11	23.845	
6,600.0	6,521.2	6,521.2	6,521.2	23.2	10.7	-91.54	33.5	-50.2	861.1	824.9	36.22	23.778	
6,700.0	6,621.2	6,621.2	6,621.2	23.2	10.8	-91.54	33.5	-50.2	861.1	824.8	36.32	23.712	
6,800.0	6,721.2	6,721.2	6,721.2	23.3	10.8	-91.54	33.5	-50.2	861.1	824.7	36.42	23.646	
6,900.0	6,821.2	6,821.2	6,821.2	23.3	10.9	-91.54	33.5	-50.2	861.1	824.6	36.52	23.580	
7,000.0	6,921.2	6,921.2	6,921.2	23.3	11.0	-91.54	33.5	-50.2	861.1	824.5	36.62	23.515	
7,100.0	7,021.2	7,021.2	7,021.2	23.4	11.1	-91.54	33.5	-50.2	861.1	824.4	36.72	23.449	
7,200.0	7,121.2	7,121.2	7,121.2	23.4	11.2	-91.54	33.5	-50.2	861.1	824.3	36.83	23.383	
7,300.0	7,221.2	7,221.2	7,221.2	23.4	11.3	-91.54	33.5	-50.2	861.1	824.2	36.93	23.318	
7,400.0	7,321.2	7,321.2	7,321.2	23.5	11.4	-91.54	33.5	-50.2	861.1	824.1	37.03	23.252	
7,500.0	7,421.2	7,421.2	7,421.2	23.5	11.5	-91.54	33.5	-50.2	861.1	824.0	37.14	23.187	
7,600.0	7,521.2	7,521.2	7,521.2	23.5	11.6	-91.54	33.5	-50.2	861.1	823.9	37.24	23.122	
7,700.0	7,621.2	7,621.2	7,621.2	23.6	11.7	-91.54	33.5	-50.2	861.1	823.8	37.35	23.057	
7,800.0	7,721.2	7,721.2	7,721.2	23.6	11.8	-91.54	33.5	-50.2	861.1	823.7	37.45	22.992	
7,900.0	7,821.2	7,821.2	7,821.2	23.6	11.9	-91.54	33.5	-50.2	861.1	823.6	37.56	22.927	
8,000.0	7,921.2	7,921.2	7,921.2	23.7	12.0	-91.54	33.5	-50.2	861.1	823.5	37.67	22.862	
8,100.0	8,021.2	8,021.2	8,021.2	23.7	12.1	-91.54	33.5	-50.2	861.1	823.4	37.77	22.798	
8,200.0	8,121.2	8,121.2	8,121.2	23.8	12.2	-91.54	33.5	-50.2	861.1	823.3	37.88	22.733	
8,300.0	8,221.2	8,221.2	8,221.2	23.8	12.3	-91.54	33.5	-50.2	861.1	823.2	37.99	22.669	
8,400.0	8,321.2	8,321.2	8,321.2	23.8	12.4	-91.54	33.5	-50.2	861.1	823.0	38.10	22.605	
8,500.0	8,421.2	8,421.2	8,421.2	23.9	12.5	-91.54	33.5	-50.2	861.1	822.9	38.20	22.541	
8,600.0	8,521.2	8,521.2	8,521.2	23.9	12.6	-91.54	33.5	-50.2	861.1	822.8	38.31	22.477	
8,700.0	8,621.2	8,621.2	8,621.2	23.9	12.7	-91.54	33.5	-50.2	861.1	822.7	38.42	22.413	
8,800.0	8,721.2	8,721.2	8,721.2	24.0	12.8	-91.54	33.5	-50.2	861.1	822.6	38.53	22.349	
8,900.0	8,821.2	8,821.2	8,821.2	24.0	12.9	-91.54	33.5	-50.2	861.1	822.5	38.64	22.286	
9,000.0	8,921.2	8,921.2	8,921.2	24.1	13.0	-91.54	33.5	-50.2	861.1	822.4	38.75	22.222	
9,100.0	9,021.2	9,021.2	9,021.2	24.1	13.1	-91.54	33.5	-50.2	861.1	822.3	38.86	22.159	
9,200.0	9,121.2	9,121.2	9,121.2	24.1	13.2	-91.54	33.5	-50.2	861.1	822.2	38.97	22.096	
9,300.0	9,221.2	9,221.2	9,221.2	24.2	13.3	-91.54	33.5	-50.2	861.1	822.1	39.08	22.033	
9,400.0	9,321.2	9,321.2	9,321.2	24.2	13.3	-91.54	33.5	-50.2	861.1	821.9	39.20	21.971	
9,500.0	9,421.2	9,421.2	9,421.2	24.3	13.4	-91.54	33.5	-50.2	861.1	821.8	39.31	21.908	
9,600.0	9,521.2	9,521.2	9,521.2	24.3	13.5	-91.54	33.5	-50.2	861.1	821.7	39.42	21.846	
9,700.0	9,621.2	9,621.2	9,621.2	24.3	13.6	-91.54	33.5	-50.2	861.1	821.6	39.53	21.783	
9,800.0	9,721.2	9,721.2	9,721.2	24.4	13.7	-91.54	33.5	-50.2	861.1	821.5	39.65	21.721	
9,900.0	9,821.2	9,821.2	9,821.2	24.4	13.8	-91.54	33.5	-50.2	861.1	821.4	39.76	21.659	
10,000.0	9,921.2	9,921.2	9,921.2	24.5	13.9	-91.54	33.5	-50.2	861.1	821.3	39.87	21.598	
10,100.0	10,021.2	10,021.2	10,021.2	24.5	14.0	-91.54	33.5	-50.2	861.1	821.2	39.99	21.536	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	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	10,121.2	10,121.2	10,121.2	24.5	14.1	-91.54	33.5	-50.2	861.1	821.0	40.10	21.475	
10,300.0	10,221.2	10,221.2	10,221.2	24.6	14.2	-91.54	33.5	-50.2	861.1	820.9	40.21	21.414	
10,400.0	10,321.2	10,321.2	10,321.2	24.6	14.3	-91.54	33.5	-50.2	861.1	820.8	40.33	21.353	
10,500.0	10,421.2	10,421.2	10,421.2	24.7	14.4	-91.54	33.5	-50.2	861.1	820.7	40.44	21.292	
10,600.0	10,521.2	10,521.2	10,521.2	24.7	14.5	-91.54	33.5	-50.2	861.1	820.6	40.56	21.231	
10,700.0	10,621.2	10,621.2	10,621.2	24.7	14.6	-91.54	33.5	-50.2	861.1	820.5	40.68	21.171	
10,800.0	10,721.2	10,721.2	10,721.2	24.8	14.6	-91.54	33.5	-50.2	861.1	820.4	40.79	21.110	
10,900.0	10,821.2	10,821.2	10,821.2	24.8	14.7	-91.54	33.5	-50.2	861.1	820.2	40.91	21.050	
11,000.0	10,921.2	10,921.2	10,921.2	24.9	14.8	-91.54	33.5	-50.2	861.1	820.1	41.03	20.990	
11,100.0	11,021.2	11,021.2	11,021.2	24.9	14.9	-91.54	33.5	-50.2	861.1	820.0	41.14	20.931	
11,200.0	11,121.2	11,121.2	11,121.2	25.0	15.0	-91.54	33.5	-50.2	861.1	819.9	41.26	20.871	
11,300.0	11,221.2	11,221.2	11,221.2	25.0	15.1	-91.54	33.5	-50.2	861.1	819.8	41.37	20.814	
11,339.3	11,260.5	11,260.5	11,260.5	25.0	15.1	-91.54	33.5	-50.2	861.1	819.8	41.31	20.845	
11,350.0	11,271.2	11,271.3	11,271.3	25.0	15.1	88.83	33.4	-50.2	861.1	820.0	41.19	20.909	
11,375.0	11,296.2	11,296.6	11,296.5	25.0	15.1	88.83	32.1	-50.2	861.1	819.9	41.19	20.905	
11,400.0	11,321.0	11,321.8	11,321.6	25.0	15.2	88.83	29.5	-50.1	861.0	819.8	41.20	20.900	
11,425.0	11,345.7	11,347.0	11,346.5	25.0	15.2	88.84	25.5	-50.0	860.9	819.7	41.20	20.895	
11,450.0	11,370.2	11,372.3	11,371.2	25.0	15.2	88.85	20.3	-49.8	860.8	819.6	41.21	20.890	
11,475.0	11,394.4	11,397.5	11,395.6	25.0	15.2	88.86	13.8	-49.6	860.6	819.4	41.21	20.883	
11,500.0	11,418.2	11,422.7	11,419.5	25.0	15.2	88.88	5.9	-49.3	860.4	819.2	41.22	20.875	
11,525.0	11,441.6	11,447.9	11,443.1	25.0	15.2	88.89	-3.1	-49.0	860.2	819.0	41.22	20.867	
11,550.0	11,464.4	11,473.1	11,466.1	25.0	15.3	88.92	-13.4	-48.7	860.0	818.7	41.23	20.857	
11,575.0	11,486.7	11,498.3	11,488.5	25.0	15.3	88.94	-24.9	-48.3	859.7	818.4	41.24	20.846	
11,600.0	11,508.4	11,523.5	11,510.2	25.0	15.3	88.97	-37.5	-47.9	859.3	818.1	41.25	20.834	
11,625.0	11,529.5	11,548.7	11,531.3	25.0	15.3	89.00	-51.3	-47.5	859.0	817.7	41.26	20.821	
11,650.0	11,549.7	11,573.8	11,551.6	25.0	15.4	89.03	-66.2	-47.0	858.6	817.4	41.27	20.807	
11,675.0	11,569.2	11,599.0	11,571.1	25.1	15.4	89.06	-82.1	-46.5	858.2	816.9	41.28	20.790	
11,700.0	11,587.9	11,624.1	11,589.7	25.1	15.4	89.10	-99.0	-45.9	857.8	816.5	41.29	20.773	
11,725.0	11,605.6	11,649.2	11,607.4	25.1	15.4	89.14	-116.8	-45.4	857.3	816.0	41.31	20.753	
11,750.0	11,622.4	11,674.4	11,624.1	25.1	15.5	89.19	-135.5	-44.8	856.9	815.5	41.33	20.732	
11,775.0	11,638.2	11,699.5	11,639.8	25.1	15.5	89.23	-155.1	-44.1	856.4	815.0	41.35	20.709	
11,800.0	11,653.0	11,724.6	11,654.5	25.1	15.5	89.28	-175.5	-43.5	855.8	814.5	41.38	20.685	
11,825.0	11,666.7	11,749.6	11,668.0	25.1	15.6	89.33	-196.6	-42.8	855.3	813.9	41.40	20.658	
11,850.0	11,679.3	11,774.7	11,680.4	25.1	15.6	89.38	-218.3	-42.1	854.7	813.3	41.43	20.629	
11,875.0	11,690.7	11,799.8	11,691.7	25.1	15.6	89.43	-240.7	-41.4	854.2	812.7	41.47	20.598	
11,900.0	11,701.0	11,824.8	11,701.7	25.2	15.6	89.48	-263.6	-40.6	853.6	812.1	41.50	20.566	
11,925.0	11,710.0	11,849.8	11,710.5	25.2	15.7	89.54	-287.0	-39.9	853.0	811.4	41.55	20.531	
11,950.0	11,717.8	11,874.8	11,718.1	25.2	15.7	89.60	-310.8	-39.1	852.4	810.8	41.59	20.494	
11,975.0	11,724.4	11,899.8	11,724.5	25.2	15.7	89.66	-335.0	-38.3	851.7	810.1	41.64	20.456	
12,000.0	11,729.7	11,924.8	11,729.5	25.2	15.7	89.71	-359.5	-37.5	851.1	809.4	41.69	20.415	
12,025.0	11,733.7	11,949.8	11,733.3	25.3	15.7	89.77	-384.1	-36.7	850.5	808.7	41.75	20.373	
12,050.0	11,736.4	11,974.8	11,735.7	25.3	15.7	89.83	-409.0	-35.9	849.8	808.0	41.80	20.329	
12,075.0	11,737.8	11,999.7	11,736.9	25.3	15.7	89.90	-433.9	-35.1	849.2	807.3	41.87	20.283	
12,089.3	11,738.0	12,009.5	11,737.0	25.3	15.7	89.93	-443.7	-34.8	848.8	806.9	41.89	20.264	
12,100.0	11,738.0	12,021.2	11,737.0	25.3	15.7	89.93	-455.4	-34.5	848.6	806.7	41.92	20.241	
12,200.0	11,738.0	12,102.8	11,737.0	25.5	15.8	89.93	-537.0	-33.2	847.7	805.5	42.18	20.099	
12,300.0	11,738.0	12,202.8	11,737.0	25.6	16.0	89.93	-637.0	-32.6	847.7	805.2	42.55	19.924	
12,400.0	11,738.0	12,302.8	11,737.0	25.8	16.3	89.93	-737.0	-31.9	847.7	804.7	42.97	19.730	
12,500.0	11,738.0	12,402.8	11,737.0	26.0	16.6	89.93	-836.9	-31.3	847.7	804.3	43.43	19.517	
12,600.0	11,738.0	12,502.8	11,737.0	26.3	16.9	89.93	-936.9	-30.6	847.7	803.8	43.95	19.288	
12,700.0	11,738.0	12,602.8	11,737.0	26.5	17.3	89.93	-1,036.9	-30.0	847.7	803.2	44.51	19.045	
12,800.0	11,738.0	12,702.8	11,737.0	26.8	17.7	89.93	-1,136.9	-29.3	847.7	802.6	45.12	18.789	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
12,900.0	11,738.0	12,802.8	11,737.0	27.1	18.1	89.93	-1,236.9	-28.7	847.7	801.9	45.76	18.524	
13,000.0	11,738.0	12,902.8	11,737.0	27.4	18.6	89.93	-1,336.9	-28.0	847.7	801.3	46.45	18.250	
13,100.0	11,738.0	13,002.8	11,737.0	27.7	19.0	89.93	-1,436.9	-27.4	847.7	800.5	47.18	17.969	
13,200.0	11,738.0	13,102.8	11,737.0	28.0	19.5	89.93	-1,536.9	-26.7	847.7	799.8	47.94	17.683	
13,300.0	11,738.0	13,202.8	11,737.0	28.4	20.0	89.93	-1,636.9	-26.1	847.7	799.0	48.74	17.394	
13,400.0	11,738.0	13,302.8	11,737.0	28.7	20.5	89.93	-1,736.9	-25.4	847.7	798.1	49.57	17.102	
13,500.0	11,738.0	13,402.8	11,737.0	29.1	21.0	89.93	-1,836.9	-24.8	847.7	797.3	50.43	16.809	
13,600.0	11,738.0	13,502.8	11,737.0	29.5	21.6	89.93	-1,936.9	-24.1	847.7	796.4	51.32	16.517	
13,700.0	11,738.0	13,602.8	11,737.0	29.9	22.1	89.93	-2,036.9	-23.5	847.7	795.5	52.24	16.226	
13,800.0	11,738.0	13,702.8	11,737.0	30.3	22.7	89.93	-2,136.9	-22.8	847.7	794.5	53.19	15.937	
13,900.0	11,738.0	13,802.8	11,737.0	30.8	23.3	89.93	-2,236.9	-22.2	847.7	793.5	54.16	15.650	
14,000.0	11,738.0	13,902.8	11,737.0	31.2	23.9	89.93	-2,336.9	-21.5	847.7	792.5	55.16	15.367	
14,100.0	11,738.0	14,002.8	11,737.0	31.7	24.5	89.93	-2,436.9	-20.9	847.7	791.5	56.18	15.088	
14,200.0	11,738.0	14,102.8	11,737.0	32.2	25.1	89.93	-2,536.9	-20.2	847.7	790.5	57.23	14.813	
14,300.0	11,738.0	14,202.8	11,737.0	32.7	25.7	89.93	-2,636.9	-19.6	847.7	789.4	58.29	14.543	
14,400.0	11,738.0	14,302.8	11,737.0	33.1	26.3	89.93	-2,736.9	-18.9	847.7	788.3	59.37	14.278	
14,500.0	11,738.0	14,402.8	11,737.0	33.7	27.0	89.93	-2,836.9	-18.3	847.7	787.2	60.47	14.019	
14,600.0	11,738.0	14,502.8	11,737.0	34.2	27.6	89.93	-2,936.9	-17.6	847.7	786.1	61.59	13.764	
14,700.0	11,738.0	14,602.8	11,737.0	34.7	28.2	89.93	-3,036.9	-17.0	847.7	785.0	62.72	13.515	
14,800.0	11,738.0	14,702.8	11,737.0	35.2	28.9	89.93	-3,136.9	-16.3	847.7	783.8	63.87	13.272	
14,900.0	11,738.0	14,802.8	11,737.0	35.8	29.6	89.93	-3,236.9	-15.7	847.7	782.7	65.04	13.035	
15,000.0	11,738.0	14,902.8	11,737.0	36.3	30.2	89.93	-3,336.9	-15.0	847.7	781.5	66.21	12.803	
15,100.0	11,738.0	15,002.8	11,737.0	36.9	30.9	89.93	-3,436.9	-14.4	847.7	780.3	67.40	12.576	
15,200.0	11,738.0	15,102.8	11,737.0	37.4	31.6	89.93	-3,536.9	-13.7	847.7	779.1	68.61	12.356	
15,300.0	11,738.0	15,202.8	11,737.0	38.0	32.2	89.93	-3,636.9	-13.1	847.7	777.9	69.82	12.141	
15,400.0	11,738.0	15,302.8	11,737.0	38.6	32.9	89.93	-3,736.9	-12.4	847.7	776.7	71.05	11.931	
15,500.0	11,738.0	15,402.8	11,737.0	39.1	33.6	89.93	-3,836.9	-11.8	847.7	775.4	72.29	11.727	
15,600.0	11,738.0	15,502.8	11,737.0	39.7	34.3	89.93	-3,936.9	-11.1	847.7	774.2	73.54	11.528	
15,700.0	11,738.0	15,602.8	11,737.0	40.3	35.0	89.93	-4,036.9	-10.5	847.7	772.9	74.79	11.334	
15,800.0	11,738.0	15,702.8	11,737.0	40.9	35.6	89.93	-4,136.9	-9.8	847.7	771.6	76.06	11.145	
15,900.0	11,738.0	15,802.8	11,737.0	41.5	36.3	89.93	-4,236.9	-9.2	847.7	770.4	77.33	10.962	
16,000.0	11,738.0	15,902.8	11,737.0	42.1	37.0	89.93	-4,336.9	-8.5	847.7	769.1	78.62	10.783	
16,100.0	11,738.0	16,002.8	11,737.0	42.8	37.7	89.93	-4,436.9	-7.9	847.7	767.8	79.91	10.609	
16,200.0	11,738.0	16,102.8	11,737.0	43.4	38.4	89.93	-4,536.9	-7.2	847.7	766.5	81.21	10.439	
16,300.0	11,738.0	16,202.8	11,737.0	44.0	39.1	89.93	-4,636.9	-6.6	847.7	765.2	82.51	10.274	
16,400.0	11,738.0	16,302.8	11,737.0	44.6	39.9	89.93	-4,736.9	-5.9	847.7	763.9	83.82	10.113	
16,500.0	11,738.0	16,402.8	11,737.0	45.3	40.6	89.93	-4,836.9	-5.3	847.7	762.6	85.14	9.956	
16,600.0	11,738.0	16,502.8	11,737.0	45.9	41.3	89.93	-4,936.9	-4.6	847.7	761.2	86.47	9.804	
16,700.0	11,738.0	16,602.8	11,737.0	46.5	42.0	89.93	-5,036.9	-3.9	847.7	759.9	87.80	9.655	
16,800.0	11,738.0	16,702.8	11,737.0	47.2	42.7	89.93	-5,136.9	-3.3	847.7	758.6	89.13	9.510	
16,900.0	11,738.0	16,802.8	11,737.0	47.8	43.4	89.93	-5,236.9	-2.6	847.7	757.2	90.48	9.369	
17,000.0	11,738.0	16,902.8	11,737.0	48.5	44.1	89.93	-5,336.9	-2.0	847.7	755.9	91.82	9.232	
17,100.0	11,738.0	17,002.8	11,737.0	49.1	44.9	89.93	-5,436.9	-1.3	847.7	754.5	93.17	9.098	
17,200.0	11,738.0	17,102.8	11,737.0	49.8	45.6	89.93	-5,536.8	-0.7	847.7	753.2	94.53	8.968	
17,300.0	11,738.0	17,202.8	11,737.0	50.5	46.3	89.93	-5,636.8	0.0	847.7	751.8	95.89	8.840	
17,400.0	11,738.0	17,302.8	11,737.0	51.1	47.0	89.93	-5,736.8	0.6	847.7	750.4	97.26	8.716	
17,500.0	11,738.0	17,402.8	11,737.0	51.8	47.7	89.93	-5,836.8	1.3	847.7	749.1	98.63	8.595	
17,600.0	11,738.0	17,502.8	11,737.0	52.4	48.5	89.93	-5,936.8	1.9	847.7	747.7	100.00	8.477	
17,700.0	11,738.0	17,602.8	11,737.0	53.1	49.2	89.93	-6,036.8	2.6	847.7	746.3	101.38	8.362	
17,800.0	11,738.0	17,702.8	11,737.0	53.8	49.9	89.93	-6,136.8	3.2	847.7	744.9	102.76	8.250	
17,900.0	11,738.0	17,802.8	11,737.0	54.5	50.6	89.93	-6,236.8	3.9	847.7	743.6	104.14	8.140	
18,000.0	11,738.0	17,902.8	11,737.0	55.1	51.4	89.93	-6,336.8	4.5	847.7	742.2	105.53	8.033	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		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	11,738.0	18,002.8	11,737.0	55.8	52.1	89.93	-6,436.8	5.2	847.7	740.8	106.92	7.928	
18,200.0	11,738.0	18,102.8	11,737.0	56.5	52.8	89.93	-6,536.8	5.8	847.7	739.4	108.31	7.826	
18,300.0	11,738.0	18,202.8	11,737.0	57.2	53.6	89.93	-6,636.8	6.5	847.7	738.0	109.71	7.727	
18,400.0	11,738.0	18,302.8	11,737.0	57.9	54.3	89.93	-6,736.8	7.1	847.7	736.6	111.11	7.629	
18,500.0	11,738.0	18,402.8	11,737.0	58.6	55.0	89.93	-6,836.8	7.8	847.7	735.2	112.51	7.534	
18,600.0	11,738.0	18,502.8	11,737.0	59.3	55.8	89.93	-6,936.8	8.4	847.7	733.8	113.92	7.441	
18,700.0	11,738.0	18,602.8	11,737.0	59.9	56.5	89.93	-7,036.8	9.1	847.7	732.4	115.32	7.351	
18,800.0	11,738.0	18,702.8	11,737.0	60.6	57.2	89.93	-7,136.8	9.7	847.7	731.0	116.74	7.262	
18,900.0	11,738.0	18,802.8	11,737.0	61.3	58.0	89.93	-7,236.8	10.4	847.7	729.6	118.15	7.175	
19,000.0	11,738.0	18,902.8	11,737.0	62.0	58.7	89.93	-7,336.8	11.0	847.7	728.1	119.56	7.090	
19,100.0	11,738.0	19,002.8	11,737.0	62.7	59.5	89.93	-7,436.8	11.7	847.7	726.7	120.98	7.007	
19,200.0	11,738.0	19,102.8	11,737.0	63.4	60.2	89.93	-7,536.8	12.3	847.7	725.3	122.40	6.926	
19,300.0	11,738.0	19,202.8	11,737.0	64.1	60.9	89.93	-7,636.8	13.0	847.7	723.9	123.82	6.846	
19,400.0	11,738.0	19,302.8	11,737.0	64.8	61.7	89.93	-7,736.8	13.6	847.7	722.5	125.24	6.768	
19,500.0	11,738.0	19,402.8	11,737.0	65.5	62.4	89.93	-7,836.8	14.3	847.7	721.0	126.67	6.692	
19,600.0	11,738.0	19,502.8	11,737.0	66.2	63.2	89.93	-7,936.8	14.9	847.7	719.6	128.10	6.618	
19,700.0	11,738.0	19,602.8	11,737.0	67.0	63.9	89.93	-8,036.8	15.6	847.7	718.2	129.52	6.545	
19,800.0	11,738.0	19,702.8	11,737.0	67.7	64.6	89.93	-8,136.8	16.2	847.7	716.7	130.95	6.473	
19,900.0	11,738.0	19,802.8	11,737.0	68.4	65.4	89.93	-8,236.8	16.9	847.7	715.3	132.39	6.403	
20,000.0	11,738.0	19,902.8	11,737.0	69.1	66.1	89.93	-8,336.8	17.5	847.7	713.9	133.82	6.335	
20,100.0	11,738.0	20,002.8	11,737.0	69.8	66.9	89.93	-8,436.8	18.2	847.7	712.4	135.26	6.267	
20,200.0	11,738.0	20,102.8	11,737.0	70.5	67.6	89.93	-8,536.8	18.8	847.7	711.0	136.69	6.201	
20,300.0	11,738.0	20,202.8	11,737.0	71.2	68.4	89.93	-8,636.8	19.5	847.7	709.6	138.13	6.137	
20,400.0	11,738.0	20,302.8	11,737.0	71.9	69.1	89.93	-8,736.8	20.1	847.7	708.1	139.57	6.074	
20,500.0	11,738.0	20,402.8	11,737.0	72.6	69.9	89.93	-8,836.8	20.8	847.7	706.7	141.01	6.012	
20,600.0	11,738.0	20,502.8	11,737.0	73.4	70.6	89.93	-8,936.8	21.4	847.7	705.2	142.46	5.951	
20,700.0	11,738.0	20,602.8	11,737.0	74.1	71.4	89.93	-9,036.8	22.1	847.7	703.8	143.90	5.891	
20,800.0	11,738.0	20,702.8	11,737.0	74.8	72.1	89.93	-9,136.8	22.7	847.7	702.4	145.34	5.832	
20,900.0	11,738.0	20,802.8	11,737.0	75.5	72.8	89.93	-9,236.8	23.4	847.7	700.9	146.79	5.775	
21,000.0	11,738.0	20,902.8	11,737.0	76.2	73.6	89.93	-9,336.8	24.0	847.7	699.5	148.24	5.718	
21,100.0	11,738.0	21,002.8	11,737.0	77.0	74.3	89.93	-9,436.8	24.7	847.7	698.0	149.69	5.663	
21,200.0	11,738.0	21,102.8	11,737.0	77.7	75.1	89.93	-9,536.8	25.3	847.7	696.6	151.14	5.609	
21,300.0	11,738.0	21,202.8	11,737.0	78.4	75.8	89.93	-9,636.8	26.0	847.7	695.1	152.59	5.555	
21,400.0	11,738.0	21,302.8	11,737.0	79.1	76.6	89.93	-9,736.8	26.6	847.7	693.7	154.04	5.503	
21,500.0	11,738.0	21,402.8	11,737.0	79.8	77.3	89.93	-9,836.8	27.3	847.7	692.2	155.49	5.452	
21,600.0	11,738.0	21,502.8	11,737.0	80.6	78.1	89.93	-9,936.8	28.0	847.7	690.8	156.95	5.401	
21,642.9	11,738.0	21,545.7	11,737.0	80.9	78.4	89.93	-9,979.6	28.2	847.7	690.1	157.57	5.380	
21,691.3	11,738.0	21,594.1	11,737.0	81.2	78.8	89.93	-10,028.0	28.5	847.7	689.4	158.27	5.356	
21,692.9	11,738.0	21,595.5	11,737.0	81.2	78.8	89.93	-10,029.5	28.6	847.7	689.4	158.29	5.355 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-56.14	16.9	-25.2	30.3	23.3	6.98	4.340	
100.0	100.0	100.0	100.0	3.1	3.1	-56.14	16.9	-25.2	30.3	23.1	7.23	4.193	
200.0	200.0	200.0	200.0	3.2	3.2	-56.14	16.9	-25.2	30.3	22.8	7.46	4.059	
300.0	300.0	300.0	300.0	3.4	3.4	-56.14	16.9	-25.2	30.3	22.6	7.70	3.937	
400.0	400.0	400.0	400.0	3.5	3.5	-56.14	16.9	-25.2	30.3	22.4	7.92	3.825	
500.0	500.0	500.0	500.0	3.6	3.6	-56.14	16.9	-25.2	30.3	22.2	8.14	3.721	
600.0	600.0	600.0	600.0	3.7	3.7	-56.14	16.9	-25.2	30.3	21.9	8.36	3.625	
700.0	700.0	700.0	700.0	3.9	3.9	-56.14	16.9	-25.2	30.3	21.7	8.57	3.535	
800.0	800.0	800.0	800.0	4.0	4.0	-56.14	16.9	-25.2	30.3	21.5	8.78	3.451	
900.0	900.0	900.0	900.0	4.1	4.1	-56.14	16.9	-25.2	30.3	21.3	8.98	3.373	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-56.14	16.9	-25.2	30.3	21.1	9.18	3.299	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-56.14	16.9	-25.2	30.3	20.9	9.38	3.229	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	-56.14	16.9	-25.2	30.3	20.7	9.58	3.163	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-56.14	16.9	-25.2	30.3	20.5	9.77	3.101	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	-56.14	16.9	-25.2	30.3	20.3	9.96	3.041	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-56.14	16.9	-25.2	30.3	20.1	10.15	2.985 CC	
1,600.0	1,600.0	1,600.8	1,600.8	4.9	4.9	-141.99	17.1	-23.4	30.3	20.2	10.11	3.001	
1,700.0	1,699.8	1,701.6	1,701.4	5.1	5.1	-141.53	17.7	-18.1	30.5	19.9	10.55	2.889	
1,800.0	1,799.5	1,802.4	1,801.9	5.3	5.3	-140.79	18.8	-9.3	30.7	19.7	11.00	2.794	
1,900.0	1,898.7	1,903.2	1,901.9	5.6	5.6	-139.76	20.3	3.0	31.1	19.6	11.45	2.714 ES, SF	
2,000.0	1,997.5	2,003.2	2,000.9	5.9	5.8	-140.76	22.0	16.8	32.9	21.0	11.92	2.761	
2,100.0	2,095.6	2,103.0	2,099.7	6.3	6.1	-144.92	23.7	30.6	37.5	25.1	12.47	3.009	
2,200.0	2,193.4	2,202.8	2,198.5	6.5	6.4	-149.40	25.4	44.3	43.8	30.8	13.05	3.358	
2,300.0	2,291.3	2,302.5	2,297.3	6.9	6.7	-152.74	27.1	58.1	50.3	36.6	13.66	3.682	
2,400.0	2,389.1	2,402.3	2,396.1	7.2	7.0	-155.31	28.8	71.9	56.9	42.6	14.30	3.979	
2,500.0	2,486.9	2,502.0	2,494.9	7.5	7.3	-157.35	30.5	85.7	63.6	48.6	14.97	4.249	
2,600.0	2,584.7	2,601.8	2,593.6	7.9	7.6	-159.00	32.2	99.5	70.4	54.7	15.66	4.494	
2,700.0	2,682.5	2,701.5	2,692.4	8.2	8.0	-160.35	33.9	113.2	77.2	60.8	16.37	4.714	
2,800.0	2,780.3	2,801.3	2,791.2	8.6	8.3	-161.49	35.6	127.0	84.0	66.9	17.10	4.913	
2,900.0	2,878.1	2,901.0	2,890.0	9.0	8.7	-162.45	37.3	140.8	90.9	73.1	17.85	5.093	
3,000.0	2,976.0	3,000.8	2,988.8	9.4	9.0	-163.28	38.9	154.6	97.8	79.2	18.61	5.256	
3,100.0	3,073.8	3,100.5	3,087.6	9.8	9.4	-164.00	40.6	168.3	104.7	85.3	19.38	5.403	
3,200.0	3,171.6	3,200.3	3,186.3	10.2	9.8	-164.63	42.3	182.1	111.7	91.5	20.17	5.537	
3,300.0	3,269.4	3,300.0	3,285.1	10.6	10.2	-165.19	44.0	195.9	118.6	97.6	20.96	5.658	
3,400.0	3,367.2	3,399.8	3,383.9	11.0	10.6	-165.68	45.7	209.7	125.6	103.8	21.76	5.769	
3,500.0	3,465.0	3,499.5	3,482.7	11.5	10.9	-166.12	47.4	223.5	132.5	109.9	22.57	5.871	
3,600.0	3,562.8	3,599.3	3,581.5	11.9	11.3	-166.52	49.1	237.2	139.5	116.1	23.39	5.964	
3,700.0	3,660.7	3,699.1	3,680.2	12.3	11.7	-166.88	50.8	251.0	146.5	122.2	24.21	6.049	
3,800.0	3,758.5	3,798.8	3,779.0	12.8	12.1	-167.21	52.5	264.8	153.4	128.4	25.04	6.128	
3,900.0	3,856.3	3,898.6	3,877.8	13.2	12.5	-167.51	54.2	278.6	160.4	134.5	25.87	6.200	
4,000.0	3,954.1	3,998.3	3,976.6	13.6	12.9	-167.78	55.9	292.4	167.4	140.7	26.71	6.268	
4,100.0	4,051.9	4,098.1	4,075.4	14.1	13.3	-168.04	57.6	306.1	174.4	146.8	27.55	6.330	
4,200.0	4,149.7	4,197.8	4,174.2	14.5	13.7	-168.27	59.3	319.9	181.4	153.0	28.40	6.388	
4,300.0	4,247.5	4,297.1	4,272.4	15.0	14.1	-168.49	60.9	333.6	188.4	159.2	29.23	6.447	
4,400.0	4,345.4	4,393.6	4,368.2	15.4	14.5	-168.76	62.4	345.9	196.5	166.4	30.06	6.536	
4,500.0	4,443.2	4,489.8	4,463.8	15.9	14.9	-169.12	63.7	356.5	206.2	175.3	30.88	6.677	
4,600.0	4,541.0	4,585.7	4,559.3	16.3	15.3	-169.54	64.9	365.5	217.5	185.9	31.69	6.865	
4,700.0	4,638.8	4,681.2	4,654.5	16.8	15.6	-170.02	65.8	373.0	230.5	198.0	32.47	7.098	
4,800.0	4,736.6	4,776.3	4,749.4	17.2	15.9	-170.52	66.5	378.8	245.1	211.9	33.24	7.374	
4,900.0	4,834.4	4,870.9	4,843.8	17.7	16.2	-171.04	67.0	383.0	261.3	227.3	33.98	7.691	
5,000.0	4,932.3	4,964.9	4,937.8	18.1	16.5	-171.56	67.3	385.6	279.1	244.4	34.68	8.049	
5,100.0	5,030.1	5,058.3	5,031.3	18.6	16.7	-172.07	67.5	386.8	298.5	263.2	35.28	8.461	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	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	
5,105.0	5,035.0	5,063.0	5,035.9	18.6	16.7	-172.10	67.5	386.8	299.6	264.2	35.31	8.483	
5,200.0	5,128.0	5,155.1	5,128.0	19.0	16.8	-172.59	67.5	386.8	318.3	282.5	35.83	8.886	
5,300.0	5,226.3	5,253.4	5,226.3	19.5	16.8	-173.01	67.5	386.8	336.5	300.1	36.36	9.254	
5,400.0	5,325.0	5,352.0	5,325.0	19.9	16.9	-173.36	67.5	386.8	353.0	316.1	36.89	9.569	
5,500.0	5,423.8	5,450.9	5,423.8	20.4	16.9	-173.64	67.5	386.8	367.8	330.4	37.40	9.833	
5,600.0	5,523.0	5,550.1	5,523.0	20.8	17.0	-173.88	67.5	386.8	380.8	342.9	37.90	10.047	
5,700.0	5,622.3	5,649.4	5,622.3	21.2	17.0	-174.07	67.5	386.8	392.2	353.8	38.39	10.215	
5,800.0	5,721.9	5,748.9	5,721.9	21.6	17.0	-174.22	67.5	386.8	401.8	362.9	38.87	10.338	
5,900.0	5,821.5	5,848.6	5,821.5	22.0	17.1	-174.34	67.5	386.8	409.7	370.4	39.32	10.418	
6,000.0	5,921.3	5,948.4	5,921.3	22.3	17.1	-174.43	67.5	386.8	415.8	376.1	39.76	10.459	
6,100.0	6,021.2	6,048.3	6,021.2	22.6	17.2	-174.49	67.5	386.8	420.3	380.1	40.17	10.463	
6,200.0	6,121.2	6,148.3	6,121.2	22.9	17.2	-174.53	67.5	386.8	423.0	382.4	40.54	10.434	
6,300.0	6,221.2	6,248.3	6,221.2	23.1	17.3	-174.54	67.5	386.8	423.9	383.2	40.75	10.403	
6,305.0	6,226.2	6,253.3	6,226.2	23.1	17.3	-88.54	67.5	386.8	423.9	383.2	40.76	10.400	
6,400.0	6,321.2	6,348.3	6,321.2	23.1	17.3	-88.54	67.5	386.8	423.9	383.1	40.83	10.382	
6,500.0	6,421.2	6,448.3	6,421.2	23.2	17.4	-88.54	67.5	386.8	423.9	383.0	40.91	10.362	
6,600.0	6,521.2	6,548.3	6,521.2	23.2	17.4	-88.54	67.5	386.8	423.9	382.9	40.99	10.342	
6,700.0	6,621.2	6,648.3	6,621.2	23.2	17.5	-88.54	67.5	386.8	423.9	382.9	41.07	10.323	
6,800.0	6,721.2	6,748.3	6,721.2	23.3	17.5	-88.54	67.5	386.8	423.9	382.8	41.15	10.303	
6,900.0	6,821.2	6,848.3	6,821.2	23.3	17.6	-88.54	67.5	386.8	423.9	382.7	41.23	10.283	
7,000.0	6,921.2	6,948.3	6,921.2	23.3	17.6	-88.54	67.5	386.8	423.9	382.6	41.31	10.263	
7,100.0	7,021.2	7,048.3	7,021.2	23.4	17.7	-88.54	67.5	386.8	423.9	382.5	41.39	10.243	
7,200.0	7,121.2	7,148.3	7,121.2	23.4	17.7	-88.54	67.5	386.8	423.9	382.5	41.47	10.222	
7,300.0	7,221.2	7,248.3	7,221.2	23.4	17.8	-88.54	67.5	386.8	423.9	382.4	41.55	10.202	
7,400.0	7,321.2	7,348.3	7,321.2	23.5	17.8	-88.54	67.5	386.8	423.9	382.3	41.63	10.182	
7,500.0	7,421.2	7,448.3	7,421.2	23.5	17.9	-88.54	67.5	386.8	423.9	382.2	41.72	10.162	
7,600.0	7,521.2	7,548.3	7,521.2	23.5	17.9	-88.54	67.5	386.8	423.9	382.1	41.80	10.142	
7,700.0	7,621.2	7,648.3	7,621.2	23.6	18.0	-88.54	67.5	386.8	423.9	382.0	41.88	10.121	
7,800.0	7,721.2	7,748.3	7,721.2	23.6	18.0	-88.54	67.5	386.8	423.9	382.0	41.97	10.101	
7,900.0	7,821.2	7,848.3	7,821.2	23.6	18.1	-88.54	67.5	386.8	423.9	381.9	42.05	10.081	
8,000.0	7,921.2	7,948.3	7,921.2	23.7	18.1	-88.54	67.5	386.8	423.9	381.8	42.14	10.060	
8,100.0	8,021.2	8,048.3	8,021.2	23.7	18.2	-88.54	67.5	386.8	423.9	381.7	42.22	10.040	
8,200.0	8,121.2	8,148.3	8,121.2	23.8	18.3	-88.54	67.5	386.8	423.9	381.6	42.31	10.020	
8,300.0	8,221.2	8,248.3	8,221.2	23.8	18.3	-88.54	67.5	386.8	423.9	381.5	42.40	9.999	
8,400.0	8,321.2	8,348.3	8,321.2	23.8	18.4	-88.54	67.5	386.8	423.9	381.4	42.48	9.979	
8,500.0	8,421.2	8,448.3	8,421.2	23.9	18.4	-88.54	67.5	386.8	423.9	381.4	42.57	9.958	
8,600.0	8,521.2	8,548.3	8,521.2	23.9	18.5	-88.54	67.5	386.8	423.9	381.3	42.66	9.938	
8,700.0	8,621.2	8,648.3	8,621.2	23.9	18.5	-88.54	67.5	386.8	423.9	381.2	42.75	9.917	
8,800.0	8,721.2	8,748.3	8,721.2	24.0	18.6	-88.54	67.5	386.8	423.9	381.1	42.83	9.897	
8,900.0	8,821.2	8,848.3	8,821.2	24.0	18.6	-88.54	67.5	386.8	423.9	381.0	42.92	9.876	
9,000.0	8,921.2	8,948.3	8,921.2	24.1	18.7	-88.54	67.5	386.8	423.9	380.9	43.01	9.856	
9,100.0	9,021.2	9,048.3	9,021.2	24.1	18.7	-88.54	67.5	386.8	423.9	380.8	43.10	9.835	
9,200.0	9,121.2	9,148.3	9,121.2	24.1	18.8	-88.54	67.5	386.8	423.9	380.7	43.19	9.815	
9,300.0	9,221.2	9,248.3	9,221.2	24.2	18.8	-88.54	67.5	386.8	423.9	380.6	43.28	9.794	
9,400.0	9,321.2	9,348.3	9,321.2	24.2	18.9	-88.54	67.5	386.8	423.9	380.6	43.37	9.774	
9,500.0	9,421.2	9,448.3	9,421.2	24.3	19.0	-88.54	67.5	386.8	423.9	380.5	43.47	9.753	
9,600.0	9,521.2	9,548.3	9,521.2	24.3	19.0	-88.54	67.5	386.8	423.9	380.4	43.56	9.732	
9,700.0	9,621.2	9,648.3	9,621.2	24.3	19.1	-88.54	67.5	386.8	423.9	380.3	43.65	9.712	
9,800.0	9,721.2	9,748.3	9,721.2	24.4	19.1	-88.54	67.5	386.8	423.9	380.2	43.74	9.691	
9,900.0	9,821.2	9,848.3	9,821.2	24.4	19.2	-88.54	67.5	386.8	423.9	380.1	43.84	9.671	
10,000.0	9,921.2	9,948.3	9,921.2	24.5	19.2	-88.54	67.5	386.8	423.9	380.0	43.93	9.650	
10,100.0	10,021.2	10,048.3	10,021.2	24.5	19.3	-88.54	67.5	386.8	423.9	379.9	44.02	9.629	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.0	10,121.2	10,148.3	10,121.2	24.5	19.3	-88.54	67.5	386.8	423.9	379.8	44.12	9.609	
10,300.0	10,221.2	10,248.3	10,221.2	24.6	19.4	-88.54	67.5	386.8	423.9	379.7	44.21	9.588	
10,400.0	10,321.2	10,348.3	10,321.2	24.6	19.5	-88.54	67.5	386.8	423.9	379.6	44.31	9.568	
10,500.0	10,421.2	10,448.3	10,421.2	24.7	19.5	-88.54	67.5	386.8	423.9	379.5	44.40	9.547	
10,600.0	10,521.2	10,548.3	10,521.2	24.7	19.6	-88.54	67.5	386.8	423.9	379.4	44.50	9.527	
10,700.0	10,621.2	10,648.3	10,621.2	24.7	19.6	-88.54	67.5	386.8	423.9	379.3	44.60	9.506	
10,800.0	10,721.2	10,748.3	10,721.2	24.8	19.7	-88.54	67.5	386.8	423.9	379.2	44.69	9.485	
10,900.0	10,821.2	10,848.3	10,821.2	24.8	19.7	-88.54	67.5	386.8	423.9	379.1	44.79	9.465	
11,000.0	10,921.2	10,948.3	10,921.2	24.9	19.8	-88.54	67.5	386.8	423.9	379.0	44.89	9.444	
11,100.0	11,021.2	11,048.3	11,021.2	24.9	19.9	-88.54	67.5	386.8	423.9	378.9	44.98	9.424	
11,200.0	11,121.2	11,148.3	11,121.2	25.0	19.9	-88.54	67.5	386.8	423.9	378.8	45.08	9.403	
11,300.0	11,221.2	11,248.3	11,221.2	25.0	20.0	-88.54	67.5	386.8	423.9	378.7	45.18	9.383	
11,339.3	11,260.5	11,287.6	11,260.5	25.0	20.0	-88.54	67.5	386.8	423.9	378.7	45.21	9.377	
11,350.0	11,271.2	11,298.3	11,271.2	25.0	20.0	91.85	67.5	386.8	423.9	378.8	45.08	9.403	
11,375.0	11,296.2	11,323.2	11,296.2	25.0	20.0	92.00	67.5	386.8	424.0	378.9	45.09	9.403	
11,400.0	11,321.0	11,348.1	11,321.0	25.0	20.0	92.33	67.5	386.8	424.1	379.0	45.09	9.406	
11,425.0	11,345.7	11,372.8	11,345.7	25.0	20.1	92.82	67.5	386.8	424.2	379.2	45.07	9.413	
11,450.0	11,370.2	11,397.3	11,370.2	25.0	20.1	93.46	67.5	386.8	424.5	379.5	45.04	9.425	
11,475.0	11,394.4	11,421.5	11,394.4	25.0	20.1	94.23	67.5	386.8	425.0	380.0	45.00	9.445	
11,500.0	11,418.2	11,445.3	11,418.2	25.0	20.1	95.13	67.5	386.8	425.6	380.7	44.93	9.473	
11,525.0	11,441.6	11,469.3	11,442.2	25.0	20.1	96.16	67.4	386.8	426.6	381.8	44.76	9.529	
11,550.0	11,464.4	11,495.5	11,468.4	25.0	20.1	97.30	66.3	386.8	427.7	383.0	44.69	9.570	
11,575.0	11,486.7	11,522.4	11,495.2	25.0	20.1	98.43	63.7	386.8	429.0	384.4	44.63	9.614	
11,600.0	11,508.4	11,549.9	11,522.3	25.0	20.1	99.55	59.5	386.9	430.5	385.9	44.57	9.659	
11,625.0	11,529.5	11,578.0	11,549.8	25.0	20.1	100.66	53.6	386.9	432.2	387.6	44.53	9.705	
11,650.0	11,549.7	11,606.9	11,577.6	25.0	20.1	101.74	45.8	387.0	433.9	389.4	44.50	9.751	
11,675.0	11,569.2	11,636.5	11,605.6	25.1	20.1	102.81	36.1	387.0	435.8	391.3	44.50	9.794	
11,700.0	11,587.9	11,666.9	11,633.6	25.1	20.1	103.85	24.4	387.1	437.8	393.3	44.52	9.833	
11,725.0	11,605.6	11,698.1	11,661.6	25.1	20.1	104.86	10.6	387.2	439.9	395.3	44.58	9.867	
11,750.0	11,622.4	11,730.1	11,689.2	25.1	20.1	105.83	-5.5	387.3	442.0	397.3	44.67	9.894	
11,775.0	11,638.2	11,762.9	11,716.4	25.1	20.1	106.77	-23.9	387.4	444.1	399.3	44.80	9.913	
11,800.0	11,653.0	11,796.6	11,743.0	25.1	20.1	107.65	-44.7	387.6	446.2	401.2	44.97	9.922	
11,825.0	11,666.7	11,831.1	11,768.5	25.1	20.2	108.49	-67.8	387.7	448.2	403.0	45.17	9.922	
11,850.0	11,679.3	11,866.5	11,792.9	25.1	20.2	109.26	-93.4	387.9	450.1	404.7	45.41	9.912	
11,875.0	11,690.7	11,902.6	11,815.9	25.1	20.2	109.97	-121.3	388.1	451.9	406.2	45.68	9.892	
11,900.0	11,701.0	11,939.5	11,837.0	25.2	20.2	110.61	-151.5	388.2	453.6	407.6	45.98	9.864	
11,925.0	11,710.0	11,977.1	11,856.1	25.2	20.2	111.16	-183.9	388.5	455.0	408.7	46.29	9.829	
11,950.0	11,717.8	12,015.2	11,872.8	25.2	20.3	111.63	-218.2	388.7	456.3	409.6	46.61	9.789	
11,975.0	11,724.4	12,053.9	11,886.9	25.2	20.3	112.00	-254.2	388.9	457.3	410.3	46.92	9.745	
12,000.0	11,729.7	12,093.0	11,898.1	25.2	20.3	112.27	-291.6	389.2	458.0	410.8	47.22	9.699	
12,025.0	11,733.7	12,132.3	11,906.3	25.3	20.4	112.44	-330.1	389.4	458.5	411.0	47.49	9.653	
12,050.0	11,736.4	12,171.8	11,911.3	25.3	20.4	112.50	-369.3	389.7	458.6	410.9	47.73	9.608	
12,075.0	11,737.8	12,211.4	11,913.0	25.3	20.5	112.46	-408.7	389.9	458.5	410.6	47.93	9.566	
12,089.3	11,738.0	12,226.1	11,913.0	25.3	20.5	112.44	-423.5	390.0	458.4	410.5	47.96	9.558	
12,100.0	11,738.0	12,236.8	11,913.0	25.3	20.5	112.44	-434.2	390.1	458.4	410.4	47.99	9.553	
12,200.0	11,738.0	12,336.8	11,913.0	25.5	20.7	112.44	-534.2	390.7	458.4	410.2	48.26	9.498	
12,300.0	11,738.0	12,436.8	11,913.0	25.6	20.9	112.44	-634.2	391.4	458.4	409.8	48.59	9.435	
12,400.0	11,738.0	12,536.8	11,913.0	25.8	21.1	112.44	-734.2	392.0	458.4	409.5	48.95	9.364	
12,500.0	11,738.0	12,636.8	11,913.0	26.0	21.4	112.44	-834.2	392.7	458.4	409.1	49.37	9.286	
12,600.0	11,738.0	12,736.8	11,913.0	26.3	21.6	112.44	-934.2	393.3	458.4	408.6	49.82	9.201	
12,700.0	11,738.0	12,836.8	11,913.0	26.5	21.9	112.44	-1,034.2	394.0	458.4	408.1	50.32	9.111	
12,800.0	11,738.0	12,936.8	11,913.0	26.8	22.3	112.44	-1,134.2	394.6	458.4	407.6	50.86	9.014	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		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	
12,900.0	11,738.0	13,036.8	11,913.0	27.1	22.6	112.44	-1,234.2	395.3	458.4	407.0	51.43	8.913	
13,000.0	11,738.0	13,136.8	11,913.0	27.4	22.9	112.44	-1,334.2	395.9	458.4	406.4	52.05	8.808	
13,100.0	11,738.0	13,236.8	11,913.0	27.7	23.3	112.44	-1,434.2	396.6	458.4	405.7	52.70	8.699	
13,200.0	11,738.0	13,336.8	11,913.0	28.0	23.7	112.44	-1,534.2	397.2	458.4	405.0	53.38	8.587	
13,300.0	11,738.0	13,436.8	11,913.0	28.4	24.1	112.44	-1,634.2	397.9	458.4	404.3	54.10	8.473	
13,400.0	11,738.0	13,536.8	11,913.0	28.7	24.6	112.44	-1,734.2	398.6	458.4	403.6	54.86	8.357	
13,500.0	11,738.0	13,636.8	11,913.0	29.1	25.0	112.44	-1,834.2	399.2	458.4	402.8	55.64	8.239	
13,600.0	11,738.0	13,736.8	11,913.0	29.5	25.5	112.44	-1,934.2	399.9	458.4	402.0	56.46	8.120	
13,700.0	11,738.0	13,836.8	11,913.0	29.9	25.9	112.44	-2,034.2	400.5	458.4	401.1	57.30	8.001	
13,800.0	11,738.0	13,936.8	11,913.0	30.3	26.4	112.44	-2,134.2	401.2	458.4	400.3	58.17	7.881	
13,900.0	11,738.0	14,036.8	11,913.0	30.8	26.9	112.44	-2,234.2	401.8	458.4	399.4	59.07	7.761	
14,000.0	11,738.0	14,136.8	11,913.0	31.2	27.4	112.44	-2,334.2	402.5	458.4	398.4	59.99	7.642	
14,100.0	11,738.0	14,236.8	11,913.0	31.7	28.0	112.44	-2,434.2	403.1	458.4	397.5	60.93	7.523	
14,200.0	11,738.0	14,336.8	11,913.0	32.2	28.5	112.44	-2,534.2	403.8	458.4	396.5	61.90	7.406	
14,300.0	11,738.0	14,436.8	11,913.0	32.7	29.0	112.44	-2,634.1	404.4	458.4	395.5	62.89	7.289	
14,400.0	11,738.0	14,536.8	11,913.0	33.1	29.6	112.44	-2,734.1	405.1	458.4	394.5	63.90	7.174	
14,500.0	11,738.0	14,636.8	11,913.0	33.7	30.2	112.44	-2,834.1	405.7	458.4	393.5	64.93	7.060	
14,600.0	11,738.0	14,736.8	11,913.0	34.2	30.7	112.44	-2,934.1	406.4	458.4	392.4	65.98	6.948	
14,700.0	11,738.0	14,836.8	11,913.0	34.7	31.3	112.44	-3,034.1	407.0	458.4	391.4	67.05	6.837	
14,800.0	11,738.0	14,936.8	11,913.0	35.2	31.9	112.44	-3,134.1	407.7	458.4	390.3	68.13	6.729	
14,900.0	11,738.0	15,036.8	11,913.0	35.8	32.5	112.44	-3,234.1	408.3	458.4	389.2	69.23	6.622	
15,000.0	11,738.0	15,136.8	11,913.0	36.3	33.1	112.44	-3,334.1	409.0	458.4	388.1	70.35	6.517	
15,100.0	11,738.0	15,236.8	11,913.0	36.9	33.7	112.44	-3,434.1	409.6	458.4	386.9	71.48	6.414	
15,200.0	11,738.0	15,336.8	11,913.0	37.4	34.3	112.44	-3,534.1	410.3	458.4	385.8	72.62	6.312	
15,300.0	11,738.0	15,436.8	11,913.0	38.0	34.9	112.44	-3,634.1	410.9	458.4	384.6	73.78	6.213	
15,400.0	11,738.0	15,536.8	11,913.0	38.6	35.6	112.44	-3,734.1	411.6	458.4	383.5	74.95	6.116	
15,500.0	11,738.0	15,636.8	11,913.0	39.1	36.2	112.44	-3,834.1	412.2	458.4	382.3	76.13	6.021	
15,600.0	11,738.0	15,736.8	11,913.0	39.7	36.8	112.44	-3,934.1	412.9	458.4	381.1	77.33	5.928	
15,700.0	11,738.0	15,836.8	11,913.0	40.3	37.5	112.44	-4,034.1	413.5	458.4	379.9	78.53	5.837	
15,800.0	11,738.0	15,936.8	11,913.0	40.9	38.1	112.44	-4,134.1	414.2	458.4	378.7	79.75	5.748	
15,900.0	11,738.0	16,036.8	11,913.0	41.5	38.8	112.44	-4,234.1	414.8	458.4	377.5	80.98	5.661	
16,000.0	11,738.0	16,136.8	11,913.0	42.1	39.4	112.44	-4,334.1	415.5	458.4	376.2	82.21	5.576	
16,100.0	11,738.0	16,236.8	11,913.0	42.8	40.1	112.44	-4,434.1	416.1	458.4	375.0	83.46	5.493	
16,200.0	11,738.0	16,336.8	11,913.0	43.4	40.7	112.44	-4,534.1	416.8	458.4	373.7	84.71	5.412	
16,300.0	11,738.0	16,436.8	11,913.0	44.0	41.4	112.44	-4,634.1	417.4	458.4	372.5	85.97	5.332	
16,400.0	11,738.0	16,536.8	11,913.0	44.6	42.1	112.44	-4,734.1	418.1	458.4	371.2	87.24	5.255	
16,500.0	11,738.0	16,636.8	11,913.0	45.3	42.7	112.44	-4,834.1	418.7	458.4	369.9	88.52	5.179	
16,600.0	11,738.0	16,736.8	11,913.0	45.9	43.4	112.44	-4,934.1	419.4	458.4	368.6	89.81	5.105	
16,700.0	11,738.0	16,836.8	11,913.0	46.5	44.1	112.44	-5,034.1	420.0	458.4	367.3	91.10	5.032	
16,800.0	11,738.0	16,936.8	11,913.0	47.2	44.8	112.44	-5,134.1	420.7	458.4	366.0	92.40	4.961	
16,900.0	11,738.0	17,036.8	11,913.0	47.8	45.5	112.44	-5,234.1	421.3	458.4	364.7	93.70	4.892	
17,000.0	11,738.0	17,136.8	11,913.0	48.5	46.1	112.44	-5,334.1	422.0	458.4	363.4	95.01	4.825	
17,100.0	11,738.0	17,236.8	11,913.0	49.1	46.8	112.44	-5,434.1	422.6	458.4	362.1	96.33	4.759	
17,200.0	11,738.0	17,336.8	11,913.0	49.8	47.5	112.44	-5,534.1	423.3	458.4	360.8	97.66	4.694	
17,300.0	11,738.0	17,436.8	11,913.0	50.5	48.2	112.44	-5,634.1	423.9	458.4	359.4	98.98	4.631	
17,400.0	11,738.0	17,536.8	11,913.0	51.1	48.9	112.44	-5,734.1	424.6	458.4	358.1	100.32	4.570	
17,500.0	11,738.0	17,636.8	11,913.0	51.8	49.6	112.44	-5,834.1	425.2	458.4	356.8	101.66	4.510	
17,600.0	11,738.0	17,736.8	11,913.0	52.4	50.3	112.44	-5,934.1	425.9	458.4	355.4	103.00	4.451	
17,700.0	11,738.0	17,836.8	11,913.0	53.1	51.0	112.44	-6,034.1	426.5	458.4	354.1	104.35	4.393	
17,800.0	11,738.0	17,936.8	11,913.0	53.8	51.7	112.44	-6,134.1	427.2	458.4	352.7	105.70	4.337	
17,900.0	11,738.0	18,036.8	11,913.0	54.5	52.4	112.44	-6,234.1	427.8	458.4	351.4	107.06	4.282	
18,000.0	11,738.0	18,136.8	11,913.0	55.1	53.1	112.44	-6,334.1	428.5	458.4	350.0	108.42	4.228	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		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	11,738.0	18,236.8	11,913.0	55.8	53.8	112.44	-6,434.1	429.1	458.4	348.6	109.79	4.176	
18,200.0	11,738.0	18,336.8	11,913.0	56.5	54.5	112.44	-6,534.1	429.8	458.4	347.3	111.16	4.124	
18,300.0	11,738.0	18,436.8	11,913.0	57.2	55.2	112.44	-6,634.1	430.4	458.4	345.9	112.53	4.074	
18,400.0	11,738.0	18,536.8	11,913.0	57.9	56.0	112.44	-6,734.1	431.1	458.4	344.5	113.91	4.025	
18,500.0	11,738.0	18,636.8	11,913.0	58.6	56.7	112.44	-6,834.1	431.8	458.4	343.1	115.29	3.976	
18,600.0	11,738.0	18,736.8	11,913.0	59.3	57.4	112.44	-6,934.1	432.4	458.4	341.8	116.67	3.929	
18,700.0	11,738.0	18,836.8	11,913.0	59.9	58.1	112.44	-7,034.1	433.1	458.4	340.4	118.06	3.883	
18,800.0	11,738.0	18,936.8	11,913.0	60.6	58.8	112.44	-7,134.1	433.7	458.4	339.0	119.45	3.838	
18,900.0	11,738.0	19,036.8	11,913.0	61.3	59.5	112.44	-7,234.1	434.4	458.4	337.6	120.84	3.794	
19,000.0	11,738.0	19,136.8	11,913.0	62.0	60.3	112.44	-7,334.0	435.0	458.4	336.2	122.24	3.750	
19,100.0	11,738.0	19,236.8	11,913.0	62.7	61.0	112.44	-7,434.0	435.7	458.4	334.8	123.63	3.708	
19,200.0	11,738.0	19,336.8	11,913.0	63.4	61.7	112.44	-7,534.0	436.3	458.4	333.4	125.04	3.666	
19,300.0	11,738.0	19,436.8	11,913.0	64.1	62.4	112.44	-7,634.0	437.0	458.4	332.0	126.44	3.626	
19,400.0	11,738.0	19,536.8	11,913.0	64.8	63.1	112.44	-7,734.0	437.6	458.4	330.6	127.85	3.586	
19,500.0	11,738.0	19,636.8	11,913.0	65.5	63.9	112.44	-7,834.0	438.3	458.4	329.2	129.25	3.547	
19,600.0	11,738.0	19,736.8	11,913.0	66.2	64.6	112.44	-7,934.0	438.9	458.4	327.8	130.67	3.508	
19,700.0	11,738.0	19,836.8	11,913.0	67.0	65.3	112.44	-8,034.0	439.6	458.4	326.3	132.08	3.471	
19,800.0	11,738.0	19,936.8	11,913.0	67.7	66.0	112.44	-8,134.0	440.2	458.4	324.9	133.49	3.434	
19,900.0	11,738.0	20,036.8	11,913.0	68.4	66.8	112.44	-8,234.0	440.9	458.4	323.5	134.91	3.398	
20,000.0	11,738.0	20,136.8	11,913.0	69.1	67.5	112.44	-8,334.0	441.5	458.4	322.1	136.33	3.363	
20,100.0	11,738.0	20,236.8	11,913.0	69.8	68.2	112.44	-8,434.0	442.2	458.4	320.7	137.75	3.328	
20,200.0	11,738.0	20,336.8	11,913.0	70.5	69.0	112.44	-8,534.0	442.8	458.4	319.2	139.18	3.294	
20,300.0	11,738.0	20,436.8	11,913.0	71.2	69.7	112.44	-8,634.0	443.5	458.4	317.8	140.60	3.260	
20,400.0	11,738.0	20,536.8	11,913.0	71.9	70.4	112.44	-8,734.0	444.1	458.4	316.4	142.03	3.228	
20,500.0	11,738.0	20,636.8	11,913.0	72.6	71.2	112.44	-8,834.0	444.8	458.4	315.0	143.46	3.196	
20,600.0	11,738.0	20,736.8	11,913.0	73.4	71.9	112.44	-8,934.0	445.4	458.4	313.5	144.89	3.164	
20,700.0	11,738.0	20,836.8	11,913.0	74.1	72.6	112.44	-9,034.0	446.1	458.4	312.1	146.32	3.133	
20,800.0	11,738.0	20,936.8	11,913.0	74.8	73.4	112.44	-9,134.0	446.7	458.4	310.7	147.76	3.103	
20,900.0	11,738.0	21,036.8	11,913.0	75.5	74.1	112.44	-9,234.0	447.4	458.4	309.2	149.19	3.073	
21,000.0	11,738.0	21,136.8	11,913.0	76.2	74.8	112.44	-9,334.0	448.0	458.4	307.8	150.63	3.043	
21,100.0	11,738.0	21,236.8	11,913.0	77.0	75.6	112.44	-9,434.0	448.7	458.4	306.4	152.07	3.015	
21,200.0	11,738.0	21,336.8	11,913.0	77.7	76.3	112.44	-9,534.0	449.3	458.4	304.9	153.51	2.986	
21,300.0	11,738.0	21,436.8	11,913.0	78.4	77.0	112.44	-9,634.0	450.0	458.4	303.5	154.95	2.959	
21,400.0	11,738.0	21,536.8	11,913.0	79.1	77.8	112.44	-9,734.0	450.6	458.4	302.0	156.39	2.931	
21,500.0	11,738.0	21,636.8	11,913.0	79.8	78.5	112.44	-9,834.0	451.3	458.4	300.6	157.84	2.904	
21,600.0	11,738.0	21,736.8	11,913.0	80.6	79.2	112.44	-9,934.0	451.9	458.4	299.1	159.28	2.878	
21,642.9	11,738.0	21,779.7	11,913.0	80.9	79.6	112.44	-9,976.9	452.2	458.4	298.5	159.90	2.867	
21,691.2	11,738.0	21,828.0	11,913.0	81.2	79.9	112.44	-10,025.2	452.5	458.4	297.8	160.60	2.855	
21,692.9	11,738.0	21,829.6	11,913.0	81.2	79.9	112.44	-10,026.8	452.5	458.4	297.8	160.62	2.854	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11575-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	123.68	-16.8	25.1	30.2	23.2	6.98	4.329	
100.0	100.0	101.0	101.0	3.1	3.1	123.68	-16.8	25.1	30.2	23.0	7.23	4.182	
200.0	200.0	201.0	201.0	3.2	3.3	123.68	-16.8	25.1	30.2	22.8	7.46	4.049	
300.0	300.0	301.0	301.0	3.4	3.4	123.68	-16.8	25.1	30.2	22.5	7.70	3.927	
400.0	400.0	401.0	401.0	3.5	3.5	123.68	-16.8	25.1	30.2	22.3	7.92	3.815	
500.0	500.0	501.0	501.0	3.6	3.6	123.68	-16.8	25.1	30.2	22.1	8.14	3.711	
600.0	600.0	601.0	601.0	3.7	3.7	123.68	-16.8	25.1	30.2	21.9	8.36	3.616	
700.0	700.0	701.0	701.0	3.9	3.9	123.68	-16.8	25.1	30.2	21.7	8.57	3.526	
800.0	800.0	801.0	801.0	4.0	4.0	123.68	-16.8	25.1	30.2	21.4	8.78	3.443	
900.0	900.0	901.0	901.0	4.1	4.1	123.68	-16.8	25.1	30.2	21.2	8.98	3.364	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.68	-16.8	25.1	30.2	21.0	9.18	3.290	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.68	-16.8	25.1	30.2	20.8	9.38	3.221	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.68	-16.8	25.1	30.2	20.6	9.58	3.155	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.68	-16.8	25.1	30.2	20.5	9.77	3.093	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.68	-16.8	25.1	30.2	20.3	9.96	3.034	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.68	-16.8	25.1	30.2	20.1	10.09	2.997 CC	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.68	-16.8	25.2	30.2	20.2	10.02	3.016	
1,504.2	1,504.2	1,505.2	1,505.2	4.8	4.8	37.68	-16.8	25.2	30.2	20.4	9.83	3.075	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	37.75	-16.7	26.9	30.3	20.2	10.12	2.993	
1,700.0	1,699.8	1,699.3	1,699.1	5.1	5.1	38.03	-16.5	32.1	30.4	19.8	10.56	2.876	
1,800.0	1,799.5	1,798.4	1,797.9	5.3	5.3	38.53	-16.2	40.7	30.5	19.5	11.02	2.771	
1,900.0	1,898.7	1,897.6	1,896.3	5.6	5.6	39.22	-15.8	52.7	30.7	19.2	11.49	2.676	
2,000.0	1,997.5	1,996.7	1,994.3	5.9	5.9	40.11	-15.3	68.1	31.0	19.0	11.97	2.590	
2,100.0	2,095.6	2,095.9	2,091.6	6.3	6.2	41.19	-14.6	86.9	31.3	18.9	12.46	2.514 ES, SF	
2,200.0	2,193.4	2,195.0	2,188.2	6.5	6.6	40.42	-13.8	109.0	33.0	20.1	12.97	2.547	
2,300.0	2,291.3	2,294.9	2,285.2	6.9	6.9	37.88	-13.0	133.1	36.3	22.7	13.55	2.674	
2,400.0	2,389.1	2,394.9	2,382.1	7.2	7.2	35.75	-12.1	157.3	39.5	25.4	14.18	2.788	
2,500.0	2,486.9	2,494.8	2,479.1	7.5	7.6	33.95	-11.3	181.5	42.9	28.0	14.85	2.887	
2,600.0	2,584.7	2,594.7	2,576.1	7.9	8.0	32.42	-10.5	205.6	46.2	30.7	15.55	2.975	
2,700.0	2,682.5	2,694.7	2,673.0	8.2	8.3	31.09	-9.6	229.8	49.6	33.4	16.27	3.051	
2,800.0	2,780.3	2,794.6	2,770.0	8.6	8.7	29.93	-8.8	254.0	53.1	36.1	17.02	3.118	
2,900.0	2,878.1	2,894.5	2,867.0	9.0	9.1	28.91	-7.9	278.1	56.5	38.7	17.79	3.177	
3,000.0	2,976.0	2,994.5	2,963.9	9.4	9.5	28.01	-7.1	302.3	60.0	41.4	18.58	3.228	
3,100.0	3,073.8	3,094.4	3,060.9	9.8	9.9	27.21	-6.2	326.4	63.4	44.1	19.38	3.274	
3,200.0	3,171.6	3,194.3	3,157.9	10.2	10.3	26.50	-5.4	350.6	66.9	46.7	20.20	3.314	
3,300.0	3,269.4	3,294.3	3,254.8	10.6	10.8	25.85	-4.6	374.8	70.4	49.4	21.03	3.349	
3,400.0	3,367.2	3,394.2	3,351.8	11.0	11.2	25.26	-3.7	398.9	73.9	52.0	21.87	3.381	
3,500.0	3,465.0	3,494.1	3,448.8	11.5	11.6	24.73	-2.9	423.1	77.4	54.7	22.71	3.408	
3,600.0	3,562.8	3,594.1	3,545.7	11.9	12.1	24.24	-2.0	447.2	80.9	57.4	23.57	3.433	
3,700.0	3,660.7	3,694.0	3,642.7	12.3	12.5	23.80	-1.2	471.4	84.5	60.0	24.44	3.456	
3,800.0	3,758.5	3,794.0	3,739.7	12.8	13.0	23.39	-0.3	495.6	88.0	62.7	25.31	3.476	
3,900.0	3,856.3	3,893.9	3,836.6	13.2	13.4	23.01	0.5	519.7	91.5	65.3	26.19	3.494	
4,000.0	3,954.1	3,993.8	3,933.6	13.6	13.9	22.66	1.4	543.9	95.0	68.0	27.07	3.510	
4,100.0	4,051.9	4,093.8	4,030.6	14.1	14.3	22.33	2.2	568.1	98.6	70.6	27.96	3.525	
4,200.0	4,149.7	4,193.7	4,127.5	14.5	14.8	22.03	3.0	592.2	102.1	73.3	28.85	3.539	
4,300.0	4,247.5	4,293.6	4,224.5	15.0	15.2	21.75	3.9	616.4	105.6	75.9	29.75	3.551	
4,400.0	4,345.4	4,393.6	4,321.5	15.4	15.7	21.48	4.7	640.5	109.2	78.5	30.65	3.562	
4,500.0	4,443.2	4,493.5	4,418.4	15.9	16.2	21.24	5.6	664.7	112.7	81.2	31.55	3.573	
4,600.0	4,541.0	4,593.4	4,515.4	16.3	16.6	21.00	6.4	688.9	116.3	83.8	32.46	3.582	
4,700.0	4,638.8	4,693.4	4,612.4	16.8	17.1	20.78	7.3	713.0	119.8	86.5	33.37	3.591	
4,800.0	4,736.6	4,793.3	4,709.3	17.2	17.6	20.58	8.1	737.2	123.4	89.1	34.28	3.599	
4,900.0	4,834.4	4,893.3	4,806.3	17.7	18.0	20.38	8.9	761.4	126.9	91.7	35.20	3.606	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:		ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0											Offset Site Error:		0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11575-r.5 MWD+IFR1+MS							Rule Assigned:				Offset Well Error:		3.0 usft
Measured Depth	Vertical Reference	Measured Depth	Vertical Offset	Reference	Semi Major Axis Offset	Highside Toolface	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor	Warning		
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)				
5,000.0	4,932.3	4,993.2	4,903.3	18.1	18.5	20.20	9.8	785.5	130.5	94.4	36.11	3.613			
5,100.0	5,030.1	5,093.1	5,000.2	18.6	19.0	20.03	10.6	809.7	134.0	97.0	37.03	3.619			
5,105.0	5,035.0	5,098.2	5,005.1	18.6	19.0	20.02	10.7	810.9	134.2	97.1	37.08	3.619			
5,200.0	5,128.0	5,193.0	5,097.2	19.0	19.4	19.76	11.5	833.8	138.3	100.4	37.96	3.644			
5,300.0	5,226.3	5,292.8	5,194.0	19.5	19.9	19.29	12.3	858.0	144.3	105.3	38.92	3.707			
5,400.0	5,325.0	5,392.5	5,290.8	19.9	20.4	18.65	13.2	882.1	151.9	112.0	39.89	3.807			
5,500.0	5,423.8	5,492.1	5,387.3	20.4	20.9	17.89	14.0	906.1	161.1	120.3	40.88	3.942			
5,600.0	5,523.0	5,591.4	5,483.8	20.8	21.3	17.04	14.8	930.2	172.1	130.2	41.86	4.111			
5,700.0	5,622.3	5,690.6	5,580.0	21.2	21.8	16.15	15.7	954.1	184.8	141.9	42.84	4.313			
5,800.0	5,721.9	5,789.5	5,675.9	21.6	22.3	15.25	16.5	978.0	199.1	155.3	43.80	4.546			
5,900.0	5,821.5	5,888.2	5,771.7	22.0	22.8	14.35	17.3	1,001.9	215.2	170.5	44.74	4.810			
6,000.0	5,921.3	5,986.5	5,867.1	22.3	23.2	13.49	18.2	1,025.7	233.0	187.4	45.66	5.104			
6,100.0	6,021.2	6,084.5	5,962.2	22.6	23.7	12.67	19.0	1,049.4	252.5	206.0	46.54	5.426			
6,200.0	6,121.2	6,183.8	6,058.6	22.9	24.2	11.89	19.8	1,073.3	273.7	226.3	47.38	5.776			
6,300.0	6,221.2	6,286.4	6,158.5	23.1	24.6	11.18	20.7	1,096.6	295.2	247.1	48.12	6.134			
6,305.0	6,226.2	6,291.6	6,163.6	23.1	24.7	97.15	20.7	1,097.7	296.3	248.1	48.16	6.152			
6,400.0	6,321.2	6,389.7	6,259.4	23.1	25.1	96.54	21.4	1,118.2	315.9	267.2	48.72	6.484			
6,500.0	6,421.2	6,493.7	6,361.5	23.2	25.6	96.03	22.1	1,138.1	334.9	285.6	49.28	6.795			
6,600.0	6,521.2	6,598.4	6,464.6	23.2	26.1	95.61	22.7	1,156.4	352.2	302.3	49.82	7.068			
6,700.0	6,621.2	6,703.7	6,568.6	23.2	26.5	95.26	23.3	1,172.8	367.6	317.3	50.33	7.304			
6,800.0	6,721.2	6,809.6	6,673.5	23.3	27.0	94.98	23.8	1,187.4	381.3	330.5	50.81	7.504			
6,900.0	6,821.2	6,916.0	6,779.2	23.3	27.4	94.76	24.3	1,200.0	393.1	341.9	51.26	7.670			
7,000.0	6,921.2	7,022.9	6,885.5	23.3	27.9	94.58	24.6	1,210.8	403.2	351.5	51.67	7.802			
7,100.0	7,021.2	7,130.1	6,992.4	23.4	28.3	94.44	25.0	1,219.6	411.3	359.3	52.05	7.902			
7,200.0	7,121.2	7,237.7	7,099.7	23.4	28.6	94.33	25.2	1,226.5	417.6	365.2	52.39	7.971			
7,300.0	7,221.2	7,345.4	7,207.4	23.4	29.0	94.26	25.4	1,231.3	422.1	369.4	52.68	8.012			
7,400.0	7,321.2	7,453.3	7,315.2	23.5	29.3	94.22	25.5	1,234.1	424.7	371.8	52.91	8.026			
7,500.0	7,421.2	7,560.3	7,422.2	23.5	29.5	94.21	25.5	1,234.9	425.4	372.4	53.00	8.026			
7,600.0	7,521.2	7,660.3	7,522.2	23.5	29.5	94.21	25.5	1,234.9	425.4	372.3	53.05	8.018			
7,700.0	7,621.2	7,760.3	7,622.2	23.6	29.5	94.21	25.5	1,234.9	425.4	372.3	53.11	8.010			
7,800.0	7,721.2	7,860.3	7,722.2	23.6	29.6	94.21	25.5	1,234.9	425.4	372.2	53.17	8.001			
7,900.0	7,821.2	7,960.3	7,822.2	23.6	29.6	94.21	25.5	1,234.9	425.4	372.2	53.23	7.991			
8,000.0	7,921.2	8,060.3	7,922.2	23.7	29.6	94.21	25.5	1,234.9	425.4	372.1	53.29	7.982			
8,100.0	8,021.2	8,160.3	8,022.2	23.7	29.6	94.21	25.5	1,234.9	425.4	372.0	53.35	7.973			
8,200.0	8,121.2	8,260.3	8,122.2	23.8	29.7	94.21	25.5	1,234.9	425.4	372.0	53.41	7.964			
8,300.0	8,221.2	8,360.3	8,222.2	23.8	29.7	94.21	25.5	1,234.9	425.4	371.9	53.48	7.955			
8,400.0	8,321.2	8,460.3	8,322.2	23.8	29.7	94.21	25.5	1,234.9	425.4	371.9	53.54	7.946			
8,500.0	8,421.2	8,560.3	8,422.2	23.9	29.7	94.21	25.5	1,234.9	425.4	371.8	53.60	7.936			
8,600.0	8,521.2	8,660.3	8,522.2	23.9	29.8	94.21	25.5	1,234.9	425.4	371.7	53.66	7.927			
8,700.0	8,621.2	8,760.3	8,622.2	23.9	29.8	94.21	25.5	1,234.9	425.4	371.7	53.73	7.918			
8,800.0	8,721.2	8,860.3	8,722.2	24.0	29.8	94.21	25.5	1,234.9	425.4	371.6	53.79	7.908			
8,900.0	8,821.2	8,960.3	8,822.2	24.0	29.9	94.21	25.5	1,234.9	425.4	371.5	53.86	7.899			
9,000.0	8,921.2	9,060.3	8,922.2	24.1	29.9	94.21	25.5	1,234.9	425.4	371.5	53.92	7.889			
9,100.0	9,021.2	9,160.3	9,022.2	24.1	29.9	94.21	25.5	1,234.9	425.4	371.4	53.99	7.880			
9,200.0	9,121.2	9,260.3	9,122.2	24.1	29.9	94.21	25.5	1,234.9	425.4	371.3	54.05	7.870			
9,300.0	9,221.2	9,360.3	9,222.2	24.2	30.0	94.21	25.5	1,234.9	425.4	371.3	54.12	7.860			
9,400.0	9,321.2	9,460.3	9,322.2	24.2	30.0	94.21	25.5	1,234.9	425.4	371.2	54.18	7.851			
9,500.0	9,421.2	9,560.3	9,422.2	24.3	30.0	94.21	25.5	1,234.9	425.4	371.1	54.25	7.841			
9,600.0	9,521.2	9,660.3	9,522.2	24.3	30.1	94.21	25.5	1,234.9	425.4	371.1	54.32	7.831			
9,700.0	9,621.2	9,760.3	9,622.2	24.3	30.1	94.21	25.5	1,234.9	425.4	371.0	54.39	7.822			
9,800.0	9,721.2	9,860.3	9,722.2	24.4	30.1	94.21	25.5	1,234.9	425.4	370.9	54.45	7.812			
9,900.0	9,821.2	9,960.3	9,822.2	24.4	30.1	94.21	25.5	1,234.9	425.4	370.9	54.52	7.802			

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11575-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,000.0	9,921.2	10,060.3	9,922.2	24.5	30.2	94.21	25.5	1,234.9	425.4	370.8	54.59	7.792	
10,100.0	10,021.2	10,160.3	10,022.2	24.5	30.2	94.21	25.5	1,234.9	425.4	370.7	54.66	7.782	
10,200.0	10,121.2	10,260.3	10,122.2	24.5	30.2	94.21	25.5	1,234.9	425.4	370.7	54.73	7.773	
10,300.0	10,221.2	10,360.3	10,222.2	24.6	30.3	94.21	25.5	1,234.9	425.4	370.6	54.80	7.763	
10,400.0	10,321.2	10,460.3	10,322.2	24.6	30.3	94.21	25.5	1,234.9	425.4	370.5	54.87	7.753	
10,500.0	10,421.2	10,560.3	10,422.2	24.7	30.3	94.21	25.5	1,234.9	425.4	370.5	54.94	7.743	
10,600.0	10,521.2	10,660.3	10,522.2	24.7	30.4	94.21	25.5	1,234.9	425.4	370.4	55.01	7.733	
10,700.0	10,621.2	10,760.3	10,622.2	24.7	30.4	94.21	25.5	1,234.9	425.4	370.3	55.08	7.723	
10,800.0	10,721.2	10,860.3	10,722.2	24.8	30.4	94.21	25.5	1,234.9	425.4	370.2	55.16	7.713	
10,900.0	10,821.2	10,960.3	10,822.2	24.8	30.5	94.21	25.5	1,234.9	425.4	370.2	55.23	7.702	
11,000.0	10,921.2	11,060.3	10,922.2	24.9	30.5	94.21	25.5	1,234.9	425.4	370.1	55.30	7.692	
11,100.0	11,021.2	11,160.3	11,022.2	24.9	30.5	94.21	25.5	1,234.9	425.4	370.0	55.37	7.682	
11,200.0	11,121.2	11,260.3	11,122.2	25.0	30.6	94.21	25.5	1,234.9	425.4	369.9	55.45	7.672	
11,300.0	11,221.2	11,360.3	11,222.2	25.0	30.6	94.21	25.5	1,234.9	425.4	369.9	55.52	7.662	
11,339.3	11,260.5	11,399.6	11,261.5	25.0	30.6	94.21	25.5	1,234.9	425.4	369.9	55.54	7.659	
11,350.0	11,271.2	11,410.3	11,272.2	25.0	30.6	-85.44	25.5	1,234.9	425.4	370.0	55.42	7.676	
11,375.0	11,296.2	11,435.3	11,297.2	25.0	30.6	-85.61	25.5	1,234.9	425.3	369.9	55.44	7.671	
11,400.0	11,321.0	11,460.2	11,322.0	25.0	30.6	-85.97	25.5	1,234.9	425.1	369.6	55.48	7.663	
11,425.0	11,345.7	11,484.9	11,346.7	25.0	30.6	-86.51	25.5	1,234.9	424.9	369.3	55.52	7.652	
11,450.0	11,370.2	11,509.3	11,371.2	25.0	30.6	-87.22	25.5	1,234.9	424.6	369.0	55.58	7.639	
11,475.0	11,394.4	11,533.5	11,395.4	25.0	30.6	-88.08	25.5	1,234.9	424.3	368.7	55.63	7.627	
11,500.0	11,418.2	11,557.3	11,419.2	25.0	30.6	-89.08	25.5	1,234.9	424.1	368.4	55.69	7.615	
11,520.5	11,437.4	11,576.5	11,438.4	25.0	30.6	-90.00	25.5	1,234.9	424.0	368.4	55.65	7.620	
11,525.0	11,441.6	11,580.7	11,442.6	25.0	30.6	-90.21	25.4	1,234.9	424.0	368.4	55.65	7.619	
11,550.0	11,464.4	11,604.2	11,466.1	25.0	30.7	-91.36	24.6	1,234.9	424.2	368.5	55.68	7.619	
11,575.0	11,486.7	11,628.2	11,490.0	25.0	30.7	-92.53	22.5	1,234.9	424.5	368.9	55.67	7.626	
11,600.0	11,508.4	11,652.7	11,514.2	25.0	30.7	-93.69	19.1	1,234.9	425.1	369.4	55.63	7.641	
11,625.0	11,529.5	11,677.7	11,538.8	25.0	30.7	-94.85	14.4	1,234.9	425.8	370.3	55.55	7.665	
11,650.0	11,549.7	11,703.2	11,563.5	25.0	30.7	-96.01	8.3	1,235.0	426.8	371.3	55.45	7.697	
11,675.0	11,569.2	11,729.3	11,588.5	25.1	30.7	-97.17	0.7	1,235.0	427.9	372.6	55.32	7.736	
11,700.0	11,587.9	11,756.0	11,613.6	25.1	30.7	-98.32	-8.5	1,235.1	429.2	374.1	55.16	7.782	
11,725.0	11,605.6	11,783.4	11,638.7	25.1	30.7	-99.45	-19.4	1,235.2	430.7	375.8	54.98	7.835	
11,750.0	11,622.4	11,811.4	11,663.7	25.1	30.7	-100.57	-32.0	1,235.2	432.4	377.6	54.78	7.894	
11,775.0	11,638.2	11,840.2	11,688.6	25.1	30.7	-101.68	-46.5	1,235.3	434.2	379.7	54.57	7.957	
11,800.0	11,653.0	11,869.7	11,713.2	25.1	30.7	-102.76	-62.8	1,235.4	436.2	381.8	54.35	8.025	
11,825.0	11,666.7	11,900.0	11,737.3	25.1	30.7	-103.82	-81.1	1,235.6	438.2	384.1	54.13	8.095	
11,850.0	11,679.3	11,931.1	11,760.8	25.1	30.7	-104.86	-101.5	1,235.7	440.3	386.4	53.92	8.166	
11,875.0	11,690.7	11,963.1	11,783.5	25.1	30.7	-105.85	-124.0	1,235.8	442.5	388.8	53.71	8.238	
11,900.0	11,701.0	11,995.9	11,805.2	25.2	30.7	-106.81	-148.6	1,236.0	444.6	391.1	53.52	8.307	
11,925.0	11,710.0	12,029.6	11,825.7	25.2	30.7	-107.72	-175.4	1,236.2	446.8	393.4	53.35	8.375	
11,950.0	11,717.8	12,064.2	11,844.7	25.2	30.7	-108.58	-204.2	1,236.4	448.9	395.7	53.20	8.438	
11,975.0	11,724.4	12,099.6	11,861.9	25.2	30.7	-109.38	-235.2	1,236.6	450.9	397.8	53.07	8.497	
12,000.0	11,729.7	12,135.9	11,877.2	25.2	30.8	-110.12	-268.1	1,236.8	452.8	399.8	52.96	8.550	
12,025.0	11,733.7	12,172.9	11,890.1	25.3	30.8	-110.78	-302.7	1,237.0	454.5	401.6	52.87	8.597	
12,050.0	11,736.4	12,210.6	11,900.4	25.3	30.8	-111.35	-339.0	1,237.2	456.0	403.2	52.80	8.637	
12,075.0	11,737.8	12,249.0	11,908.0	25.3	30.8	-111.84	-376.6	1,237.5	457.4	404.6	52.75	8.670	
12,089.3	11,738.0	12,271.3	11,911.0	25.3	30.9	-112.08	-398.7	1,237.6	458.0	405.3	52.73	8.687	
12,100.0	11,738.0	12,288.0	11,912.6	25.3	30.9	-112.26	-415.3	1,237.7	458.4	405.7	52.71	8.696	
12,200.0	11,738.0	12,401.4	11,914.0	25.5	31.0	-112.43	-528.7	1,238.5	458.7	405.8	52.89	8.673	
12,300.0	11,738.0	12,501.4	11,914.0	25.6	31.1	-112.43	-628.7	1,239.1	458.7	405.5	53.18	8.626	
12,400.0	11,738.0	12,601.4	11,914.0	25.8	31.3	-112.43	-728.7	1,239.8	458.7	405.2	53.51	8.574	
12,500.0	11,738.0	12,701.4	11,914.0	26.0	31.4	-112.43	-828.7	1,240.4	458.7	404.9	53.87	8.515	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11575-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,600.0	11,738.0	12,801.4	11,914.0	26.3	31.6	-112.43	-928.7	1,241.1	458.7	404.4	54.28	8.451	
12,700.0	11,738.0	12,901.4	11,914.0	26.5	31.8	-112.43	-1,028.7	1,241.7	458.7	404.0	54.72	8.382	
12,800.0	11,738.0	13,001.4	11,914.0	26.8	32.1	-112.43	-1,128.7	1,242.4	458.7	403.5	55.21	8.309	
12,900.0	11,738.0	13,101.4	11,914.0	27.1	32.3	-112.43	-1,228.7	1,243.0	458.7	403.0	55.73	8.231	
13,000.0	11,738.0	13,201.4	11,914.0	27.4	32.5	-112.43	-1,328.7	1,243.7	458.7	402.4	56.29	8.150	
13,100.0	11,738.0	13,301.4	11,914.0	27.7	32.8	-112.43	-1,428.7	1,244.3	458.7	401.8	56.88	8.065	
13,200.0	11,738.0	13,401.4	11,914.0	28.0	33.1	-112.43	-1,528.7	1,245.0	458.7	401.2	57.51	7.977	
13,300.0	11,738.0	13,501.4	11,914.0	28.4	33.4	-112.43	-1,628.7	1,245.6	458.7	400.6	58.16	7.887	
13,400.0	11,738.0	13,601.4	11,914.0	28.7	33.7	-112.43	-1,728.7	1,246.3	458.7	399.9	58.86	7.794	
13,500.0	11,738.0	13,701.4	11,914.0	29.1	34.0	-112.43	-1,828.7	1,246.9	458.7	399.1	59.58	7.700	
13,600.0	11,738.0	13,801.4	11,914.0	29.5	34.4	-112.43	-1,928.6	1,247.6	458.7	398.4	60.33	7.604	
13,700.0	11,738.0	13,901.4	11,914.0	29.9	34.7	-112.43	-2,028.6	1,248.2	458.7	397.6	61.11	7.507	
13,800.0	11,738.0	14,001.4	11,914.0	30.3	35.1	-112.43	-2,128.6	1,248.9	458.7	396.8	61.91	7.409	
13,900.0	11,738.0	14,101.4	11,914.0	30.8	35.5	-112.43	-2,228.6	1,249.5	458.7	396.0	62.75	7.311	
14,000.0	11,738.0	14,201.4	11,914.0	31.2	35.9	-112.43	-2,328.6	1,250.2	458.7	395.1	63.60	7.212	
14,100.0	11,738.0	14,301.4	11,914.0	31.7	36.3	-112.43	-2,428.6	1,250.8	458.7	394.2	64.49	7.113	
14,200.0	11,738.0	14,401.4	11,914.0	32.2	36.7	-112.43	-2,528.6	1,251.5	458.7	393.3	65.39	7.015	
14,300.0	11,738.0	14,501.4	11,914.0	32.7	37.1	-112.43	-2,628.6	1,252.1	458.7	392.4	66.32	6.917	
14,400.0	11,738.0	14,601.4	11,914.0	33.1	37.5	-112.43	-2,728.6	1,252.8	458.7	391.5	67.27	6.819	
14,500.0	11,738.0	14,701.4	11,914.0	33.7	38.0	-112.43	-2,828.6	1,253.4	458.7	390.5	68.24	6.722	
14,600.0	11,738.0	14,801.4	11,914.0	34.2	38.4	-112.43	-2,928.6	1,254.1	458.7	389.5	69.23	6.626	
14,700.0	11,738.0	14,901.4	11,914.0	34.7	38.9	-112.43	-3,028.6	1,254.7	458.7	388.5	70.23	6.531	
14,800.0	11,738.0	15,001.4	11,914.0	35.2	39.4	-112.43	-3,128.6	1,255.4	458.7	387.5	71.26	6.437	
14,900.0	11,738.0	15,101.4	11,914.0	35.8	39.9	-112.43	-3,228.6	1,256.0	458.7	386.4	72.30	6.344	
15,000.0	11,738.0	15,201.4	11,914.0	36.3	40.4	-112.43	-3,328.6	1,256.7	458.7	385.4	73.36	6.253	
15,100.0	11,738.0	15,301.4	11,914.0	36.9	40.9	-112.43	-3,428.6	1,257.3	458.7	384.3	74.44	6.163	
15,200.0	11,738.0	15,401.4	11,914.0	37.4	41.4	-112.43	-3,528.6	1,258.0	458.7	383.2	75.53	6.074	
15,300.0	11,738.0	15,501.4	11,914.0	38.0	41.9	-112.43	-3,628.6	1,258.6	458.7	382.1	76.63	5.986	
15,400.0	11,738.0	15,601.4	11,914.0	38.6	42.4	-112.43	-3,728.6	1,259.3	458.7	381.0	77.75	5.900	
15,500.0	11,738.0	15,701.4	11,914.0	39.1	42.9	-112.43	-3,828.6	1,259.9	458.7	379.8	78.88	5.815	
15,600.0	11,738.0	15,801.4	11,914.0	39.7	43.5	-112.43	-3,928.6	1,260.6	458.7	378.7	80.02	5.732	
15,700.0	11,738.0	15,901.4	11,914.0	40.3	44.0	-112.43	-4,028.6	1,261.2	458.7	377.5	81.18	5.651	
15,800.0	11,738.0	16,001.4	11,914.0	40.9	44.6	-112.43	-4,128.6	1,261.9	458.7	376.4	82.35	5.570	
15,900.0	11,738.0	16,101.4	11,914.0	41.5	45.1	-112.43	-4,228.6	1,262.5	458.7	375.2	83.53	5.492	
16,000.0	11,738.0	16,201.4	11,914.0	42.1	45.7	-112.43	-4,328.6	1,263.2	458.7	374.0	84.72	5.415	
16,100.0	11,738.0	16,301.4	11,914.0	42.8	46.2	-112.43	-4,428.6	1,263.8	458.7	372.8	85.91	5.339	
16,200.0	11,738.0	16,401.4	11,914.0	43.4	46.8	-112.43	-4,528.6	1,264.5	458.7	371.6	87.12	5.265	
16,300.0	11,738.0	16,501.4	11,914.0	44.0	47.4	-112.43	-4,628.6	1,265.1	458.7	370.4	88.34	5.192	
16,400.0	11,738.0	16,601.4	11,914.0	44.6	48.0	-112.43	-4,728.6	1,265.8	458.7	369.1	89.57	5.121	
16,500.0	11,738.0	16,701.4	11,914.0	45.3	48.6	-112.43	-4,828.6	1,266.4	458.7	367.9	90.81	5.052	
16,600.0	11,738.0	16,801.4	11,914.0	45.9	49.2	-112.43	-4,928.6	1,267.1	458.7	366.7	92.05	4.983	
16,700.0	11,738.0	16,901.4	11,914.0	46.5	49.8	-112.43	-5,028.6	1,267.7	458.7	365.4	93.30	4.916	
16,800.0	11,738.0	17,001.4	11,914.0	47.2	50.4	-112.43	-5,128.6	1,268.4	458.7	364.1	94.56	4.851	
16,900.0	11,738.0	17,101.4	11,914.0	47.8	51.0	-112.43	-5,228.6	1,269.0	458.7	362.9	95.83	4.787	
17,000.0	11,738.0	17,201.4	11,914.0	48.5	51.6	-112.43	-5,328.6	1,269.7	458.7	361.6	97.10	4.724	
17,100.0	11,738.0	17,301.4	11,914.0	49.1	52.2	-112.43	-5,428.6	1,270.3	458.7	360.3	98.39	4.662	
17,200.0	11,738.0	17,401.4	11,914.0	49.8	52.8	-112.43	-5,528.6	1,271.0	458.7	359.0	99.67	4.602	
17,300.0	11,738.0	17,501.4	11,914.0	50.5	53.4	-112.43	-5,628.6	1,271.6	458.7	357.7	100.97	4.543	
17,400.0	11,738.0	17,601.4	11,914.0	51.1	54.0	-112.43	-5,728.6	1,272.3	458.7	356.4	102.27	4.485	
17,500.0	11,738.0	17,701.4	11,914.0	51.8	54.7	-112.43	-5,828.6	1,272.9	458.7	355.1	103.57	4.429	
17,600.0	11,738.0	17,801.4	11,914.0	52.4	55.3	-112.43	-5,928.6	1,273.6	458.7	353.8	104.88	4.373	
17,700.0	11,738.0	17,901.4	11,914.0	53.1	55.9	-112.43	-6,028.6	1,274.2	458.7	352.5	106.20	4.319	

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

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11575-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,800.0	11,738.0	18,001.4	11,914.0	53.8	56.6	-112.43	-6,128.6	1,274.9	458.7	351.2	107.52	4.266	
17,900.0	11,738.0	18,101.4	11,914.0	54.5	57.2	-112.43	-6,228.6	1,275.5	458.7	349.9	108.85	4.214	
18,000.0	11,738.0	18,201.4	11,914.0	55.1	57.9	-112.43	-6,328.6	1,276.2	458.7	348.5	110.18	4.163	
18,100.0	11,738.0	18,301.4	11,914.0	55.8	58.5	-112.43	-6,428.6	1,276.8	458.7	347.2	111.51	4.113	
18,200.0	11,738.0	18,401.4	11,914.0	56.5	59.2	-112.43	-6,528.6	1,277.5	458.7	345.8	112.85	4.065	
18,300.0	11,738.0	18,501.4	11,914.0	57.2	59.8	-112.43	-6,628.5	1,278.1	458.7	344.5	114.20	4.017	
18,400.0	11,738.0	18,601.4	11,914.0	57.9	60.5	-112.43	-6,728.5	1,278.8	458.7	343.2	115.55	3.970	
18,500.0	11,738.0	18,701.4	11,914.0	58.6	61.1	-112.43	-6,828.5	1,279.4	458.7	341.8	116.90	3.924	
18,600.0	11,738.0	18,801.4	11,914.0	59.3	61.8	-112.43	-6,928.5	1,280.1	458.7	340.4	118.26	3.879	
18,700.0	11,738.0	18,901.4	11,914.0	59.9	62.4	-112.43	-7,028.5	1,280.7	458.7	339.1	119.62	3.835	
18,800.0	11,738.0	19,001.4	11,914.0	60.6	63.1	-112.43	-7,128.5	1,281.4	458.7	337.7	120.98	3.791	
18,900.0	11,738.0	19,101.4	11,914.0	61.3	63.8	-112.43	-7,228.5	1,282.0	458.7	336.3	122.35	3.749	
19,000.0	11,738.0	19,201.4	11,914.0	62.0	64.4	-112.43	-7,328.5	1,282.7	458.7	335.0	123.72	3.708	
19,100.0	11,738.0	19,301.4	11,914.0	62.7	65.1	-112.43	-7,428.5	1,283.3	458.7	333.6	125.09	3.667	
19,200.0	11,738.0	19,401.4	11,914.0	63.4	65.8	-112.43	-7,528.5	1,284.0	458.7	332.2	126.47	3.627	
19,300.0	11,738.0	19,501.4	11,914.0	64.1	66.5	-112.43	-7,628.5	1,284.7	458.7	330.8	127.85	3.588	
19,400.0	11,738.0	19,601.4	11,914.0	64.8	67.1	-112.43	-7,728.5	1,285.3	458.7	329.5	129.23	3.549	
19,500.0	11,738.0	19,701.4	11,914.0	65.5	67.8	-112.43	-7,828.5	1,286.0	458.7	328.1	130.62	3.512	
19,600.0	11,738.0	19,801.4	11,914.0	66.2	68.5	-112.43	-7,928.5	1,286.6	458.7	326.7	132.01	3.475	
19,700.0	11,738.0	19,901.4	11,914.0	67.0	69.2	-112.43	-8,028.5	1,287.3	458.7	325.3	133.40	3.439	
19,800.0	11,738.0	20,001.4	11,914.0	67.7	69.9	-112.43	-8,128.5	1,287.9	458.7	323.9	134.79	3.403	
19,900.0	11,738.0	20,101.4	11,914.0	68.4	70.5	-112.43	-8,228.5	1,288.6	458.7	322.5	136.19	3.368	
20,000.0	11,738.0	20,201.4	11,914.0	69.1	71.2	-112.43	-8,328.5	1,289.2	458.7	321.1	137.59	3.334	
20,100.0	11,738.0	20,301.4	11,914.0	69.8	71.9	-112.43	-8,428.5	1,289.9	458.7	319.7	138.99	3.300	
20,200.0	11,738.0	20,401.4	11,914.0	70.5	72.6	-112.43	-8,528.5	1,290.5	458.7	318.3	140.39	3.267	
20,300.0	11,738.0	20,501.4	11,914.0	71.2	73.3	-112.43	-8,628.5	1,291.2	458.7	316.9	141.80	3.235	
20,400.0	11,738.0	20,601.4	11,914.0	71.9	74.0	-112.43	-8,728.5	1,291.8	458.7	315.5	143.21	3.203	
20,500.0	11,738.0	20,701.4	11,914.0	72.6	74.7	-112.43	-8,828.5	1,292.5	458.7	314.1	144.62	3.172	
20,600.0	11,738.0	20,801.4	11,914.0	73.4	75.4	-112.43	-8,928.5	1,293.1	458.7	312.7	146.03	3.141	
20,700.0	11,738.0	20,901.4	11,914.0	74.1	76.1	-112.43	-9,028.5	1,293.8	458.7	311.2	147.44	3.111	
20,800.0	11,738.0	21,001.4	11,914.0	74.8	76.8	-112.43	-9,128.5	1,294.4	458.7	309.8	148.86	3.081	
20,900.0	11,738.0	21,101.4	11,914.0	75.5	77.5	-112.43	-9,228.5	1,295.1	458.7	308.4	150.28	3.052	
21,000.0	11,738.0	21,201.4	11,914.0	76.2	78.2	-112.43	-9,328.5	1,295.7	458.7	307.0	151.70	3.024	
21,100.0	11,738.0	21,301.4	11,914.0	77.0	78.9	-112.43	-9,428.5	1,296.4	458.7	305.6	153.12	2.996	
21,200.0	11,738.0	21,401.4	11,914.0	77.7	79.6	-112.43	-9,528.5	1,297.0	458.7	304.1	154.54	2.968	
21,300.0	11,738.0	21,501.4	11,914.0	78.4	80.3	-112.43	-9,628.5	1,297.7	458.7	302.7	155.97	2.941	
21,400.0	11,738.0	21,601.4	11,914.0	79.1	81.0	-112.43	-9,728.5	1,298.3	458.7	301.3	157.39	2.914	
21,500.0	11,738.0	21,701.4	11,914.0	79.8	81.7	-112.43	-9,828.5	1,299.0	458.7	299.9	158.82	2.888	
21,600.0	11,738.0	21,801.4	11,914.0	80.6	82.4	-112.43	-9,928.5	1,299.6	458.7	298.4	160.25	2.862	
21,642.9	11,738.0	21,844.2	11,914.0	80.9	82.7	-112.43	-9,971.3	1,299.9	458.7	297.8	160.86	2.851	
21,692.9	11,738.0	21,894.2	11,914.0	81.2	83.1	-112.43	-10,021.3	1,300.2	458.7	297.1	161.57	2.839	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	123.70	-33.5	50.3	60.4	53.5	6.98	8.657	
100.0	100.0	101.0	101.0	3.1	3.1	123.70	-33.5	50.3	60.4	53.2	7.23	8.363	
200.0	200.0	201.0	201.0	3.2	3.3	123.70	-33.5	50.3	60.4	53.0	7.46	8.096	
300.0	300.0	301.0	301.0	3.4	3.4	123.70	-33.5	50.3	60.4	52.7	7.70	7.852	
400.0	400.0	401.0	401.0	3.5	3.5	123.70	-33.5	50.3	60.4	52.5	7.92	7.628	
500.0	500.0	501.0	501.0	3.6	3.6	123.70	-33.5	50.3	60.4	52.3	8.14	7.422	
600.0	600.0	601.0	601.0	3.7	3.7	123.70	-33.5	50.3	60.4	52.1	8.36	7.230	
700.0	700.0	701.0	701.0	3.9	3.9	123.70	-33.5	50.3	60.4	51.9	8.57	7.051	
800.0	800.0	801.0	801.0	4.0	4.0	123.70	-33.5	50.3	60.4	51.7	8.78	6.884	
900.0	900.0	901.0	901.0	4.1	4.1	123.70	-33.5	50.3	60.4	51.5	8.98	6.727	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.70	-33.5	50.3	60.4	51.2	9.19	6.580	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.70	-33.5	50.3	60.4	51.1	9.38	6.441	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.70	-33.5	50.3	60.4	50.9	9.58	6.309	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.70	-33.5	50.3	60.4	50.7	9.77	6.185	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.70	-33.5	50.3	60.4	50.5	9.96	6.067	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.70	-33.5	50.3	60.4	50.3	10.09	5.992 CC	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.70	-33.5	50.3	60.4	50.4	10.02	6.032	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	37.76	-33.5	52.0	60.5	50.4	10.12	5.977	
1,604.4	1,604.4	1,603.7	1,603.6	4.9	4.9	37.77	-33.5	52.2	60.5	50.4	10.14	5.967	
1,700.0	1,699.8	1,697.6	1,697.4	5.1	5.1	38.00	-33.4	57.1	60.6	50.0	10.56	5.738	
1,800.0	1,799.5	1,795.9	1,795.3	5.3	5.3	38.39	-33.3	65.5	60.8	49.8	11.02	5.517	
1,900.0	1,898.7	1,894.2	1,892.9	5.6	5.6	38.96	-33.1	77.4	61.0	49.5	11.49	5.313	
2,000.0	1,997.5	1,992.5	1,990.1	5.9	5.9	39.67	-32.8	92.5	61.3	49.4	11.97	5.124	
2,100.0	2,095.6	2,090.8	2,086.6	6.3	6.2	40.54	-32.5	111.0	61.7	49.3	12.47	4.950 ES	
2,200.0	2,193.4	2,189.1	2,182.4	6.5	6.6	40.54	-32.1	132.7	63.5	50.6	12.96	4.901 SF	
2,300.0	2,291.3	2,287.1	2,277.3	6.9	7.0	38.81	-31.7	157.7	68.1	54.5	13.53	5.031	
2,400.0	2,389.1	2,386.7	2,372.9	7.2	7.3	36.34	-31.2	185.1	74.4	60.3	14.17	5.252	
2,500.0	2,486.9	2,486.4	2,468.8	7.5	7.6	34.25	-30.7	212.6	80.9	66.1	14.85	5.449	
2,600.0	2,584.7	2,586.1	2,564.7	7.9	8.0	32.48	-30.2	240.1	87.5	71.9	15.57	5.622	
2,700.0	2,682.5	2,685.9	2,660.6	8.2	8.4	30.95	-29.7	267.6	94.2	77.9	16.31	5.774	
2,800.0	2,780.3	2,785.6	2,756.5	8.6	8.8	29.63	-29.3	295.1	100.9	83.8	17.08	5.907	
2,900.0	2,878.1	2,885.4	2,852.4	9.0	9.2	28.47	-28.8	322.6	107.7	89.8	17.87	6.025	
3,000.0	2,976.0	2,985.1	2,948.2	9.4	9.6	27.45	-28.3	350.1	114.5	95.8	18.68	6.128	
3,100.0	3,073.8	3,084.9	3,044.1	9.8	10.0	26.54	-27.8	377.6	121.3	101.8	19.51	6.219	
3,200.0	3,171.6	3,184.6	3,140.0	10.2	10.4	25.73	-27.3	405.0	128.2	107.8	20.35	6.299	
3,300.0	3,269.4	3,284.4	3,235.9	10.6	10.9	25.01	-26.9	432.5	135.1	113.9	21.20	6.371	
3,400.0	3,367.2	3,384.1	3,331.8	11.0	11.3	24.35	-26.4	460.0	142.0	119.9	22.07	6.434	
3,500.0	3,465.0	3,483.9	3,427.7	11.5	11.7	23.76	-25.9	487.5	148.9	126.0	22.94	6.491	
3,600.0	3,562.8	3,583.6	3,523.5	11.9	12.2	23.21	-25.4	515.0	155.8	132.0	23.82	6.542	
3,700.0	3,660.7	3,683.4	3,619.4	12.3	12.6	22.72	-24.9	542.5	162.8	138.1	24.71	6.588	
3,800.0	3,758.5	3,783.1	3,715.3	12.8	13.1	22.26	-24.5	570.0	169.8	144.2	25.61	6.629	
3,900.0	3,856.3	3,882.9	3,811.2	13.2	13.5	21.84	-24.0	597.5	176.7	150.2	26.51	6.667	
4,000.0	3,954.1	3,982.6	3,907.1	13.6	14.0	21.46	-23.5	625.0	183.7	156.3	27.42	6.701	
4,100.0	4,051.9	4,082.4	4,003.0	14.1	14.5	21.10	-23.0	652.5	190.7	162.4	28.33	6.731	
4,200.0	4,149.7	4,182.1	4,098.9	14.5	14.9	20.76	-22.5	679.9	197.7	168.5	29.25	6.760	
4,300.0	4,247.5	4,281.9	4,194.7	15.0	15.4	20.45	-22.1	707.4	204.7	174.5	30.17	6.785	
4,400.0	4,345.4	4,381.6	4,290.6	15.4	15.9	20.16	-21.6	734.9	211.7	180.6	31.09	6.809	
4,500.0	4,443.2	4,481.4	4,386.5	15.9	16.4	19.89	-21.1	762.4	218.7	186.7	32.02	6.831	
4,600.0	4,541.0	4,581.1	4,482.4	16.3	16.8	19.64	-20.6	789.9	225.7	192.8	32.95	6.851	
4,700.0	4,638.8	4,680.9	4,578.3	16.8	17.3	19.40	-20.1	817.4	232.8	198.9	33.89	6.869	
4,800.0	4,736.6	4,780.6	4,674.2	17.2	17.8	19.17	-19.7	844.9	239.8	205.0	34.82	6.886	
4,900.0	4,834.4	4,880.4	4,770.0	17.7	18.3	18.96	-19.2	872.4	246.8	211.1	35.76	6.902	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS													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	
5,000.0	4,932.3	4,980.1	4,865.9	18.1	18.7	18.76	-18.7	899.9	253.9	217.2	36.70	6.917	
5,100.0	5,030.1	5,079.9	4,961.8	18.6	19.2	18.57	-18.2	927.4	260.9	223.2	37.65	6.930	
5,105.0	5,035.0	5,084.9	4,966.7	18.6	19.3	18.56	-18.2	928.7	261.2	223.5	37.69	6.931	
5,200.0	5,128.0	5,179.6	5,057.6	19.0	19.7	18.36	-17.7	954.8	268.7	230.1	38.59	6.962	
5,300.0	5,226.3	5,279.1	5,153.3	19.5	20.2	18.06	-17.3	982.3	278.1	238.6	39.54	7.033	
5,400.0	5,325.0	5,378.4	5,248.8	19.9	20.7	17.67	-16.8	1,009.6	289.2	248.7	40.50	7.141	
5,500.0	5,423.8	5,477.6	5,344.1	20.4	21.2	17.23	-16.3	1,037.0	302.0	260.5	41.45	7.285	
5,600.0	5,523.0	5,576.5	5,439.2	20.8	21.6	16.73	-15.8	1,064.2	316.4	274.0	42.40	7.463	
5,700.0	5,622.3	5,675.1	5,534.0	21.2	22.1	16.20	-15.4	1,091.4	332.6	289.2	43.34	7.672	
5,800.0	5,721.9	5,773.5	5,628.6	21.6	22.6	15.65	-14.9	1,118.5	350.4	306.1	44.27	7.914	
5,900.0	5,821.5	5,871.5	5,722.8	22.0	23.1	15.09	-14.4	1,145.5	369.9	324.7	45.19	8.185	
6,000.0	5,921.3	5,969.1	5,816.6	22.3	23.6	14.53	-13.9	1,172.4	391.1	345.0	46.08	8.486	
6,100.0	6,021.2	6,066.4	5,910.1	22.6	24.1	13.97	-13.5	1,199.2	413.9	367.0	46.95	8.816	
6,200.0	6,121.2	6,164.7	6,004.7	22.9	24.5	13.42	-13.0	1,226.3	438.4	390.7	47.79	9.174	
6,300.0	6,221.2	6,265.2	6,101.5	23.1	25.0	12.89	-12.5	1,253.2	464.0	415.4	48.53	9.560	
6,305.0	6,226.2	6,270.3	6,106.4	23.1	25.0	98.86	-12.5	1,254.5	465.3	416.7	48.57	9.579	
6,400.0	6,321.2	6,365.9	6,198.8	23.1	25.5	98.35	-12.1	1,279.3	489.6	440.4	49.16	9.959	
6,500.0	6,421.2	6,467.1	6,296.7	23.2	26.0	97.87	-11.6	1,304.7	514.4	464.6	49.77	10.335	
6,600.0	6,521.2	6,568.7	6,395.3	23.2	26.5	97.46	-11.2	1,329.4	538.4	488.0	50.38	10.687	
6,700.0	6,621.2	6,670.8	6,494.5	23.2	27.0	97.09	-10.8	1,353.2	561.5	510.5	50.98	11.016	
6,800.0	6,721.2	6,773.3	6,594.4	23.3	27.5	96.76	-10.4	1,376.3	583.8	532.3	51.57	11.322	
6,900.0	6,821.2	6,876.3	6,694.9	23.3	28.0	96.47	-10.0	1,398.6	605.3	553.1	52.15	11.607	
7,000.0	6,921.2	6,979.6	6,796.0	23.3	28.4	96.21	-9.6	1,420.0	625.9	573.2	52.73	11.870	
7,100.0	7,021.2	7,083.3	6,897.6	23.4	28.9	95.98	-9.3	1,440.7	645.6	592.3	53.30	12.114	
7,200.0	7,121.2	7,187.4	6,999.8	23.4	29.4	95.76	-8.9	1,460.4	664.5	610.6	53.86	12.337	
7,300.0	7,221.2	7,291.8	7,102.5	23.4	29.9	95.57	-8.6	1,479.3	682.5	628.0	54.42	12.541	
7,400.0	7,321.2	7,396.6	7,205.8	23.5	30.4	95.40	-8.3	1,497.3	699.5	644.6	54.96	12.727	
7,500.0	7,421.2	7,501.8	7,309.5	23.5	30.8	95.25	-8.0	1,514.5	715.7	660.2	55.50	12.895	
7,600.0	7,521.2	7,607.2	7,413.7	23.5	31.3	95.11	-7.7	1,530.7	731.0	675.0	56.04	13.046	
7,700.0	7,621.2	7,712.9	7,518.3	23.6	31.8	94.98	-7.4	1,546.0	745.4	688.9	56.56	13.180	
7,800.0	7,721.2	7,818.9	7,623.3	23.6	32.2	94.87	-7.2	1,560.3	758.9	701.9	57.07	13.298	
7,900.0	7,821.2	7,925.2	7,728.7	23.6	32.7	94.77	-6.9	1,573.8	771.5	713.9	57.57	13.401	
8,000.0	7,921.2	8,031.7	7,834.5	23.7	33.1	94.67	-6.7	1,586.3	783.2	725.1	58.06	13.489	
8,100.0	8,021.2	8,138.4	7,940.6	23.7	33.5	94.59	-6.5	1,597.8	793.9	735.4	58.54	13.562	
8,200.0	8,121.2	8,245.3	8,047.0	23.8	34.0	94.52	-6.3	1,608.3	803.7	744.7	59.00	13.622	
8,300.0	8,221.2	8,352.4	8,153.7	23.8	34.4	94.45	-6.2	1,617.9	812.6	753.2	59.46	13.668	
8,400.0	8,321.2	8,459.7	8,260.6	23.8	34.8	94.39	-6.0	1,626.5	820.6	760.7	59.89	13.701	
8,500.0	8,421.2	8,567.2	8,367.8	23.9	35.2	94.35	-5.9	1,634.1	827.6	767.3	60.31	13.722	
8,600.0	8,521.2	8,674.7	8,475.2	23.9	35.6	94.30	-5.8	1,640.7	833.7	773.0	60.72	13.732	
8,700.0	8,621.2	8,782.4	8,582.7	23.9	35.9	94.27	-5.7	1,646.3	838.9	777.8	61.10	13.731	
8,800.0	8,721.2	8,890.2	8,690.4	24.0	36.3	94.24	-5.6	1,650.9	843.2	781.7	61.46	13.719	
8,900.0	8,821.2	8,998.1	8,798.2	24.0	36.6	94.22	-5.5	1,654.5	846.5	784.7	61.79	13.698	
9,000.0	8,921.2	9,106.0	8,906.1	24.1	36.9	94.20	-5.5	1,657.0	848.8	786.7	62.09	13.670	
9,100.0	9,021.2	9,214.0	9,014.0	24.1	37.2	94.19	-5.5	1,658.6	850.3	787.9	62.35	13.637	
9,200.0	9,121.2	9,322.0	9,122.0	24.1	37.4	94.19	-5.4	1,659.1	850.8	788.2	62.51	13.610	
9,300.0	9,221.2	9,422.1	9,222.2	24.2	37.4	94.19	-5.4	1,659.1	850.8	788.2	62.56	13.599	
9,400.0	9,321.2	9,522.1	9,322.2	24.2	37.4	94.19	-5.4	1,659.1	850.8	788.1	62.61	13.588	
9,500.0	9,421.2	9,622.1	9,422.2	24.3	37.5	94.19	-5.4	1,659.1	850.8	788.1	62.67	13.576	
9,600.0	9,521.2	9,722.1	9,522.2	24.3	37.5	94.19	-5.4	1,659.1	850.8	788.0	62.72	13.564	
9,700.0	9,621.2	9,822.1	9,622.2	24.3	37.5	94.19	-5.4	1,659.1	850.8	788.0	62.78	13.552	
9,800.0	9,721.2	9,922.1	9,722.2	24.4	37.5	94.19	-5.4	1,659.1	850.8	787.9	62.83	13.540	
9,900.0	9,821.2	10,022.1	9,822.2	24.4	37.5	94.19	-5.4	1,659.1	850.8	787.9	62.89	13.529	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
10,000.0	9,921.2	10,122.1	9,922.2	24.5	37.6	94.19	-5.4	1,659.1	850.8	787.8	62.94	13.517	
10,100.0	10,021.2	10,222.1	10,022.2	24.5	37.6	94.19	-5.4	1,659.1	850.8	787.8	63.00	13.504	
10,200.0	10,121.2	10,322.1	10,122.2	24.5	37.6	94.19	-5.4	1,659.1	850.8	787.7	63.05	13.492	
10,300.0	10,221.2	10,422.1	10,222.2	24.6	37.6	94.19	-5.4	1,659.1	850.8	787.6	63.11	13.480	
10,400.0	10,321.2	10,522.1	10,322.2	24.6	37.6	94.19	-5.4	1,659.1	850.8	787.6	63.17	13.468	
10,500.0	10,421.2	10,622.1	10,422.2	24.7	37.7	94.19	-5.4	1,659.1	850.8	787.5	63.23	13.456	
10,600.0	10,521.2	10,722.1	10,522.2	24.7	37.7	94.19	-5.4	1,659.1	850.8	787.5	63.28	13.443	
10,700.0	10,621.2	10,822.1	10,622.2	24.7	37.7	94.19	-5.4	1,659.1	850.8	787.4	63.34	13.431	
10,800.0	10,721.2	10,922.1	10,722.2	24.8	37.7	94.19	-5.4	1,659.1	850.8	787.4	63.40	13.419	
10,900.0	10,821.2	11,022.1	10,822.2	24.8	37.8	94.19	-5.4	1,659.1	850.8	787.3	63.46	13.406	
11,000.0	10,921.2	11,122.1	10,922.2	24.9	37.8	94.19	-5.4	1,659.1	850.8	787.2	63.52	13.393	
11,100.0	11,021.2	11,222.1	11,022.2	24.9	37.8	94.19	-5.4	1,659.1	850.8	787.2	63.58	13.381	
11,200.0	11,121.2	11,322.1	11,122.2	25.0	37.8	94.19	-5.4	1,659.1	850.8	787.1	63.64	13.368	
11,300.0	11,221.2	11,422.1	11,222.2	25.0	37.8	94.19	-5.4	1,659.1	850.8	787.1	63.70	13.356	
11,339.3	11,260.5	11,461.5	11,261.5	25.0	37.8	94.19	-5.4	1,659.1	850.8	787.0	63.71	13.354	
11,350.0	11,271.2	11,470.8	11,270.9	25.0	37.8	-85.44	-5.5	1,659.1	850.8	787.3	63.51	13.396	
11,375.0	11,296.2	11,492.7	11,292.8	25.0	37.8	-85.45	-6.5	1,659.1	850.7	787.2	63.55	13.387	
11,400.0	11,321.0	11,514.6	11,314.6	25.0	37.9	-85.47	-8.4	1,659.1	850.7	787.1	63.59	13.378	
11,425.0	11,345.7	11,536.5	11,336.3	25.0	37.9	-85.50	-11.3	1,659.1	850.7	787.1	63.63	13.369	
11,450.0	11,370.2	11,558.5	11,357.9	25.0	37.9	-85.55	-15.3	1,659.2	850.6	787.0	63.68	13.359	
11,475.0	11,394.4	11,580.5	11,379.3	25.0	37.9	-85.60	-20.2	1,659.2	850.6	786.9	63.72	13.349	
11,500.0	11,418.2	11,602.5	11,400.5	25.0	37.9	-85.67	-26.1	1,659.2	850.5	786.7	63.76	13.340	
11,525.0	11,441.6	11,625.0	11,421.9	25.0	37.9	-85.74	-33.2	1,659.3	850.4	786.6	63.79	13.331	
11,550.0	11,464.4	11,646.6	11,442.0	25.0	37.9	-85.83	-40.9	1,659.3	850.3	786.5	63.84	13.320	
11,575.0	11,486.7	11,668.7	11,462.3	25.0	37.9	-85.92	-49.7	1,659.4	850.2	786.3	63.87	13.311	
11,600.0	11,508.4	11,690.9	11,482.2	25.0	37.9	-86.03	-59.5	1,659.5	850.1	786.2	63.91	13.302	
11,625.0	11,529.5	11,713.1	11,501.7	25.0	37.9	-86.15	-70.2	1,659.5	850.0	786.1	63.94	13.293	
11,650.0	11,549.7	11,735.4	11,520.7	25.0	37.9	-86.27	-81.9	1,659.6	849.9	785.9	63.98	13.284	
11,675.0	11,569.2	11,757.8	11,539.2	25.1	37.9	-86.41	-94.5	1,659.7	849.7	785.7	64.00	13.276	
11,700.0	11,587.9	11,780.2	11,557.1	25.1	37.9	-86.55	-107.9	1,659.8	849.6	785.6	64.03	13.268	
11,725.0	11,605.6	11,802.7	11,574.5	25.1	37.9	-86.71	-122.3	1,659.9	849.5	785.4	64.06	13.261	
11,750.0	11,622.4	11,825.0	11,590.9	25.1	37.9	-86.86	-137.3	1,660.0	849.3	785.3	64.08	13.254	
11,775.0	11,638.2	11,848.1	11,607.3	25.1	37.9	-87.04	-153.6	1,660.1	849.2	785.1	64.10	13.248	
11,800.0	11,653.0	11,870.9	11,622.6	25.1	37.9	-87.21	-170.5	1,660.2	849.1	785.0	64.12	13.242	
11,825.0	11,666.7	11,893.8	11,637.2	25.1	37.9	-87.40	-188.2	1,660.3	848.9	784.8	64.14	13.237	
11,850.0	11,679.3	11,916.8	11,650.9	25.1	37.9	-87.59	-206.6	1,660.4	848.8	784.7	64.15	13.232	
11,875.0	11,690.7	11,940.0	11,663.9	25.1	37.9	-87.79	-225.8	1,660.5	848.7	784.5	64.16	13.228	
11,900.0	11,701.0	11,963.3	11,675.9	25.2	37.9	-87.99	-245.7	1,660.7	848.6	784.4	64.17	13.224	
11,925.0	11,710.0	11,986.7	11,687.1	25.2	37.9	-88.20	-266.3	1,660.8	848.5	784.3	64.18	13.221	
11,950.0	11,717.8	12,010.2	11,697.2	25.2	37.9	-88.41	-287.6	1,660.9	848.4	784.2	64.18	13.218	
11,975.0	11,724.4	12,033.9	11,706.4	25.2	38.0	-88.63	-309.4	1,661.1	848.3	784.1	64.19	13.216	
12,000.0	11,729.7	12,057.8	11,714.5	25.2	38.0	-88.86	-331.8	1,661.2	848.2	784.0	64.19	13.214	
12,025.0	11,733.7	12,081.8	11,721.5	25.3	38.0	-89.08	-354.8	1,661.4	848.2	784.0	64.19	13.213	
12,050.0	11,736.4	12,105.9	11,727.4	25.3	38.0	-89.31	-378.2	1,661.5	848.1	783.9	64.19	13.212	
12,075.0	11,737.8	12,130.3	11,732.1	25.3	38.0	-89.55	-402.1	1,661.7	848.1	783.9	64.19	13.211	
12,089.3	11,738.0	12,144.3	11,734.3	25.3	38.0	-89.68	-415.9	1,661.8	848.1	783.9	64.19	13.211	
12,100.0	11,738.0	12,154.8	11,735.6	25.3	38.0	-89.77	-426.3	1,661.8	848.1	783.9	64.19	13.211	
12,148.2	11,738.0	12,202.7	11,738.9	25.4	38.1	-89.99	-474.1	1,662.1	848.1	783.8	64.24	13.201	
12,200.0	11,738.0	12,254.5	11,739.0	25.5	38.1	-90.00	-525.9	1,662.5	848.1	783.7	64.35	13.179	
12,300.0	11,738.0	12,354.5	11,739.0	25.6	38.2	-90.00	-625.9	1,663.1	848.1	783.5	64.58	13.132	
12,400.0	11,738.0	12,454.5	11,739.0	25.8	38.3	-90.00	-725.9	1,663.8	848.1	783.2	64.84	13.079	
12,500.0	11,738.0	12,554.5	11,739.0	26.0	38.5	-90.00	-825.9	1,664.4	848.1	782.9	65.14	13.019	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,600.0	11,738.0	12,654.5	11,739.0	26.3	38.6	-90.00	-925.9	1,665.1	848.1	782.6	65.48	12.952	
12,700.0	11,738.0	12,754.5	11,739.0	26.5	38.8	-90.00	-1,025.9	1,665.7	848.1	782.2	65.84	12.880	
12,800.0	11,738.0	12,854.5	11,739.0	26.8	38.9	-90.00	-1,125.9	1,666.4	848.1	781.8	66.24	12.803	
12,900.0	11,738.0	12,954.5	11,739.0	27.1	39.1	-90.00	-1,225.9	1,667.0	848.1	781.4	66.67	12.720	
13,000.0	11,738.0	13,054.5	11,739.0	27.4	39.3	-90.00	-1,325.9	1,667.7	848.1	780.9	67.13	12.633	
13,100.0	11,738.0	13,154.5	11,739.0	27.7	39.6	-90.00	-1,425.9	1,668.3	848.1	780.4	67.62	12.541	
13,200.0	11,738.0	13,254.5	11,739.0	28.0	39.8	-90.00	-1,525.9	1,669.0	848.1	779.9	68.15	12.445	
13,300.0	11,738.0	13,354.5	11,739.0	28.4	40.0	-90.00	-1,625.9	1,669.6	848.1	779.4	68.70	12.345	
13,400.0	11,738.0	13,454.5	11,739.0	28.7	40.3	-90.00	-1,725.9	1,670.3	848.1	778.8	69.28	12.241	
13,500.0	11,738.0	13,554.5	11,739.0	29.1	40.6	-90.00	-1,825.9	1,670.9	848.1	778.2	69.89	12.135	
13,600.0	11,738.0	13,654.5	11,739.0	29.5	40.9	-90.00	-1,925.9	1,671.6	848.0	777.5	70.52	12.026	
13,700.0	11,738.0	13,754.5	11,739.0	29.9	41.2	-90.00	-2,025.9	1,672.2	848.0	776.9	71.18	11.914	
13,800.0	11,738.0	13,854.5	11,739.0	30.3	41.5	-90.00	-2,125.9	1,672.9	848.0	776.2	71.87	11.800	
13,900.0	11,738.0	13,954.5	11,739.0	30.8	41.8	-90.00	-2,225.9	1,673.5	848.0	775.5	72.58	11.684	
14,000.0	11,738.0	14,054.5	11,739.0	31.2	42.1	-90.00	-2,325.9	1,674.2	848.0	774.7	73.32	11.567	
14,100.0	11,738.0	14,154.5	11,739.0	31.7	42.5	-90.00	-2,425.9	1,674.8	848.0	774.0	74.08	11.448	
14,200.0	11,738.0	14,254.5	11,739.0	32.2	42.8	-90.00	-2,525.9	1,675.5	848.0	773.2	74.86	11.328	
14,300.0	11,738.0	14,354.5	11,739.0	32.7	43.2	-90.00	-2,625.9	1,676.1	848.0	772.4	75.66	11.208	
14,400.0	11,738.0	14,454.5	11,739.0	33.1	43.6	-90.00	-2,725.9	1,676.8	848.0	771.6	76.49	11.087	
14,500.0	11,738.0	14,554.5	11,739.0	33.7	43.9	-90.00	-2,825.9	1,677.4	848.0	770.7	77.34	10.966	
14,600.0	11,738.0	14,654.5	11,739.0	34.2	44.3	-90.00	-2,925.9	1,678.1	848.0	769.8	78.20	10.844	
14,700.0	11,738.0	14,754.5	11,739.0	34.7	44.7	-90.00	-3,025.9	1,678.7	848.0	769.0	79.09	10.723	
14,800.0	11,738.0	14,854.5	11,739.0	35.2	45.2	-90.00	-3,125.9	1,679.4	848.0	768.0	79.99	10.601	
14,900.0	11,738.0	14,954.5	11,739.0	35.8	45.6	-90.00	-3,225.9	1,680.0	848.0	767.1	80.92	10.481	
15,000.0	11,738.0	15,054.5	11,739.0	36.3	46.0	-90.00	-3,325.9	1,680.7	848.0	766.2	81.86	10.360	
15,100.0	11,738.0	15,154.5	11,739.0	36.9	46.4	-90.00	-3,425.9	1,681.3	848.0	765.2	82.81	10.241	
15,200.0	11,738.0	15,254.5	11,739.0	37.4	46.9	-90.00	-3,525.9	1,682.0	848.0	764.3	83.78	10.122	
15,300.0	11,738.0	15,354.5	11,739.0	38.0	47.3	-90.00	-3,625.9	1,682.6	848.0	763.3	84.77	10.004	
15,400.0	11,738.0	15,454.5	11,739.0	38.6	47.8	-90.00	-3,725.9	1,683.3	848.0	762.3	85.78	9.886	
15,500.0	11,738.0	15,554.5	11,739.0	39.1	48.3	-90.00	-3,825.9	1,683.9	848.0	761.2	86.80	9.770	
15,600.0	11,738.0	15,654.5	11,739.0	39.7	48.8	-90.00	-3,925.8	1,684.6	848.0	760.2	87.83	9.656	
15,700.0	11,738.0	15,754.5	11,739.0	40.3	49.2	-90.00	-4,025.8	1,685.2	848.0	759.2	88.87	9.542	
15,800.0	11,738.0	15,854.5	11,739.0	40.9	49.7	-90.00	-4,125.8	1,685.9	848.0	758.1	89.93	9.430	
15,900.0	11,738.0	15,954.5	11,739.0	41.5	50.2	-90.00	-4,225.8	1,686.5	848.0	757.0	91.01	9.318	
16,000.0	11,738.0	16,054.5	11,739.0	42.1	50.7	-90.00	-4,325.8	1,687.2	848.0	755.9	92.09	9.209	
16,100.0	11,738.0	16,154.5	11,739.0	42.8	51.2	-90.00	-4,425.8	1,687.8	848.0	754.8	93.19	9.100	
16,200.0	11,738.0	16,254.5	11,739.0	43.4	51.8	-90.00	-4,525.8	1,688.5	848.0	753.7	94.29	8.994	
16,300.0	11,738.0	16,354.5	11,739.0	44.0	52.3	-90.00	-4,625.8	1,689.1	848.0	752.6	95.41	8.888	
16,400.0	11,738.0	16,454.5	11,739.0	44.6	52.8	-90.00	-4,725.8	1,689.8	848.0	751.5	96.54	8.784	
16,500.0	11,738.0	16,554.5	11,739.0	45.3	53.3	-90.00	-4,825.8	1,690.4	848.0	750.3	97.68	8.682	
16,600.0	11,738.0	16,654.5	11,739.0	45.9	53.9	-90.00	-4,925.8	1,691.1	848.0	749.2	98.83	8.581	
16,700.0	11,738.0	16,754.5	11,739.0	46.5	54.4	-90.00	-5,025.8	1,691.7	848.0	748.0	99.99	8.481	
16,800.0	11,738.0	16,854.5	11,739.0	47.2	55.0	-90.00	-5,125.8	1,692.4	848.0	746.9	101.15	8.383	
16,900.0	11,738.0	16,954.5	11,739.0	47.8	55.5	-90.00	-5,225.8	1,693.0	848.0	745.7	102.33	8.287	
17,000.0	11,738.0	17,054.5	11,739.0	48.5	56.1	-90.00	-5,325.8	1,693.7	848.0	744.5	103.52	8.192	
17,100.0	11,738.0	17,154.5	11,739.0	49.1	56.7	-90.00	-5,425.8	1,694.3	848.0	743.3	104.71	8.099	
17,200.0	11,738.0	17,254.5	11,739.0	49.8	57.2	-90.00	-5,525.8	1,695.0	848.0	742.1	105.91	8.007	
17,300.0	11,738.0	17,354.5	11,739.0	50.5	57.8	-90.00	-5,625.8	1,695.6	848.0	740.9	107.12	7.917	
17,400.0	11,738.0	17,454.5	11,739.0	51.1	58.4	-90.00	-5,725.8	1,696.3	848.0	739.7	108.34	7.828	
17,500.0	11,738.0	17,554.5	11,739.0	51.8	59.0	-90.00	-5,825.8	1,696.9	848.0	738.5	109.56	7.740	
17,600.0	11,738.0	17,654.5	11,739.0	52.4	59.5	-90.00	-5,925.8	1,697.6	848.0	737.2	110.79	7.654	
17,700.0	11,738.0	17,754.5	11,739.0	53.1	60.1	-90.00	-6,025.8	1,698.2	848.0	736.0	112.03	7.570	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,800.0	11,738.0	17,854.5	11,739.0	53.8	60.7	-90.00	-6,125.8	1,698.9	848.0	734.7	113.27	7.486	
17,900.0	11,738.0	17,954.5	11,739.0	54.5	61.3	-90.00	-6,225.8	1,699.5	848.0	733.5	114.52	7.405	
18,000.0	11,738.0	18,054.5	11,739.0	55.1	61.9	-90.00	-6,325.8	1,700.2	848.0	732.2	115.78	7.324	
18,100.0	11,738.0	18,154.5	11,739.0	55.8	62.5	-90.00	-6,425.8	1,700.8	848.0	731.0	117.04	7.245	
18,200.0	11,738.0	18,254.5	11,739.0	56.5	63.1	-90.00	-6,525.8	1,701.5	848.0	729.7	118.31	7.168	
18,300.0	11,738.0	18,354.5	11,739.0	57.2	63.7	-90.00	-6,625.8	1,702.1	848.0	728.4	119.59	7.091	
18,400.0	11,738.0	18,454.5	11,739.0	57.9	64.4	-90.00	-6,725.8	1,702.8	848.0	727.1	120.86	7.016	
18,500.0	11,738.0	18,554.5	11,739.0	58.6	65.0	-90.00	-6,825.8	1,703.4	848.0	725.9	122.15	6.942	
18,600.0	11,738.0	18,654.5	11,739.0	59.3	65.6	-90.00	-6,925.8	1,704.1	848.0	724.6	123.44	6.870	
18,700.0	11,738.0	18,754.5	11,739.0	59.9	66.2	-90.00	-7,025.8	1,704.7	848.0	723.3	124.73	6.799	
18,800.0	11,738.0	18,854.5	11,739.0	60.6	66.8	-90.00	-7,125.8	1,705.4	848.0	722.0	126.03	6.729	
18,900.0	11,738.0	18,954.5	11,739.0	61.3	67.5	-90.00	-7,225.8	1,706.0	848.0	720.7	127.34	6.660	
19,000.0	11,738.0	19,054.5	11,739.0	62.0	68.1	-90.00	-7,325.8	1,706.7	848.0	719.4	128.64	6.592	
19,100.0	11,738.0	19,154.5	11,739.0	62.7	68.7	-90.00	-7,425.8	1,707.3	848.0	718.1	129.96	6.525	
19,200.0	11,738.0	19,254.5	11,739.0	63.4	69.4	-90.00	-7,525.8	1,708.0	848.0	716.7	131.27	6.460	
19,300.0	11,738.0	19,354.5	11,739.0	64.1	70.0	-90.00	-7,625.8	1,708.6	848.0	715.4	132.59	6.396	
19,400.0	11,738.0	19,454.5	11,739.0	64.8	70.7	-90.00	-7,725.8	1,709.3	848.0	714.1	133.92	6.332	
19,500.0	11,738.0	19,554.5	11,739.0	65.5	71.3	-90.00	-7,825.8	1,709.9	848.0	712.8	135.25	6.270	
19,600.0	11,738.0	19,654.5	11,739.0	66.2	71.9	-90.00	-7,925.8	1,710.6	848.0	711.4	136.58	6.209	
19,700.0	11,738.0	19,754.5	11,739.0	67.0	72.6	-90.00	-8,025.8	1,711.2	848.0	710.1	137.91	6.149	
19,800.0	11,738.0	19,854.5	11,739.0	67.7	73.2	-90.00	-8,125.8	1,711.9	848.0	708.7	139.25	6.090	
19,900.0	11,738.0	19,954.5	11,739.0	68.4	73.9	-90.00	-8,225.8	1,712.5	848.0	707.4	140.59	6.032	
20,000.0	11,738.0	20,054.5	11,739.0	69.1	74.5	-90.00	-8,325.8	1,713.2	848.0	706.1	141.94	5.974	
20,100.0	11,738.0	20,154.5	11,739.0	69.8	75.2	-90.00	-8,425.8	1,713.8	848.0	704.7	143.29	5.918	
20,200.0	11,738.0	20,254.5	11,739.0	70.5	75.9	-90.00	-8,525.8	1,714.5	848.0	703.4	144.64	5.863	
20,300.0	11,738.0	20,354.5	11,739.0	71.2	76.5	-90.00	-8,625.8	1,715.1	848.0	702.0	146.00	5.808	
20,400.0	11,738.0	20,454.5	11,739.0	71.9	77.2	-90.00	-8,725.7	1,715.8	848.0	700.6	147.35	5.755	
20,500.0	11,738.0	20,554.5	11,739.0	72.6	77.9	-90.00	-8,825.7	1,716.4	848.0	699.3	148.72	5.702	
20,600.0	11,738.0	20,654.5	11,739.0	73.4	78.5	-90.00	-8,925.7	1,717.1	848.0	697.9	150.08	5.650	
20,700.0	11,738.0	20,754.5	11,739.0	74.1	79.2	-90.00	-9,025.7	1,717.7	848.0	696.5	151.45	5.599	
20,800.0	11,738.0	20,854.5	11,739.0	74.8	79.9	-90.00	-9,125.7	1,718.4	848.0	695.2	152.81	5.549	
20,900.0	11,738.0	20,954.5	11,739.0	75.5	80.5	-90.00	-9,225.7	1,719.0	848.0	693.8	154.19	5.500	
21,000.0	11,738.0	21,054.5	11,739.0	76.2	81.2	-90.00	-9,325.7	1,719.7	848.0	692.4	155.56	5.451	
21,100.0	11,738.0	21,154.5	11,739.0	77.0	81.9	-90.00	-9,425.7	1,720.3	848.0	691.1	156.94	5.403	
21,200.0	11,738.0	21,254.5	11,739.0	77.7	82.5	-90.00	-9,525.7	1,721.0	848.0	689.7	158.32	5.356	
21,300.0	11,738.0	21,354.5	11,739.0	78.4	83.2	-90.00	-9,625.7	1,721.6	848.0	688.3	159.70	5.310	
21,400.0	11,738.0	21,454.5	11,739.0	79.1	83.9	-90.00	-9,725.7	1,722.3	848.0	686.9	161.08	5.264	
21,500.0	11,738.0	21,554.5	11,739.0	79.8	84.6	-90.00	-9,825.7	1,723.0	848.0	685.5	162.47	5.219	
21,600.0	11,738.0	21,654.5	11,739.0	80.6	85.3	-90.00	-9,925.7	1,723.6	848.0	684.1	163.85	5.175	
21,642.9	11,738.0	21,697.4	11,739.0	80.9	85.6	-90.00	-9,968.6	1,723.9	848.0	683.5	164.45	5.157	
21,692.9	11,738.0	21,747.4	11,739.0	81.2	85.9	-90.00	-10,018.6	1,724.2	848.0	682.8	165.14	5.135	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #755H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3175.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3175.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #755H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL @ 3175.0usft

Offset Depths are relative to Offset Datum

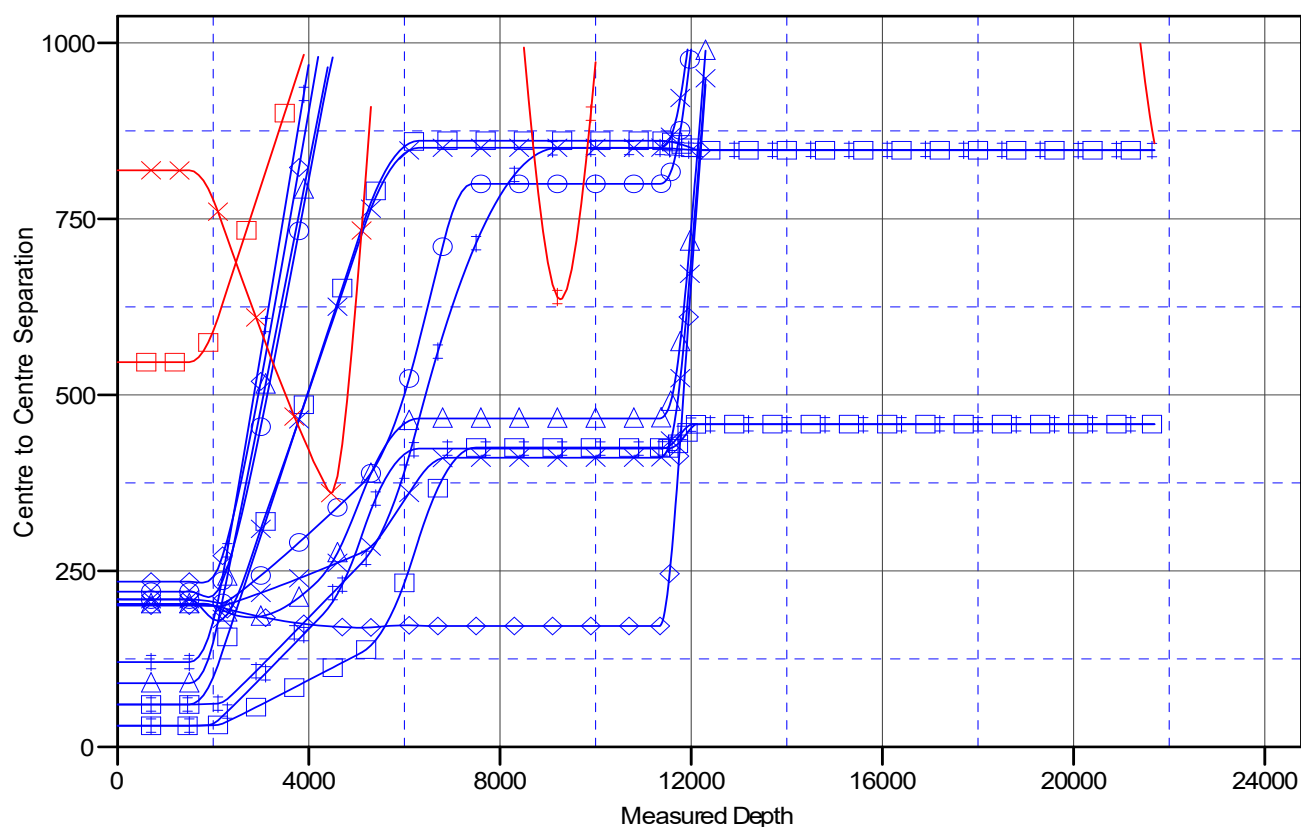
Central Meridian is 104° 20' 0.000 W

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

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

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

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #755H

OWB

Plan: PWP0

Standard Planning Report

25 January, 2023

ConocoPhillips
Planning Report

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

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

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

Well	ZIA HILLS UNIT 2032 WC #755H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	3.0 usft	Wellhead Elevation:	
Grid Convergence:	0.33 °		
		Latitude:	32° 1' 40.077 N
		Longitude:	103° 42' 8.888 W
		Ground Level:	3,175.0 usft

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

Design	PWP0				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	175.00	

Plan Survey Tool Program		Date	1/25/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp		
2	1,500.0	11,339.3 PWP0 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,339.3	21,692.9 PWP0 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

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Planning Report

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

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,100.0	12.00	86.00	2,095.6	4.4	62.5	2.00	2.00	0.00	86.00	
5,105.0	12.00	86.00	5,035.0	47.9	685.7	0.00	0.00	0.00	0.00	
6,305.0	0.00	0.00	6,226.2	56.7	810.6	1.00	-1.00	0.00	180.00	
11,339.3	0.00	0.00	11,260.5	56.7	810.6	0.00	0.00	0.00	0.00	
12,089.3	90.00	179.63	11,738.0	-420.8	813.7	12.00	12.00	23.95	179.63	
21,642.9	90.00	179.63	11,738.0	-9,974.1	875.9	0.00	0.00	0.00	0.00	
21,692.9	90.00	179.63	11,738.0	-10,024.1	876.2	0.00	0.00	0.00	0.00	

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Planning Report

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

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	86.00	1,600.0	0.1	1.7	0.0	2.00	2.00	0.00
1,700.0	4.00	86.00	1,699.8	0.5	7.0	0.1	2.00	2.00	0.00
1,800.0	6.00	86.00	1,799.5	1.1	15.7	0.3	2.00	2.00	0.00
1,900.0	8.00	86.00	1,898.7	1.9	27.8	0.5	2.00	2.00	0.00
2,000.0	10.00	86.00	1,997.5	3.0	43.4	0.8	2.00	2.00	0.00
2,100.0	12.00	86.00	2,095.6	4.4	62.5	1.1	2.00	2.00	0.00
Start 3005.0 hold at 2100.0 MD									
2,200.0	12.00	86.00	2,193.4	5.8	83.2	1.4	0.00	0.00	0.00
2,300.0	12.00	86.00	2,291.3	7.3	103.9	1.8	0.00	0.00	0.00
2,400.0	12.00	86.00	2,389.1	8.7	124.7	2.2	0.00	0.00	0.00
2,500.0	12.00	86.00	2,486.9	10.2	145.4	2.5	0.00	0.00	0.00
2,600.0	12.00	86.00	2,584.7	11.6	166.2	2.9	0.00	0.00	0.00
2,700.0	12.00	86.00	2,682.5	13.1	186.9	3.3	0.00	0.00	0.00
2,800.0	12.00	86.00	2,780.3	14.5	207.6	3.6	0.00	0.00	0.00
2,900.0	12.00	86.00	2,878.1	16.0	228.4	4.0	0.00	0.00	0.00
3,000.0	12.00	86.00	2,976.0	17.4	249.1	4.3	0.00	0.00	0.00
3,100.0	12.00	86.00	3,073.8	18.9	269.9	4.7	0.00	0.00	0.00
3,200.0	12.00	86.00	3,171.6	20.3	290.6	5.1	0.00	0.00	0.00
3,300.0	12.00	86.00	3,269.4	21.8	311.3	5.4	0.00	0.00	0.00
3,400.0	12.00	86.00	3,367.2	23.2	332.1	5.8	0.00	0.00	0.00
3,500.0	12.00	86.00	3,465.0	24.7	352.8	6.1	0.00	0.00	0.00
3,600.0	12.00	86.00	3,562.8	26.1	373.6	6.5	0.00	0.00	0.00
3,700.0	12.00	86.00	3,660.7	27.6	394.3	6.9	0.00	0.00	0.00
3,800.0	12.00	86.00	3,758.5	29.0	415.0	7.2	0.00	0.00	0.00
3,900.0	12.00	86.00	3,856.3	30.5	435.8	7.6	0.00	0.00	0.00
4,000.0	12.00	86.00	3,954.1	31.9	456.5	8.0	0.00	0.00	0.00
4,100.0	12.00	86.00	4,051.9	33.4	477.3	8.3	0.00	0.00	0.00
4,200.0	12.00	86.00	4,149.7	34.8	498.0	8.7	0.00	0.00	0.00
4,300.0	12.00	86.00	4,247.5	36.3	518.7	9.0	0.00	0.00	0.00
4,400.0	12.00	86.00	4,345.4	37.7	539.5	9.4	0.00	0.00	0.00
4,500.0	12.00	86.00	4,443.2	39.2	560.2	9.8	0.00	0.00	0.00
4,600.0	12.00	86.00	4,541.0	40.6	581.0	10.1	0.00	0.00	0.00
4,700.0	12.00	86.00	4,638.8	42.1	601.7	10.5	0.00	0.00	0.00
4,800.0	12.00	86.00	4,736.6	43.5	622.4	10.8	0.00	0.00	0.00
4,900.0	12.00	86.00	4,834.4	45.0	643.2	11.2	0.00	0.00	0.00
5,000.0	12.00	86.00	4,932.3	46.4	663.9	11.6	0.00	0.00	0.00
5,105.0	12.00	86.00	5,035.0	47.9	685.7	11.9	0.00	0.00	0.00

ConocoPhillips

Planning Report

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

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Start Drop -1.00									
5,200.0	11.05	86.00	5,128.0	49.3	704.6	12.3	1.00	-1.00	0.00
5,300.0	10.05	86.00	5,226.3	50.6	722.9	12.6	1.00	-1.00	0.00
5,400.0	9.05	86.00	5,325.0	51.7	739.5	12.9	1.00	-1.00	0.00
5,500.0	8.05	86.00	5,423.8	52.7	754.3	13.1	1.00	-1.00	0.00
5,600.0	7.05	86.00	5,523.0	53.7	767.4	13.4	1.00	-1.00	0.00
5,700.0	6.05	86.00	5,622.3	54.5	778.8	13.6	1.00	-1.00	0.00
5,800.0	5.05	86.00	5,721.9	55.1	788.4	13.7	1.00	-1.00	0.00
5,900.0	4.05	86.00	5,821.5	55.7	796.3	13.9	1.00	-1.00	0.00
6,000.0	3.05	86.00	5,921.3	56.1	802.5	14.0	1.00	-1.00	0.00
6,100.0	2.05	86.00	6,021.2	56.4	807.0	14.1	1.00	-1.00	0.00
6,200.0	1.05	86.00	6,121.2	56.6	809.7	14.1	1.00	-1.00	0.00
6,305.0	0.00	0.00	6,226.2	56.7	810.6	14.1	1.00	-1.00	0.00
Start 5034.3 hold at 6305.0 MD									
6,400.0	0.00	0.00	6,321.2	56.7	810.6	14.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,421.2	56.7	810.6	14.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,521.2	56.7	810.6	14.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,621.2	56.7	810.6	14.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,721.2	56.7	810.6	14.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,821.2	56.7	810.6	14.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,921.2	56.7	810.6	14.1	0.00	0.00	0.00
7,100.0	0.00	0.00	7,021.2	56.7	810.6	14.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,121.2	56.7	810.6	14.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,221.2	56.7	810.6	14.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,321.2	56.7	810.6	14.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,421.2	56.7	810.6	14.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,521.2	56.7	810.6	14.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,621.2	56.7	810.6	14.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,721.2	56.7	810.6	14.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,821.2	56.7	810.6	14.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,921.2	56.7	810.6	14.1	0.00	0.00	0.00
8,100.0	0.00	0.00	8,021.2	56.7	810.6	14.1	0.00	0.00	0.00
8,200.0	0.00	0.00	8,121.2	56.7	810.6	14.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,221.2	56.7	810.6	14.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,321.2	56.7	810.6	14.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,421.2	56.7	810.6	14.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,521.2	56.7	810.6	14.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,621.2	56.7	810.6	14.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,721.2	56.7	810.6	14.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,821.2	56.7	810.6	14.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,921.2	56.7	810.6	14.1	0.00	0.00	0.00
9,100.0	0.00	0.00	9,021.2	56.7	810.6	14.1	0.00	0.00	0.00
9,200.0	0.00	0.00	9,121.2	56.7	810.6	14.1	0.00	0.00	0.00
9,300.0	0.00	0.00	9,221.2	56.7	810.6	14.1	0.00	0.00	0.00
9,400.0	0.00	0.00	9,321.2	56.7	810.6	14.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,421.2	56.7	810.6	14.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,521.2	56.7	810.6	14.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,621.2	56.7	810.6	14.1	0.00	0.00	0.00
9,800.0	0.00	0.00	9,721.2	56.7	810.6	14.1	0.00	0.00	0.00
9,900.0	0.00	0.00	9,821.2	56.7	810.6	14.1	0.00	0.00	0.00
10,000.0	0.00	0.00	9,921.2	56.7	810.6	14.1	0.00	0.00	0.00
10,100.0	0.00	0.00	10,021.2	56.7	810.6	14.1	0.00	0.00	0.00
10,200.0	0.00	0.00	10,121.2	56.7	810.6	14.1	0.00	0.00	0.00
10,300.0	0.00	0.00	10,221.2	56.7	810.6	14.1	0.00	0.00	0.00

ConocoPhillips

Planning Report

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

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,400.0	0.00	0.00	10,321.2	56.7	810.6	14.1	0.00	0.00	0.00
10,500.0	0.00	0.00	10,421.2	56.7	810.6	14.1	0.00	0.00	0.00
10,600.0	0.00	0.00	10,521.2	56.7	810.6	14.1	0.00	0.00	0.00
10,700.0	0.00	0.00	10,621.2	56.7	810.6	14.1	0.00	0.00	0.00
10,800.0	0.00	0.00	10,721.2	56.7	810.6	14.1	0.00	0.00	0.00
10,900.0	0.00	0.00	10,821.2	56.7	810.6	14.1	0.00	0.00	0.00
11,000.0	0.00	0.00	10,921.2	56.7	810.6	14.1	0.00	0.00	0.00
11,100.0	0.00	0.00	11,021.2	56.7	810.6	14.1	0.00	0.00	0.00
11,200.0	0.00	0.00	11,121.2	56.7	810.6	14.1	0.00	0.00	0.00
11,300.0	0.00	0.00	11,221.2	56.7	810.6	14.1	0.00	0.00	0.00
11,339.3	0.00	0.00	11,260.5	56.7	810.6	14.1	0.00	0.00	0.00
Start DLS 12.00 TFO 179.63									
11,350.0	1.28	179.63	11,271.2	56.6	810.6	14.2	12.00	12.00	0.00
11,375.0	4.28	179.63	11,296.2	55.4	810.6	15.4	12.00	12.00	0.00
11,400.0	7.28	179.63	11,321.0	52.8	810.6	18.0	12.00	12.00	0.00
11,425.0	10.28	179.63	11,345.7	49.0	810.7	21.8	12.00	12.00	0.00
11,450.0	13.28	179.63	11,370.2	43.9	810.7	26.8	12.00	12.00	0.00
11,475.0	16.28	179.63	11,394.4	37.5	810.7	33.2	12.00	12.00	0.00
11,500.0	19.28	179.63	11,418.2	29.9	810.8	40.8	12.00	12.00	0.00
11,525.0	22.28	179.63	11,441.6	21.0	810.8	49.6	12.00	12.00	0.00
11,550.0	25.28	179.63	11,464.4	11.0	810.9	59.7	12.00	12.00	0.00
11,575.0	28.28	179.63	11,486.7	-0.3	811.0	70.9	12.00	12.00	0.00
11,600.0	31.28	179.63	11,508.4	-12.7	811.1	83.3	12.00	12.00	0.00
11,625.0	34.28	179.63	11,529.5	-26.3	811.2	96.8	12.00	12.00	0.00
11,650.0	37.28	179.63	11,549.7	-40.9	811.2	111.4	12.00	12.00	0.00
11,675.0	40.28	179.63	11,569.2	-56.5	811.3	127.0	12.00	12.00	0.00
11,700.0	43.28	179.63	11,587.9	-73.2	811.5	143.6	12.00	12.00	0.00
11,725.0	46.28	179.63	11,605.6	-90.8	811.6	161.1	12.00	12.00	0.00
11,750.0	49.28	179.63	11,622.4	-109.3	811.7	179.6	12.00	12.00	0.00
11,775.0	52.28	179.63	11,638.2	-128.7	811.8	198.9	12.00	12.00	0.00
11,800.0	55.28	179.63	11,653.0	-148.8	811.9	219.0	12.00	12.00	0.00
11,825.0	58.28	179.63	11,666.7	-169.7	812.1	239.8	12.00	12.00	0.00
11,850.0	61.28	179.63	11,679.3	-191.3	812.2	261.3	12.00	12.00	0.00
11,875.0	64.28	179.63	11,690.7	-213.6	812.4	283.5	12.00	12.00	0.00
11,900.0	67.28	179.63	11,701.0	-236.4	812.5	306.2	12.00	12.00	0.00
11,925.0	70.28	179.63	11,710.0	-259.7	812.7	329.4	12.00	12.00	0.00
11,950.0	73.28	179.63	11,717.8	-283.4	812.8	353.1	12.00	12.00	0.00
11,975.0	76.28	179.63	11,724.4	-307.5	813.0	377.2	12.00	12.00	0.00
12,000.0	79.28	179.63	11,729.7	-332.0	813.1	401.5	12.00	12.00	0.00
12,025.0	82.28	179.63	11,733.7	-356.6	813.3	426.1	12.00	12.00	0.00
12,050.0	85.28	179.63	11,736.4	-381.5	813.5	450.9	12.00	12.00	0.00
12,075.0	88.28	179.63	11,737.8	-406.4	813.6	475.7	12.00	12.00	0.00
12,089.3	90.00	179.63	11,738.0	-420.8	813.7	490.0	12.00	12.00	0.00
Start 9553.5 hold at 12089.3 MD									
12,100.0	90.00	179.63	11,738.0	-431.4	813.8	500.7	0.00	0.00	0.00
12,200.0	90.00	179.63	11,738.0	-531.4	814.4	600.3	0.00	0.00	0.00
12,300.0	90.00	179.63	11,738.0	-631.4	815.1	700.0	0.00	0.00	0.00
12,400.0	90.00	179.63	11,738.0	-731.4	815.7	799.7	0.00	0.00	0.00
12,500.0	90.00	179.63	11,738.0	-831.4	816.4	899.4	0.00	0.00	0.00
12,600.0	90.00	179.63	11,738.0	-931.4	817.0	999.0	0.00	0.00	0.00
12,700.0	90.00	179.63	11,738.0	-1,031.4	817.7	1,098.7	0.00	0.00	0.00
12,800.0	90.00	179.63	11,738.0	-1,131.4	818.3	1,198.4	0.00	0.00	0.00
12,900.0	90.00	179.63	11,738.0	-1,231.4	819.0	1,298.1	0.00	0.00	0.00

ConocoPhillips

Planning Report

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

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.0	90.00	179.63	11,738.0	-1,331.4	819.6	1,397.7	0.00	0.00	0.00
13,100.0	90.00	179.63	11,738.0	-1,431.4	820.3	1,497.4	0.00	0.00	0.00
13,200.0	90.00	179.63	11,738.0	-1,531.4	821.0	1,597.1	0.00	0.00	0.00
13,300.0	90.00	179.63	11,738.0	-1,631.4	821.6	1,696.8	0.00	0.00	0.00
13,400.0	90.00	179.63	11,738.0	-1,731.4	822.3	1,796.4	0.00	0.00	0.00
13,500.0	90.00	179.63	11,738.0	-1,831.4	822.9	1,896.1	0.00	0.00	0.00
13,600.0	90.00	179.63	11,738.0	-1,931.4	823.6	1,995.8	0.00	0.00	0.00
13,700.0	90.00	179.63	11,738.0	-2,031.4	824.2	2,095.5	0.00	0.00	0.00
13,800.0	90.00	179.63	11,738.0	-2,131.4	824.9	2,195.1	0.00	0.00	0.00
13,900.0	90.00	179.63	11,738.0	-2,231.4	825.5	2,294.8	0.00	0.00	0.00
14,000.0	90.00	179.63	11,738.0	-2,331.4	826.2	2,394.5	0.00	0.00	0.00
14,100.0	90.00	179.63	11,738.0	-2,431.4	826.8	2,494.2	0.00	0.00	0.00
14,200.0	90.00	179.63	11,738.0	-2,531.4	827.5	2,593.8	0.00	0.00	0.00
14,300.0	90.00	179.63	11,738.0	-2,631.4	828.1	2,693.5	0.00	0.00	0.00
14,400.0	90.00	179.63	11,738.0	-2,731.4	828.8	2,793.2	0.00	0.00	0.00
14,500.0	90.00	179.63	11,738.0	-2,831.4	829.4	2,892.9	0.00	0.00	0.00
14,600.0	90.00	179.63	11,738.0	-2,931.4	830.1	2,992.5	0.00	0.00	0.00
14,700.0	90.00	179.63	11,738.0	-3,031.4	830.7	3,092.2	0.00	0.00	0.00
14,800.0	90.00	179.63	11,738.0	-3,131.4	831.4	3,191.9	0.00	0.00	0.00
14,900.0	90.00	179.63	11,738.0	-3,231.4	832.0	3,291.6	0.00	0.00	0.00
15,000.0	90.00	179.63	11,738.0	-3,331.4	832.7	3,391.2	0.00	0.00	0.00
15,100.0	90.00	179.63	11,738.0	-3,431.4	833.3	3,490.9	0.00	0.00	0.00
15,200.0	90.00	179.63	11,738.0	-3,531.4	834.0	3,590.6	0.00	0.00	0.00
15,300.0	90.00	179.63	11,738.0	-3,631.4	834.6	3,690.3	0.00	0.00	0.00
15,400.0	90.00	179.63	11,738.0	-3,731.4	835.3	3,789.9	0.00	0.00	0.00
15,500.0	90.00	179.63	11,738.0	-3,831.4	835.9	3,889.6	0.00	0.00	0.00
15,600.0	90.00	179.63	11,738.0	-3,931.4	836.6	3,989.3	0.00	0.00	0.00
15,700.0	90.00	179.63	11,738.0	-4,031.4	837.2	4,089.0	0.00	0.00	0.00
15,800.0	90.00	179.63	11,738.0	-4,131.4	837.9	4,188.6	0.00	0.00	0.00
15,900.0	90.00	179.63	11,738.0	-4,231.4	838.5	4,288.3	0.00	0.00	0.00
16,000.0	90.00	179.63	11,738.0	-4,331.4	839.2	4,388.0	0.00	0.00	0.00
16,100.0	90.00	179.63	11,738.0	-4,431.4	839.8	4,487.7	0.00	0.00	0.00
16,200.0	90.00	179.63	11,738.0	-4,531.4	840.5	4,587.3	0.00	0.00	0.00
16,300.0	90.00	179.63	11,738.0	-4,631.3	841.1	4,687.0	0.00	0.00	0.00
16,400.0	90.00	179.63	11,738.0	-4,731.3	841.8	4,786.7	0.00	0.00	0.00
16,500.0	90.00	179.63	11,738.0	-4,831.3	842.4	4,886.3	0.00	0.00	0.00
16,600.0	90.00	179.63	11,738.0	-4,931.3	843.1	4,986.0	0.00	0.00	0.00
16,700.0	90.00	179.63	11,738.0	-5,031.3	843.7	5,085.7	0.00	0.00	0.00
16,800.0	90.00	179.63	11,738.0	-5,131.3	844.4	5,185.4	0.00	0.00	0.00
16,900.0	90.00	179.63	11,738.0	-5,231.3	845.0	5,285.0	0.00	0.00	0.00
17,000.0	90.00	179.63	11,738.0	-5,331.3	845.7	5,384.7	0.00	0.00	0.00
17,100.0	90.00	179.63	11,738.0	-5,431.3	846.3	5,484.4	0.00	0.00	0.00
17,200.0	90.00	179.63	11,738.0	-5,531.3	847.0	5,584.1	0.00	0.00	0.00
17,300.0	90.00	179.63	11,738.0	-5,631.3	847.6	5,683.7	0.00	0.00	0.00
17,400.0	90.00	179.63	11,738.0	-5,731.3	848.3	5,783.4	0.00	0.00	0.00
17,500.0	90.00	179.63	11,738.0	-5,831.3	848.9	5,883.1	0.00	0.00	0.00
17,600.0	90.00	179.63	11,738.0	-5,931.3	849.6	5,982.8	0.00	0.00	0.00
17,700.0	90.00	179.63	11,738.0	-6,031.3	850.2	6,082.4	0.00	0.00	0.00
17,800.0	90.00	179.63	11,738.0	-6,131.3	850.9	6,182.1	0.00	0.00	0.00
17,900.0	90.00	179.63	11,738.0	-6,231.3	851.5	6,281.8	0.00	0.00	0.00
18,000.0	90.00	179.63	11,738.0	-6,331.3	852.2	6,381.5	0.00	0.00	0.00
18,100.0	90.00	179.63	11,738.0	-6,431.3	852.8	6,481.1	0.00	0.00	0.00
18,200.0	90.00	179.63	11,738.0	-6,531.3	853.5	6,580.8	0.00	0.00	0.00
18,300.0	90.00	179.63	11,738.0	-6,631.3	854.1	6,680.5	0.00	0.00	0.00

ConocoPhillips

Planning Report

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

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,400.0	90.00	179.63	11,738.0	-6,731.3	854.8	6,780.2	0.00	0.00	0.00
18,500.0	90.00	179.63	11,738.0	-6,831.3	855.5	6,879.8	0.00	0.00	0.00
18,600.0	90.00	179.63	11,738.0	-6,931.3	856.1	6,979.5	0.00	0.00	0.00
18,700.0	90.00	179.63	11,738.0	-7,031.3	856.8	7,079.2	0.00	0.00	0.00
18,800.0	90.00	179.63	11,738.0	-7,131.3	857.4	7,178.9	0.00	0.00	0.00
18,900.0	90.00	179.63	11,738.0	-7,231.3	858.1	7,278.5	0.00	0.00	0.00
19,000.0	90.00	179.63	11,738.0	-7,331.3	858.7	7,378.2	0.00	0.00	0.00
19,100.0	90.00	179.63	11,738.0	-7,431.3	859.4	7,477.9	0.00	0.00	0.00
19,200.0	90.00	179.63	11,738.0	-7,531.3	860.0	7,577.6	0.00	0.00	0.00
19,300.0	90.00	179.63	11,738.0	-7,631.3	860.7	7,677.2	0.00	0.00	0.00
19,400.0	90.00	179.63	11,738.0	-7,731.3	861.3	7,776.9	0.00	0.00	0.00
19,500.0	90.00	179.63	11,738.0	-7,831.3	862.0	7,876.6	0.00	0.00	0.00
19,600.0	90.00	179.63	11,738.0	-7,931.3	862.6	7,976.3	0.00	0.00	0.00
19,700.0	90.00	179.63	11,738.0	-8,031.3	863.3	8,075.9	0.00	0.00	0.00
19,800.0	90.00	179.63	11,738.0	-8,131.3	863.9	8,175.6	0.00	0.00	0.00
19,900.0	90.00	179.63	11,738.0	-8,231.3	864.6	8,275.3	0.00	0.00	0.00
20,000.0	90.00	179.63	11,738.0	-8,331.3	865.2	8,375.0	0.00	0.00	0.00
20,100.0	90.00	179.63	11,738.0	-8,431.3	865.9	8,474.6	0.00	0.00	0.00
20,200.0	90.00	179.63	11,738.0	-8,531.3	866.5	8,574.3	0.00	0.00	0.00
20,300.0	90.00	179.63	11,738.0	-8,631.3	867.2	8,674.0	0.00	0.00	0.00
20,400.0	90.00	179.63	11,738.0	-8,731.3	867.8	8,773.7	0.00	0.00	0.00
20,500.0	90.00	179.63	11,738.0	-8,831.3	868.5	8,873.3	0.00	0.00	0.00
20,600.0	90.00	179.63	11,738.0	-8,931.3	869.1	8,973.0	0.00	0.00	0.00
20,700.0	90.00	179.63	11,738.0	-9,031.3	869.8	9,072.7	0.00	0.00	0.00
20,800.0	90.00	179.63	11,738.0	-9,131.3	870.4	9,172.4	0.00	0.00	0.00
20,900.0	90.00	179.63	11,738.0	-9,231.3	871.1	9,272.0	0.00	0.00	0.00
21,000.0	90.00	179.63	11,738.0	-9,331.2	871.7	9,371.7	0.00	0.00	0.00
21,100.0	90.00	179.63	11,738.0	-9,431.2	872.4	9,471.4	0.00	0.00	0.00
21,200.0	90.00	179.63	11,738.0	-9,531.2	873.0	9,571.1	0.00	0.00	0.00
21,300.0	90.00	179.63	11,738.0	-9,631.2	873.7	9,670.7	0.00	0.00	0.00
21,400.0	90.00	179.63	11,738.0	-9,731.2	874.3	9,770.4	0.00	0.00	0.00
21,500.0	90.00	179.63	11,738.0	-9,831.2	875.0	9,870.1	0.00	0.00	0.00
21,600.0	90.00	179.63	11,738.0	-9,931.2	875.6	9,969.8	0.00	0.00	0.00
21,642.9	90.00	179.63	11,738.0	-9,974.1	875.9	10,012.5	0.00	0.00	0.00
Start 50.0 hold at 21642.9 MD									
21,692.9	90.00	179.63	11,738.0	-10,024.1	876.2	10,062.3	0.00	0.00	0.00
TD at 21692.9									

ConocoPhillips
Planning Report

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

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

Casing Points					
	Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
	1,500.0	1,500.0	DB SURF 10-3/4"	10-3/4	14-3/4
	11,339.3	11,260.5	DB INT 7-5/8"	7-5/8	9-7/8
	21,692.9	11,738.0	DB PROD 5 1/2"	5-1/2	6-3/4

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

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

CONDITIONS

Action 315653

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 315653
	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