

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER 1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other 1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		5. Lease Serial No. 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No.
2. Name of Operator		9. API Well No. 30-025-53234
3a. Address	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.
2. A Drilling Plan.
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). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
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)



Additional Operator Remarks

Location of Well

0. SHL: SWNW / 2615 FNL / 1012 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0283364 / LONG: -103.7024981 (TVD: 0 feet, MD: 0 feet)

PPP: SWNW / 2620 FNL / 2070 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0283298 / LONG: -103.6990842 (TVD: 11755 feet, MD: 11905 feet)

BHL: NENW / 50 FNL / 2070 FWL / TWSP: 26S / RANGE: 32E / SECTION: 17 / LAT: 32.0500814 / LONG: -103.6991694 (TVD: 11915 feet, MD: 19690 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 30-025-53234	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 706H
7 OGRID No. 217817	8 Operator Name CONOCOPHILLIPS COMPANY	9 Elevation 3175.07'

¹⁰ Surface Location

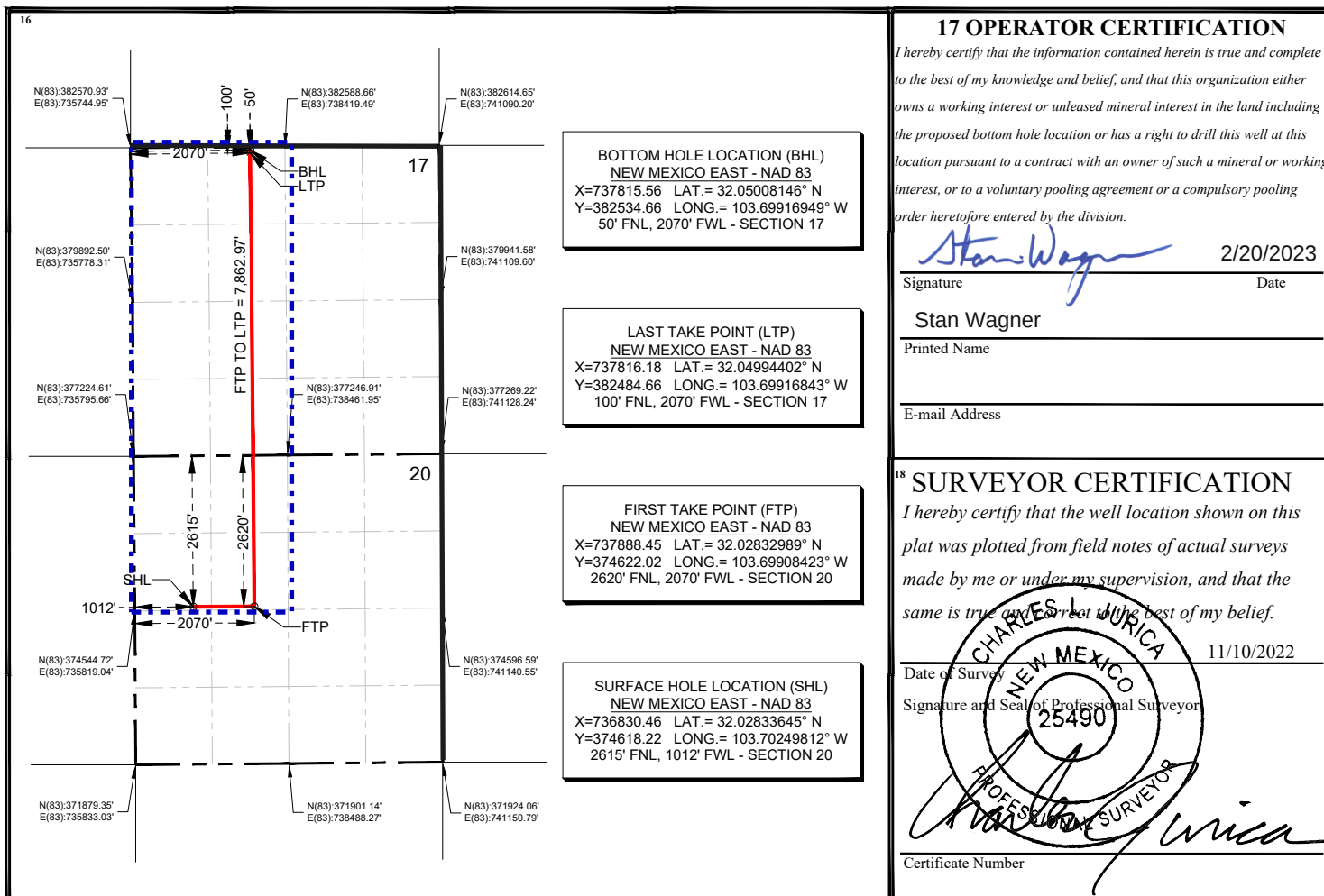
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	26-S	32-E		2615'	NORTH	1012'	WEST	LEA

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
C	17	26-S	32-E		50'	NORTH	2070'	WEST	LEA

12 Dedicated Acres 480	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.



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: 01/30/2023

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 701H	30-025-	E-20-26S-32E	2530 FNL & 887 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 702H	30-025-	E-20-26S-32E	2547 FNL & 912 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 703H	30-025-	E-20-26S-32E	2564 FNL & 937 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 704H	30-025-	E-20-26S-32E	2581 FNL & 962 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 705H	30-025-	E-20-26S-32E	2598 FNL & 987 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 706H	30-025-	E-20-26S-32E	2615 FNL & 1012 FWL	± 2245	± 6736	± 5165
Zia Hills Unit 2032 WC 707H	30-025-	E-20-26S-32E	2632 FNL & 1037 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 701H-707H	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: 01/30/2023
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 706H

1. Geologic Formations

TVD of target	11,915' EOL	Pilot hole depth	NA
MD at TD:	19,690'	Deepest expected fresh water:	314'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1265	Water	
Top of Salt	1559	Salt	
Base of Salt	4096	Salt	
Lamar	4313	Salt Water	
Bell Canyon	4347	Salt Water	
Cherry Canyon	5232	Oil/Gas	
Brushy Canyon	6724	Oil/Gas	
Bone Spring Shale	8323	Oil/Gas	
1st Bone Spring Sand	9305	Oil/Gas	
2nd Bone Spring Sand	9985	Oil/Gas	
3rd Bone Spring Sand	11133	Oil/Gas	
Wolfcamp	11550	Oil/Gas	
Wolfcamp A	11758	Target	
Wolfcamp B	12063	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.11	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.45	1.12	2.88	2.90
8.750"	8500	11132	7.625"	29.7	P110-ICY	W513	1.38	1.69	3.23	1.94
6.75"	0	10632	5.5"	23	P110-CY	BTC	2.10	2.48	2.98	2.98
6.75"	10632	19,690	5.5"	23	P110-CY	W441	1.88	2.22	2.66	2.42
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

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

ConocoPhillips Company - Zia Hills Unit 2032 WC 706H

	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 706H

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
	762	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 706H

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 706H

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 706H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7745 psi at 11915' 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	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

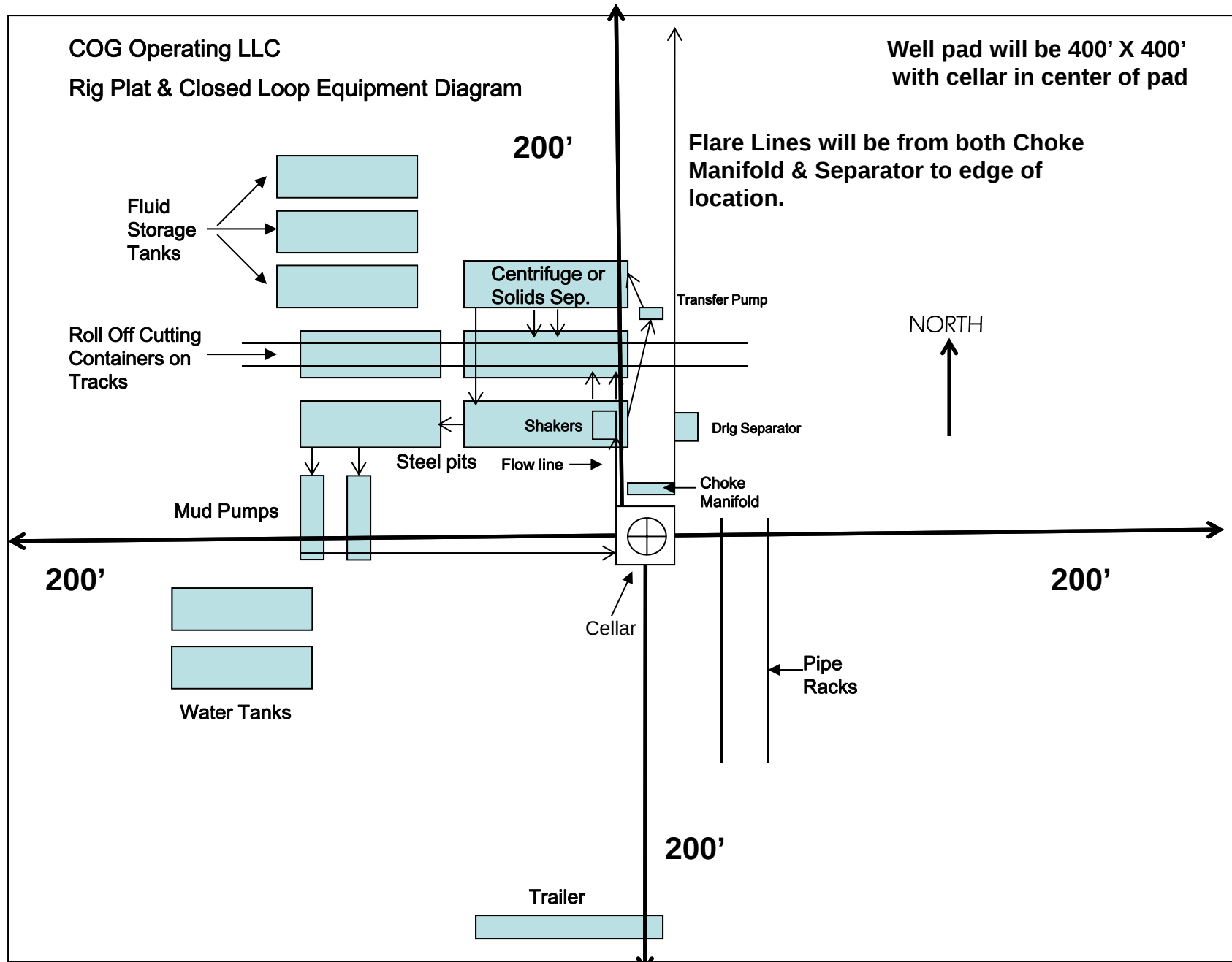


Exhibit 1

"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 #706H

OWB

PWP0

Anticollision Report

24 January, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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	1/24/2023		
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	11,557.0	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
11,557.0	19,690.7	PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
BUCK 20 FEDERAL #3H (P&A) - OWB - AWP	9,306.0	11,290.2	251.5	182.2	3.630	CC, ES, SF
BUCK 20 FEDERAL #6H (P&A) - OWB - AWP	8,919.2	11,040.0	936.9	856.7	11.688	CC, ES, SF
RED HILLS WEST UNIT #8H - OWB - AWP	19,690.7	11,875.6	264.9	176.0	2.979	CC, ES, SF
RUSSELL FEDERAL #10 - OWB - AWP	1,839.6	1,854.8	964.7	911.6	18.164	CC
RUSSELL FEDERAL #10 - OWB - AWP	2,600.0	2,597.6	978.2	897.1	12.062	ES
RUSSELL FEDERAL #10 - OWB - AWP	3,000.0	2,998.6	999.7	903.4	10.377	SF
RUSSELL FEDERAL #12 - OWB - AWP	1,439.6	1,442.5	708.1	670.4	18.762	CC
RUSSELL FEDERAL #12 - OWB - AWP	1,600.0	1,601.6	710.0	667.5	16.702	ES
RUSSELL FEDERAL #12 - OWB - AWP	3,000.0	2,973.1	981.6	881.1	9.769	SF
RUSSELL FEDERAL #2 - OWB - AWP						Out of range
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	4,368.2	4,304.8	416.3	251.7	2.529	CC
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	4,400.0	4,331.1	416.6	250.0	2.501	ES, SF
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2	11,505.7	11,419.3	824.5	777.2	17.430	CC
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2	19,690.7	19,520.9	845.6	716.9	6.573	ES, SF
ZIA HILLS 20 FEDERAL COM #102H - OWB - PWP2						Out of range
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	11,156.5	11,061.2	904.0	857.7	19.499	CC, ES
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	11,300.0	11,186.7	905.3	858.8	19.470	SF
ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP						Out of range
ZIA HILLS 20 FEDERAL COM #106H - ST01 - AWP						Out of range
ZIA HILLS 20 FEDERAL COM #107H - OWB - AWP						Out of range
ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP						Out of range

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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)		Separation Factor	Warning
Offset Well - Wellbore - Design				Between Ellipses (usft)		
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,500.0	1,498.0	151.2	141.0	14.898	CC, ES, SF
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	1,500.0	1,498.0	121.0	110.8	11.924	CC, ES, SF
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	1,500.0	1,499.0	90.7	80.6	8.940	CC, ES, SF
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	1,500.0	1,499.0	60.5	50.3	5.958	CC
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	1,800.0	1,803.8	61.0	50.0	5.545	ES
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	1,900.0	1,903.8	62.9	51.4	5.496	SF
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,500.0	1,500.0	30.3	20.1	2.982	CC
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	2,000.0	2,004.1	30.9	19.0	2.586	ES, SF
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,500.0	1,500.0	30.2	20.1	2.978	CC
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	2,200.0	2,194.0	31.5	18.5	2.428	ES, SF
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	1,500.0	1,498.0	250.6	240.6	24.990	CC, ES, SF
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	1,500.0	1,499.0	233.9	223.8	23.219	CC, ES, SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	1,500.0	1,500.0	220.0	209.9	21.713	CC, ES
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	1,800.0	1,799.5	233.9	222.9	21.411	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,919.6	1,944.1	206.9	195.2	17.631	CC, ES
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	4,400.0	4,400.0	425.9	395.3	13.913	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	2,110.4	2,140.8	199.9	187.4	15.900	CC, ES
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	5,400.0	5,414.3	293.4	254.5	7.544	SF
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	6,893.3	6,911.6	182.0	150.5	5.776	CC
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	11,557.0	11,574.6	185.4	147.4	4.890	ES, SF
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	3,337.3	3,362.0	200.9	183.6	11.636	CC
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	4,000.0	4,024.3	202.3	182.2	10.051	ES
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	6,700.0	6,719.5	281.3	239.5	6.725	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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
BUCK 20 FEDERAL #3H (P&A) - OWB - AWP	19,690.7	8,919.0				Out of Range @TD
BUCK 20 FEDERAL #6H (P&A) - OWB - AWP	19,690.7	8,560.0				Out of Range @TD
RED HILLS WEST UNIT #8H - OWB - AWP	19,690.7	11,875.6	264.9	176.0	2.979	CC, ES, SF
RUSSELL FEDERAL #10 - OWB - AWP	19,690.7	4,500.0				Out of Range @TD
RUSSELL FEDERAL #12 - OWB - AWP	19,690.7	4,335.0				Out of Range @TD
RUSSELL FEDERAL #2 - OWB - AWP	19,690.7	4,351.0				Out of Range @TD
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	19,690.7	4,378.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2	19,690.7	19,520.9	845.6	716.9	6.573	ES, SF
ZIA HILLS 20 FEDERAL COM #102H - OWB - PWP2	19,690.7	19,336.6				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	19,690.7	11,211.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP	19,690.7	11,817.6				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #106H - ST01 - AWP	19,690.7	11,259.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #107H - OWB - AWP	19,690.7	11,023.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP	19,690.7	11,211.0				Out of Range @TD
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	19,690.7	19,476.1				Out of Range @TD
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	19,690.7	19,647.9				Out of Range @TD
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	19,690.7	19,450.5				Out of Range @TD
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	19,690.7	19,562.7	820.0	691.5	6.381	
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	19,690.7	19,424.0	446.2	316.4	3.437	
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	19,690.7	19,638.4	445.8	310.4	3.294	
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	19,690.7	11,413.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	19,690.7	11,500.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	19,690.7	11,300.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	19,690.7	11,500.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	19,690.7	11,375.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	19,690.7	11,600.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	19,690.7	11,500.0				Out of Range @TD

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				Semi Major Axis		Rule Assigned:				Offset Well Error: 3.0 usft													
Reference Measured		Vertical		Measured		Vertical		Reference		Offset		Highside		Toolface		Offset Wellbore Centre		Distance		Rule Assigned:		Warning					
Depth (usft)		Depth (usft)		Depth (usft)		Depth (usft)		(usft)		(usft)		Toolface (°)				+N/-S (usft)		+E/-W (usft)		Between Centres (usft)		Between Ellipses (usft)		Minimum Separation (usft)		Separation Factor	
8,400.0		8,280.5		11,310.1		9,206.0		26.9		41.7		93.40				40.5		1,309.2		940.0		897.8		42.19		22.281	
8,500.0		8,380.5		11,308.3		9,206.1		27.0		41.6		92.99				42.3		1,309.1		844.1		801.2		42.87		19.692	
8,600.0		8,480.5		11,306.4		9,206.1		27.0		41.6		92.56				44.2		1,309.1		749.3		705.5		43.75		17.126	

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 #706H
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 #706H	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		
8,700.0	8,580.5	11,304.4	9,206.2	27.0	41.6	92.11	46.1	1,309.1	655.9	611.0	44.95	14.591		
8,800.0	8,680.5	11,302.4	9,206.2	27.1	41.5	91.64	48.2	1,309.0	564.9	518.2	46.66	12.108		
8,900.0	8,780.5	11,300.2	9,206.3	27.1	41.5	91.15	50.4	1,309.0	477.5	428.3	49.16	9.713		
9,000.0	8,880.5	11,297.9	9,206.3	27.1	41.5	90.63	52.7	1,309.0	396.0	343.1	52.91	7.485		
9,100.0	8,980.5	11,295.5	9,206.4	27.2	41.4	90.08	55.1	1,308.9	325.0	266.7	58.35	5.571		
9,200.0	9,080.5	11,293.0	9,206.4	27.2	41.4	89.51	57.6	1,308.9	272.9	207.9	64.94	4.202		
9,300.0	9,180.5	11,290.3	9,206.5	27.2	41.4	88.90	60.2	1,308.8	251.5	182.3	69.20	3.635		
9,306.0	9,186.5	11,290.2	9,206.5	27.2	41.4	88.86	60.4	1,308.8	251.5	182.2	69.28	3.630 CC, ES, SF		
9,400.0	9,280.5	11,287.5	9,206.6	27.3	41.3	88.26	63.0	1,308.8	268.4	201.0	67.44	3.981		
9,500.0	9,380.5	11,284.6	9,206.7	27.3	41.3	87.59	66.0	1,308.7	317.5	255.4	62.12	5.112		
9,600.0	9,480.5	11,281.4	9,206.8	27.3	41.2	86.87	69.2	1,308.6	386.8	329.6	57.14	6.769		
9,700.0	9,580.5	11,278.1	9,206.8	27.4	41.2	86.11	72.5	1,308.6	467.3	413.7	53.57	8.723		
9,800.0	9,680.5	11,276.0	9,206.9	27.4	41.1	85.64	74.6	1,308.5	554.1	502.9	51.22	10.819		
9,900.0	9,780.5	11,272.2	9,207.0	27.4	41.1	84.77	78.4	1,308.4	644.8	595.1	49.66	12.985		
10,000.0	9,880.5	11,269.5	9,207.1	27.5	41.0	84.17	81.0	1,308.4	737.9	689.2	48.65	15.167		
10,100.0	9,980.5	11,266.9	9,207.2	27.5	41.0	83.59	83.6	1,308.3	832.5	784.5	47.99	17.348		
10,200.0	10,080.5	11,264.5	9,207.2	27.5	41.0	83.03	86.1	1,308.2	928.3	880.7	47.57	19.513		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - BUCK 20 FEDERAL #6H (P&A) - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 200-GYD-CT-CMS, 1011-MWD - OWSG R1													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
8,600.0	8,480.5	11,040.0	8,817.7	27.0	50.5	89.84	58.0	1,994.3	989.8	914.5	75.31	13.142		
8,700.0	8,580.5	11,040.0	8,817.7	27.0	50.5	89.84	58.0	1,994.3	962.2	884.8	77.40	12.431		
8,800.0	8,680.5	11,040.0	8,817.7	27.1	50.5	89.84	58.0	1,994.3	944.5	865.4	79.02	11.952		
8,900.0	8,780.5	11,040.0	8,817.7	27.1	50.5	89.84	58.0	1,994.3	937.1	857.1	80.04	11.709		
8,919.2	8,799.7	11,040.0	8,817.7	27.1	50.5	89.84	58.0	1,994.3	936.9	856.7	80.16	11.688	CC, ES, SF	
9,000.0	8,880.5	11,040.0	8,817.7	27.1	50.5	89.84	58.0	1,994.3	940.4	860.0	80.39	11.697		
9,100.0	8,980.5	11,040.0	8,817.7	27.2	50.5	89.84	58.0	1,994.3	954.2	874.1	80.09	11.913		
9,200.0	9,080.5	11,061.0	8,818.7	27.2	50.8	91.12	37.0	1,994.0	977.7	898.3	79.43	12.308		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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 - RED HILLS WEST UNIT #8H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100-GYRO-NS, 1131-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		
18,900.0	11,915.0	11,685.8	11,680.3	61.3	37.8	33.65	8,009.1	1,166.3	940.9	876.0	64.91	14.495		
19,000.0	11,915.0	11,703.0	11,696.6	62.0	37.8	35.29	8,014.4	1,166.1	847.6	781.9	65.72	12.898		
19,100.0	11,915.0	11,717.1	11,710.0	62.7	37.9	36.73	8,019.0	1,166.0	755.4	688.6	66.83	11.304		
19,200.0	11,915.0	11,735.0	11,726.8	63.4	37.9	38.70	8,025.1	1,165.9	664.5	596.3	68.24	9.738		
19,300.0	11,915.0	11,762.4	11,752.3	64.0	38.0	42.07	8,035.0	1,165.6	575.3	505.4	69.89	8.231		
19,400.0	11,915.0	11,786.8	11,774.8	64.7	38.1	45.43	8,044.3	1,165.3	488.3	415.9	72.40	6.745		
19,500.0	11,915.0	11,812.5	11,798.3	65.4	38.2	49.41	8,055.0	1,164.9	405.0	328.8	76.15	5.318		
19,600.0	11,915.0	11,842.0	11,824.5	66.1	38.2	54.49	8,068.4	1,164.3	327.4	245.6	81.76	4.004		
19,640.7	11,915.0	11,855.9	11,836.5	66.4	38.3	57.06	8,075.3	1,163.9	298.2	213.4	84.73	3.519		
19,690.7	11,915.0	11,875.6	11,853.3	66.7	38.3	60.91	8,085.6	1,163.2	264.9	176.0	88.91	2.979 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 #706H
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 #706H	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 #10 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 250-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
0.0	0.0	15.8	15.8	3.0	3.0	-1.81	964.5	-30.4	964.9	958.0	6.90	139.929	
100.0	100.0	115.8	115.8	3.1	3.2	-1.81	964.5	-30.4	964.9	957.7	7.20	134.034	
200.0	200.0	215.8	215.8	3.2	3.6	-1.81	964.5	-30.4	964.9	957.2	7.74	124.632	
300.0	300.0	315.8	315.8	3.4	4.7	-1.81	964.5	-30.4	964.9	955.9	9.00	107.258	
400.0	400.0	417.2	417.2	3.5	6.3	-1.81	964.7	-30.4	965.2	954.2	10.97	87.953	
500.0	500.0	515.8	515.8	3.6	8.0	-1.81	964.5	-30.4	964.9	951.8	13.18	73.229	
600.0	600.0	615.8	615.8	3.7	9.8	-1.81	964.5	-30.4	964.9	949.3	15.62	61.759	
700.0	700.0	715.8	715.8	3.9	11.7	-1.81	964.5	-30.4	964.9	946.8	18.16	53.128	
800.0	800.0	817.7	817.7	4.0	13.6	-1.80	965.2	-30.4	965.7	944.9	20.80	46.416	
900.0	900.0	920.4	920.3	4.1	15.6	-1.81	964.9	-30.4	965.3	941.8	23.51	41.069	
1,000.0	1,000.0	1,015.9	1,015.8	4.2	17.5	-1.81	964.5	-30.4	964.9	938.9	26.09	36.983	
1,100.0	1,100.0	1,120.2	1,120.1	4.3	19.7	-1.81	964.6	-30.4	965.1	936.0	29.07	33.197	
1,196.9	1,196.9	1,212.8	1,212.7	4.5	21.8	-1.81	964.5	-30.4	964.9	933.0	31.96	30.189	
1,200.0	1,200.0	1,215.9	1,215.8	4.5	21.8	-1.81	964.5	-30.4	964.9	932.9	32.06	30.095	
1,300.0	1,300.0	1,315.9	1,315.8	4.6	24.2	-1.81	964.5	-30.4	964.9	929.7	35.29	27.344	
1,400.0	1,400.0	1,416.8	1,416.7	4.7	26.5	-1.80	965.8	-30.4	966.3	927.9	38.42	25.148	
1,500.0	1,500.0	1,521.2	1,521.1	4.8	29.0	-1.80	965.5	-30.4	966.0	924.2	41.81	23.103	
1,600.0	1,600.0	1,625.7	1,625.5	4.9	31.4	-88.93	964.7	-30.4	965.2	920.2	44.99	21.450	
1,700.0	1,699.8	1,715.9	1,715.6	5.1	33.7	-89.22	964.5	-30.4	964.8	916.7	48.16	20.036	
1,800.0	1,799.5	1,815.5	1,815.3	5.3	36.2	-89.74	964.5	-30.4	964.7	913.0	51.71	18.657	
1,839.6	1,838.8	1,854.8	1,854.6	5.4	37.2	-90.00	964.5	-30.4	964.7	911.6	53.11	18.164 CC	
1,900.0	1,898.7	1,915.8	1,915.5	5.6	38.8	-90.46	966.1	-30.4	966.4	911.1	55.29	17.479	
2,000.0	1,997.5	2,019.8	2,019.6	5.9	41.5	-91.43	965.7	-30.4	966.3	907.3	59.01	16.376	
2,100.0	2,095.6	2,123.3	2,123.0	6.3	44.1	-92.61	964.7	-30.4	966.0	903.3	62.70	15.407	
2,133.5	2,128.3	2,157.8	2,157.5	6.4	45.0	-93.05	964.3	-30.4	965.9	902.0	63.93	15.108	
2,200.0	2,193.1	2,209.3	2,208.9	6.6	46.5	-93.74	964.5	-30.4	966.9	900.9	65.99	14.653	
2,300.0	2,290.1	2,306.3	2,305.9	6.9	49.2	-95.13	964.5	-30.4	968.8	899.1	69.77	13.887	
2,400.0	2,387.1	2,407.3	2,406.8	7.3	52.0	-96.55	965.9	-30.4	972.8	899.1	73.70	13.199	
2,500.0	2,484.1	2,511.8	2,511.3	7.6	54.9	-98.03	965.1	-30.4	975.2	897.4	77.77	12.539	
2,600.0	2,581.2	2,597.6	2,597.0	8.0	57.3	-99.24	964.5	-30.4	978.2	897.1	81.09	12.062 ES	
2,700.0	2,678.2	2,694.7	2,694.0	8.3	59.9	-100.59	964.5	-30.4	982.5	897.7	84.78	11.588	
2,800.0	2,775.2	2,791.7	2,791.0	8.7	62.6	-101.93	964.5	-30.4	987.4	898.9	88.48	11.160	
2,900.0	2,872.3	2,894.6	2,893.9	9.1	65.4	-103.31	966.4	-30.4	994.6	902.2	92.39	10.766	
3,000.0	2,969.3	2,998.6	2,997.9	9.5	68.2	-104.73	965.4	-30.4	999.7	903.4	96.34	10.377 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 #706H
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 #706H	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		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	3.1	3.1	3.0	3.0	-106.08	-196.2	-680.8	708.5	701.6	6.89	102.789	
100.0	100.0	103.1	103.1	3.1	3.1	-106.08	-196.2	-680.8	708.5	701.3	7.15	99.108	
200.0	200.0	203.1	203.1	3.2	3.5	-106.08	-196.2	-680.8	708.5	700.9	7.63	92.877	
300.0	300.0	303.1	303.1	3.4	4.1	-106.08	-196.2	-680.8	708.5	700.1	8.33	85.006	
400.0	400.0	403.1	403.1	3.5	5.5	-106.08	-196.2	-680.8	708.5	698.5	9.99	70.927	
441.5	441.5	444.6	444.6	3.5	6.1	-106.06	-196.0	-680.8	708.4	697.7	10.78	65.704	
500.0	500.0	502.9	502.9	3.6	7.0	-106.07	-196.0	-680.8	708.4	696.5	11.97	59.181	
600.0	600.0	603.1	603.1	3.7	8.7	-106.08	-196.2	-680.8	708.5	694.3	14.16	50.043	
700.0	700.0	703.1	703.1	3.9	10.5	-106.08	-196.2	-680.8	708.5	691.9	16.60	42.692	
734.1	734.1	737.1	737.1	3.9	11.2	-106.05	-195.9	-680.8	708.4	691.0	17.44	40.612	
800.0	800.0	802.7	802.7	4.0	12.4	-106.06	-196.0	-680.8	708.4	689.3	19.10	37.098	
900.0	900.0	903.1	903.1	4.1	14.3	-106.08	-196.2	-680.8	708.5	686.7	21.74	32.589	
1,000.0	1,000.0	1,003.1	1,003.1	4.2	16.4	-106.08	-196.2	-680.8	708.5	683.9	24.60	28.801	
1,031.4	1,031.4	1,034.3	1,034.3	4.3	17.1	-106.03	-195.6	-680.8	708.3	682.8	25.50	27.780	
1,100.0	1,100.0	1,102.1	1,102.1	4.3	18.5	-106.04	-195.8	-680.8	708.4	680.9	27.46	25.799	
1,200.0	1,200.0	1,203.2	1,203.1	4.5	20.7	-106.08	-196.2	-680.8	708.5	678.1	30.33	23.356	
1,300.0	1,300.0	1,303.2	1,303.1	4.6	22.9	-106.08	-196.2	-680.8	708.5	675.1	33.42	21.198	
1,400.0	1,400.0	1,403.2	1,403.1	4.7	25.2	-106.08	-196.2	-680.8	708.5	672.0	36.52	19.399	
1,439.6	1,439.6	1,442.5	1,442.4	4.7	26.1	-105.97	-194.8	-680.8	708.1	670.4	37.74	18.762 CC	
1,500.0	1,500.0	1,502.4	1,502.3	4.8	27.4	-105.98	-195.0	-680.8	708.2	668.6	39.60	17.881	
1,600.0	1,600.0	1,601.6	1,601.5	4.9	29.6	-166.99	-195.6	-680.8	710.0	667.5	42.51	16.702 ES	
1,700.0	1,699.8	1,703.1	1,702.9	5.1	32.1	167.02	-196.2	-680.8	715.3	669.3	45.98	15.556	
1,800.0	1,799.5	1,802.0	1,801.8	5.3	34.8	167.17	-195.7	-680.8	723.6	673.9	49.72	14.556	
1,900.0	1,898.7	1,902.1	1,901.8	5.6	37.6	167.30	-196.2	-680.8	735.7	682.0	53.63	13.717	
2,000.0	1,997.5	1,998.5	1,998.1	5.9	40.5	167.53	-195.6	-680.8	750.8	693.1	57.71	13.011	
2,100.0	2,095.6	2,099.2	2,098.7	6.3	43.6	167.72	-196.2	-680.8	769.6	707.6	62.02	12.408	
2,200.0	2,193.1	2,196.1	2,195.6	6.6	46.5	168.06	-195.0	-680.8	791.3	725.1	66.22	11.950	
2,300.0	2,290.1	2,290.9	2,290.4	6.9	49.5	168.34	-195.8	-680.8	815.2	744.9	70.31	11.595	
2,400.0	2,387.1	2,390.9	2,390.2	7.3	52.6	168.66	-196.2	-680.8	839.0	764.4	74.69	11.234	
2,500.0	2,484.1	2,487.9	2,487.2	7.6	55.6	168.97	-196.2	-680.8	862.8	783.8	78.97	10.926	
2,600.0	2,581.2	2,584.4	2,583.7	8.0	58.7	169.44	-193.6	-680.8	886.0	802.8	83.22	10.646	
2,700.0	2,678.2	2,679.8	2,679.0	8.3	61.7	169.67	-194.3	-680.8	910.0	822.5	87.44	10.407	
2,800.0	2,775.2	2,775.2	2,774.3	8.7	64.7	169.84	-195.8	-680.8	934.1	842.5	91.65	10.192	
2,900.0	2,872.3	2,876.4	2,875.4	9.1	67.9	170.08	-196.2	-680.8	958.1	861.9	96.16	9.963	
3,000.0	2,969.3	2,973.1	2,972.0	9.5	70.9	170.40	-194.8	-680.8	981.6	881.1	100.49	9.769 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 #706H
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 #706H	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	120.62	-384.3	649.2	754.4	747.4	6.98	108.044	
100.0	100.0	110.0	110.0	3.1	3.2	120.62	-384.3	649.2	754.4	747.3	7.11	106.066	
200.0	200.0	210.0	210.0	3.2	3.6	120.62	-384.3	649.2	754.4	746.8	7.64	98.758	
300.0	300.0	310.0	310.0	3.4	4.1	120.62	-384.3	649.2	754.4	746.1	8.35	90.299	
400.0	400.0	410.0	410.0	3.5	4.8	120.62	-384.3	649.2	754.4	745.2	9.21	81.906	
500.0	500.0	510.0	510.0	3.6	5.7	120.62	-384.3	649.2	754.4	744.1	10.27	73.488	
600.0	600.0	610.0	610.0	3.7	7.4	120.62	-384.3	649.2	754.4	742.0	12.39	60.902	
700.0	700.0	710.0	710.0	3.9	9.1	120.62	-384.3	649.2	754.4	739.7	14.69	51.339	
741.4	741.4	751.4	751.4	3.9	9.9	120.58	-383.7	649.2	754.1	738.4	15.68	48.086	
800.0	800.0	809.6	809.6	4.0	10.9	120.59	-383.7	649.2	754.1	737.0	17.10	44.104	
900.0	900.0	908.9	908.9	4.1	12.8	120.60	-383.9	649.2	754.2	734.7	19.56	38.556	
1,000.0	1,000.0	1,010.0	1,010.0	4.2	14.7	120.62	-384.3	649.2	754.4	732.4	22.04	34.225	
1,100.0	1,100.0	1,110.0	1,110.0	4.3	16.8	120.62	-384.3	649.2	754.4	729.5	24.95	30.235	
1,200.0	1,200.0	1,210.0	1,210.0	4.5	18.9	120.62	-384.3	649.2	754.4	726.5	27.89	27.053	
1,241.4	1,241.4	1,251.4	1,251.4	4.5	19.8	120.57	-383.4	649.2	754.0	724.9	29.11	25.905	
1,300.0	1,300.0	1,309.4	1,309.4	4.6	21.1	120.57	-383.5	649.2	754.0	723.2	30.82	24.463	
1,400.0	1,400.0	1,408.5	1,408.4	4.7	23.2	120.59	-383.8	649.2	754.2	720.4	33.76	22.339	
1,500.0	1,500.0	1,510.1	1,510.0	4.8	25.4	120.62	-384.3	649.2	754.4	717.6	36.85	20.474	
1,600.0	1,600.0	1,610.1	1,610.0	4.9	28.0	33.71	-384.3	649.2	753.0	712.7	40.24	18.710	
1,700.0	1,699.8	1,707.8	1,707.7	5.1	30.6	33.92	-383.5	649.2	748.2	704.4	43.79	17.088	
1,800.0	1,799.5	1,809.7	1,809.5	5.3	33.2	34.44	-384.3	649.2	741.4	693.9	47.50	15.607	
1,900.0	1,898.7	1,909.0	1,908.7	5.6	35.9	35.09	-384.3	649.2	731.4	680.2	51.20	14.284	
2,000.0	1,997.5	2,007.7	2,007.3	5.9	38.5	35.83	-382.4	649.2	717.6	662.7	54.88	13.075	
2,100.0	2,095.6	2,102.9	2,102.6	6.3	41.0	36.92	-382.8	649.2	702.3	643.9	58.44	12.018	
2,200.0	2,193.1	2,197.4	2,197.1	6.6	43.5	38.30	-383.9	649.2	685.0	623.0	61.97	11.053	
2,300.0	2,290.1	2,300.6	2,300.1	6.9	46.2	39.68	-384.3	649.2	666.2	600.5	65.64	10.149	
2,400.0	2,387.1	2,395.8	2,395.3	7.3	48.5	40.95	-383.5	649.2	647.0	578.1	68.98	9.380	
2,500.0	2,484.1	2,494.7	2,494.1	7.6	51.1	42.46	-384.3	649.2	629.2	556.7	72.53	8.675	
2,600.0	2,581.2	2,591.7	2,591.1	8.0	53.9	43.91	-383.5	649.2	610.8	534.4	76.47	7.989	
2,700.0	2,678.2	2,684.4	2,683.8	8.3	56.6	45.47	-384.1	649.2	593.8	513.5	80.23	7.400	
2,800.0	2,775.2	2,785.9	2,785.2	8.7	59.7	47.25	-384.3	649.2	576.9	492.3	84.63	6.817	
2,900.0	2,872.3	2,876.4	2,875.7	9.1	62.6	48.88	-383.8	649.2	560.2	471.7	88.58	6.324	
3,000.0	2,969.3	2,980.1	2,979.3	9.5	65.6	50.92	-384.3	649.2	544.7	451.9	92.79	5.870	
3,100.0	3,066.3	3,077.2	3,076.3	9.9	68.3	52.92	-384.3	649.2	529.5	432.8	96.64	5.479	
3,200.0	3,163.4	3,173.6	3,172.7	10.4	71.1	54.86	-382.1	649.2	513.3	412.8	100.47	5.109	
3,300.0	3,260.4	3,268.0	3,267.1	10.8	73.7	57.05	-382.6	649.2	499.9	395.6	104.21	4.797	
3,400.0	3,357.4	3,362.5	3,361.5	11.2	76.4	59.39	-383.7	649.2	487.8	379.8	107.95	4.519	
3,500.0	3,454.4	3,465.6	3,464.4	11.7	79.8	62.03	-384.3	649.2	476.2	363.5	112.64	4.227	
3,600.0	3,551.5	3,562.6	3,561.5	12.1	83.2	64.60	-384.3	649.2	465.0	347.7	117.38	3.962	
3,700.0	3,648.5	3,657.7	3,656.6	12.5	86.5	67.15	-382.9	649.2	453.7	331.7	122.04	3.718	
3,800.0	3,745.5	3,751.9	3,750.7	13.0	89.8	69.91	-383.7	649.2	445.4	318.8	126.63	3.517	
3,900.0	3,842.6	3,854.1	3,852.6	13.4	94.3	72.97	-384.3	649.2	438.0	305.2	132.81	3.298	
4,000.0	3,939.6	3,951.1	3,949.6	13.9	99.1	75.96	-384.3	649.2	431.4	291.9	139.49	3.092	
4,100.0	4,036.6	4,044.7	4,043.0	14.3	103.7	78.82	-381.5	649.2	423.3	277.4	145.94	2.901	
4,200.0	4,133.6	4,136.1	4,134.4	14.8	108.2	81.82	-383.0	649.2	420.7	268.5	152.21	2.764	
4,300.0	4,230.7	4,243.2	4,240.7	15.3	113.8	85.34	-384.3	649.2	419.2	259.2	160.00	2.620	
4,368.2	4,296.8	4,304.8	4,302.1	15.6	117.1	87.35	-382.4	649.2	416.3	251.7	164.64	2.529 CC	
4,400.0	4,327.7	4,331.1	4,328.3	15.7	118.6	88.23	-382.9	649.2	416.6	250.0	166.59	2.501 ES, SF	
4,500.0	4,424.7	4,378.0	4,374.8	16.2	121.1	89.78	-384.3	649.2	422.2	253.7	168.49	2.506	
4,600.0	4,521.8	4,378.0	4,374.8	16.7	121.1	89.78	-384.3	649.2	447.8	288.1	159.63	2.805	
4,700.0	4,618.8	4,378.0	4,374.8	17.1	121.1	89.78	-384.3	649.2	492.7	346.3	146.40	3.366	
4,800.0	4,715.8	4,378.0	4,374.8	17.6	121.1	89.78	-384.3	649.2	552.3	420.0	132.32	4.174	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #6 (P&A) - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 500-INC-ONLY													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.0	4,812.9	4,378.0	4,374.8	18.1	121.1	89.78	-384.3	649.2	622.3	502.9	119.41	5.212		
5,000.0	4,909.9	4,378.0	4,374.8	18.5	121.1	89.78	-384.3	649.2	699.7	591.3	108.36	6.457		
5,100.0	5,006.9	4,378.0	4,374.8	19.0	121.1	89.78	-384.3	649.2	782.2	683.0	99.18	7.887		
5,200.0	5,103.9	4,378.0	4,374.8	19.5	121.1	89.78	-384.3	649.2	868.4	776.8	91.64	9.476		
5,300.0	5,201.0	4,378.0	4,374.8	19.9	121.1	89.78	-384.3	649.2	957.3	871.8	85.46	11.201		

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 101-r.5 SDI_KPR_WL_NS-CT, 1280-r.5 MWD+IFR1, 11439-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
5,500.0	5,395.0	5,428.1	5,407.9	20.9	15.3	-0.80	112.1	1,880.0	999.9	963.7	36.17	27.642	
5,521.6	5,416.0	5,449.1	5,428.9	21.0	15.3	-0.80	112.1	1,880.0	994.7	958.4	36.29	27.406	
5,600.0	5,492.2	5,525.3	5,505.1	21.4	15.4	-0.82	112.1	1,880.0	976.2	939.5	36.75	26.565	
5,700.0	5,589.7	5,622.8	5,602.6	21.8	15.4	-0.83	112.1	1,880.0	954.2	916.9	37.33	25.561	
5,800.0	5,687.6	5,720.7	5,700.5	22.3	15.5	-0.85	112.1	1,880.0	933.9	896.0	37.91	24.635	
5,900.0	5,785.9	5,819.0	5,798.8	22.7	15.5	-0.86	112.1	1,880.0	915.3	876.8	38.48	23.786	
6,000.0	5,884.5	5,917.6	5,897.4	23.2	15.6	-0.88	112.1	1,880.0	898.4	859.4	39.04	23.011	
6,100.0	5,983.3	6,016.4	5,996.2	23.6	15.6	-0.89	112.1	1,880.0	883.3	843.7	39.60	22.306	
6,200.0	6,082.4	6,115.5	6,095.3	24.0	15.7	-0.90	112.1	1,880.0	869.9	829.7	40.14	21.669	
6,300.0	6,181.7	6,214.8	6,194.6	24.5	15.8	-0.91	112.1	1,880.0	858.2	817.5	40.67	21.099	
6,400.0	6,281.2	6,314.3	6,294.1	24.9	15.8	-0.92	112.1	1,880.0	848.2	807.0	41.19	20.594	
6,500.0	6,380.9	6,414.0	6,393.8	25.2	15.9	-0.93	112.1	1,880.0	840.0	798.3	41.68	20.152	
6,600.0	6,480.7	6,513.8	6,493.6	25.6	15.9	-0.93	112.1	1,880.0	833.5	791.4	42.16	19.772	
6,700.0	6,580.6	6,613.7	6,593.5	25.9	16.0	-0.94	112.1	1,880.0	828.8	786.2	42.60	19.454	
6,800.0	6,680.5	6,713.6	6,693.4	26.2	16.0	-0.94	112.1	1,880.0	825.8	782.8	43.01	19.202	
6,900.0	6,780.5	6,813.6	6,793.4	26.5	16.1	-0.94	112.1	1,880.0	824.5	781.2	43.34	19.027	
6,921.6	6,802.1	6,835.2	6,815.0	26.5	16.1	86.06	112.1	1,880.0	824.5	781.1	43.37	19.011	
7,000.0	6,880.5	6,913.6	6,893.4	26.5	16.2	86.06	112.1	1,880.0	824.5	781.1	43.42	18.987	
7,100.0	6,980.5	7,013.6	6,993.4	26.5	16.2	86.06	112.1	1,880.0	824.5	781.0	43.50	18.954	
7,200.0	7,080.5	7,113.6	7,093.4	26.6	16.3	86.06	112.1	1,880.0	824.5	780.9	43.58	18.920	
7,300.0	7,180.5	7,213.6	7,193.4	26.6	16.3	86.06	112.1	1,880.0	824.5	780.8	43.66	18.886	
7,400.0	7,280.5	7,313.6	7,293.4	26.6	16.4	86.06	112.1	1,880.0	824.5	780.8	43.73	18.853	
7,500.0	7,380.5	7,413.6	7,393.4	26.7	16.4	86.06	112.1	1,880.0	824.5	780.7	43.81	18.819	
7,600.0	7,480.5	7,513.6	7,493.4	26.7	16.5	86.06	112.1	1,880.0	824.5	780.6	43.89	18.785	
7,700.0	7,580.5	7,613.6	7,593.4	26.7	16.6	86.06	112.1	1,880.0	824.5	780.5	43.97	18.751	
7,800.0	7,680.5	7,713.6	7,693.4	26.7	16.6	86.06	112.1	1,880.0	824.5	780.4	44.05	18.717	
7,900.0	7,780.5	7,813.6	7,793.4	26.8	16.7	86.06	112.1	1,880.0	824.5	780.4	44.13	18.683	
8,000.0	7,880.5	7,913.6	7,893.4	26.8	16.7	86.06	112.1	1,880.0	824.5	780.3	44.21	18.648	
8,100.0	7,980.5	8,013.6	7,993.4	26.8	16.8	86.06	112.1	1,880.0	824.5	780.2	44.29	18.614	
8,200.0	8,080.5	8,113.6	8,093.4	26.9	16.9	86.06	112.1	1,880.0	824.5	780.1	44.38	18.580	
8,300.0	8,180.5	8,213.6	8,193.4	26.9	16.9	86.06	112.1	1,880.0	824.5	780.0	44.46	18.546	
8,400.0	8,280.5	8,313.6	8,293.4	26.9	17.0	86.06	112.1	1,880.0	824.5	780.0	44.54	18.511	
8,500.0	8,380.5	8,413.6	8,393.4	27.0	17.0	86.06	112.1	1,880.0	824.5	779.9	44.62	18.477	
8,600.0	8,480.5	8,513.6	8,493.4	27.0	17.1	86.06	112.1	1,880.0	824.5	779.8	44.71	18.442	
8,700.0	8,580.5	8,613.6	8,593.4	27.0	17.2	86.06	112.1	1,880.0	824.5	779.7	44.79	18.408	
8,800.0	8,680.5	8,713.6	8,693.4	27.1	17.2	86.06	112.1	1,880.0	824.5	779.6	44.88	18.373	
8,900.0	8,780.5	8,813.6	8,793.4	27.1	17.3	86.06	112.1	1,880.0	824.5	779.5	44.96	18.338	
9,000.0	8,880.5	8,913.6	8,893.4	27.1	17.3	86.06	112.1	1,880.0	824.5	779.4	45.05	18.304	
9,100.0	8,980.5	9,013.6	8,993.4	27.2	17.4	86.06	112.1	1,880.0	824.5	779.4	45.13	18.269	
9,200.0	9,080.5	9,113.6	9,093.4	27.2	17.5	86.06	112.1	1,880.0	824.5	779.3	45.22	18.234	
9,300.0	9,180.5	9,213.6	9,193.4	27.2	17.5	86.06	112.1	1,880.0	824.5	779.2	45.30	18.199	
9,400.0	9,280.5	9,313.6	9,293.4	27.3	17.6	86.06	112.1	1,880.0	824.5	779.1	45.39	18.165	
9,500.0	9,380.5	9,413.6	9,393.4	27.3	17.7	86.06	112.1	1,880.0	824.5	779.0	45.48	18.130	
9,600.0	9,480.5	9,513.6	9,493.4	27.3	17.7	86.06	112.1	1,880.0	824.5	778.9	45.57	18.095	
9,700.0	9,580.5	9,613.6	9,593.4	27.4	17.8	86.06	112.1	1,880.0	824.5	778.8	45.65	18.060	
9,800.0	9,680.5	9,713.6	9,693.4	27.4	17.8	86.06	112.1	1,880.0	824.5	778.8	45.74	18.025	
9,900.0	9,780.5	9,813.6	9,793.4	27.4	17.9	86.06	112.1	1,880.0	824.5	778.7	45.83	17.990	
10,000.0	9,880.5	9,913.6	9,893.4	27.5	18.0	86.06	112.1	1,880.0	824.5	778.6	45.92	17.955	
10,100.0	9,980.5	10,013.6	9,993.4	27.5	18.0	86.06	112.1	1,880.0	824.5	778.5	46.01	17.920	
10,200.0	10,080.5	10,113.6	10,093.4	27.5	18.1	86.06	112.1	1,880.0	824.5	778.4	46.10	17.885	
10,300.0	10,180.5	10,213.6	10,193.4	27.6	18.2	86.06	112.1	1,880.0	824.5	778.3	46.19	17.850	
10,400.0	10,280.5	10,313.6	10,293.4	27.6	18.2	86.06	112.1	1,880.0	824.5	778.2	46.28	17.815	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 101-r.5 SDI_KPR_WL_NS-CT, 1280-r.5 MWD+IFR1, 11439-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
10,500.0	10,380.5	10,413.6	10,393.4	27.6	18.3	86.06	112.1	1,880.0	824.5	778.1	46.37	17.780	
10,600.0	10,480.5	10,513.6	10,493.4	27.7	18.3	86.06	112.1	1,880.0	824.5	778.0	46.46	17.745	
10,700.0	10,580.5	10,613.6	10,593.4	27.7	18.4	86.06	112.1	1,880.0	824.5	777.9	46.56	17.710	
10,800.0	10,680.5	10,713.6	10,693.4	27.7	18.5	86.06	112.1	1,880.0	824.5	777.8	46.65	17.675	
10,900.0	10,780.5	10,813.6	10,793.4	27.8	18.5	86.06	112.1	1,880.0	824.5	777.8	46.74	17.639	
11,000.0	10,880.5	10,913.6	10,893.4	27.8	18.6	86.06	112.1	1,880.0	824.5	777.7	46.83	17.604	
11,100.0	10,980.5	11,013.6	10,993.4	27.9	18.7	86.06	112.1	1,880.0	824.5	777.6	46.93	17.569	
11,200.0	11,080.5	11,113.6	11,093.4	27.9	18.7	86.06	112.1	1,880.0	824.5	777.5	47.02	17.534	
11,300.0	11,180.5	11,213.6	11,193.4	27.9	18.8	86.06	112.1	1,880.0	824.5	777.4	47.12	17.499	
11,400.0	11,280.5	11,313.6	11,293.4	28.0	18.9	86.06	112.1	1,880.0	824.5	777.3	47.21	17.464	
11,500.0	11,380.5	11,413.6	11,393.4	28.0	18.9	86.06	112.1	1,880.0	824.5	777.2	47.30	17.431	
11,505.7	11,386.2	11,419.3	11,399.1	28.0	18.9	86.06	112.1	1,880.0	824.5	777.2	47.30	17.430 CC	
11,557.0	11,437.5	11,467.5	11,447.3	28.0	18.9	86.00	113.0	1,879.9	824.6	777.2	47.34	17.419	
11,575.0	11,455.5	11,483.6	11,463.4	28.0	18.9	86.45	114.2	1,879.9	824.6	777.4	47.22	17.465	
11,600.0	11,480.4	11,506.1	11,485.6	28.0	18.9	86.35	116.8	1,879.9	824.7	777.5	47.23	17.461	
11,625.0	11,505.3	11,528.4	11,507.7	28.0	18.9	86.27	120.5	1,879.9	824.8	777.6	47.25	17.457	
11,650.0	11,529.9	11,550.0	11,528.8	28.0	18.9	86.19	125.0	1,879.9	824.9	777.6	47.27	17.451	
11,675.0	11,554.3	11,573.1	11,551.1	28.0	18.9	86.13	130.9	1,879.8	825.0	777.7	47.28	17.447	
11,700.0	11,578.4	11,595.3	11,572.3	28.0	19.0	86.07	137.5	1,879.8	825.0	777.7	47.30	17.442	
11,725.0	11,602.1	11,617.6	11,593.2	28.0	19.0	86.02	145.2	1,879.7	825.1	777.8	47.32	17.435	
11,750.0	11,625.3	11,639.8	11,613.7	28.0	19.0	85.98	153.8	1,879.7	825.2	777.8	47.35	17.429	
11,775.0	11,648.0	11,662.0	11,633.7	28.0	19.0	85.96	163.3	1,879.6	825.2	777.9	47.37	17.421	
11,800.0	11,670.1	11,684.2	11,653.3	28.0	19.0	85.94	173.8	1,879.6	825.3	777.9	47.39	17.414	
11,825.0	11,691.7	11,706.3	11,672.4	28.0	19.0	85.93	185.1	1,879.5	825.3	777.9	47.42	17.406	
11,850.0	11,712.5	11,728.5	11,690.9	28.0	19.0	85.93	197.4	1,879.4	825.3	777.9	47.44	17.397	
11,875.0	11,732.5	11,750.0	11,708.2	28.0	19.0	85.94	210.0	1,879.3	825.4	777.9	47.47	17.386	
11,900.0	11,751.8	11,772.9	11,726.1	28.0	19.0	85.96	224.3	1,879.2	825.4	777.9	47.50	17.378	
11,925.0	11,770.1	11,795.1	11,742.8	28.0	19.0	86.00	239.1	1,879.2	825.4	777.9	47.52	17.368	
11,950.0	11,787.6	11,817.4	11,758.7	28.1	19.0	86.04	254.5	1,879.1	825.4	777.8	47.55	17.358	
11,975.0	11,804.1	11,839.7	11,774.0	28.1	19.0	86.09	270.8	1,879.0	825.4	777.8	47.58	17.347	
12,000.0	11,819.6	11,862.0	11,788.5	28.1	19.0	86.15	287.7	1,878.8	825.4	777.8	47.61	17.336	
12,025.0	11,834.1	11,884.3	11,802.2	28.1	19.0	86.22	305.3	1,878.7	825.4	777.7	47.64	17.324	
12,050.0	11,847.5	11,906.7	11,815.1	28.1	19.1	86.30	323.6	1,878.6	825.3	777.7	47.68	17.312	
12,075.0	11,859.7	11,929.1	11,827.1	28.1	19.1	86.39	342.5	1,878.5	825.3	777.6	47.71	17.299	
12,100.0	11,870.8	11,951.6	11,838.3	28.1	19.1	86.49	362.1	1,878.4	825.3	777.5	47.74	17.286	
12,125.0	11,880.7	11,975.0	11,849.0	28.1	19.1	86.60	382.9	1,878.2	825.2	777.5	47.77	17.274	
12,150.0	11,889.4	11,996.8	11,857.9	28.1	19.1	86.71	402.7	1,878.1	825.2	777.4	47.81	17.259	
12,175.0	11,896.9	12,019.4	11,866.3	28.2	19.1	86.83	423.8	1,878.0	825.2	777.3	47.85	17.244	
12,200.0	11,903.1	12,042.2	11,873.7	28.2	19.2	86.97	445.3	1,877.9	825.1	777.2	47.89	17.230	
12,225.0	11,908.0	12,065.0	11,880.1	28.2	19.2	87.11	467.2	1,877.7	825.1	777.2	47.93	17.214	
12,250.0	11,911.6	12,088.0	11,885.4	28.2	19.2	87.25	489.5	1,877.6	825.0	777.1	47.97	17.198	
12,275.0	11,913.9	12,111.0	11,889.7	28.2	19.2	87.41	512.1	1,877.4	825.0	777.0	48.02	17.182	
12,300.0	11,914.9	12,134.1	11,892.9	28.3	19.3	87.57	535.0	1,877.3	825.0	776.9	48.06	17.165	
12,307.0	11,915.0	12,140.6	11,893.6	28.3	19.3	87.62	541.5	1,877.2	825.0	776.9	48.07	17.161	
12,322.6	11,915.0	12,155.1	11,894.8	28.3	19.3	87.70	555.9	1,877.2	824.9	776.8	48.11	17.149	
12,400.0	11,915.0	12,230.2	11,896.0	28.4	19.4	87.78	631.0	1,876.7	825.1	776.8	48.31	17.080	
12,500.0	11,915.0	12,330.2	11,896.0	28.5	19.5	87.79	731.0	1,876.1	825.4	776.8	48.63	16.973	
12,600.0	11,915.0	12,430.2	11,896.0	28.7	19.7	87.79	831.0	1,875.4	825.7	776.7	48.99	16.853	
12,700.0	11,915.0	12,530.2	11,896.0	28.8	20.0	87.79	931.0	1,874.8	826.0	776.6	49.40	16.719	
12,800.0	11,915.0	12,630.2	11,896.0	29.0	20.2	87.79	1,031.0	1,874.2	826.3	776.4	49.85	16.573	
12,900.0	11,915.0	12,730.2	11,896.0	29.3	20.5	87.79	1,131.0	1,873.5	826.5	776.2	50.35	16.417	
13,000.0	11,915.0	12,830.2	11,896.0	29.5	20.8	87.79	1,231.0	1,872.9	826.8	775.9	50.88	16.251	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 101-r.5 SDI_KPR_WL_NS-CT, 1280-r.5 MWD+IFR1, 11439-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,100.0	11,915.0	12,930.2	11,896.0	29.7	21.1	87.79	1,331.0	1,872.3	827.1	775.7	51.45	16.076	
13,200.0	11,915.0	13,030.2	11,896.0	30.0	21.5	87.79	1,431.0	1,871.6	827.4	775.3	52.06	15.893	
13,300.0	11,915.0	13,130.2	11,896.0	30.3	21.9	87.79	1,531.0	1,871.0	827.7	775.0	52.71	15.703	
13,400.0	11,915.0	13,230.2	11,896.0	30.6	22.3	87.79	1,631.0	1,870.4	828.0	774.6	53.39	15.509	
13,500.0	11,915.0	13,330.2	11,896.0	30.9	22.7	87.79	1,731.0	1,869.8	828.2	774.1	54.10	15.309	
13,600.0	11,915.0	13,430.2	11,896.0	31.3	23.1	87.79	1,831.0	1,869.1	828.5	773.7	54.85	15.106	
13,700.0	11,915.0	13,530.2	11,896.0	31.6	23.6	87.79	1,931.0	1,868.5	828.8	773.2	55.63	14.899	
13,800.0	11,915.0	13,630.2	11,896.0	32.0	24.1	87.79	2,031.0	1,867.9	829.1	772.7	56.43	14.691	
13,900.0	11,915.0	13,730.2	11,896.0	32.4	24.6	87.80	2,131.0	1,867.2	829.4	772.1	57.27	14.482	
14,000.0	11,915.0	13,830.2	11,896.0	32.8	25.1	87.80	2,231.0	1,866.6	829.7	771.5	58.13	14.271	
14,100.0	11,915.0	13,930.2	11,896.0	33.2	25.6	87.80	2,331.0	1,866.0	829.9	770.9	59.02	14.061	
14,200.0	11,915.0	14,030.2	11,896.0	33.6	26.1	87.80	2,431.0	1,865.3	830.2	770.3	59.94	13.851	
14,300.0	11,915.0	14,130.2	11,896.0	34.0	26.7	87.80	2,531.0	1,864.7	830.5	769.6	60.88	13.642	
14,400.0	11,915.0	14,230.2	11,896.0	34.5	27.2	87.80	2,631.0	1,864.1	830.8	769.0	61.84	13.435	
14,500.0	11,915.0	14,330.2	11,896.0	34.9	27.8	87.80	2,731.0	1,863.4	831.1	768.3	62.82	13.229	
14,600.0	11,915.0	14,430.2	11,896.0	35.4	28.3	87.80	2,831.0	1,862.8	831.4	767.5	63.82	13.026	
14,700.0	11,915.0	14,530.2	11,896.0	35.9	28.9	87.80	2,931.0	1,862.2	831.6	766.8	64.85	12.825	
14,800.0	11,915.0	14,630.2	11,896.0	36.4	29.5	87.80	3,031.0	1,861.6	831.9	766.0	65.89	12.626	
14,900.0	11,915.0	14,730.2	11,896.0	36.8	30.1	87.80	3,131.0	1,860.9	832.2	765.3	66.95	12.431	
15,000.0	11,915.0	14,830.2	11,896.0	37.4	30.7	87.80	3,231.0	1,860.3	832.5	764.5	68.02	12.238	
15,100.0	11,915.0	14,930.2	11,896.0	37.9	31.3	87.80	3,331.0	1,859.7	832.8	763.7	69.12	12.049	
15,200.0	11,915.0	15,030.2	11,896.0	38.4	32.0	87.81	3,430.9	1,859.0	833.1	762.8	70.22	11.863	
15,300.0	11,915.0	15,130.2	11,896.0	38.9	32.6	87.81	3,530.9	1,858.4	833.3	762.0	71.35	11.680	
15,400.0	11,915.0	15,230.2	11,896.0	39.5	33.2	87.81	3,630.9	1,857.8	833.6	761.1	72.48	11.501	
15,500.0	11,915.0	15,330.2	11,896.0	40.0	33.9	87.81	3,730.9	1,857.1	833.9	760.3	73.63	11.325	
15,600.0	11,915.0	15,430.2	11,896.0	40.5	34.5	87.81	3,830.9	1,856.5	834.2	759.4	74.80	11.153	
15,700.0	11,915.0	15,530.2	11,896.0	41.1	35.1	87.81	3,930.9	1,855.9	834.5	758.5	75.97	10.984	
15,800.0	11,915.0	15,630.2	11,896.0	41.7	35.8	87.81	4,030.9	1,855.3	834.8	757.6	77.16	10.819	
15,900.0	11,915.0	15,730.2	11,896.0	42.2	36.5	87.81	4,130.9	1,854.6	835.0	756.7	78.35	10.657	
16,000.0	11,915.0	15,830.2	11,896.0	42.8	37.1	87.81	4,230.9	1,854.0	835.3	755.8	79.56	10.499	
16,100.0	11,915.0	15,930.2	11,896.0	43.4	37.8	87.81	4,330.9	1,853.4	835.6	754.8	80.78	10.344	
16,200.0	11,915.0	16,030.2	11,896.0	44.0	38.4	87.81	4,430.9	1,852.7	835.9	753.9	82.01	10.193	
16,300.0	11,915.0	16,130.2	11,896.0	44.6	39.1	87.81	4,530.9	1,852.1	836.2	752.9	83.25	10.045	
16,400.0	11,915.0	16,230.2	11,896.0	45.2	39.8	87.81	4,630.9	1,851.5	836.5	752.0	84.49	9.900	
16,500.0	11,915.0	16,330.2	11,896.0	45.8	40.5	87.82	4,730.9	1,850.8	836.7	751.0	85.75	9.758	
16,600.0	11,915.0	16,430.2	11,896.0	46.4	41.2	87.82	4,830.9	1,850.2	837.0	750.0	87.01	9.620	
16,700.0	11,915.0	16,530.2	11,896.0	47.0	41.8	87.82	4,930.9	1,849.6	837.3	749.0	88.28	9.485	
16,800.0	11,915.0	16,630.2	11,896.0	47.6	42.5	87.82	5,030.9	1,849.0	837.6	748.0	89.56	9.353	
16,900.0	11,915.0	16,730.2	11,896.0	48.2	43.2	87.82	5,130.9	1,848.3	837.9	747.0	90.84	9.224	
17,000.0	11,915.0	16,830.2	11,896.0	48.9	43.9	87.82	5,230.9	1,847.7	838.2	746.0	92.13	9.097	
17,100.0	11,915.0	16,930.2	11,896.0	49.5	44.6	87.82	5,330.9	1,847.1	838.4	745.0	93.43	8.974	
17,200.0	11,915.0	17,030.2	11,896.0	50.1	45.3	87.82	5,430.9	1,846.4	838.7	744.0	94.73	8.853	
17,300.0	11,915.0	17,130.2	11,896.0	50.7	46.0	87.82	5,530.9	1,845.8	839.0	743.0	96.04	8.736	
17,400.0	11,915.0	17,230.2	11,896.0	51.4	46.7	87.82	5,630.9	1,845.2	839.3	741.9	97.36	8.621	
17,500.0	11,915.0	17,330.2	11,896.0	52.0	47.4	87.82	5,730.9	1,844.5	839.6	740.9	98.68	8.508	
17,600.0	11,915.0	17,430.2	11,896.0	52.7	48.1	87.82	5,830.9	1,843.9	839.9	739.9	100.01	8.398	
17,700.0	11,915.0	17,530.2	11,896.0	53.3	48.8	87.82	5,930.9	1,843.3	840.1	738.8	101.34	8.290	
17,800.0	11,915.0	17,630.2	11,896.0	54.0	49.5	87.82	6,030.9	1,842.7	840.4	737.8	102.68	8.185	
17,900.0	11,915.0	17,730.2	11,896.0	54.6	50.2	87.83	6,130.9	1,842.0	840.7	736.7	104.02	8.082	
18,000.0	11,915.0	17,830.2	11,896.0	55.3	50.9	87.83	6,230.9	1,841.4	841.0	735.6	105.36	7.982	
18,100.0	11,915.0	17,930.2	11,896.0	55.9	51.6	87.83	6,330.9	1,840.8	841.3	734.6	106.71	7.884	
18,200.0	11,915.0	18,030.2	11,896.0	56.6	52.4	87.83	6,430.9	1,840.1	841.6	733.5	108.07	7.787	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FEDERAL COM #101H - OWB - PWP2													Offset Site Error:	0.0 usft
Survey Program: 101-r.5 SDI_KPR_WL_NS-CT, 1280-r.5 MWD+IFR1, 11439-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
18,300.0	11,915.0	18,130.2	11,896.0	57.3	53.1	87.83	6,530.9	1,839.5	841.8	732.4	109.42	7.693		
18,400.0	11,915.0	18,230.2	11,896.0	57.9	53.8	87.83	6,630.9	1,838.9	842.1	731.3	110.79	7.601		
18,500.0	11,915.0	18,330.2	11,896.0	58.6	54.5	87.83	6,730.9	1,838.2	842.4	730.3	112.15	7.511		
18,600.0	11,915.0	18,430.2	11,896.0	59.3	55.2	87.83	6,830.9	1,837.6	842.7	729.2	113.52	7.423		
18,700.0	11,915.0	18,530.2	11,896.0	60.0	56.0	87.83	6,930.9	1,837.0	843.0	728.1	114.89	7.337		
18,800.0	11,915.0	18,630.2	11,896.0	60.6	56.7	87.83	7,030.9	1,836.4	843.3	727.0	116.27	7.253		
18,900.0	11,915.0	18,730.2	11,896.0	61.3	57.4	87.83	7,130.9	1,835.7	843.5	725.9	117.65	7.170		
19,000.0	11,915.0	18,830.2	11,896.0	62.0	58.1	87.83	7,230.9	1,835.1	843.8	724.8	119.03	7.089		
19,100.0	11,915.0	18,930.2	11,896.0	62.7	58.8	87.83	7,330.9	1,834.5	844.1	723.7	120.42	7.010		
19,200.0	11,915.0	19,030.2	11,896.0	63.4	59.6	87.83	7,430.9	1,833.8	844.4	722.6	121.80	6.932		
19,300.0	11,915.0	19,130.2	11,896.0	64.0	60.3	87.84	7,530.9	1,833.2	844.7	721.5	123.19	6.856		
19,400.0	11,915.0	19,230.2	11,896.0	64.7	61.0	87.84	7,630.8	1,832.6	845.0	720.4	124.59	6.782		
19,500.0	11,915.0	19,330.2	11,896.0	65.4	61.8	87.84	7,730.8	1,831.9	845.2	719.3	125.98	6.709		
19,600.0	11,915.0	19,432.5	11,896.0	66.1	62.5	87.84	7,833.1	1,831.2	845.4	718.1	127.39	6.637		
19,601.9	11,915.0	19,434.3	11,896.0	66.1	62.5	87.84	7,835.0	1,831.2	845.4	718.0	127.42	6.635		
19,640.7	11,915.0	19,471.9	11,896.0	66.4	62.8	87.84	7,872.6	1,830.9	845.5	717.5	127.95	6.607		
19,690.7	11,915.0	19,520.9	11,896.0	66.7	63.1	87.84	7,921.6	1,830.6	845.6	716.9	128.65	6.573 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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 62-GYRO-NS, 1310-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,500.0	9,380.5	9,536.0	9,526.1	27.3	14.2	99.04	-99.6	2,031.7	995.7	953.5	42.28	23.550	
9,600.0	9,480.5	9,631.6	9,620.9	27.3	14.5	98.82	-93.9	2,019.4	982.2	939.6	42.55	23.083	
9,700.0	9,580.5	9,718.5	9,706.9	27.4	14.7	98.58	-88.2	2,009.2	969.6	926.7	42.86	22.623	
9,800.0	9,680.5	9,805.6	9,793.3	27.4	15.0	98.34	-82.7	2,000.0	958.2	915.0	43.17	22.197	
9,900.0	9,780.5	9,889.1	9,876.5	27.4	15.2	98.18	-79.0	1,992.3	948.3	904.9	43.49	21.807	
10,000.0	9,880.5	9,977.0	9,964.0	27.5	15.5	98.10	-76.7	1,985.3	940.1	896.3	43.78	21.473	
10,100.0	9,980.5	10,071.0	10,057.8	27.5	15.7	98.06	-74.9	1,978.5	932.7	888.7	44.04	21.179	
10,200.0	10,080.5	10,165.0	10,151.6	27.5	16.0	98.02	-73.5	1,972.5	926.1	881.8	44.30	20.905	
10,300.0	10,180.5	10,247.0	10,233.5	27.6	16.2	97.98	-72.3	1,968.3	920.8	876.2	44.60	20.646	
10,400.0	10,280.5	10,335.5	10,321.8	27.6	16.4	97.94	-71.2	1,964.9	916.8	871.9	44.86	20.436	
10,500.0	10,380.5	10,434.2	10,420.5	27.6	16.6	97.91	-70.3	1,961.8	913.6	868.5	45.09	20.263	
10,600.0	10,480.5	10,532.2	10,518.5	27.7	16.9	97.86	-69.0	1,958.9	910.4	865.1	45.31	20.092	
10,700.0	10,580.5	10,626.5	10,612.8	27.7	17.1	97.81	-68.0	1,956.4	907.7	862.1	45.55	19.928	
10,800.0	10,680.5	10,715.2	10,701.4	27.7	17.3	97.80	-67.5	1,954.8	905.9	860.1	45.79	19.784	
10,900.0	10,780.5	10,810.3	10,796.5	27.8	17.5	97.80	-67.5	1,954.1	905.1	859.1	45.99	19.681	
11,000.0	10,880.5	10,908.9	10,895.2	27.8	17.6	97.82	-67.7	1,953.5	904.5	858.4	46.16	19.597	
11,100.0	10,980.5	11,007.6	10,993.8	27.9	17.7	97.85	-68.1	1,953.1	904.1	857.8	46.30	19.528	
11,156.5	11,037.0	11,061.2	11,047.4	27.9	17.8	97.88	-68.6	1,952.9	904.0	857.7	46.36	19.499 CC, ES	
11,200.0	11,080.5	11,102.2	11,088.4	27.9	17.8	97.93	-69.3	1,952.9	904.1	857.7	46.41	19.481	
11,300.0	11,180.5	11,186.7	11,172.8	27.9	17.7	98.12	-72.4	1,953.4	905.3	858.8	46.49	19.470 SF	
11,400.0	11,280.5	11,276.5	11,262.3	28.0	17.7	98.60	-80.3	1,954.5	907.8	861.3	46.53	19.510	
11,500.0	11,380.5	11,370.8	11,355.4	28.0	17.6	99.49	-94.8	1,955.7	911.5	864.9	46.51	19.598	
11,557.0	11,437.5	11,432.1	11,415.2	28.0	17.6	100.32	-108.1	1,955.7	913.6	867.2	46.45	19.670	
11,575.0	11,455.5	11,450.2	11,432.7	28.0	17.6	101.07	-112.8	1,955.4	914.3	868.1	46.20	19.790	
11,600.0	11,480.4	11,470.8	11,452.6	28.0	17.6	101.35	-118.4	1,955.1	915.6	869.4	46.19	19.824	
11,625.0	11,505.3	11,490.7	11,471.5	28.0	17.6	101.64	-124.3	1,954.8	917.3	871.1	46.16	19.871	
11,650.0	11,529.9	11,508.7	11,488.6	28.0	17.6	101.91	-130.0	1,954.5	919.5	873.3	46.15	19.926	
11,675.0	11,554.3	11,525.4	11,504.3	28.0	17.6	102.14	-135.7	1,954.2	922.2	876.1	46.12	19.994	
11,700.0	11,578.4	11,541.0	11,518.8	28.0	17.6	102.33	-141.4	1,954.0	925.5	879.4	46.10	20.077	
11,725.0	11,602.1	11,555.4	11,532.1	28.0	17.6	102.44	-146.9	1,953.7	929.4	883.4	46.07	20.176	
11,750.0	11,625.3	11,578.0	11,552.7	28.0	17.6	102.91	-156.2	1,953.2	934.1	888.1	45.95	20.328	
11,775.0	11,648.0	11,578.0	11,552.7	28.0	17.6	102.28	-156.2	1,953.2	939.3	893.3	46.01	20.417	
11,800.0	11,670.1	11,592.9	11,566.2	28.0	17.6	102.29	-162.6	1,952.9	945.3	899.4	45.92	20.586	
11,825.0	11,691.7	11,603.9	11,576.0	28.0	17.6	102.04	-167.4	1,952.7	952.0	906.1	45.85	20.763	
11,850.0	11,712.5	11,613.6	11,584.7	28.0	17.6	101.65	-171.8	1,952.5	959.4	913.6	45.78	20.959	
11,875.0	11,732.5	11,622.2	11,592.4	28.0	17.6	101.12	-175.7	1,952.3	967.5	921.9	45.70	21.173	
11,900.0	11,751.8	11,629.7	11,599.0	28.0	17.6	100.42	-179.1	1,952.1	976.4	930.8	45.61	21.407	
11,925.0	11,770.1	11,637.0	11,605.5	28.0	17.6	99.63	-182.6	1,952.0	986.0	940.5	45.51	21.664	
11,950.0	11,787.6	11,637.0	11,605.5	28.1	17.6	98.29	-182.6	1,952.0	996.3	950.8	45.48	21.907	

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 #706H
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 #706H	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	0.0	3.0	3.0	-56.31	83.8	-125.8	151.2	144.2	6.98	21.656	
100.0	100.0	98.0	98.0	3.1	3.1	-56.31	83.8	-125.8	151.2	143.9	7.22	20.932		
200.0	200.0	198.0	198.0	3.2	3.2	-56.31	83.8	-125.8	151.2	143.7	7.46	20.259		
300.0	300.0	298.0	298.0	3.4	3.4	-56.31	83.8	-125.8	151.2	143.5	7.69	19.649		
400.0	400.0	398.0	398.0	3.5	3.5	-56.31	83.8	-125.8	151.2	143.2	7.92	19.088		
500.0	500.0	498.0	498.0	3.6	3.6	-56.31	83.8	-125.8	151.2	143.0	8.14	18.570		
600.0	600.0	598.0	598.0	3.7	3.7	-56.31	83.8	-125.8	151.2	142.8	8.36	18.089		
700.0	700.0	698.0	698.0	3.9	3.9	-56.31	83.8	-125.8	151.2	142.6	8.57	17.642		
800.0	800.0	798.0	798.0	4.0	4.0	-56.31	83.8	-125.8	151.2	142.4	8.78	17.223		
900.0	900.0	898.0	898.0	4.1	4.1	-56.31	83.8	-125.8	151.2	142.2	8.98	16.831		
1,000.0	1,000.0	998.0	998.0	4.2	4.2	-56.31	83.8	-125.8	151.2	142.0	9.18	16.462		
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	-56.31	83.8	-125.8	151.2	141.8	9.38	16.114		
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	-56.31	83.8	-125.8	151.2	141.6	9.58	15.785		
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	-56.31	83.8	-125.8	151.2	141.4	9.77	15.474		
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	-56.31	83.8	-125.8	151.2	141.2	9.96	15.179		
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	-56.31	83.8	-125.8	151.2	141.0	10.15	14.898	CC, ES, SF	
1,600.0	1,600.0	1,593.9	1,593.9	4.9	4.9	-144.00	83.8	-127.3	153.9	143.7	10.10	15.226		
1,700.0	1,699.8	1,689.1	1,689.0	5.1	5.0	-145.92	83.5	-132.0	162.2	151.7	10.54	15.395		
1,800.0	1,799.5	1,783.0	1,782.5	5.3	5.2	-148.69	83.1	-139.7	176.5	165.5	11.00	16.045		
1,900.0	1,898.7	1,874.9	1,873.9	5.6	5.5	-151.84	82.6	-150.2	197.0	185.5	11.50	17.132		
2,000.0	1,997.5	1,964.4	1,962.4	5.9	5.8	-154.98	81.9	-163.3	224.0	212.0	12.04	18.605		
2,100.0	2,095.6	2,050.9	2,047.5	6.3	6.1	-157.85	81.1	-178.5	257.4	244.8	12.61	20.419		
2,200.0	2,193.1	2,137.4	2,132.2	6.6	6.4	-160.45	80.2	-196.1	296.9	283.7	13.20	22.497		
2,300.0	2,290.1	2,227.3	2,220.2	6.9	6.6	-162.91	79.2	-214.7	339.0	325.2	13.76	24.627		
2,400.0	2,387.1	2,317.2	2,308.1	7.3	6.9	-164.83	78.2	-233.4	381.4	367.0	14.36	26.567		
2,500.0	2,484.1	2,407.1	2,396.0	7.6	7.2	-166.37	77.2	-252.0	424.1	409.1	14.98	28.318		
2,600.0	2,581.2	2,497.0	2,483.9	8.0	7.5	-167.63	76.2	-270.7	467.0	451.4	15.62	29.894		
2,700.0	2,678.2	2,586.8	2,571.8	8.3	7.8	-168.68	75.3	-289.4	510.1	493.8	16.29	31.310		
2,800.0	2,775.2	2,676.7	2,659.7	8.7	8.2	-169.57	74.3	-308.0	553.3	536.3	16.98	32.583		
2,900.0	2,872.3	2,766.6	2,747.6	9.1	8.5	-170.33	73.3	-326.7	596.6	578.9	17.69	33.729		
3,000.0	2,969.3	2,856.5	2,835.6	9.5	8.8	-170.99	72.3	-345.4	640.0	621.6	18.41	34.761		
3,100.0	3,066.3	2,946.4	2,923.5	9.9	9.2	-171.56	71.4	-364.0	683.4	664.3	19.15	35.693		
3,200.0	3,163.4	3,036.2	3,011.4	10.4	9.6	-172.07	70.4	-382.7	726.9	707.0	19.90	36.536		
3,300.0	3,260.4	3,126.1	3,099.3	10.8	9.9	-172.52	69.4	-401.3	770.4	749.7	20.65	37.300		
3,400.0	3,357.4	3,216.0	3,187.2	11.2	10.3	-172.92	68.4	-420.0	813.9	792.5	21.42	37.994		
3,500.0	3,454.4	3,305.9	3,275.1	11.7	10.7	-173.28	67.4	-438.7	857.5	835.3	22.20	38.626		
3,600.0	3,551.5	3,395.7	3,363.1	12.1	11.0	-173.61	66.5	-457.3	901.1	878.1	22.99	39.203		
3,700.0	3,648.5	3,485.6	3,451.0	12.5	11.4	-173.90	65.5	-476.0	944.8	921.0	23.78	39.731		
3,800.0	3,745.5	3,575.5	3,538.9	13.0	11.8	-174.17	64.5	-494.6	988.4	963.8	24.58	40.215		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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	-56.31	67.1	-100.7	121.0	114.0	6.98	17.334		
100.0	100.0	98.0	98.0	3.1	3.1	-56.31	67.1	-100.7	121.0	113.8	7.22	16.754		
200.0	200.0	198.0	198.0	3.2	3.2	-56.31	67.1	-100.7	121.0	113.5	7.46	16.215		
300.0	300.0	298.0	298.0	3.4	3.4	-56.31	67.1	-100.7	121.0	113.3	7.69	15.727		
400.0	400.0	398.0	398.0	3.5	3.5	-56.31	67.1	-100.7	121.0	113.1	7.92	15.278		
500.0	500.0	498.0	498.0	3.6	3.6	-56.31	67.1	-100.7	121.0	112.8	8.14	14.863		
600.0	600.0	598.0	598.0	3.7	3.7	-56.31	67.1	-100.7	121.0	112.6	8.36	14.478		
700.0	700.0	698.0	698.0	3.9	3.9	-56.31	67.1	-100.7	121.0	112.4	8.57	14.120		
800.0	800.0	798.0	798.0	4.0	4.0	-56.31	67.1	-100.7	121.0	112.2	8.78	13.785		
900.0	900.0	898.0	898.0	4.1	4.1	-56.31	67.1	-100.7	121.0	112.0	8.98	13.471		
1,000.0	1,000.0	998.0	998.0	4.2	4.2	-56.31	67.1	-100.7	121.0	111.8	9.18	13.176		
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	-56.31	67.1	-100.7	121.0	111.6	9.38	12.897		
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	-56.31	67.1	-100.7	121.0	111.4	9.58	12.634		
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	-56.31	67.1	-100.7	121.0	111.2	9.77	12.385		
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	-56.31	67.1	-100.7	121.0	111.0	9.96	12.149		
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	-56.31	67.1	-100.7	121.0	110.8	10.15	11.924 CC, ES, SF		
1,600.0	1,600.0	1,594.9	1,594.9	4.9	4.9	-144.23	66.9	-102.2	123.6	113.5	10.10	12.242		
1,700.0	1,699.8	1,691.1	1,690.9	5.1	5.1	-146.79	66.2	-107.0	131.8	121.3	10.52	12.525		
1,800.0	1,799.5	1,785.9	1,785.4	5.3	5.3	-150.38	65.1	-114.8	145.9	134.9	10.99	13.285		
1,900.0	1,898.7	1,878.8	1,877.7	5.6	5.5	-154.30	63.6	-125.4	166.5	155.0	11.49	14.484		
2,000.0	1,997.5	1,969.1	1,967.0	5.9	5.8	-158.05	61.8	-138.6	193.6	181.6	12.05	16.076		
2,100.0	2,095.6	2,060.6	2,057.2	6.3	6.1	-161.44	59.6	-154.2	226.8	214.2	12.62	17.971		
2,200.0	2,193.1	2,152.7	2,147.8	6.6	6.3	-164.20	57.4	-170.0	264.0	250.8	13.23	19.956		
2,300.0	2,290.1	2,244.1	2,237.8	6.9	6.6	-166.55	55.2	-185.7	303.2	289.4	13.80	21.968		
2,400.0	2,387.1	2,335.4	2,327.8	7.3	6.9	-168.37	52.9	-201.4	342.7	328.3	14.40	23.802		
2,500.0	2,484.1	2,426.8	2,417.8	7.6	7.2	-169.81	50.7	-217.1	382.5	367.4	15.02	25.459		
2,600.0	2,581.2	2,518.2	2,507.8	8.0	7.5	-170.99	48.5	-232.9	422.4	406.7	15.67	26.952		
2,700.0	2,678.2	2,609.5	2,597.7	8.3	7.8	-171.96	46.3	-248.6	462.4	446.1	16.34	28.297		
2,800.0	2,775.2	2,700.9	2,687.7	8.7	8.1	-172.77	44.1	-264.3	502.6	485.6	17.03	29.508		
2,900.0	2,872.3	2,792.3	2,777.7	9.1	8.5	-173.47	41.9	-280.0	542.8	525.1	17.74	30.598		
3,000.0	2,969.3	2,883.6	2,867.7	9.5	8.8	-174.07	39.7	-295.7	583.1	564.6	18.46	31.583		
3,100.0	3,066.3	2,975.0	2,957.7	9.9	9.2	-174.59	37.5	-311.4	623.4	604.2	19.20	32.474		
3,200.0	3,163.4	3,066.4	3,047.7	10.4	9.5	-175.05	35.3	-327.1	663.8	643.8	19.94	33.282		
3,300.0	3,260.4	3,157.8	3,137.6	10.8	9.9	-175.46	33.1	-342.8	704.2	683.5	20.70	34.015		
3,400.0	3,357.4	3,249.1	3,227.6	11.2	10.2	-175.82	30.9	-358.6	744.6	723.1	21.47	34.683		
3,500.0	3,454.4	3,340.5	3,317.6	11.7	10.6	-176.15	28.7	-374.3	785.0	762.8	22.24	35.293		
3,600.0	3,551.5	3,431.9	3,407.6	12.1	11.0	-176.44	26.4	-390.0	825.5	802.5	23.03	35.851		
3,700.0	3,648.5	3,523.2	3,497.6	12.5	11.3	-176.71	24.2	-405.7	866.0	842.1	23.81	36.362		
3,800.0	3,745.5	3,614.6	3,587.5	13.0	11.7	-176.95	22.0	-421.4	906.5	881.8	24.61	36.832		
3,900.0	3,842.6	3,706.0	3,677.5	13.4	12.1	-177.17	19.8	-437.1	947.0	921.5	25.41	37.265		
4,000.0	3,939.6	3,797.4	3,767.5	13.9	12.5	-177.38	17.6	-452.8	987.5	961.3	26.22	37.665		

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-56.28	50.4	-75.5	90.7	83.7	6.98	12.997	
100.0	100.0	99.0	99.0	3.1	3.1	-56.28	50.4	-75.5	90.7	83.5	7.22	12.559	
200.0	200.0	199.0	199.0	3.2	3.2	-56.28	50.4	-75.5	90.7	83.3	7.46	12.157	
300.0	300.0	299.0	299.0	3.4	3.4	-56.28	50.4	-75.5	90.7	83.0	7.69	11.791	
400.0	400.0	399.0	399.0	3.5	3.5	-56.28	50.4	-75.5	90.7	82.8	7.92	11.455	
500.0	500.0	499.0	499.0	3.6	3.6	-56.28	50.4	-75.5	90.7	82.6	8.14	11.144	
600.0	600.0	599.0	599.0	3.7	3.7	-56.28	50.4	-75.5	90.7	82.4	8.36	10.856	
700.0	700.0	699.0	699.0	3.9	3.9	-56.28	50.4	-75.5	90.7	82.2	8.57	10.587	
800.0	800.0	799.0	799.0	4.0	4.0	-56.28	50.4	-75.5	90.7	81.9	8.78	10.336	
900.0	900.0	899.0	899.0	4.1	4.1	-56.28	50.4	-75.5	90.7	81.7	8.98	10.100	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.28	50.4	-75.5	90.7	81.5	9.18	9.879	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.28	50.4	-75.5	90.7	81.3	9.38	9.670	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.28	50.4	-75.5	90.7	81.1	9.58	9.473	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.28	50.4	-75.5	90.7	81.0	9.77	9.286	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.28	50.4	-75.5	90.7	80.8	9.96	9.109	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.28	50.4	-75.5	90.7	80.6	10.15	8.940 CC, ES, SF	
1,600.0	1,600.0	1,597.6	1,597.6	4.9	4.9	-144.82	49.5	-76.9	92.9	82.8	10.06	9.233	
1,700.0	1,699.8	1,695.5	1,695.3	5.1	5.1	-149.02	46.9	-81.2	99.7	89.3	10.45	9.546	
1,800.0	1,799.5	1,793.0	1,792.6	5.3	5.2	-154.70	42.8	-88.0	112.0	101.2	10.79	10.384	
1,900.0	1,898.7	1,891.0	1,890.1	5.6	5.4	-159.96	38.4	-95.3	128.8	117.6	11.26	11.440	
2,000.0	1,997.5	1,988.2	1,986.9	5.9	5.6	-164.33	34.1	-102.6	149.8	138.0	11.79	12.705	
2,100.0	2,095.6	2,084.5	2,082.9	6.3	5.9	-167.84	29.7	-109.8	174.7	162.4	12.36	14.139	
2,200.0	2,193.1	2,179.8	2,177.9	6.6	6.1	-170.63	25.5	-116.9	203.5	190.5	12.96	15.705	
2,300.0	2,290.1	2,274.6	2,272.3	6.9	6.4	-172.87	21.2	-124.0	234.3	220.7	13.51	17.340	
2,400.0	2,387.1	2,369.4	2,366.7	7.3	6.6	-174.59	16.9	-131.1	265.3	251.2	14.09	18.833	
2,500.0	2,484.1	2,464.2	2,461.2	7.6	6.9	-175.95	12.7	-138.2	296.5	281.8	14.69	20.188	
2,600.0	2,581.2	2,559.0	2,555.6	8.0	7.2	-177.05	8.4	-145.2	327.8	312.5	15.31	21.414	
2,700.0	2,678.2	2,653.8	2,650.1	8.3	7.5	-177.96	4.2	-152.3	359.2	343.3	15.93	22.553	
2,800.0	2,775.2	2,753.7	2,749.6	8.7	7.7	-178.71	0.0	-159.2	390.1	373.5	16.59	23.521	
2,900.0	2,872.3	2,855.5	2,851.2	9.1	8.1	-179.24	-3.3	-164.8	419.7	402.4	17.29	24.275	
3,000.0	2,969.3	2,958.3	2,953.9	9.5	8.4	-179.58	-5.7	-168.8	447.7	429.7	17.99	24.887	
3,100.0	3,066.3	3,062.0	3,057.6	9.9	8.6	-179.78	-7.2	-171.2	474.3	455.6	18.68	25.384	
3,200.0	3,163.4	3,166.7	3,162.3	10.4	8.8	-179.84	-7.7	-172.1	499.2	479.9	19.30	25.862	
3,300.0	3,260.4	3,263.8	3,259.4	10.8	8.9	-179.85	-7.7	-172.1	523.4	503.6	19.82	26.410	
3,400.0	3,357.4	3,360.9	3,356.4	11.2	8.9	-179.86	-7.7	-172.1	547.6	527.3	20.36	26.894	
3,500.0	3,454.4	3,457.9	3,453.4	11.7	9.0	-179.86	-7.7	-172.1	571.8	550.9	20.92	27.340	
3,600.0	3,551.5	3,554.9	3,550.5	12.1	9.1	-179.87	-7.7	-172.1	596.0	574.5	21.48	27.752	
3,700.0	3,648.5	3,651.9	3,647.5	12.5	9.2	-179.87	-7.7	-172.1	620.2	598.2	22.05	28.133	
3,800.0	3,745.5	3,749.0	3,744.5	13.0	9.2	-179.88	-7.7	-172.1	644.4	621.8	22.62	28.486	
3,900.0	3,842.6	3,846.0	3,841.6	13.4	9.3	-179.88	-7.7	-172.1	668.6	645.4	23.20	28.813	
4,000.0	3,939.6	3,943.0	3,938.6	13.9	9.4	-179.89	-7.7	-172.1	692.8	669.0	23.79	29.117	
4,100.0	4,036.6	4,040.1	4,035.6	14.3	9.5	-179.89	-7.7	-172.1	717.0	692.6	24.39	29.399	
4,200.0	4,133.6	4,137.1	4,132.6	14.8	9.5	-179.89	-7.7	-172.1	741.2	716.2	24.99	29.661	
4,300.0	4,230.7	4,234.1	4,229.7	15.3	9.6	-179.90	-7.7	-172.1	765.4	739.8	25.59	29.905	
4,400.0	4,327.7	4,331.1	4,326.7	15.7	9.7	-179.90	-7.7	-172.1	789.6	763.3	26.20	30.133	
4,500.0	4,424.7	4,428.2	4,423.7	16.2	9.8	-179.90	-7.7	-172.1	813.7	786.9	26.82	30.345	
4,600.0	4,521.8	4,525.2	4,520.8	16.7	9.9	-179.91	-7.7	-172.1	837.9	810.5	27.43	30.544	
4,700.0	4,618.8	4,622.2	4,617.8	17.1	9.9	-179.91	-7.7	-172.1	862.1	834.1	28.06	30.730	
4,800.0	4,715.8	4,719.3	4,714.8	17.6	10.0	-179.91	-7.7	-172.1	886.3	857.6	28.68	30.904	
4,900.0	4,812.9	4,816.3	4,811.9	18.1	10.1	-179.91	-7.7	-172.1	910.5	881.2	29.31	31.067	
5,000.0	4,909.9	4,913.3	4,908.9	18.5	10.2	-179.92	-7.7	-172.1	934.7	904.8	29.94	31.220	
5,100.0	5,006.9	5,010.4	5,005.9	19.0	10.2	-179.92	-7.7	-172.1	958.9	928.3	30.57	31.364	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:		ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0											Offset Site Error:		0.0 usft	
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS											Offset Well Error:		3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
5,200.0	5,103.9	5,107.4	5,102.9	19.5	10.3	-179.92	-7.7	-172.1	983.1	951.9	31.21	31.499				

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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	-56.35	33.5	-50.3	60.5	53.5	6.98	8.662		
100.0	100.0	99.0	99.0	3.1	3.1	-56.35	33.5	-50.3	60.5	53.2	7.22	8.369		
200.0	200.0	199.0	199.0	3.2	3.2	-56.35	33.5	-50.3	60.5	53.0	7.46	8.101		
300.0	300.0	299.0	299.0	3.4	3.4	-56.35	33.5	-50.3	60.5	52.8	7.69	7.857		
400.0	400.0	399.0	399.0	3.5	3.5	-56.35	33.5	-50.3	60.5	52.5	7.92	7.633		
500.0	500.0	499.0	499.0	3.6	3.6	-56.35	33.5	-50.3	60.5	52.3	8.14	7.426		
600.0	600.0	599.0	599.0	3.7	3.7	-56.35	33.5	-50.3	60.5	52.1	8.36	7.234		
700.0	700.0	699.0	699.0	3.9	3.9	-56.35	33.5	-50.3	60.5	51.9	8.57	7.055		
800.0	800.0	799.0	799.0	4.0	4.0	-56.35	33.5	-50.3	60.5	51.7	8.78	6.887		
900.0	900.0	899.0	899.0	4.1	4.1	-56.35	33.5	-50.3	60.5	51.5	8.98	6.731		
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.35	33.5	-50.3	60.5	51.3	9.18	6.583		
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.35	33.5	-50.3	60.5	51.1	9.38	6.444		
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.35	33.5	-50.3	60.5	50.9	9.58	6.313		
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.35	33.5	-50.3	60.5	50.7	9.77	6.188		
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.35	33.5	-50.3	60.5	50.5	9.96	6.070		
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.35	33.5	-50.3	60.5	50.3	10.15	5.958 CC		
1,600.0	1,600.0	1,600.6	1,600.6	4.9	4.9	-143.26	33.7	-48.6	60.5	50.4	10.11	5.986		
1,700.0	1,699.8	1,702.2	1,702.1	5.1	5.1	-142.95	34.4	-43.2	60.7	50.2	10.56	5.753		
1,800.0	1,799.5	1,803.8	1,803.2	5.3	5.3	-142.43	35.5	-34.3	61.0	50.0	11.01	5.545 ES		
1,900.0	1,898.7	1,903.8	1,902.7	5.6	5.5	-142.87	36.7	-24.0	62.9	51.4	11.44	5.496 SF		
2,000.0	1,997.5	2,003.6	2,002.0	5.9	5.7	-145.01	38.0	-13.6	67.6	55.6	11.93	5.666		
2,100.0	2,095.6	2,103.2	2,101.0	6.3	6.0	-148.29	39.3	-3.3	75.3	62.8	12.47	6.034		
2,200.0	2,193.1	2,202.5	2,199.7	6.6	6.3	-152.04	40.5	7.0	86.3	73.2	13.09	6.588		
2,300.0	2,290.1	2,301.5	2,298.2	6.9	6.5	-155.44	41.8	17.3	99.1	85.4	13.70	7.235		
2,400.0	2,387.1	2,400.5	2,396.7	7.3	6.8	-158.06	43.1	27.6	112.2	97.9	14.33	7.830		
2,500.0	2,484.1	2,499.5	2,495.2	7.6	7.1	-160.13	44.3	37.8	125.5	110.5	14.99	8.372		
2,600.0	2,581.2	2,598.6	2,593.6	8.0	7.4	-161.80	45.6	48.1	138.9	123.3	15.68	8.864		
2,700.0	2,678.2	2,697.6	2,692.1	8.3	7.8	-163.17	46.8	58.4	152.5	136.1	16.38	9.309		
2,800.0	2,775.2	2,796.6	2,790.6	8.7	8.1	-164.33	48.1	68.7	166.1	149.0	17.10	9.711		
2,900.0	2,872.3	2,895.6	2,889.1	9.1	8.4	-165.30	49.4	78.9	179.7	161.9	17.84	10.076		
3,000.0	2,969.3	2,994.6	2,987.6	9.5	8.8	-166.14	50.6	89.2	193.4	174.8	18.59	10.405		
3,100.0	3,066.3	3,093.7	3,086.0	9.9	9.1	-166.87	51.9	99.5	207.2	187.8	19.35	10.704		
3,200.0	3,163.4	3,192.7	3,184.5	10.4	9.5	-167.51	53.2	109.7	220.9	200.8	20.13	10.976		
3,300.0	3,260.4	3,291.7	3,283.0	10.8	9.8	-168.07	54.4	120.0	234.7	213.8	20.91	11.224		
3,400.0	3,357.4	3,390.7	3,381.5	11.2	10.2	-168.57	55.7	130.3	248.5	226.8	21.70	11.450		
3,500.0	3,454.4	3,489.7	3,479.9	11.7	10.5	-169.02	56.9	140.6	262.3	239.8	22.50	11.657		
3,600.0	3,551.5	3,588.8	3,578.4	12.1	10.9	-169.42	58.2	150.8	276.2	252.8	23.31	11.847		
3,700.0	3,648.5	3,687.8	3,676.9	12.5	11.3	-169.78	59.5	161.1	290.0	265.9	24.12	12.022		
3,800.0	3,745.5	3,786.8	3,775.4	13.0	11.6	-170.11	60.7	171.4	303.9	278.9	24.94	12.183		
3,900.0	3,842.6	3,885.8	3,873.9	13.4	12.0	-170.42	62.0	181.7	317.7	292.0	25.76	12.332		
4,000.0	3,939.6	3,984.9	3,972.3	13.9	12.4	-170.69	63.2	191.9	331.6	305.0	26.59	12.470		
4,100.0	4,036.6	4,083.9	4,070.8	14.3	12.7	-170.95	64.5	202.2	345.5	318.1	27.43	12.597		
4,200.0	4,133.6	4,179.3	4,165.8	14.8	13.1	-171.18	65.7	211.8	359.7	331.5	28.22	12.745		
4,300.0	4,230.7	4,272.3	4,258.4	15.3	13.4	-171.45	66.7	219.8	375.3	346.3	29.00	12.943		
4,400.0	4,327.7	4,364.7	4,350.6	15.7	13.8	-171.73	67.5	226.2	392.6	362.8	29.76	13.190		
4,500.0	4,424.7	4,456.6	4,442.3	16.2	14.1	-172.04	68.1	231.2	411.3	380.8	30.50	13.485		
4,600.0	4,521.8	4,547.9	4,533.6	16.7	14.3	-172.36	68.5	234.6	431.7	400.4	31.22	13.827		
4,700.0	4,618.8	4,638.6	4,624.2	17.1	14.6	-172.68	68.7	236.6	453.5	421.6	31.89	14.220		
4,800.0	4,715.8	4,729.2	4,714.8	17.6	14.8	-173.02	68.8	237.2	476.9	444.4	32.50	14.673		
4,900.0	4,812.9	4,826.2	4,811.9	18.1	14.8	-173.35	68.8	237.2	500.9	467.9	33.06	15.152		
5,000.0	4,909.9	4,923.2	4,908.9	18.5	14.9	-173.66	68.8	237.2	525.0	491.4	33.63	15.611		
5,100.0	5,006.9	5,020.3	5,005.9	19.0	14.9	-173.94	68.8	237.2	549.0	514.8	34.20	16.054		

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 #706H
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 #706H	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,103.9	5,117.3	5,102.9	19.5	15.0	-174.19	68.8	237.2	573.1	538.3	34.78	16.481	
5,300.0	5,201.0	5,214.3	5,200.0	19.9	15.0	-174.43	68.8	237.2	597.2	561.8	35.35	16.892	
5,400.0	5,298.0	5,311.4	5,297.0	20.4	15.1	-174.64	68.8	237.2	621.3	585.4	35.94	17.288	
5,500.0	5,395.0	5,408.4	5,394.0	20.9	15.1	-174.84	68.8	237.2	645.4	608.9	36.52	17.671	
5,521.6	5,416.0	5,429.4	5,415.0	21.0	15.1	-174.88	68.8	237.2	650.6	613.9	36.64	17.755	
5,600.0	5,492.2	5,505.5	5,491.2	21.4	15.2	-175.04	68.8	237.2	669.0	631.9	37.10	18.033	
5,700.0	5,589.7	5,603.1	5,588.7	21.8	15.2	-175.22	68.8	237.2	690.9	653.2	37.68	18.336	
5,800.0	5,687.6	5,701.0	5,686.6	22.3	15.3	-175.37	68.8	237.2	711.1	672.9	38.26	18.589	
5,900.0	5,785.9	5,799.3	5,784.9	22.7	15.3	-175.50	68.8	237.2	729.7	690.9	38.82	18.794	
6,000.0	5,884.5	5,897.8	5,883.5	23.2	15.4	-175.62	68.8	237.2	746.5	707.1	39.39	18.954	
6,100.0	5,983.3	5,996.7	5,982.3	23.6	15.4	-175.72	68.8	237.2	761.6	721.7	39.94	19.071	
6,200.0	6,082.4	6,095.8	6,081.4	24.0	15.5	-175.80	68.8	237.2	775.0	734.5	40.48	19.147	
6,300.0	6,181.7	6,195.1	6,180.7	24.5	15.5	-175.87	68.8	237.2	786.7	745.7	41.00	19.186	
6,400.0	6,281.2	6,294.6	6,280.2	24.9	15.6	-175.93	68.8	237.2	796.6	755.1	41.51	19.190	
6,500.0	6,380.9	6,394.2	6,379.9	25.2	15.6	-175.98	68.8	237.2	804.8	762.8	42.00	19.160	
6,600.0	6,480.7	6,494.0	6,479.7	25.6	15.7	-176.01	68.8	237.2	811.3	768.8	42.47	19.101	
6,700.0	6,580.6	6,593.9	6,579.6	25.9	15.8	-176.04	68.8	237.2	816.0	773.1	42.91	19.015	
6,800.0	6,680.5	6,693.9	6,679.5	26.2	15.8	-176.06	68.8	237.2	819.0	775.7	43.31	18.909	
6,900.0	6,780.5	6,793.9	6,779.5	26.5	15.9	-176.06	68.8	237.2	820.2	776.6	43.64	18.796	
6,921.6	6,802.1	6,815.5	6,801.1	26.5	15.9	-89.06	68.8	237.2	820.3	776.6	43.67	18.783	
7,000.0	6,880.5	6,893.9	6,879.5	26.5	15.9	-89.06	68.8	237.2	820.3	776.6	43.72	18.760	
7,100.0	6,980.5	6,993.9	6,979.5	26.5	16.0	-89.06	68.8	237.2	820.3	776.5	43.80	18.728	
7,200.0	7,080.5	7,093.9	7,079.5	26.6	16.0	-89.06	68.8	237.2	820.3	776.4	43.87	18.696	
7,300.0	7,180.5	7,193.9	7,179.5	26.6	16.1	-89.06	68.8	237.2	820.3	776.3	43.95	18.664	
7,400.0	7,280.5	7,293.9	7,279.5	26.6	16.2	-89.06	68.8	237.2	820.3	776.3	44.03	18.631	
7,500.0	7,380.5	7,393.9	7,379.5	26.7	16.2	-89.06	68.8	237.2	820.3	776.2	44.10	18.599	
7,600.0	7,480.5	7,493.9	7,479.5	26.7	16.3	-89.06	68.8	237.2	820.3	776.1	44.18	18.566	
7,700.0	7,580.5	7,593.9	7,579.5	26.7	16.3	-89.06	68.8	237.2	820.3	776.0	44.26	18.534	
7,800.0	7,680.5	7,693.9	7,679.5	26.7	16.4	-89.06	68.8	237.2	820.3	775.9	44.34	18.501	
7,900.0	7,780.5	7,793.9	7,779.5	26.8	16.4	-89.06	68.8	237.2	820.3	775.9	44.42	18.468	
8,000.0	7,880.5	7,893.9	7,879.5	26.8	16.5	-89.06	68.8	237.2	820.3	775.8	44.49	18.435	
8,100.0	7,980.5	7,993.9	7,979.5	26.8	16.6	-89.06	68.8	237.2	820.3	775.7	44.57	18.403	
8,200.0	8,080.5	8,093.9	8,079.5	26.9	16.6	-89.06	68.8	237.2	820.3	775.6	44.65	18.370	
8,300.0	8,180.5	8,193.9	8,179.5	26.9	16.7	-89.06	68.8	237.2	820.3	775.5	44.73	18.337	
8,400.0	8,280.5	8,293.9	8,279.5	26.9	16.7	-89.06	68.8	237.2	820.3	775.5	44.82	18.303	
8,500.0	8,380.5	8,393.9	8,379.5	27.0	16.8	-89.06	68.8	237.2	820.3	775.4	44.90	18.270	
8,600.0	8,480.5	8,493.9	8,479.5	27.0	16.9	-89.06	68.8	237.2	820.3	775.3	44.98	18.237	
8,700.0	8,580.5	8,593.9	8,579.5	27.0	16.9	-89.06	68.8	237.2	820.3	775.2	45.06	18.204	
8,800.0	8,680.5	8,693.9	8,679.5	27.1	17.0	-89.06	68.8	237.2	820.3	775.1	45.14	18.171	
8,900.0	8,780.5	8,793.9	8,779.5	27.1	17.0	-89.06	68.8	237.2	820.3	775.1	45.23	18.137	
9,000.0	8,880.5	8,893.9	8,879.5	27.1	17.1	-89.06	68.8	237.2	820.3	775.0	45.31	18.104	
9,100.0	8,980.5	8,993.9	8,979.5	27.2	17.2	-89.06	68.8	237.2	820.3	774.9	45.39	18.070	
9,200.0	9,080.5	9,093.9	9,079.5	27.2	17.2	-89.06	68.8	237.2	820.3	774.8	45.48	18.037	
9,300.0	9,180.5	9,193.9	9,179.5	27.2	17.3	-89.06	68.8	237.2	820.3	774.7	45.56	18.003	
9,400.0	9,280.5	9,293.9	9,279.5	27.3	17.3	-89.06	68.8	237.2	820.3	774.6	45.65	17.970	
9,500.0	9,380.5	9,393.9	9,379.5	27.3	17.4	-89.06	68.8	237.2	820.3	774.5	45.73	17.936	
9,600.0	9,480.5	9,493.9	9,479.5	27.3	17.5	-89.06	68.8	237.2	820.3	774.5	45.82	17.902	
9,700.0	9,580.5	9,593.9	9,579.5	27.4	17.5	-89.06	68.8	237.2	820.3	774.4	45.91	17.869	
9,800.0	9,680.5	9,693.9	9,679.5	27.4	17.6	-89.06	68.8	237.2	820.3	774.3	45.99	17.835	
9,900.0	9,780.5	9,793.9	9,779.5	27.4	17.6	-89.06	68.8	237.2	820.3	774.2	46.08	17.801	
10,000.0	9,880.5	9,893.9	9,879.5	27.5	17.7	-89.06	68.8	237.2	820.3	774.1	46.17	17.767	
10,100.0	9,980.5	9,993.9	9,979.5	27.5	17.8	-89.06	68.8	237.2	820.3	774.0	46.26	17.734	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	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)		
10,200.0	10,080.5	10,093.9	10,079.5	27.5	17.8	-89.06	68.8	237.2	820.3	773.9	46.34	17.700	
10,300.0	10,180.5	10,193.9	10,179.5	27.6	17.9	-89.06	68.8	237.2	820.3	773.8	46.43	17.666	
10,400.0	10,280.5	10,293.9	10,279.5	27.6	18.0	-89.06	68.8	237.2	820.3	773.8	46.52	17.632	
10,500.0	10,380.5	10,393.9	10,379.5	27.6	18.0	-89.06	68.8	237.2	820.3	773.7	46.61	17.598	
10,600.0	10,480.5	10,493.9	10,479.5	27.7	18.1	-89.06	68.8	237.2	820.3	773.6	46.70	17.564	
10,700.0	10,580.5	10,593.9	10,579.5	27.7	18.1	-89.06	68.8	237.2	820.3	773.5	46.79	17.530	
10,800.0	10,680.5	10,693.9	10,679.5	27.7	18.2	-89.06	68.8	237.2	820.3	773.4	46.88	17.496	
10,900.0	10,780.5	10,793.9	10,779.5	27.8	18.3	-89.06	68.8	237.2	820.3	773.3	46.97	17.462	
11,000.0	10,880.5	10,893.9	10,879.5	27.8	18.3	-89.06	68.8	237.2	820.3	773.2	47.07	17.428	
11,100.0	10,980.5	10,993.9	10,979.5	27.9	18.4	-89.06	68.8	237.2	820.3	773.1	47.16	17.395	
11,200.0	11,080.5	11,093.9	11,079.5	27.9	18.5	-89.06	68.8	237.2	820.3	773.0	47.25	17.361	
11,300.0	11,180.5	11,193.9	11,179.5	27.9	18.5	-89.06	68.8	237.2	820.3	772.9	47.34	17.327	
11,400.0	11,280.5	11,293.9	11,279.5	28.0	18.6	-89.06	68.8	237.2	820.3	772.8	47.44	17.293	
11,500.0	11,380.5	11,393.9	11,379.5	28.0	18.7	-89.06	68.8	237.2	820.3	772.7	47.53	17.259	
11,537.7	11,418.2	11,431.5	11,417.2	28.0	18.7	-89.06	68.8	237.2	820.3	772.7	47.55	17.252	
11,557.0	11,437.5	11,450.9	11,436.5	28.0	18.7	-89.06	68.8	237.2	820.3	772.8	47.47	17.281	
11,575.0	11,455.5	11,468.1	11,453.7	28.0	18.7	-88.54	69.2	237.2	820.3	772.9	47.33	17.330	
11,600.0	11,480.4	11,492.0	11,477.6	28.0	18.7	-88.54	70.7	237.2	820.3	772.9	47.33	17.331	
11,625.0	11,505.3	11,516.0	11,501.4	28.0	18.7	-88.55	73.4	237.2	820.3	772.9	47.33	17.332	
11,650.0	11,529.9	11,539.9	11,525.0	28.0	18.7	-88.55	77.3	237.2	820.3	772.9	47.33	17.332	
11,675.0	11,554.3	11,563.9	11,548.5	28.0	18.7	-88.57	82.4	237.1	820.3	772.9	47.33	17.332	
11,700.0	11,578.4	11,587.9	11,571.6	28.0	18.7	-88.58	88.6	237.1	820.3	772.9	47.33	17.332	
11,725.0	11,602.1	11,611.9	11,594.4	28.0	18.7	-88.60	96.0	237.0	820.3	772.9	47.33	17.331	
11,750.0	11,625.3	11,635.9	11,616.8	28.0	18.7	-88.63	104.6	236.9	820.2	772.9	47.33	17.330	
11,775.0	11,648.0	11,659.9	11,638.8	28.0	18.7	-88.65	114.2	236.8	820.2	772.9	47.33	17.329	
11,800.0	11,670.1	11,683.9	11,660.3	28.0	18.7	-88.69	125.0	236.7	820.2	772.9	47.34	17.327	
11,825.0	11,691.7	11,708.0	11,681.2	28.0	18.7	-88.72	136.9	236.6	820.2	772.9	47.35	17.324	
11,850.0	11,712.5	11,732.1	11,701.6	28.0	18.7	-88.76	149.8	236.5	820.2	772.9	47.35	17.321	
11,875.0	11,732.5	11,756.2	11,721.2	28.0	18.7	-88.80	163.7	236.4	820.2	772.8	47.36	17.317	
11,900.0	11,751.8	11,780.3	11,740.2	28.0	18.7	-88.84	178.6	236.2	820.2	772.8	47.38	17.312	
11,925.0	11,770.1	11,804.5	11,758.4	28.0	18.7	-88.89	194.5	236.1	820.2	772.8	47.39	17.306	
11,950.0	11,787.6	11,828.7	11,775.8	28.1	18.7	-88.94	211.3	235.9	820.2	772.7	47.41	17.300	
11,975.0	11,804.1	11,852.9	11,792.4	28.1	18.7	-89.00	229.0	235.8	820.1	772.7	47.43	17.292	
12,000.0	11,819.6	11,877.2	11,808.0	28.1	18.8	-89.05	247.6	235.6	820.1	772.7	47.45	17.284	
12,025.0	11,834.1	11,901.5	11,822.8	28.1	18.8	-89.11	266.9	235.4	820.1	772.6	47.48	17.274	
12,050.0	11,847.5	11,925.9	11,836.5	28.1	18.8	-89.17	287.0	235.2	820.1	772.6	47.50	17.264	
12,075.0	11,859.7	11,950.0	11,849.1	28.1	18.8	-89.23	307.6	235.1	820.1	772.6	47.53	17.252	
12,100.0	11,870.8	11,974.7	11,860.9	28.1	18.8	-89.30	329.3	234.9	820.1	772.5	47.57	17.239	
12,125.0	11,880.7	11,999.2	11,871.4	28.1	18.8	-89.37	351.4	234.7	820.1	772.5	47.61	17.226	
12,150.0	11,889.4	12,023.7	11,880.9	28.1	18.8	-89.44	374.1	234.5	820.1	772.4	47.65	17.210	
12,175.0	11,896.9	12,048.3	11,889.1	28.2	18.9	-89.51	397.2	234.2	820.0	772.3	47.69	17.194	
12,200.0	11,903.1	12,073.0	11,896.2	28.2	18.9	-89.58	420.8	234.0	820.0	772.3	47.74	17.177	
12,225.0	11,908.0	12,097.7	11,902.1	28.2	18.9	-89.65	444.8	233.8	820.0	772.2	47.79	17.158	
12,250.0	11,911.6	12,122.4	11,906.7	28.2	18.9	-89.73	469.1	233.6	820.0	772.2	47.85	17.138	
12,275.0	11,913.9	12,147.2	11,910.1	28.2	19.0	-89.80	493.7	233.4	820.0	772.1	47.90	17.118	
12,300.0	11,914.9	12,172.1	11,912.2	28.3	19.0	-89.88	518.4	233.1	820.0	772.0	47.97	17.096	
12,307.0	11,915.0	12,179.1	11,912.5	28.3	19.0	-89.90	525.4	233.1	820.0	772.0	47.98	17.089	
12,346.0	11,915.0	12,218.0	11,913.0	28.3	19.1	-89.93	564.4	232.7	820.0	771.9	48.09	17.052	
12,400.0	11,915.0	12,272.0	11,913.0	28.4	19.2	-89.93	618.3	232.2	820.0	771.8	48.24	17.000	
12,500.0	11,915.0	12,372.0	11,913.0	28.5	19.4	-89.93	718.3	231.3	820.0	771.5	48.55	16.889	
12,600.0	11,915.0	12,472.0	11,913.0	28.7	19.6	-89.93	818.3	230.4	820.0	771.1	48.91	16.764	
12,700.0	11,915.0	12,572.0	11,913.0	28.8	19.8	-89.93	918.3	229.5	820.0	770.7	49.32	16.627	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,800.0	11,915.0	12,672.0	11,913.0	29.0	20.1	-89.93	1,018.3	228.6	820.0	770.2	49.77	16.477	
12,900.0	11,915.0	12,772.0	11,913.0	29.3	20.4	-89.93	1,118.3	227.6	820.0	769.8	50.26	16.317	
13,000.0	11,915.0	12,872.0	11,913.0	29.5	20.7	-89.93	1,218.3	226.7	820.0	769.2	50.79	16.147	
13,100.0	11,915.0	12,972.0	11,913.0	29.7	21.1	-89.93	1,318.3	225.8	820.0	768.7	51.35	15.968	
13,200.0	11,915.0	13,072.0	11,913.0	30.0	21.4	-89.93	1,418.3	224.9	820.0	768.1	51.96	15.781	
13,300.0	11,915.0	13,172.0	11,913.0	30.3	21.8	-89.93	1,518.3	224.0	820.0	767.4	52.60	15.588	
13,400.0	11,915.0	13,272.0	11,913.0	30.6	22.2	-89.93	1,618.3	223.1	820.0	766.7	53.28	15.390	
13,500.0	11,915.0	13,372.0	11,913.0	30.9	22.7	-89.93	1,718.3	222.2	820.0	766.0	53.99	15.187	
13,600.0	11,915.0	13,472.0	11,913.0	31.3	23.1	-89.93	1,818.3	221.3	820.0	765.3	54.74	14.980	
13,700.0	11,915.0	13,572.0	11,913.0	31.6	23.6	-89.93	1,918.3	220.3	820.0	764.5	55.51	14.771	
13,800.0	11,915.0	13,672.0	11,913.0	32.0	24.1	-89.93	2,018.3	219.4	820.0	763.7	56.32	14.560	
13,900.0	11,915.0	13,772.0	11,913.0	32.4	24.6	-89.93	2,118.3	218.5	820.0	762.9	57.15	14.347	
14,000.0	11,915.0	13,872.0	11,913.0	32.8	25.1	-89.93	2,218.3	217.6	820.0	762.0	58.02	14.134	
14,100.0	11,915.0	13,972.0	11,913.0	33.2	25.6	-89.93	2,318.3	216.7	820.0	761.1	58.90	13.921	
14,200.0	11,915.0	14,072.0	11,913.0	33.6	26.1	-89.93	2,418.3	215.8	820.0	760.2	59.82	13.709	
14,300.0	11,915.0	14,172.0	11,913.0	34.0	26.7	-89.93	2,518.3	214.9	820.0	759.3	60.75	13.497	
14,400.0	11,915.0	14,272.0	11,913.0	34.5	27.2	-89.93	2,618.2	213.9	820.0	758.3	61.71	13.287	
14,500.0	11,915.0	14,372.0	11,913.0	34.9	27.8	-89.93	2,718.2	213.0	820.0	757.3	62.69	13.079	
14,600.0	11,915.0	14,472.0	11,913.0	35.4	28.3	-89.93	2,818.2	212.1	820.0	756.3	63.70	12.874	
14,700.0	11,915.0	14,572.0	11,913.0	35.9	28.9	-89.93	2,918.2	211.2	820.0	755.3	64.72	12.670	
14,800.0	11,915.0	14,672.0	11,913.0	36.4	29.5	-89.93	3,018.2	210.3	820.0	754.3	65.76	12.470	
14,900.0	11,915.0	14,772.0	11,913.0	36.8	30.1	-89.93	3,118.2	209.4	820.0	753.2	66.82	12.273	
15,000.0	11,915.0	14,872.0	11,913.0	37.4	30.7	-89.93	3,218.2	208.5	820.0	752.1	67.89	12.078	
15,100.0	11,915.0	14,972.0	11,913.0	37.9	31.3	-89.93	3,318.2	207.5	820.0	751.0	68.98	11.887	
15,200.0	11,915.0	15,072.0	11,913.0	38.4	31.9	-89.93	3,418.2	206.6	820.0	749.9	70.09	11.699	
15,300.0	11,915.0	15,172.0	11,913.0	38.9	32.6	-89.93	3,518.2	205.7	820.0	748.8	71.21	11.515	
15,400.0	11,915.0	15,272.0	11,913.0	39.5	33.2	-89.93	3,618.2	204.8	820.0	747.7	72.35	11.334	
15,500.0	11,915.0	15,372.0	11,913.0	40.0	33.8	-89.93	3,718.2	203.9	820.0	746.5	73.50	11.157	
15,600.0	11,915.0	15,472.0	11,913.0	40.5	34.5	-89.93	3,818.2	203.0	820.0	745.3	74.66	10.983	
15,700.0	11,915.0	15,572.0	11,913.0	41.1	35.1	-89.93	3,918.2	202.1	820.0	744.2	75.84	10.813	
15,800.0	11,915.0	15,672.0	11,913.0	41.7	35.8	-89.93	4,018.2	201.2	820.0	743.0	77.02	10.647	
15,900.0	11,915.0	15,772.0	11,913.0	42.2	36.4	-89.93	4,118.2	200.2	820.0	741.8	78.22	10.484	
16,000.0	11,915.0	15,872.0	11,913.0	42.8	37.1	-89.93	4,218.2	199.3	820.0	740.6	79.43	10.324	
16,100.0	11,915.0	15,972.0	11,913.0	43.4	37.8	-89.93	4,318.2	198.4	820.0	739.4	80.64	10.168	
16,200.0	11,915.0	16,072.0	11,913.0	44.0	38.4	-89.93	4,418.2	197.5	820.0	738.1	81.87	10.016	
16,300.0	11,915.0	16,172.0	11,913.0	44.6	39.1	-89.93	4,518.2	196.6	820.0	736.9	83.11	9.867	
16,400.0	11,915.0	16,272.0	11,913.0	45.2	39.8	-89.93	4,618.2	195.7	820.0	735.7	84.35	9.721	
16,500.0	11,915.0	16,372.0	11,913.0	45.8	40.4	-89.93	4,718.2	194.8	820.0	734.4	85.61	9.579	
16,600.0	11,915.0	16,472.0	11,913.0	46.4	41.1	-89.93	4,818.2	193.8	820.0	733.1	86.87	9.439	
16,700.0	11,915.0	16,572.0	11,913.0	47.0	41.8	-89.93	4,918.1	192.9	820.0	731.9	88.14	9.303	
16,800.0	11,915.0	16,672.0	11,913.0	47.6	42.5	-89.93	5,018.1	192.0	820.0	730.6	89.42	9.171	
16,900.0	11,915.0	16,772.0	11,913.0	48.2	43.2	-89.93	5,118.1	191.1	820.0	729.3	90.70	9.041	
17,000.0	11,915.0	16,872.0	11,913.0	48.9	43.9	-89.93	5,218.1	190.2	820.0	728.0	91.99	8.914	
17,100.0	11,915.0	16,972.0	11,913.0	49.5	44.6	-89.93	5,318.1	189.3	820.0	726.7	93.29	8.790	
17,200.0	11,915.0	17,072.0	11,913.0	50.1	45.3	-89.93	5,418.1	188.4	820.0	725.4	94.59	8.669	
17,300.0	11,915.0	17,172.0	11,913.0	50.7	46.0	-89.93	5,518.1	187.4	820.0	724.1	95.90	8.550	
17,400.0	11,915.0	17,272.0	11,913.0	51.4	46.7	-89.93	5,618.1	186.5	820.0	722.8	97.22	8.435	
17,500.0	11,915.0	17,372.0	11,913.0	52.0	47.4	-89.93	5,718.1	185.6	820.0	721.5	98.54	8.321	
17,600.0	11,915.0	17,472.0	11,913.0	52.7	48.1	-89.93	5,818.1	184.7	820.0	720.1	99.87	8.211	
17,700.0	11,915.0	17,572.0	11,913.0	53.3	48.8	-89.93	5,918.1	183.8	820.0	718.8	101.20	8.103	
17,800.0	11,915.0	17,672.0	11,913.0	54.0	49.5	-89.93	6,018.1	182.9	820.0	717.5	102.54	7.997	
17,900.0	11,915.0	17,772.0	11,913.0	54.6	50.2	-89.93	6,118.1	182.0	820.0	716.1	103.88	7.894	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Rule Assigned:	
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
18,000.0	11,915.0	17,872.0	11,913.0	55.3	50.9	-89.93	6,218.1	181.1	820.0	714.8	105.22	7.793	
18,100.0	11,915.0	17,972.0	11,913.0	55.9	51.6	-89.93	6,318.1	180.1	820.0	713.4	106.57	7.694	
18,200.0	11,915.0	18,072.0	11,913.0	56.6	52.3	-89.93	6,418.1	179.2	820.0	712.1	107.93	7.598	
18,300.0	11,915.0	18,172.0	11,913.0	57.3	53.0	-89.93	6,518.1	178.3	820.0	710.7	109.28	7.503	
18,400.0	11,915.0	18,272.0	11,913.0	57.9	53.7	-89.93	6,618.1	177.4	820.0	709.4	110.65	7.411	
18,500.0	11,915.0	18,372.0	11,913.0	58.6	54.5	-89.93	6,718.1	176.5	820.0	708.0	112.01	7.321	
18,600.0	11,915.0	18,472.0	11,913.0	59.3	55.2	-89.93	6,818.1	175.6	820.0	706.6	113.38	7.232	
18,700.0	11,915.0	18,572.0	11,913.0	60.0	55.9	-89.93	6,918.1	174.7	820.0	705.3	114.75	7.146	
18,800.0	11,915.0	18,672.0	11,913.0	60.6	56.6	-89.93	7,018.1	173.7	820.0	703.9	116.13	7.061	
18,900.0	11,915.0	18,772.0	11,913.0	61.3	57.3	-89.93	7,118.1	172.8	820.0	702.5	117.51	6.978	
19,000.0	11,915.0	18,872.0	11,913.0	62.0	58.1	-89.93	7,218.1	171.9	820.0	701.1	118.89	6.897	
19,100.0	11,915.0	18,972.0	11,913.0	62.7	58.8	-89.93	7,318.0	171.0	820.0	699.7	120.28	6.818	
19,200.0	11,915.0	19,072.0	11,913.0	63.4	59.5	-89.93	7,418.0	170.1	820.0	698.3	121.66	6.740	
19,300.0	11,915.0	19,172.0	11,913.0	64.0	60.2	-89.93	7,518.0	169.2	820.0	697.0	123.05	6.664	
19,400.0	11,915.0	19,272.0	11,913.0	64.7	61.0	-89.93	7,618.0	168.3	820.0	695.6	124.45	6.589	
19,500.0	11,915.0	19,372.0	11,913.0	65.4	61.7	-89.93	7,718.0	167.3	820.0	694.2	125.84	6.516	
19,600.0	11,915.0	19,472.0	11,913.0	66.1	62.4	-89.93	7,818.0	166.4	820.0	692.8	127.24	6.444	
19,640.7	11,915.0	19,512.7	11,913.0	66.4	62.7	-89.93	7,858.8	166.1	820.0	692.2	127.81	6.416	
19,690.7	11,915.0	19,562.7	11,913.0	66.7	63.1	-89.93	7,908.7	165.6	820.0	691.5	128.51	6.381	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-56.39	16.7	-25.2	30.3	23.3	6.98	4.334		
100.0	100.0	100.0	100.0	3.1	3.1	-56.39	16.7	-25.2	30.3	23.0	7.23	4.188		
200.0	200.0	200.0	200.0	3.2	3.2	-56.39	16.7	-25.2	30.3	22.8	7.46	4.054		
300.0	300.0	300.0	300.0	3.4	3.4	-56.39	16.7	-25.2	30.3	22.6	7.70	3.932		
400.0	400.0	400.0	400.0	3.5	3.5	-56.39	16.7	-25.2	30.3	22.3	7.92	3.820		
500.0	500.0	500.0	500.0	3.6	3.6	-56.39	16.7	-25.2	30.3	22.1	8.14	3.716		
600.0	600.0	600.0	600.0	3.7	3.7	-56.39	16.7	-25.2	30.3	21.9	8.36	3.620		
700.0	700.0	700.0	700.0	3.9	3.9	-56.39	16.7	-25.2	30.3	21.7	8.57	3.531		
800.0	800.0	800.0	800.0	4.0	4.0	-56.39	16.7	-25.2	30.3	21.5	8.78	3.447		
900.0	900.0	900.0	900.0	4.1	4.1	-56.39	16.7	-25.2	30.3	21.3	8.98	3.369		
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-56.39	16.7	-25.2	30.3	21.1	9.18	3.295		
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-56.39	16.7	-25.2	30.3	20.9	9.38	3.225		
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	-56.39	16.7	-25.2	30.3	20.7	9.58	3.160		
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-56.39	16.7	-25.2	30.3	20.5	9.77	3.097		
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	-56.39	16.7	-25.2	30.3	20.3	9.96	3.038		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-56.39	16.7	-25.2	30.3	20.1	10.15	2.982 CC		
1,600.0	1,600.0	1,600.8	1,600.8	4.9	4.9	-143.28	16.9	-23.4	30.3	20.2	10.12	2.994		
1,700.0	1,699.8	1,701.7	1,701.5	5.1	5.1	-142.95	17.4	-18.1	30.4	19.8	10.56	2.875		
1,800.0	1,799.5	1,802.5	1,801.9	5.3	5.3	-142.41	18.1	-9.3	30.5	19.5	11.02	2.768		
1,900.0	1,898.7	1,903.3	1,902.0	5.6	5.6	-141.66	19.2	3.0	30.7	19.2	11.48	2.672		
2,000.0	1,997.5	2,004.1	2,001.5	5.9	5.9	-140.71	20.6	18.9	30.9	19.0	11.96	2.586 ES, SF		
2,100.0	2,095.6	2,104.1	2,100.0	6.3	6.2	-141.82	22.1	36.2	32.7	20.2	12.48	2.620		
2,200.0	2,193.1	2,203.9	2,198.3	6.6	6.5	-146.02	23.6	53.4	37.3	24.2	13.10	2.846		
2,300.0	2,290.1	2,303.7	2,296.5	6.9	6.8	-150.50	25.1	70.7	43.6	29.8	13.76	3.166		
2,400.0	2,387.1	2,403.4	2,394.8	7.3	7.1	-153.83	26.6	87.9	50.0	35.6	14.44	3.465		
2,500.0	2,484.1	2,503.2	2,493.0	7.6	7.4	-156.40	28.2	105.2	56.6	41.5	15.14	3.739		
2,600.0	2,581.2	2,602.9	2,591.3	8.0	7.8	-158.43	29.7	122.5	63.3	47.4	15.88	3.987		
2,700.0	2,678.2	2,702.7	2,689.5	8.3	8.1	-160.07	31.2	139.7	70.1	53.4	16.63	4.213		
2,800.0	2,775.2	2,802.5	2,787.7	8.7	8.5	-161.42	32.7	157.0	76.8	59.4	17.40	4.417		
2,900.0	2,872.3	2,902.2	2,886.0	9.1	8.9	-162.55	34.2	174.2	83.7	65.5	18.19	4.601		
3,000.0	2,969.3	3,002.0	2,984.2	9.5	9.3	-163.51	35.7	191.5	90.5	71.6	18.99	4.768		
3,100.0	3,066.3	3,101.7	3,082.4	9.9	9.6	-164.34	37.2	208.7	97.4	77.6	19.80	4.919		
3,200.0	3,163.4	3,201.5	3,180.7	10.4	10.0	-165.05	38.7	226.0	104.3	83.7	20.63	5.057		
3,300.0	3,260.4	3,301.2	3,278.9	10.8	10.4	-165.68	40.2	243.3	111.2	89.8	21.47	5.182		
3,400.0	3,357.4	3,401.0	3,377.2	11.2	10.8	-166.23	41.7	260.5	118.2	95.8	22.31	5.296		
3,500.0	3,454.4	3,500.7	3,475.4	11.7	11.2	-166.72	43.3	277.8	125.1	101.9	23.16	5.400		
3,600.0	3,551.5	3,600.5	3,573.6	12.1	11.7	-167.16	44.8	295.0	132.0	108.0	24.02	5.496		
3,700.0	3,648.5	3,700.2	3,671.9	12.5	12.1	-167.56	46.3	312.3	139.0	114.1	24.89	5.584		
3,800.0	3,745.5	3,800.0	3,770.1	13.0	12.5	-167.92	47.8	329.5	145.9	120.2	25.76	5.665		
3,900.0	3,842.6	3,899.7	3,868.4	13.4	12.9	-168.24	49.3	346.8	152.9	126.3	26.64	5.739		
4,000.0	3,939.6	3,999.5	3,966.6	13.9	13.3	-168.54	50.8	364.0	159.9	132.3	27.52	5.808		
4,100.0	4,036.6	4,099.3	4,064.8	14.3	13.8	-168.81	52.3	381.3	166.8	138.4	28.41	5.872		
4,200.0	4,133.6	4,199.0	4,163.1	14.8	14.2	-169.06	53.8	398.6	173.8	144.5	29.30	5.932		
4,300.0	4,230.7	4,298.8	4,261.3	15.3	14.6	-169.30	55.3	415.8	180.8	150.6	30.19	5.987		
4,400.0	4,327.7	4,398.5	4,359.5	15.7	15.0	-169.51	56.8	433.1	187.8	156.7	31.09	6.039		
4,500.0	4,424.7	4,498.3	4,457.8	16.2	15.5	-169.71	58.4	450.3	194.7	162.8	31.99	6.087		
4,600.0	4,521.8	4,598.0	4,556.0	16.7	15.9	-169.89	59.9	467.6	201.7	168.8	32.89	6.133		
4,700.0	4,618.8	4,696.7	4,653.2	17.1	16.3	-170.07	61.3	484.5	208.9	175.1	33.77	6.185		
4,800.0	4,715.8	4,794.6	4,749.8	17.6	16.7	-170.28	62.7	500.5	216.8	182.1	34.66	6.255		
4,900.0	4,812.9	4,892.3	4,846.3	18.1	17.1	-170.52	64.1	515.6	225.6	190.0	35.55	6.345		
5,000.0	4,909.9	4,989.9	4,942.9	18.5	17.6	-170.78	65.3	530.0	235.2	198.8	36.44	6.455		
5,100.0	5,006.9	5,087.4	5,039.4	19.0	18.0	-171.05	66.5	543.4	245.6	208.3	37.32	6.582		

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 #706H
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 #706H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
5,200.0	5,103.9	5,184.6	5,135.8	19.5	18.4	-171.34		67.6	556.1	256.9	218.7	38.19	6.727
5,300.0	5,201.0	5,281.7	5,232.1	19.9	18.8	-171.64		68.6	567.9	269.0	230.0	39.06	6.888
5,400.0	5,298.0	5,378.6	5,328.4	20.4	19.2	-171.93		69.6	578.8	282.0	242.0	39.92	7.064
5,500.0	5,395.0	5,475.2	5,424.5	20.9	19.5	-172.23		70.5	589.0	295.7	255.0	40.77	7.254
5,521.6	5,416.0	5,496.1	5,445.2	21.0	19.6	-172.30		70.7	591.0	298.8	257.9	40.94	7.298
5,600.0	5,492.2	5,571.7	5,520.5	21.4	19.9	-172.53		71.3	598.3	309.8	268.2	41.59	7.449
5,700.0	5,589.7	5,668.2	5,616.6	21.8	20.3	-172.80		72.0	606.8	323.1	280.6	42.41	7.617
5,800.0	5,687.6	5,764.6	5,712.8	22.3	20.6	-173.02		72.7	614.5	335.4	292.2	43.21	7.763
5,900.0	5,785.9	5,861.1	5,809.0	22.7	21.0	-173.22		73.3	621.3	346.9	302.9	43.98	7.886
6,000.0	5,884.5	5,957.6	5,905.3	23.2	21.3	-173.39		73.8	627.4	357.4	312.7	44.73	7.990
6,100.0	5,983.3	6,054.1	6,001.7	23.6	21.7	-173.55		74.3	632.7	367.1	321.6	45.46	8.075
6,200.0	6,082.4	6,150.7	6,098.1	24.0	22.0	-173.68		74.7	637.2	375.9	329.7	46.16	8.143
6,300.0	6,181.7	6,247.2	6,194.6	24.5	22.3	-173.79		75.0	640.8	383.8	336.9	46.83	8.195
6,400.0	6,281.2	6,343.7	6,291.0	24.9	22.6	-173.89		75.3	643.7	390.8	343.3	47.46	8.233
6,500.0	6,380.9	6,440.2	6,387.5	25.2	22.9	-173.98		75.4	645.7	396.8	348.8	48.06	8.258
6,600.0	6,480.7	6,536.8	6,484.1	25.6	23.1	-174.06		75.6	646.9	402.0	353.4	48.60	8.273
6,700.0	6,580.6	6,633.3	6,580.6	25.9	23.3	-174.12		75.6	647.3	406.3	357.3	49.04	8.285
6,800.0	6,680.5	6,733.2	6,680.5	26.2	23.3	-174.16		75.6	647.3	409.3	359.9	49.38	8.289
6,900.0	6,780.5	6,833.2	6,780.5	26.5	23.3	-174.18		75.6	647.3	410.5	360.9	49.66	8.267
6,921.6	6,802.1	6,854.8	6,802.1	26.5	23.3	-87.18		75.6	647.3	410.6	360.9	49.69	8.263
7,000.0	6,880.5	6,933.2	6,880.5	26.5	23.4	-87.18		75.6	647.3	410.6	360.8	49.73	8.256
7,100.0	6,980.5	7,033.2	6,980.5	26.5	23.4	-87.18		75.6	647.3	410.6	360.8	49.79	8.246
7,200.0	7,080.5	7,133.2	7,080.5	26.6	23.4	-87.18		75.6	647.3	410.6	360.7	49.85	8.236
7,300.0	7,180.5	7,233.2	7,180.5	26.6	23.5	-87.18		75.6	647.3	410.6	360.7	49.91	8.226
7,400.0	7,280.5	7,333.2	7,280.5	26.6	23.5	-87.18		75.6	647.3	410.6	360.6	49.98	8.215
7,500.0	7,380.5	7,433.2	7,380.5	26.7	23.5	-87.18		75.6	647.3	410.6	360.5	50.04	8.205
7,600.0	7,480.5	7,533.2	7,480.5	26.7	23.6	-87.18		75.6	647.3	410.6	360.5	50.10	8.195
7,700.0	7,580.5	7,633.2	7,580.5	26.7	23.6	-87.18		75.6	647.3	410.6	360.4	50.17	8.184
7,800.0	7,680.5	7,733.2	7,680.5	26.7	23.6	-87.18		75.6	647.3	410.6	360.3	50.23	8.174
7,900.0	7,780.5	7,833.2	7,780.5	26.8	23.7	-87.18		75.6	647.3	410.6	360.3	50.29	8.163
8,000.0	7,880.5	7,933.2	7,880.5	26.8	23.7	-87.18		75.6	647.3	410.6	360.2	50.36	8.153
8,100.0	7,980.5	8,033.2	7,980.5	26.8	23.7	-87.18		75.6	647.3	410.6	360.1	50.43	8.142
8,200.0	8,080.5	8,133.2	8,080.5	26.9	23.8	-87.18		75.6	647.3	410.6	360.1	50.49	8.132
8,300.0	8,180.5	8,233.2	8,180.5	26.9	23.8	-87.18		75.6	647.3	410.6	360.0	50.56	8.121
8,400.0	8,280.5	8,333.2	8,280.5	26.9	23.9	-87.18		75.6	647.3	410.6	359.9	50.62	8.110
8,500.0	8,380.5	8,433.2	8,380.5	27.0	23.9	-87.18		75.6	647.3	410.6	359.9	50.69	8.099
8,600.0	8,480.5	8,533.2	8,480.5	27.0	23.9	-87.18		75.6	647.3	410.6	359.8	50.76	8.089
8,700.0	8,580.5	8,633.2	8,580.5	27.0	24.0	-87.18		75.6	647.3	410.6	359.7	50.83	8.078
8,800.0	8,680.5	8,733.2	8,680.5	27.1	24.0	-87.18		75.6	647.3	410.6	359.7	50.90	8.067
8,900.0	8,780.5	8,833.2	8,780.5	27.1	24.0	-87.18		75.6	647.3	410.6	359.6	50.96	8.056
9,000.0	8,880.5	8,933.2	8,880.5	27.1	24.1	-87.18		75.6	647.3	410.6	359.5	51.03	8.045
9,100.0	8,980.5	9,033.2	8,980.5	27.2	24.1	-87.18		75.6	647.3	410.6	359.5	51.10	8.034
9,200.0	9,080.5	9,133.2	9,080.5	27.2	24.2	-87.18		75.6	647.3	410.6	359.4	51.17	8.023
9,300.0	9,180.5	9,233.2	9,180.5	27.2	24.2	-87.18		75.6	647.3	410.6	359.3	51.24	8.012
9,400.0	9,280.5	9,333.2	9,280.5	27.3	24.2	-87.18		75.6	647.3	410.6	359.3	51.31	8.001
9,500.0	9,380.5	9,433.2	9,380.5	27.3	24.3	-87.18		75.6	647.3	410.6	359.2	51.39	7.990
9,600.0	9,480.5	9,533.2	9,480.5	27.3	24.3	-87.18		75.6	647.3	410.6	359.1	51.46	7.979
9,700.0	9,580.5	9,633.2	9,580.5	27.4	24.3	-87.18		75.6	647.3	410.6	359.0	51.53	7.968
9,800.0	9,680.5	9,733.2	9,680.5	27.4	24.4	-87.18		75.6	647.3	410.6	359.0	51.60	7.956
9,900.0	9,780.5	9,833.2	9,780.5	27.4	24.4	-87.18		75.6	647.3	410.6	358.9	51.68	7.945
10,000.0	9,880.5	9,933.2	9,880.5	27.5	24.5	-87.18		75.6	647.3	410.6	358.8	51.75	7.934
10,100.0	9,980.5	10,033.2	9,980.5	27.5	24.5	-87.18		75.6	647.3	410.6	358.8	51.82	7.923

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.0	10,080.5	10,133.2	10,080.5	27.5	24.5	-87.18	75.6	647.3	410.6	358.7	51.90	7.911	
10,300.0	10,180.5	10,233.2	10,180.5	27.6	24.6	-87.18	75.6	647.3	410.6	358.6	51.97	7.900	
10,400.0	10,280.5	10,333.2	10,280.5	27.6	24.6	-87.18	75.6	647.3	410.6	358.5	52.05	7.889	
10,500.0	10,380.5	10,433.2	10,380.5	27.6	24.7	-87.18	75.6	647.3	410.6	358.5	52.12	7.877	
10,600.0	10,480.5	10,533.2	10,480.5	27.7	24.7	-87.18	75.6	647.3	410.6	358.4	52.20	7.866	
10,700.0	10,580.5	10,633.2	10,580.5	27.7	24.8	-87.18	75.6	647.3	410.6	358.3	52.27	7.854	
10,800.0	10,680.5	10,733.2	10,680.5	27.7	24.8	-87.18	75.6	647.3	410.6	358.2	52.35	7.843	
10,900.0	10,780.5	10,833.2	10,780.5	27.8	24.8	-87.18	75.6	647.3	410.6	358.1	52.43	7.831	
11,000.0	10,880.5	10,933.2	10,880.5	27.8	24.9	-87.18	75.6	647.3	410.6	358.1	52.50	7.820	
11,100.0	10,980.5	11,033.2	10,980.5	27.9	24.9	-87.18	75.6	647.3	410.6	358.0	52.58	7.808	
11,200.0	11,080.5	11,133.2	11,080.5	27.9	25.0	-87.18	75.6	647.3	410.6	357.9	52.66	7.797	
11,300.0	11,180.5	11,233.2	11,180.5	27.9	25.0	-87.18	75.6	647.3	410.6	357.8	52.74	7.785	
11,308.9	11,189.4	11,242.1	11,189.4	27.9	25.0	-87.18	75.6	647.3	410.6	357.8	52.75	7.784	
11,400.0	11,280.5	11,332.3	11,279.6	28.0	25.0	-87.14	75.9	647.3	410.6	357.9	52.70	7.791	
11,500.0	11,380.5	11,425.0	11,371.3	28.0	25.0	-85.41	88.4	647.2	411.6	359.1	52.49	7.842	
11,557.0	11,437.5	11,475.0	11,419.3	28.0	25.0	-83.47	102.4	647.1	413.4	361.2	52.16	7.926	
11,575.0	11,455.5	11,490.6	11,433.9	28.0	25.0	-82.14	107.8	647.0	414.2	362.3	51.90	7.980	
11,600.0	11,480.4	11,511.5	11,453.2	28.0	25.1	-81.08	115.7	647.0	415.5	363.7	51.72	8.033	
11,625.0	11,505.3	11,532.1	11,471.9	28.0	25.1	-80.04	124.4	646.9	416.8	365.3	51.53	8.089	
11,650.0	11,529.9	11,552.5	11,490.0	28.0	25.1	-79.03	133.8	646.8	418.3	366.9	51.34	8.147	
11,675.0	11,554.3	11,572.7	11,507.6	28.0	25.1	-78.05	143.9	646.7	419.8	368.6	51.15	8.206	
11,700.0	11,578.4	11,592.7	11,524.5	28.0	25.1	-77.10	154.5	646.6	421.4	370.4	50.98	8.266	
11,725.0	11,602.1	11,612.6	11,540.8	28.0	25.1	-76.19	165.8	646.5	423.0	372.2	50.81	8.326	
11,750.0	11,625.3	11,632.2	11,556.5	28.0	25.1	-75.31	177.6	646.4	424.7	374.1	50.65	8.386	
11,775.0	11,648.0	11,650.0	11,570.3	28.0	25.1	-74.52	188.9	646.3	426.4	375.9	50.50	8.444	
11,800.0	11,670.1	11,671.1	11,586.1	28.0	25.1	-73.66	202.9	646.2	428.1	377.8	50.37	8.499	
11,825.0	11,691.7	11,690.3	11,599.9	28.0	25.1	-72.90	216.2	646.0	429.8	379.6	50.26	8.552	
11,850.0	11,712.5	11,709.4	11,613.1	28.0	25.1	-72.17	230.0	645.9	431.5	381.3	50.16	8.602	
11,875.0	11,732.5	11,728.4	11,625.7	28.0	25.1	-71.49	244.2	645.8	433.1	383.1	50.08	8.649	
11,900.0	11,751.8	11,750.0	11,639.3	28.0	25.1	-70.79	261.0	645.6	434.7	384.7	50.01	8.694	
11,925.0	11,770.1	11,766.1	11,648.9	28.0	25.1	-70.26	273.9	645.5	436.3	386.3	49.97	8.730	
11,950.0	11,787.6	11,784.8	11,659.5	28.1	25.1	-69.70	289.3	645.4	437.7	387.8	49.94	8.765	
11,975.0	11,804.1	11,803.4	11,669.5	28.1	25.1	-69.19	305.0	645.2	439.1	389.2	49.92	8.795	
12,000.0	11,819.6	11,825.0	11,680.3	28.1	25.1	-68.68	323.7	645.1	440.4	390.5	49.90	8.825	
12,025.0	11,834.1	11,840.5	11,687.5	28.1	25.1	-68.31	337.4	644.9	441.6	391.6	49.94	8.843	
12,050.0	11,847.5	11,858.9	11,695.5	28.1	25.1	-67.93	354.0	644.8	442.7	392.7	49.96	8.860	
12,075.0	11,859.7	11,875.0	11,702.0	28.1	25.2	-67.63	368.7	644.6	443.6	393.6	50.01	8.871	
12,100.0	11,870.8	11,895.6	11,709.5	28.1	25.2	-67.32	387.9	644.5	444.5	394.4	50.04	8.882	
12,125.0	11,880.7	11,914.0	11,715.5	28.1	25.2	-67.08	405.2	644.3	445.2	395.1	50.09	8.887	
12,150.0	11,889.4	11,932.2	11,720.9	28.1	25.2	-66.89	422.7	644.2	445.8	395.6	50.16	8.887	
12,175.0	11,896.9	11,950.0	11,725.4	28.2	25.2	-66.74	439.9	644.0	446.2	396.0	50.23	8.884	
12,200.0	11,903.1	11,968.7	11,729.5	28.2	25.2	-66.64	458.2	643.8	446.5	396.2	50.30	8.877	
12,225.0	11,908.0	11,986.9	11,732.8	28.2	25.2	-66.58	476.1	643.7	446.7	396.3	50.38	8.867	
12,250.0	11,911.6	12,005.2	11,735.4	28.2	25.3	-66.57	494.1	643.5	446.7	396.2	50.46	8.853	
12,275.0	11,913.9	12,025.0	11,737.4	28.2	25.3	-66.61	513.8	643.3	446.6	396.1	50.54	8.837	
12,300.0	11,914.9	12,041.6	11,738.5	28.3	25.3	-66.69	530.4	643.2	446.3	395.7	50.63	8.815	
12,307.0	11,915.0	12,050.0	11,738.8	28.3	25.3	-66.74	538.8	643.1	446.3	395.6	50.65	8.811	
12,330.9	11,915.0	12,064.2	11,739.0	28.3	25.3	-66.76	553.0	643.0	446.1	395.3	50.74	8.791	
12,400.0	11,915.0	12,133.3	11,739.0	28.4	25.4	-66.76	622.1	642.3	446.1	395.2	50.92	8.761	
12,500.0	11,915.0	12,233.3	11,739.0	28.5	25.5	-66.76	722.1	641.4	446.1	394.9	51.21	8.710	
12,600.0	11,915.0	12,333.3	11,739.0	28.7	25.7	-66.76	822.1	640.5	446.1	394.5	51.56	8.652	
12,700.0	11,915.0	12,433.3	11,739.0	28.8	25.9	-66.76	922.1	639.6	446.1	394.1	51.94	8.589	

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 #706H
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 #706H	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	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,800.0	11,915.0	12,533.3	11,739.0	29.0	26.1	-66.76	1,022.1	638.7	446.1	393.7	52.36	8.519	
12,900.0	11,915.0	12,633.3	11,739.0	29.3	26.4	-66.76	1,122.0	637.8	446.1	393.3	52.83	8.444	
13,000.0	11,915.0	12,733.3	11,739.0	29.5	26.6	-66.76	1,222.0	636.8	446.1	392.8	53.33	8.364	
13,100.0	11,915.0	12,833.3	11,739.0	29.7	26.9	-66.76	1,322.0	635.9	446.1	392.2	53.87	8.280	
13,200.0	11,915.0	12,933.3	11,739.0	30.0	27.2	-66.76	1,422.0	635.0	446.1	391.6	54.45	8.192	
13,300.0	11,915.0	13,033.3	11,739.0	30.3	27.5	-66.76	1,522.0	634.1	446.1	391.0	55.07	8.101	
13,400.0	11,915.0	13,133.3	11,739.0	30.6	27.8	-66.76	1,622.0	633.2	446.1	390.4	55.72	8.007	
13,500.0	11,915.0	13,233.3	11,739.0	30.9	28.2	-66.76	1,722.0	632.3	446.1	389.7	56.40	7.910	
13,600.0	11,915.0	13,333.3	11,739.0	31.3	28.5	-66.76	1,822.0	631.3	446.1	389.0	57.11	7.811	
13,700.0	11,915.0	13,433.3	11,739.0	31.6	28.9	-66.76	1,922.0	630.4	446.1	388.2	57.86	7.710	
13,800.0	11,915.0	13,533.3	11,739.0	32.0	29.3	-66.76	2,022.0	629.5	446.1	387.5	58.63	7.608	
13,900.0	11,915.0	13,633.3	11,739.0	32.4	29.7	-66.76	2,122.0	628.6	446.1	386.7	59.44	7.505	
14,000.0	11,915.0	13,733.3	11,739.0	32.8	30.1	-66.76	2,222.0	627.7	446.1	385.8	60.27	7.402	
14,100.0	11,915.0	13,833.3	11,739.0	33.2	30.6	-66.76	2,322.0	626.8	446.1	385.0	61.13	7.298	
14,200.0	11,915.0	13,933.3	11,739.0	33.6	31.0	-66.76	2,422.0	625.9	446.1	384.1	62.01	7.194	
14,300.0	11,915.0	14,033.3	11,739.0	34.0	31.5	-66.76	2,522.0	624.9	446.1	383.2	62.92	7.090	
14,400.0	11,915.0	14,133.3	11,739.0	34.5	31.9	-66.76	2,622.0	624.0	446.1	382.3	63.85	6.987	
14,500.0	11,915.0	14,233.3	11,739.0	34.9	32.4	-66.76	2,722.0	623.1	446.1	381.3	64.80	6.884	
14,600.0	11,915.0	14,333.3	11,739.0	35.4	32.9	-66.76	2,822.0	622.2	446.1	380.3	65.77	6.782	
14,700.0	11,915.0	14,433.3	11,739.0	35.9	33.4	-66.76	2,922.0	621.3	446.1	379.3	66.77	6.682	
14,800.0	11,915.0	14,533.3	11,739.0	36.4	33.9	-66.76	3,022.0	620.4	446.1	378.3	67.78	6.582	
14,900.0	11,915.0	14,633.3	11,739.0	36.8	34.5	-66.76	3,122.0	619.4	446.1	377.3	68.81	6.483	
15,000.0	11,915.0	14,733.3	11,739.0	37.4	35.0	-66.76	3,222.0	618.5	446.1	376.3	69.86	6.386	
15,100.0	11,915.0	14,833.3	11,739.0	37.9	35.5	-66.76	3,322.0	617.6	446.1	375.2	70.93	6.290	
15,200.0	11,915.0	14,933.3	11,739.0	38.4	36.1	-66.76	3,422.0	616.7	446.1	374.1	72.01	6.195	
15,300.0	11,915.0	15,033.3	11,739.0	38.9	36.6	-66.76	3,521.9	615.8	446.1	373.0	73.11	6.102	
15,400.0	11,915.0	15,133.3	11,739.0	39.5	37.2	-66.76	3,621.9	614.9	446.1	371.9	74.22	6.011	
15,500.0	11,915.0	15,233.3	11,739.0	40.0	37.8	-66.76	3,721.9	614.0	446.1	370.8	75.34	5.921	
15,600.0	11,915.0	15,333.3	11,739.0	40.5	38.4	-66.76	3,821.9	613.0	446.1	369.6	76.48	5.833	
15,700.0	11,915.0	15,433.3	11,739.0	41.1	38.9	-66.76	3,921.9	612.1	446.1	368.5	77.64	5.746	
15,800.0	11,915.0	15,533.3	11,739.0	41.7	39.5	-66.76	4,021.9	611.2	446.1	367.3	78.80	5.661	
15,900.0	11,915.0	15,633.3	11,739.0	42.2	40.1	-66.76	4,121.9	610.3	446.1	366.1	79.98	5.578	
16,000.0	11,915.0	15,733.3	11,739.0	42.8	40.7	-66.76	4,221.9	609.4	446.1	365.0	81.16	5.497	
16,100.0	11,915.0	15,833.3	11,739.0	43.4	41.3	-66.76	4,321.9	608.5	446.1	363.8	82.36	5.417	
16,200.0	11,915.0	15,933.3	11,739.0	44.0	41.9	-66.76	4,421.9	607.5	446.1	362.6	83.57	5.338	
16,300.0	11,915.0	16,033.3	11,739.0	44.6	42.6	-66.76	4,521.9	606.6	446.1	361.3	84.79	5.262	
16,400.0	11,915.0	16,133.3	11,739.0	45.2	43.2	-66.77	4,621.9	605.7	446.1	360.1	86.02	5.187	
16,500.0	11,915.0	16,233.3	11,739.0	45.8	43.8	-66.77	4,721.9	604.8	446.1	358.9	87.25	5.113	
16,600.0	11,915.0	16,333.3	11,739.0	46.4	44.4	-66.77	4,821.9	603.9	446.1	357.6	88.50	5.041	
16,700.0	11,915.0	16,433.3	11,739.0	47.0	45.1	-66.77	4,921.9	603.0	446.1	356.4	89.75	4.971	
16,800.0	11,915.0	16,533.3	11,739.0	47.6	45.7	-66.77	5,021.9	602.1	446.1	355.1	91.01	4.902	
16,900.0	11,915.0	16,633.3	11,739.0	48.2	46.4	-66.77	5,121.9	601.1	446.1	353.9	92.28	4.835	
17,000.0	11,915.0	16,733.3	11,739.0	48.9	47.0	-66.77	5,221.9	600.2	446.1	352.6	93.56	4.769	
17,100.0	11,915.0	16,833.3	11,739.0	49.5	47.6	-66.77	5,321.9	599.3	446.1	351.3	94.84	4.704	
17,200.0	11,915.0	16,933.3	11,739.0	50.1	48.3	-66.77	5,421.9	598.4	446.1	350.0	96.13	4.641	
17,300.0	11,915.0	17,033.3	11,739.0	50.7	49.0	-66.77	5,521.9	597.5	446.1	348.7	97.43	4.579	
17,400.0	11,915.0	17,133.3	11,739.0	51.4	49.6	-66.77	5,621.9	596.6	446.1	347.4	98.73	4.519	
17,500.0	11,915.0	17,233.3	11,739.0	52.0	50.3	-66.77	5,721.9	595.6	446.1	346.1	100.04	4.460	
17,600.0	11,915.0	17,333.3	11,739.0	52.7	50.9	-66.77	5,821.9	594.7	446.1	344.8	101.35	4.402	
17,700.0	11,915.0	17,433.3	11,739.0	53.3	51.6	-66.77	5,921.8	593.8	446.1	343.5	102.67	4.345	
17,800.0	11,915.0	17,533.3	11,739.0	54.0	52.3	-66.77	6,021.8	592.9	446.2	342.2	104.00	4.290	
17,900.0	11,915.0	17,633.3	11,739.0	54.6	53.0	-66.77	6,121.8	592.0	446.2	340.8	105.33	4.236	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,000.0	11,915.0	17,733.3	11,739.0	55.3	53.6	-66.77	6,221.8	591.1	446.2	339.5	106.66	4.183	
18,100.0	11,915.0	17,833.3	11,739.0	55.9	54.3	-66.77	6,321.8	590.2	446.2	338.2	108.00	4.131	
18,200.0	11,915.0	17,933.3	11,739.0	56.6	55.0	-66.77	6,421.8	589.2	446.2	336.8	109.34	4.080	
18,300.0	11,915.0	18,033.3	11,739.0	57.3	55.7	-66.77	6,521.8	588.3	446.2	335.5	110.69	4.031	
18,400.0	11,915.0	18,133.3	11,739.0	57.9	56.3	-66.77	6,621.8	587.4	446.2	334.1	112.04	3.982	
18,500.0	11,915.0	18,233.3	11,739.0	58.6	57.0	-66.77	6,721.8	586.5	446.2	332.8	113.40	3.934	
18,600.0	11,915.0	18,333.3	11,739.0	59.3	57.7	-66.77	6,821.8	585.6	446.2	331.4	114.76	3.888	
18,700.0	11,915.0	18,433.3	11,739.0	60.0	58.4	-66.77	6,921.8	584.7	446.2	330.0	116.13	3.842	
18,800.0	11,915.0	18,533.3	11,739.0	60.6	59.1	-66.77	7,021.8	583.7	446.2	328.7	117.49	3.797	
18,900.0	11,915.0	18,633.3	11,739.0	61.3	59.8	-66.77	7,121.8	582.8	446.2	327.3	118.86	3.754	
19,000.0	11,915.0	18,733.3	11,739.0	62.0	60.5	-66.77	7,221.8	581.9	446.2	325.9	120.24	3.711	
19,100.0	11,915.0	18,833.3	11,739.0	62.7	61.2	-66.77	7,321.8	581.0	446.2	324.6	121.62	3.669	
19,200.0	11,915.0	18,933.3	11,739.0	63.4	61.9	-66.77	7,421.8	580.1	446.2	323.2	123.00	3.627	
19,300.0	11,915.0	19,033.3	11,739.0	64.0	62.6	-66.77	7,521.8	579.2	446.2	321.8	124.38	3.587	
19,400.0	11,915.0	19,133.3	11,739.0	64.7	63.3	-66.77	7,621.8	578.3	446.2	320.4	125.77	3.548	
19,500.0	11,915.0	19,233.3	11,739.0	65.4	64.0	-66.77	7,721.8	577.3	446.2	319.0	127.16	3.509	
19,600.0	11,915.0	19,333.3	11,739.0	66.1	64.7	-66.77	7,821.8	576.4	446.2	317.6	128.55	3.471	
19,640.7	11,915.0	19,374.0	11,739.0	66.4	65.0	-66.77	7,862.5	576.0	446.2	317.1	129.12	3.456	
19,690.7	11,915.0	19,424.0	11,739.0	66.7	65.3	-66.77	7,912.5	575.6	446.2	316.4	129.81	3.437	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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	124.04	-16.9	25.0	30.2	23.2	6.98	4.330	
100.0	100.0	100.0	100.0	3.1	3.1	124.04	-16.9	25.0	30.2	23.0	7.23	4.183	
200.0	200.0	200.0	200.0	3.2	3.2	124.04	-16.9	25.0	30.2	22.8	7.46	4.050	
300.0	300.0	300.0	300.0	3.4	3.4	124.04	-16.9	25.0	30.2	22.5	7.70	3.928	
400.0	400.0	400.0	400.0	3.5	3.5	124.04	-16.9	25.0	30.2	22.3	7.92	3.816	
500.0	500.0	500.0	500.0	3.6	3.6	124.04	-16.9	25.0	30.2	22.1	8.14	3.712	
600.0	600.0	600.0	600.0	3.7	3.7	124.04	-16.9	25.0	30.2	21.9	8.36	3.616	
700.0	700.0	700.0	700.0	3.9	3.9	124.04	-16.9	25.0	30.2	21.7	8.57	3.527	
800.0	800.0	800.0	800.0	4.0	4.0	124.04	-16.9	25.0	30.2	21.4	8.78	3.443	
900.0	900.0	900.0	900.0	4.1	4.1	124.04	-16.9	25.0	30.2	21.2	8.98	3.365	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	124.04	-16.9	25.0	30.2	21.0	9.19	3.291	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	124.04	-16.9	25.0	30.2	20.8	9.38	3.221	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	124.04	-16.9	25.0	30.2	20.6	9.58	3.155	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	124.04	-16.9	25.0	30.2	20.5	9.77	3.093	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	124.04	-16.9	25.0	30.2	20.3	9.96	3.034	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	124.04	-16.9	25.0	30.2	20.1	10.15	2.978 CC	
1,600.0	1,600.0	1,599.1	1,599.1	4.9	4.9	37.15	-16.9	26.8	30.3	20.1	10.12	2.989	
1,700.0	1,699.8	1,698.3	1,698.1	5.1	5.1	37.47	-16.8	31.9	30.3	19.8	10.57	2.869	
1,800.0	1,799.5	1,797.4	1,796.9	5.3	5.3	38.00	-16.7	40.5	30.4	19.4	11.03	2.761	
1,900.0	1,898.7	1,896.6	1,895.3	5.6	5.6	38.75	-16.4	52.5	30.6	19.1	11.50	2.664	
2,000.0	1,997.5	1,995.7	1,993.3	5.9	5.9	39.69	-16.2	67.8	30.9	18.9	11.98	2.575	
2,100.0	2,095.6	2,094.9	2,090.6	6.3	6.2	40.81	-15.8	86.6	31.1	18.7	12.47	2.497	
2,200.0	2,193.1	2,194.0	2,187.3	6.6	6.6	42.11	-15.5	108.7	31.5	18.5	12.98	2.428 ES, SF	
2,300.0	2,290.1	2,293.2	2,283.1	6.9	7.0	41.52	-15.0	134.1	33.2	19.7	13.51	2.459	
2,400.0	2,387.1	2,393.1	2,379.1	7.3	7.3	39.05	-14.5	161.7	36.5	22.3	14.15	2.579	
2,500.0	2,484.1	2,493.0	2,475.2	7.6	7.7	36.97	-14.1	189.2	39.8	25.0	14.83	2.685	
2,600.0	2,581.2	2,592.9	2,571.2	8.0	8.0	35.22	-13.6	216.7	43.2	27.7	15.54	2.779	
2,700.0	2,678.2	2,692.9	2,667.3	8.3	8.4	33.72	-13.1	244.3	46.6	30.3	16.29	2.862	
2,800.0	2,775.2	2,792.8	2,763.3	8.7	8.8	32.43	-12.6	271.8	50.0	33.0	17.06	2.934	
2,900.0	2,872.3	2,892.7	2,859.4	9.1	9.2	31.31	-12.1	299.4	53.5	35.7	17.85	2.997	
3,000.0	2,969.3	2,992.7	2,955.5	9.5	9.6	30.32	-11.7	326.9	57.0	38.3	18.66	3.053	
3,100.0	3,066.3	3,092.6	3,051.5	9.9	10.0	29.44	-11.2	354.4	60.5	41.0	19.49	3.103	
3,200.0	3,163.4	3,192.5	3,147.6	10.4	10.5	28.66	-10.7	382.0	64.0	43.6	20.33	3.146	
3,300.0	3,260.4	3,292.5	3,243.7	10.8	10.9	27.97	-10.2	409.5	67.5	46.3	21.19	3.185	
3,400.0	3,357.4	3,392.4	3,339.7	11.2	11.3	27.34	-9.7	437.1	71.0	49.0	22.05	3.220	
3,500.0	3,454.4	3,492.3	3,435.8	11.7	11.8	26.77	-9.2	464.6	74.5	51.6	22.93	3.250	
3,600.0	3,551.5	3,592.3	3,531.9	12.1	12.2	26.25	-8.8	492.2	78.1	54.3	23.82	3.278	
3,700.0	3,648.5	3,692.2	3,627.9	12.5	12.7	25.78	-8.3	519.7	81.6	56.9	24.71	3.303	
3,800.0	3,745.5	3,792.1	3,724.0	13.0	13.1	25.34	-7.8	547.2	85.2	59.6	25.61	3.325	
3,900.0	3,842.6	3,892.1	3,820.0	13.4	13.6	24.95	-7.3	574.8	88.7	62.2	26.52	3.345	
4,000.0	3,939.6	3,992.0	3,916.1	13.9	14.1	24.58	-6.8	602.3	92.3	64.8	27.44	3.364	
4,100.0	4,036.6	4,091.9	4,012.2	14.3	14.5	24.24	-6.4	629.9	95.8	67.5	28.35	3.380	
4,200.0	4,133.6	4,191.9	4,108.2	14.8	15.0	23.92	-5.9	657.4	99.4	70.1	29.28	3.395	
4,300.0	4,230.7	4,291.8	4,204.3	15.3	15.5	23.63	-5.4	684.9	103.0	72.8	30.20	3.409	
4,400.0	4,327.7	4,391.8	4,300.4	15.7	15.9	23.35	-4.9	712.5	106.5	75.4	31.13	3.422	
4,500.0	4,424.7	4,491.7	4,396.4	16.2	16.4	23.09	-4.4	740.0	110.1	78.0	32.07	3.434	
4,600.0	4,521.8	4,591.6	4,492.5	16.7	16.9	22.85	-4.0	767.6	113.7	80.7	33.01	3.444	
4,700.0	4,618.8	4,691.6	4,588.6	17.1	17.4	22.63	-3.5	795.1	117.3	83.3	33.95	3.454	
4,800.0	4,715.8	4,791.5	4,684.6	17.6	17.8	22.41	-3.0	822.7	120.8	86.0	34.89	3.463	
4,900.0	4,812.9	4,891.4	4,780.7	18.1	18.3	22.21	-2.5	850.2	124.4	88.6	35.84	3.472	
5,000.0	4,909.9	4,991.4	4,876.7	18.5	18.8	22.03	-2.0	877.7	128.0	91.2	36.78	3.480	
5,100.0	5,006.9	5,091.3	4,972.8	19.0	19.3	21.85	-1.6	905.3	131.6	93.8	37.73	3.487	

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 #706H
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 #706H	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	
5,200.0	5,103.9	5,191.2	5,068.9	19.5	19.8	21.68	-1.1	932.8	135.2	96.5	38.68	3.494	
5,300.0	5,201.0	5,291.2	5,164.9	19.9	20.3	21.52	-0.6	960.4	138.7	99.1	39.64	3.500	
5,400.0	5,298.0	5,391.1	5,261.0	20.4	20.7	21.36	-0.1	987.9	142.3	101.7	40.59	3.506	
5,500.0	5,395.0	5,491.0	5,357.1	20.9	21.2	21.22	0.4	1,015.4	145.9	104.4	41.55	3.512	
5,521.6	5,416.0	5,512.6	5,377.8	21.0	21.3	21.19	0.5	1,021.4	146.7	104.9	41.75	3.514	
5,600.0	5,492.2	5,591.0	5,453.1	21.4	21.7	21.02	0.8	1,043.0	150.0	107.5	42.51	3.529	
5,700.0	5,589.7	5,690.8	5,549.1	21.8	22.2	20.61	1.3	1,070.5	155.7	112.2	43.50	3.579	
5,800.0	5,687.6	5,790.5	5,644.9	22.3	22.7	20.03	1.8	1,098.0	163.0	118.5	44.52	3.661	
5,900.0	5,785.9	5,890.1	5,740.6	22.7	23.2	19.32	2.3	1,125.4	172.0	126.4	45.56	3.775	
6,000.0	5,884.5	5,989.5	5,836.2	23.2	23.7	18.50	2.8	1,152.8	182.6	136.1	46.60	3.920	
6,100.0	5,983.3	6,088.7	5,931.5	23.6	24.2	17.63	3.2	1,180.1	195.0	147.4	47.64	4.093	
6,200.0	6,082.4	6,187.6	6,026.7	24.0	24.7	16.72	3.7	1,207.4	209.0	160.4	48.67	4.295	
6,300.0	6,181.7	6,286.3	6,121.5	24.5	25.1	15.82	4.2	1,234.6	224.8	175.1	49.69	4.524	
6,400.0	6,281.2	6,384.7	6,216.1	24.9	25.6	14.93	4.7	1,261.7	242.2	191.6	50.68	4.780	
6,500.0	6,380.9	6,482.7	6,310.4	25.2	26.1	14.08	5.1	1,288.8	261.4	209.8	51.65	5.061	
6,600.0	6,480.7	6,580.5	6,404.3	25.6	26.6	13.27	5.6	1,315.7	282.3	229.7	52.59	5.368	
6,700.0	6,580.6	6,677.8	6,497.8	25.9	27.1	12.51	6.1	1,342.5	304.9	251.4	53.50	5.700	
6,800.0	6,680.5	6,780.4	6,596.6	26.2	27.6	11.76	6.6	1,370.4	328.9	274.5	54.41	6.044	
6,900.0	6,780.5	6,890.7	6,703.7	26.5	28.1	11.10	7.0	1,396.8	351.4	296.1	55.28	6.357	
6,921.6	6,802.1	6,914.7	6,727.1	26.5	28.2	97.98	7.1	1,402.1	356.0	300.6	55.42	6.423	
7,000.0	6,880.5	7,002.6	6,813.3	26.5	28.7	97.55	7.4	1,419.5	371.4	315.5	55.86	6.647	
7,100.0	6,980.5	7,116.2	6,925.3	26.5	29.2	97.14	7.7	1,438.0	387.5	331.2	56.33	6.879	
7,200.0	7,080.5	7,231.0	7,039.2	26.6	29.7	96.85	8.0	1,452.3	399.8	343.1	56.69	7.053	
7,300.0	7,180.5	7,346.9	7,154.7	26.6	30.1	96.66	8.2	1,462.0	408.2	351.2	56.91	7.171	
7,400.0	7,280.5	7,463.3	7,271.0	26.6	30.5	96.57	8.3	1,467.1	412.5	355.5	56.98	7.238	
7,500.0	7,380.5	7,572.8	7,380.5	26.7	30.7	96.55	8.3	1,467.8	413.1	356.2	56.93	7.258	
7,600.0	7,480.5	7,672.8	7,480.5	26.7	30.7	96.55	8.3	1,467.8	413.1	356.2	56.98	7.251	
7,700.0	7,580.5	7,772.8	7,580.5	26.7	30.7	96.55	8.3	1,467.8	413.1	356.1	57.03	7.244	
7,800.0	7,680.5	7,872.8	7,680.5	26.7	30.7	96.55	8.3	1,467.8	413.1	356.1	57.08	7.237	
7,900.0	7,780.5	7,972.8	7,780.5	26.8	30.8	96.55	8.3	1,467.8	413.1	356.0	57.14	7.231	
8,000.0	7,880.5	8,072.8	7,880.5	26.8	30.8	96.55	8.3	1,467.8	413.1	355.9	57.19	7.224	
8,100.0	7,980.5	8,172.8	7,980.5	26.8	30.8	96.55	8.3	1,467.8	413.1	355.9	57.25	7.217	
8,200.0	8,080.5	8,272.8	8,080.5	26.9	30.8	96.55	8.3	1,467.8	413.1	355.8	57.30	7.210	
8,300.0	8,180.5	8,372.8	8,180.5	26.9	30.9	96.55	8.3	1,467.8	413.1	355.8	57.36	7.203	
8,400.0	8,280.5	8,472.8	8,280.5	26.9	30.9	96.55	8.3	1,467.8	413.1	355.7	57.42	7.196	
8,500.0	8,380.5	8,572.8	8,380.5	27.0	30.9	96.55	8.3	1,467.8	413.1	355.7	57.47	7.189	
8,600.0	8,480.5	8,672.8	8,480.5	27.0	30.9	96.55	8.3	1,467.8	413.1	355.6	57.53	7.181	
8,700.0	8,580.5	8,772.8	8,580.5	27.0	31.0	96.55	8.3	1,467.8	413.1	355.6	57.59	7.174	
8,800.0	8,680.5	8,872.8	8,680.5	27.1	31.0	96.55	8.3	1,467.8	413.1	355.5	57.64	7.167	
8,900.0	8,780.5	8,972.8	8,780.5	27.1	31.0	96.55	8.3	1,467.8	413.1	355.4	57.70	7.160	
9,000.0	8,880.5	9,072.8	8,880.5	27.1	31.1	96.55	8.3	1,467.8	413.1	355.4	57.76	7.152	
9,100.0	8,980.5	9,172.8	8,980.5	27.2	31.1	96.55	8.3	1,467.8	413.1	355.3	57.82	7.145	
9,200.0	9,080.5	9,272.8	9,080.5	27.2	31.1	96.55	8.3	1,467.8	413.1	355.3	57.88	7.138	
9,300.0	9,180.5	9,372.8	9,180.5	27.2	31.1	96.55	8.3	1,467.8	413.1	355.2	57.94	7.130	
9,400.0	9,280.5	9,472.8	9,280.5	27.3	31.2	96.55	8.3	1,467.8	413.1	355.1	58.00	7.123	
9,500.0	9,380.5	9,572.8	9,380.5	27.3	31.2	96.55	8.3	1,467.8	413.1	355.1	58.06	7.116	
9,600.0	9,480.5	9,672.8	9,480.5	27.3	31.2	96.55	8.3	1,467.8	413.1	355.0	58.12	7.108	
9,700.0	9,580.5	9,772.8	9,580.5	27.4	31.3	96.55	8.3	1,467.8	413.1	355.0	58.18	7.101	
9,800.0	9,680.5	9,872.8	9,680.5	27.4	31.3	96.55	8.3	1,467.8	413.1	354.9	58.25	7.093	
9,900.0	9,780.5	9,972.8	9,780.5	27.4	31.3	96.55	8.3	1,467.8	413.1	354.8	58.31	7.085	
10,000.0	9,880.5	10,072.8	9,880.5	27.5	31.3	96.55	8.3	1,467.8	413.1	354.8	58.37	7.078	
10,100.0	9,980.5	10,172.8	9,980.5	27.5	31.4	96.55	8.3	1,467.8	413.1	354.7	58.43	7.070	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11185-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.0	10,080.5	10,272.8	10,080.5	27.5	31.4	96.55	8.3	1,467.8	413.1	354.6	58.50	7.063	
10,300.0	10,180.5	10,372.8	10,180.5	27.6	31.4	96.55	8.3	1,467.8	413.1	354.6	58.56	7.055	
10,400.0	10,280.5	10,472.8	10,280.5	27.6	31.5	96.55	8.3	1,467.8	413.1	354.5	58.62	7.047	
10,500.0	10,380.5	10,572.8	10,380.5	27.6	31.5	96.55	8.3	1,467.8	413.1	354.5	58.69	7.039	
10,600.0	10,480.5	10,672.8	10,480.5	27.7	31.5	96.55	8.3	1,467.8	413.1	354.4	58.75	7.032	
10,700.0	10,580.5	10,772.8	10,580.5	27.7	31.5	96.55	8.3	1,467.8	413.1	354.3	58.82	7.024	
10,800.0	10,680.5	10,872.8	10,680.5	27.7	31.6	96.55	8.3	1,467.8	413.1	354.3	58.88	7.016	
10,900.0	10,780.5	10,972.8	10,780.5	27.8	31.6	96.55	8.3	1,467.8	413.1	354.2	58.95	7.008	
11,000.0	10,880.5	11,072.8	10,880.5	27.8	31.6	96.55	8.3	1,467.8	413.1	354.1	59.02	7.000	
11,100.0	10,980.5	11,172.8	10,980.5	27.9	31.7	96.55	8.3	1,467.8	413.1	354.1	59.08	6.993	
11,200.0	11,080.5	11,272.8	11,080.5	27.9	31.7	96.55	8.3	1,467.8	413.1	354.0	59.14	6.986	
11,300.0	11,180.5	11,372.8	11,180.5	27.9	31.7	96.55	8.3	1,467.8	413.1	353.9	59.20	6.979	
11,400.0	11,280.5	11,475.0	11,282.6	28.0	31.7	96.50	8.7	1,467.8	413.1	354.0	59.12	6.988	
11,500.0	11,380.5	11,583.7	11,389.8	28.0	31.7	94.17	25.5	1,467.7	411.5	352.3	59.18	6.952	
11,557.0	11,437.5	11,640.7	11,443.8	28.0	31.7	91.60	44.0	1,467.5	410.3	350.9	59.42	6.905	
11,575.0	11,455.5	11,657.8	11,459.5	28.0	31.7	91.24	50.8	1,467.5	410.1	350.7	59.39	6.906	
11,600.0	11,480.4	11,681.2	11,480.5	28.0	31.7	90.02	60.9	1,467.4	410.0	350.5	59.53	6.888	
11,601.1	11,481.6	11,682.3	11,481.5	28.0	31.7	89.97	61.4	1,467.4	410.0	350.5	59.53	6.887	
11,625.0	11,505.3	11,704.2	11,500.7	28.0	31.7	88.81	71.9	1,467.3	410.1	350.4	59.67	6.873	
11,650.0	11,529.9	11,726.8	11,520.0	28.0	31.7	87.62	83.6	1,467.2	410.4	350.6	59.80	6.862	
11,675.0	11,554.3	11,749.0	11,538.4	28.0	31.7	86.43	96.1	1,467.0	410.9	351.0	59.94	6.855	
11,700.0	11,578.4	11,770.9	11,556.0	28.0	31.7	85.26	109.1	1,466.9	411.6	351.5	60.08	6.851	
11,725.0	11,602.1	11,792.5	11,572.7	28.0	31.7	84.10	122.7	1,466.8	412.5	352.3	60.22	6.850	
11,750.0	11,625.3	11,813.7	11,588.6	28.0	31.8	82.97	136.9	1,466.7	413.5	353.1	60.35	6.851	
11,775.0	11,648.0	11,834.7	11,603.6	28.0	31.8	81.86	151.6	1,466.5	414.7	354.2	60.49	6.856	
11,800.0	11,670.1	11,855.5	11,617.8	28.0	31.8	80.77	166.7	1,466.4	416.0	355.4	60.62	6.862	
11,825.0	11,691.7	11,875.0	11,630.5	28.0	31.8	79.76	181.5	1,466.3	417.4	356.7	60.76	6.869	
11,850.0	11,712.5	11,896.2	11,643.7	28.0	31.8	78.69	198.1	1,466.1	418.9	358.1	60.88	6.882	
11,875.0	11,732.5	11,916.3	11,655.4	28.0	31.8	77.69	214.4	1,466.0	420.6	359.6	61.00	6.894	
11,900.0	11,751.8	11,936.2	11,666.4	28.0	31.8	76.72	231.0	1,465.8	422.2	361.1	61.13	6.908	
11,925.0	11,770.1	11,955.9	11,676.5	28.0	31.8	75.79	247.9	1,465.7	424.0	362.7	61.25	6.922	
11,950.0	11,787.6	11,975.0	11,685.7	28.1	31.8	74.91	264.6	1,465.5	425.7	364.4	61.37	6.937	
11,975.0	11,804.1	11,994.7	11,694.5	28.1	31.8	74.04	282.3	1,465.3	427.5	366.0	61.48	6.954	
12,000.0	11,819.6	12,014.0	11,702.3	28.1	31.8	73.23	299.9	1,465.2	429.3	367.7	61.59	6.970	
12,025.0	11,834.1	12,033.1	11,709.4	28.1	31.8	72.45	317.6	1,465.0	431.1	369.4	61.70	6.987	
12,050.0	11,847.5	12,050.0	11,715.1	28.1	31.8	71.77	333.6	1,464.9	432.8	371.0	61.82	7.001	
12,075.0	11,859.7	12,070.9	11,721.3	28.1	31.8	71.02	353.5	1,464.7	434.6	372.7	61.90	7.020	
12,100.0	11,870.8	12,089.6	11,726.2	28.1	31.9	70.37	371.6	1,464.5	436.2	374.2	62.00	7.036	
12,125.0	11,880.7	12,108.3	11,730.3	28.1	31.9	69.77	389.8	1,464.4	437.8	375.7	62.08	7.052	
12,150.0	11,889.4	12,125.0	11,733.3	28.1	31.9	69.24	406.2	1,464.2	439.3	377.2	62.17	7.066	
12,175.0	11,896.9	12,145.4	11,736.3	28.2	31.9	68.69	426.4	1,464.0	440.8	378.5	62.24	7.082	
12,200.0	11,903.1	12,163.8	11,738.2	28.2	31.9	68.22	444.7	1,463.9	442.1	379.8	62.31	7.096	
12,225.0	11,908.0	12,182.1	11,739.5	28.2	31.9	67.79	463.0	1,463.7	443.3	381.0	62.37	7.108	
12,250.0	11,911.6	12,200.0	11,740.0	28.2	31.9	67.42	480.9	1,463.5	444.5	382.0	62.42	7.120	
12,275.0	11,913.9	12,223.7	11,740.0	28.2	32.0	67.06	504.6	1,463.3	445.4	382.9	62.47	7.129	
12,300.0	11,914.9	12,248.7	11,740.0	28.3	32.0	66.89	529.6	1,463.1	445.8	383.2	62.52	7.129	
12,307.0	11,915.0	12,255.8	11,740.0	28.3	32.0	66.89	536.6	1,463.0	445.8	383.2	62.54	7.128	
12,400.0	11,915.0	12,348.7	11,740.0	28.4	32.1	66.89	629.6	1,462.2	445.8	383.0	62.74	7.105	
12,500.0	11,915.0	12,448.7	11,740.0	28.5	32.2	66.89	729.6	1,461.3	445.8	382.8	62.99	7.077	
12,600.0	11,915.0	12,548.7	11,740.0	28.7	32.4	66.89	829.6	1,460.3	445.8	382.5	63.28	7.045	
12,700.0	11,915.0	12,648.7	11,740.0	28.8	32.5	66.89	929.6	1,459.4	445.8	382.2	63.60	7.009	
12,800.0	11,915.0	12,748.7	11,740.0	29.0	32.7	66.89	1,029.6	1,458.5	445.8	381.8	63.95	6.970	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11185-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,900.0	11,915.0	12,848.7	11,740.0	29.3	32.9	66.89	1,129.5	1,457.6	445.8	381.4	64.34	6.928	
13,000.0	11,915.0	12,948.7	11,740.0	29.5	33.2	66.89	1,229.5	1,456.7	445.8	381.0	64.77	6.883	
13,100.0	11,915.0	13,048.7	11,740.0	29.7	33.4	66.89	1,329.5	1,455.8	445.8	380.6	65.22	6.835	
13,200.0	11,915.0	13,148.7	11,740.0	30.0	33.6	66.89	1,429.5	1,454.9	445.8	380.1	65.71	6.784	
13,300.0	11,915.0	13,248.7	11,740.0	30.3	33.9	66.89	1,529.5	1,453.9	445.8	379.5	66.23	6.731	
13,400.0	11,915.0	13,348.7	11,740.0	30.6	34.2	66.89	1,629.5	1,453.0	445.8	379.0	66.78	6.675	
13,500.0	11,915.0	13,448.7	11,740.0	30.9	34.5	66.89	1,729.5	1,452.1	445.8	378.4	67.36	6.618	
13,600.0	11,915.0	13,548.7	11,740.0	31.3	34.8	66.89	1,829.5	1,451.2	445.8	377.8	67.97	6.558	
13,700.0	11,915.0	13,648.7	11,740.0	31.6	35.1	66.89	1,929.5	1,450.3	445.8	377.2	68.61	6.497	
13,800.0	11,915.0	13,748.7	11,740.0	32.0	35.5	66.89	2,029.5	1,449.4	445.8	376.5	69.27	6.435	
13,900.0	11,915.0	13,848.7	11,740.0	32.4	35.8	66.89	2,129.5	1,448.5	445.8	375.8	69.96	6.372	
14,000.0	11,915.0	13,948.7	11,740.0	32.8	36.2	66.89	2,229.5	1,447.6	445.8	375.1	70.68	6.307	
14,100.0	11,915.0	14,048.7	11,740.0	33.2	36.6	66.89	2,329.5	1,446.6	445.8	374.4	71.42	6.241	
14,200.0	11,915.0	14,148.7	11,740.0	33.6	37.0	66.89	2,429.5	1,445.7	445.8	373.6	72.19	6.175	
14,300.0	11,915.0	14,248.7	11,740.0	34.0	37.4	66.89	2,529.5	1,444.8	445.8	372.8	72.98	6.108	
14,400.0	11,915.0	14,348.7	11,740.0	34.5	37.8	66.89	2,629.5	1,443.9	445.8	372.0	73.79	6.041	
14,500.0	11,915.0	14,448.7	11,740.0	34.9	38.2	66.89	2,729.5	1,443.0	445.8	371.2	74.63	5.973	
14,600.0	11,915.0	14,548.7	11,740.0	35.4	38.6	66.89	2,829.5	1,442.1	445.8	370.3	75.48	5.906	
14,700.0	11,915.0	14,648.7	11,740.0	35.9	39.1	66.89	2,929.5	1,441.2	445.8	369.4	76.36	5.838	
14,800.0	11,915.0	14,748.7	11,740.0	36.4	39.5	66.89	3,029.5	1,440.2	445.8	368.5	77.26	5.770	
14,900.0	11,915.0	14,848.7	11,740.0	36.8	40.0	66.89	3,129.5	1,439.3	445.8	367.6	78.17	5.703	
15,000.0	11,915.0	14,948.7	11,740.0	37.4	40.5	66.89	3,229.5	1,438.4	445.8	366.7	79.11	5.635	
15,100.0	11,915.0	15,048.7	11,740.0	37.9	40.9	66.89	3,329.5	1,437.5	445.8	365.7	80.06	5.568	
15,200.0	11,915.0	15,148.7	11,740.0	38.4	41.4	66.89	3,429.5	1,436.6	445.8	364.8	81.03	5.502	
15,300.0	11,915.0	15,248.7	11,740.0	38.9	41.9	66.89	3,529.4	1,435.7	445.8	363.8	82.01	5.435	
15,400.0	11,915.0	15,348.7	11,740.0	39.5	42.4	66.89	3,629.4	1,434.8	445.8	362.8	83.02	5.370	
15,500.0	11,915.0	15,448.7	11,740.0	40.0	42.9	66.89	3,729.4	1,433.8	445.8	361.7	84.03	5.305	
15,600.0	11,915.0	15,548.7	11,740.0	40.5	43.5	66.89	3,829.4	1,432.9	445.8	360.7	85.07	5.240	
15,700.0	11,915.0	15,648.7	11,740.0	41.1	44.0	66.89	3,929.4	1,432.0	445.8	359.7	86.11	5.177	
15,800.0	11,915.0	15,748.7	11,740.0	41.7	44.5	66.89	4,029.4	1,431.1	445.8	358.6	87.17	5.114	
15,900.0	11,915.0	15,848.7	11,740.0	42.2	45.1	66.89	4,129.4	1,430.2	445.8	357.5	88.25	5.052	
16,000.0	11,915.0	15,948.7	11,740.0	42.8	45.6	66.89	4,229.4	1,429.3	445.8	356.4	89.33	4.990	
16,100.0	11,915.0	16,048.7	11,740.0	43.4	46.2	66.89	4,329.4	1,428.4	445.8	355.3	90.43	4.929	
16,200.0	11,915.0	16,148.7	11,740.0	44.0	46.7	66.89	4,429.4	1,427.4	445.8	354.2	91.54	4.870	
16,300.0	11,915.0	16,248.7	11,740.0	44.6	47.3	66.89	4,529.4	1,426.5	445.8	353.1	92.67	4.811	
16,400.0	11,915.0	16,348.7	11,740.0	45.2	47.8	66.89	4,629.4	1,425.6	445.8	352.0	93.80	4.753	
16,500.0	11,915.0	16,448.7	11,740.0	45.8	48.4	66.89	4,729.4	1,424.7	445.8	350.8	94.94	4.695	
16,600.0	11,915.0	16,548.7	11,740.0	46.4	49.0	66.89	4,829.4	1,423.8	445.8	349.7	96.10	4.639	
16,700.0	11,915.0	16,648.7	11,740.0	47.0	49.6	66.89	4,929.4	1,422.9	445.8	348.5	97.26	4.583	
16,800.0	11,915.0	16,748.7	11,740.0	47.6	50.2	66.89	5,029.4	1,422.0	445.8	347.3	98.44	4.529	
16,900.0	11,915.0	16,848.7	11,740.0	48.2	50.8	66.89	5,129.4	1,421.1	445.8	346.2	99.62	4.475	
17,000.0	11,915.0	16,948.7	11,740.0	48.9	51.4	66.89	5,229.4	1,420.1	445.8	345.0	100.81	4.422	
17,100.0	11,915.0	17,048.7	11,740.0	49.5	52.0	66.89	5,329.4	1,419.2	445.8	343.8	102.01	4.370	
17,200.0	11,915.0	17,148.7	11,740.0	50.1	52.6	66.89	5,429.4	1,418.3	445.8	342.6	103.22	4.319	
17,300.0	11,915.0	17,248.7	11,740.0	50.7	53.2	66.89	5,529.4	1,417.4	445.8	341.3	104.44	4.268	
17,400.0	11,915.0	17,348.7	11,740.0	51.4	53.8	66.89	5,629.4	1,416.5	445.8	340.1	105.66	4.219	
17,500.0	11,915.0	17,448.7	11,740.0	52.0	54.4	66.89	5,729.4	1,415.6	445.8	338.9	106.89	4.170	
17,600.0	11,915.0	17,548.7	11,740.0	52.7	55.0	66.89	5,829.4	1,414.7	445.8	337.6	108.13	4.123	
17,700.0	11,915.0	17,648.7	11,740.0	53.3	55.7	66.89	5,929.3	1,413.7	445.8	336.4	109.38	4.076	
17,800.0	11,915.0	17,748.7	11,740.0	54.0	56.3	66.89	6,029.3	1,412.8	445.8	335.1	110.63	4.029	
17,900.0	11,915.0	17,848.7	11,740.0	54.6	56.9	66.89	6,129.3	1,411.9	445.8	333.9	111.89	3.984	
18,000.0	11,915.0	17,948.7	11,740.0	55.3	57.5	66.89	6,229.3	1,411.0	445.8	332.6	113.16	3.939	

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 #706H
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 #706H	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		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	11,915.0	18,048.7	11,740.0	55.9	58.2	66.89	6,329.3	1,410.1	445.8	331.4	114.43	3.896		
18,200.0	11,915.0	18,148.7	11,740.0	56.6	58.8	66.89	6,429.3	1,409.2	445.8	330.1	115.71	3.853		
18,300.0	11,915.0	18,248.7	11,740.0	57.3	59.5	66.89	6,529.3	1,408.3	445.8	328.8	116.99	3.810		
18,400.0	11,915.0	18,348.7	11,740.0	57.9	60.1	66.89	6,629.3	1,407.3	445.8	327.5	118.28	3.769		
18,500.0	11,915.0	18,448.7	11,740.0	58.6	60.8	66.89	6,729.3	1,406.4	445.8	326.2	119.57	3.728		
18,600.0	11,915.0	18,548.7	11,740.0	59.3	61.4	66.89	6,829.3	1,405.5	445.8	324.9	120.87	3.688		
18,700.0	11,915.0	18,648.7	11,740.0	60.0	62.1	66.89	6,929.3	1,404.6	445.8	323.6	122.18	3.649		
18,800.0	11,915.0	18,748.7	11,740.0	60.6	62.7	66.89	7,029.3	1,403.7	445.8	322.3	123.49	3.610		
18,900.0	11,915.0	18,848.7	11,740.0	61.3	63.4	66.89	7,129.3	1,402.8	445.8	321.0	124.80	3.572		
19,000.0	11,915.0	18,948.7	11,740.0	62.0	64.0	66.89	7,229.3	1,401.9	445.8	319.7	126.12	3.535		
19,100.0	11,915.0	19,048.7	11,740.0	62.7	64.7	66.89	7,329.3	1,401.0	445.8	318.3	127.44	3.498		
19,200.0	11,915.0	19,148.7	11,740.0	63.4	65.4	66.89	7,429.3	1,400.0	445.8	317.0	128.77	3.462		
19,300.0	11,915.0	19,248.7	11,740.0	64.0	66.0	66.89	7,529.3	1,399.1	445.8	315.7	130.10	3.426		
19,400.0	11,915.0	19,348.7	11,740.0	64.7	66.7	66.89	7,629.3	1,398.2	445.8	314.3	131.43	3.392		
19,500.0	11,915.0	19,448.7	11,740.0	65.4	67.4	66.89	7,729.3	1,397.3	445.8	313.0	132.77	3.357		
19,600.0	11,915.0	19,548.7	11,740.0	66.1	68.1	66.89	7,829.3	1,396.4	445.8	311.7	134.12	3.324		
19,640.7	11,915.0	19,589.5	11,740.0	66.4	68.3	66.89	7,870.0	1,396.0	445.8	311.1	134.66	3.310		
19,646.0	11,915.0	19,594.7	11,740.0	66.4	68.4	66.89	7,875.2	1,396.0	445.8	311.1	134.73	3.309		
19,690.7	11,915.0	19,638.4	11,740.0	66.7	68.7	66.89	7,919.0	1,395.6	445.8	310.4	135.35	3.294		

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
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	-109.48	-83.6	-236.2	250.6	243.6	6.98	35.897		
100.0	100.0	98.0	98.0	3.1	3.1	-109.48	-83.6	-236.2	250.6	243.4	7.22	34.705		
200.0	200.0	198.0	198.0	3.2	3.2	-109.48	-83.6	-236.2	250.6	243.1	7.46	33.599		
300.0	300.0	298.0	298.0	3.4	3.4	-109.48	-83.6	-236.2	250.6	242.9	7.69	32.601		
400.0	400.0	398.0	398.0	3.5	3.5	-109.48	-83.6	-236.2	250.6	242.7	7.91	31.688		
500.0	500.0	498.0	498.0	3.6	3.6	-109.48	-83.6	-236.2	250.6	242.5	8.12	30.849		
600.0	600.0	598.0	598.0	3.7	3.7	-109.48	-83.6	-236.2	250.6	242.2	8.33	30.073		
700.0	700.0	698.0	698.0	3.9	3.9	-109.48	-83.6	-236.2	250.6	242.0	8.54	29.353		
800.0	800.0	798.0	798.0	4.0	4.0	-109.48	-83.6	-236.2	250.6	241.8	8.74	28.682		
900.0	900.0	898.0	898.0	4.1	4.1	-109.48	-83.6	-236.2	250.6	241.6	8.93	28.055		
1,000.0	1,000.0	998.0	998.0	4.2	4.2	-109.48	-83.6	-236.2	250.6	241.5	9.12	27.467		
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	-109.48	-83.6	-236.2	250.6	241.3	9.31	26.914		
1,200.0	1,200.0	1,198.0	1,198.0	4.5	4.5	-109.48	-83.6	-236.2	250.6	241.1	9.49	26.392		
1,300.0	1,300.0	1,298.0	1,298.0	4.6	4.6	-109.48	-83.6	-236.2	250.6	240.9	9.67	25.900		
1,400.0	1,400.0	1,398.0	1,398.0	4.7	4.7	-109.48	-83.6	-236.2	250.6	240.7	9.85	25.433		
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.8	-109.48	-83.6	-236.2	250.6	240.6	10.03	24.990 CC, ES, SF		
1,600.0	1,600.0	1,590.6	1,590.6	4.9	4.9	163.47	-84.6	-237.3	253.7	243.6	10.03	25.298		
1,700.0	1,699.8	1,682.6	1,682.5	5.1	5.2	163.34	-87.5	-240.5	263.1	252.5	10.51	25.031		
1,800.0	1,799.5	1,773.5	1,773.1	5.3	5.4	163.12	-92.5	-245.8	278.7	267.6	11.01	25.310		
1,900.0	1,898.7	1,862.8	1,861.8	5.6	5.6	162.84	-99.2	-253.0	300.4	288.9	11.52	26.064		
2,000.0	1,997.5	1,950.0	1,948.2	5.9	5.9	162.53	-107.6	-262.0	328.1	316.0	12.05	27.216		
2,100.0	2,095.6	2,034.9	2,031.8	6.3	6.2	162.18	-117.5	-272.6	361.6	349.0	12.60	28.706		
2,200.0	2,193.1	2,116.8	2,112.1	6.6	6.4	161.81	-128.7	-284.6	400.7	387.6	13.15	30.483		
2,300.0	2,290.1	2,200.0	2,193.1	6.9	6.7	161.66	-141.6	-298.5	443.7	430.0	13.67	32.452		
2,400.0	2,387.1	2,285.4	2,276.0	7.3	7.0	161.47	-155.7	-313.6	487.9	473.7	14.19	34.377		
2,500.0	2,484.1	2,375.1	2,363.0	7.6	7.3	161.30	-170.5	-329.4	532.2	517.4	14.78	36.014		
2,600.0	2,581.2	2,464.8	2,450.0	8.0	7.6	161.15	-185.3	-345.3	576.5	561.1	15.39	37.461		
2,700.0	2,678.2	2,554.4	2,537.0	8.3	7.9	161.03	-200.1	-361.2	620.7	604.7	16.02	38.740		
2,800.0	2,775.2	2,644.1	2,624.0	8.7	8.2	160.93	-214.9	-377.0	665.0	648.3	16.68	39.872		
2,900.0	2,872.3	2,733.8	2,711.0	9.1	8.6	160.83	-229.7	-392.9	709.2	691.9	17.35	40.875		
3,000.0	2,969.3	2,823.4	2,798.0	9.5	8.9	160.75	-244.5	-408.8	753.5	735.5	18.04	41.766		
3,100.0	3,066.3	2,913.1	2,885.0	9.9	9.3	160.68	-259.3	-424.6	797.8	779.0	18.75	42.558		
3,200.0	3,163.4	3,002.8	2,972.0	10.4	9.6	160.61	-274.1	-440.5	842.0	822.6	19.46	43.263		
3,300.0	3,260.4	3,092.4	3,059.0	10.8	10.0	160.55	-288.9	-456.4	886.3	866.1	20.19	43.893		
3,400.0	3,357.4	3,182.1	3,146.0	11.2	10.4	160.50	-303.7	-472.2	930.6	909.7	20.93	44.458		
3,500.0	3,454.4	3,271.7	3,233.0	11.7	10.7	160.45	-318.4	-488.1	974.9	953.2	21.68	44.965		

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11480-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+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	-115.40	-100.3	-211.3	233.9	226.9	6.98	33.502	
100.0	100.0	99.0	99.0	3.1	3.1	-115.40	-100.3	-211.3	233.9	226.7	7.22	32.379	
200.0	200.0	199.0	199.0	3.2	3.2	-115.40	-100.3	-211.3	233.9	226.4	7.46	31.349	
300.0	300.0	299.0	299.0	3.4	3.4	-115.40	-100.3	-211.3	233.9	226.2	7.69	30.413	
400.0	400.0	399.0	399.0	3.5	3.5	-115.40	-100.3	-211.3	233.9	226.0	7.91	29.556	
500.0	500.0	499.0	499.0	3.6	3.6	-115.40	-100.3	-211.3	233.9	225.7	8.13	28.766	
600.0	600.0	599.0	599.0	3.7	3.7	-115.40	-100.3	-211.3	233.9	225.5	8.34	28.035	
700.0	700.0	699.0	699.0	3.9	3.9	-115.40	-100.3	-211.3	233.9	225.3	8.55	27.355	
800.0	800.0	799.0	799.0	4.0	4.0	-115.40	-100.3	-211.3	233.9	225.1	8.75	26.722	
900.0	900.0	899.0	899.0	4.1	4.1	-115.40	-100.3	-211.3	233.9	224.9	8.95	26.128	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-115.40	-100.3	-211.3	233.9	224.7	9.15	25.571	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-115.40	-100.3	-211.3	233.9	224.5	9.34	25.047	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-115.40	-100.3	-211.3	233.9	224.3	9.53	24.552	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-115.40	-100.3	-211.3	233.9	224.2	9.71	24.084	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-115.40	-100.3	-211.3	233.9	224.0	9.89	23.641	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-115.40	-100.3	-211.3	233.9	223.8	10.07	23.219 CC, ES, SF	
1,600.0	1,600.0	1,592.0	1,592.0	4.9	5.0	157.59	-101.4	-212.2	237.0	226.9	10.07	23.534	
1,700.0	1,699.8	1,684.4	1,684.2	5.1	5.2	157.55	-104.7	-215.2	246.2	235.7	10.54	23.354	
1,800.0	1,799.5	1,775.7	1,775.3	5.3	5.4	157.48	-110.2	-220.1	261.7	250.6	11.03	23.712	
1,900.0	1,898.7	1,865.5	1,864.5	5.6	5.7	157.38	-117.6	-226.8	283.1	271.6	11.54	24.534	
2,000.0	1,997.5	1,953.3	1,951.4	5.9	5.9	157.25	-126.9	-235.2	310.5	298.4	12.06	25.743	
2,100.0	2,095.6	2,042.9	2,039.8	6.3	6.2	157.12	-138.2	-245.4	343.3	330.7	12.59	27.256	
2,200.0	2,193.1	2,136.1	2,131.5	6.6	6.4	157.12	-150.2	-256.2	379.5	366.3	13.15	28.853	
2,300.0	2,290.1	2,228.7	2,222.7	6.9	6.7	157.48	-162.2	-267.0	417.2	403.5	13.68	30.495	
2,400.0	2,387.1	2,321.3	2,313.9	7.3	7.0	157.77	-174.1	-277.7	454.9	440.7	14.24	31.955	
2,500.0	2,484.1	2,413.9	2,405.1	7.6	7.3	158.02	-186.1	-288.5	492.7	477.8	14.82	33.243	
2,600.0	2,581.2	2,506.5	2,496.2	8.0	7.6	158.24	-198.0	-299.2	530.4	515.0	15.43	34.380	
2,700.0	2,678.2	2,599.1	2,587.4	8.3	7.9	158.42	-210.0	-310.0	568.2	552.1	16.06	35.383	
2,800.0	2,775.2	2,691.6	2,678.6	8.7	8.2	158.59	-221.9	-320.7	605.9	589.2	16.71	36.268	
2,900.0	2,872.3	2,784.2	2,769.8	9.1	8.5	158.73	-233.9	-331.5	643.7	626.3	17.37	37.052	
3,000.0	2,969.3	2,876.8	2,861.0	9.5	8.9	158.86	-245.8	-342.3	681.4	663.4	18.05	37.748	
3,100.0	3,066.3	2,969.4	2,952.1	9.9	9.2	158.97	-257.8	-353.0	719.2	700.5	18.75	38.366	
3,200.0	3,163.4	3,062.0	3,043.3	10.4	9.6	159.08	-269.7	-363.8	757.0	737.5	19.45	38.917	
3,300.0	3,260.4	3,154.6	3,134.5	10.8	9.9	159.17	-281.7	-374.5	794.8	774.6	20.17	39.408	
3,400.0	3,357.4	3,247.2	3,225.7	11.2	10.3	159.25	-293.6	-385.3	832.5	811.6	20.89	39.849	
3,500.0	3,454.4	3,339.7	3,316.8	11.7	10.7	159.33	-305.6	-396.1	870.3	848.7	21.63	40.244	
3,600.0	3,551.5	3,432.3	3,408.0	12.1	11.0	159.40	-317.5	-406.8	908.1	885.7	22.37	40.600	
3,700.0	3,648.5	3,524.9	3,499.2	12.5	11.4	159.47	-329.5	-417.6	945.9	922.7	23.11	40.921	
3,800.0	3,745.5	3,617.5	3,590.4	13.0	11.8	159.53	-341.4	-428.3	983.6	959.8	23.87	41.212	

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 #706H
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 #706H	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	-122.18	-117.2	-186.2	220.0	213.0	6.98	31.518	
100.0	100.0	100.0	100.0	3.1	3.1	-122.18	-117.2	-186.2	220.0	212.8	7.23	30.451	
200.0	200.0	200.0	200.0	3.2	3.2	-122.18	-117.2	-186.2	220.0	212.6	7.46	29.481	
300.0	300.0	300.0	300.0	3.4	3.4	-122.18	-117.2	-186.2	220.0	212.3	7.69	28.596	
400.0	400.0	400.0	400.0	3.5	3.5	-122.18	-117.2	-186.2	220.0	212.1	7.92	27.782	
500.0	500.0	500.0	500.0	3.6	3.6	-122.18	-117.2	-186.2	220.0	211.9	8.14	27.031	
600.0	600.0	600.0	600.0	3.7	3.7	-122.18	-117.2	-186.2	220.0	211.7	8.36	26.334	
700.0	700.0	700.0	700.0	3.9	3.9	-122.18	-117.2	-186.2	220.0	211.5	8.57	25.685	
800.0	800.0	800.0	800.0	4.0	4.0	-122.18	-117.2	-186.2	220.0	211.3	8.77	25.079	
900.0	900.0	900.0	900.0	4.1	4.1	-122.18	-117.2	-186.2	220.0	211.1	8.98	24.511	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-122.18	-117.2	-186.2	220.0	210.9	9.18	23.977	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-122.18	-117.2	-186.2	220.0	210.7	9.37	23.473	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	-122.18	-117.2	-186.2	220.0	210.5	9.57	22.997	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-122.18	-117.2	-186.2	220.0	210.3	9.76	22.547	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	-122.18	-117.2	-186.2	220.0	210.1	9.95	22.119	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-122.18	-117.2	-186.2	220.0	209.9	10.13	21.713 CC, ES	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	5.0	151.03	-117.2	-186.2	221.6	211.4	10.13	21.862	
1,700.0	1,699.8	1,699.8	1,699.8	5.1	5.1	151.62	-117.2	-186.2	226.1	215.6	10.52	21.491	
1,800.0	1,799.5	1,799.5	1,799.5	5.3	5.3	152.57	-117.2	-186.2	233.9	222.9	10.92	21.411 SF	
1,900.0	1,898.7	1,898.7	1,898.7	5.6	5.4	153.78	-117.2	-186.2	244.7	233.4	11.34	21.584	
2,000.0	1,997.5	1,997.5	1,997.5	5.9	5.6	155.19	-117.2	-186.2	258.9	247.1	11.78	21.982	
2,100.0	2,095.6	2,095.6	2,095.6	6.3	5.7	156.70	-117.2	-186.2	276.4	264.1	12.24	22.576	
2,200.0	2,193.1	2,193.1	2,193.1	6.6	5.8	158.26	-117.2	-186.2	297.2	284.5	12.73	23.345	
2,300.0	2,290.1	2,290.1	2,290.1	6.9	5.9	159.86	-117.2	-186.2	319.9	306.7	13.18	24.274	
2,400.0	2,387.1	2,387.1	2,387.1	7.3	6.1	161.24	-117.2	-186.2	342.8	329.2	13.65	25.121	
2,500.0	2,484.1	2,484.1	2,484.1	7.6	6.2	162.46	-117.2	-186.2	365.9	351.7	14.13	25.887	
2,600.0	2,581.2	2,581.2	2,581.2	8.0	6.3	163.53	-117.2	-186.2	389.1	374.4	14.64	26.578	
2,700.0	2,678.2	2,678.2	2,678.2	8.3	6.4	164.48	-117.2	-186.2	412.4	397.2	15.16	27.201	
2,800.0	2,775.2	2,775.2	2,775.2	8.7	6.6	165.33	-117.2	-186.2	435.8	420.1	15.70	27.764	
2,900.0	2,872.3	2,872.3	2,872.3	9.1	6.7	166.09	-117.2	-186.2	459.3	443.0	16.24	28.272	
3,000.0	2,969.3	2,969.3	2,969.3	9.5	6.8	166.78	-117.2	-186.2	482.8	466.0	16.80	28.730	
3,100.0	3,066.3	3,066.3	3,066.3	9.9	6.9	167.41	-117.2	-186.2	506.4	489.0	17.38	29.146	
3,200.0	3,163.4	3,163.4	3,163.4	10.4	7.0	167.98	-117.2	-186.2	530.1	512.1	17.96	29.522	
3,300.0	3,260.4	3,260.4	3,260.4	10.8	7.2	168.50	-117.2	-186.2	553.8	535.3	18.54	29.864	
3,400.0	3,357.4	3,357.4	3,357.4	11.2	7.3	168.98	-117.2	-186.2	577.6	558.4	19.14	30.174	
3,500.0	3,454.4	3,454.4	3,454.4	11.7	7.4	169.42	-117.2	-186.2	601.3	581.6	19.74	30.458	
3,600.0	3,551.5	3,551.5	3,551.5	12.1	7.5	169.82	-117.2	-186.2	625.2	604.8	20.35	30.716	
3,700.0	3,648.5	3,648.5	3,648.5	12.5	7.6	170.20	-117.2	-186.2	649.0	628.0	20.97	30.953	
3,800.0	3,745.5	3,745.5	3,745.5	13.0	7.7	170.55	-117.2	-186.2	672.9	651.3	21.59	31.170	
3,900.0	3,842.6	3,842.6	3,842.6	13.4	7.8	170.88	-117.2	-186.2	696.8	674.6	22.21	31.369	
4,000.0	3,939.6	3,939.6	3,939.6	13.9	7.9	171.18	-117.2	-186.2	720.7	697.9	22.84	31.552	
4,100.0	4,036.6	4,036.6	4,036.6	14.3	8.0	171.47	-117.2	-186.2	744.6	721.1	23.47	31.721	
4,200.0	4,133.6	4,133.6	4,133.6	14.8	8.2	171.73	-117.2	-186.2	768.6	744.5	24.11	31.877	
4,300.0	4,230.7	4,230.7	4,230.7	15.3	8.3	171.99	-117.2	-186.2	792.5	767.8	24.75	32.021	
4,400.0	4,327.7	4,327.7	4,327.7	15.7	8.4	172.22	-117.2	-186.2	816.5	791.1	25.39	32.155	
4,500.0	4,424.7	4,424.7	4,424.7	16.2	8.5	172.45	-117.2	-186.2	840.5	814.5	26.04	32.279	
4,600.0	4,521.8	4,521.8	4,521.8	16.7	8.6	172.66	-117.2	-186.2	864.5	837.8	26.69	32.394	
4,700.0	4,618.8	4,618.8	4,618.8	17.1	8.7	172.86	-117.2	-186.2	888.5	861.2	27.34	32.502	
4,800.0	4,715.8	4,715.8	4,715.8	17.6	8.8	173.04	-117.2	-186.2	912.5	884.5	27.99	32.602	
4,900.0	4,812.9	4,812.9	4,812.9	18.1	8.9	173.22	-117.2	-186.2	936.6	907.9	28.65	32.695	
5,000.0	4,909.9	4,909.9	4,909.9	18.5	9.0	173.39	-117.2	-186.2	960.6	931.3	29.30	32.783	
5,100.0	5,006.9	5,006.9	5,006.9	19.0	9.1	173.56	-117.2	-186.2	984.6	954.7	29.96	32.864	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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	-129.71	-133.8	-161.2	209.5	202.5	6.98	30.010	
100.0	100.0	100.0	100.0	3.1	3.1	-129.71	-133.8	-161.2	209.5	202.3	7.23	28.991	
200.0	200.0	200.0	200.0	3.2	3.2	-129.71	-133.8	-161.2	209.5	202.0	7.47	28.063	
300.0	300.0	300.0	300.0	3.4	3.4	-129.71	-133.8	-161.2	209.5	201.8	7.70	27.213	
400.0	400.0	400.0	400.0	3.5	3.5	-129.71	-133.8	-161.2	209.5	201.6	7.93	26.429	
500.0	500.0	500.0	500.0	3.6	3.6	-129.71	-133.8	-161.2	209.5	201.3	8.15	25.703	
600.0	600.0	600.0	600.0	3.7	3.7	-129.71	-133.8	-161.2	209.5	201.1	8.37	25.029	
700.0	700.0	700.0	700.0	3.9	3.9	-129.71	-133.8	-161.2	209.5	200.9	8.59	24.399	
800.0	800.0	800.0	800.0	4.0	4.0	-129.71	-133.8	-161.2	209.5	200.7	8.80	23.810	
900.0	900.0	900.0	900.0	4.1	4.1	-129.71	-133.8	-161.2	209.5	200.5	9.01	23.257	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-129.71	-133.8	-161.2	209.5	200.3	9.21	22.737	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-129.71	-133.8	-161.2	209.5	200.1	9.42	22.245	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	-129.71	-133.8	-161.2	209.5	199.9	9.62	21.780	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-129.71	-133.8	-161.2	209.5	199.7	9.82	21.339	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	-129.71	-133.8	-161.2	209.5	199.5	10.01	20.920	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-129.71	-133.8	-161.2	209.5	199.3	10.21	20.522	
1,600.0	1,600.0	1,606.6	1,606.5	4.9	4.9	143.31	-133.6	-159.2	209.3	199.1	10.20	20.520	
1,700.0	1,699.8	1,713.1	1,712.9	5.1	5.1	143.35	-132.9	-153.3	208.8	198.2	10.67	19.578	
1,800.0	1,799.5	1,819.6	1,819.0	5.3	5.3	143.41	-131.7	-143.5	208.0	196.9	11.15	18.657	
1,900.0	1,898.7	1,924.5	1,923.0	5.6	5.6	143.52	-130.0	-130.1	206.9	195.3	11.64	17.776	
1,919.6	1,918.1	1,944.1	1,942.4	5.6	5.7	143.57	-129.7	-127.4	206.9	195.2	11.73	17.631 CC, ES	
2,000.0	1,997.5	2,024.5	2,022.0	5.9	5.9	144.02	-128.3	-116.3	207.8	195.7	12.13	17.132	
2,100.0	2,095.6	2,124.3	2,120.9	6.3	6.2	145.02	-126.6	-102.5	211.5	198.9	12.66	16.703	
2,200.0	2,193.1	2,224.0	2,219.5	6.6	6.4	146.47	-124.9	-88.7	218.2	205.0	13.25	16.468	
2,300.0	2,290.1	2,323.4	2,318.0	6.9	6.7	148.14	-123.3	-75.0	226.6	212.7	13.83	16.377	
2,400.0	2,387.1	2,422.8	2,416.5	7.3	7.0	149.69	-121.6	-61.3	235.0	220.6	14.45	16.263	
2,500.0	2,484.1	2,522.3	2,514.9	7.6	7.4	151.12	-119.9	-47.5	243.7	228.6	15.11	16.131	
2,600.0	2,581.2	2,621.7	2,613.4	8.0	7.7	152.46	-118.2	-33.8	252.5	236.7	15.79	15.988	
2,700.0	2,678.2	2,721.2	2,711.9	8.3	8.0	153.71	-116.5	-20.1	261.4	244.9	16.51	15.838	
2,800.0	2,775.2	2,820.6	2,810.4	8.7	8.4	154.88	-114.8	-6.3	270.5	253.2	17.24	15.685	
2,900.0	2,872.3	2,920.1	2,908.8	9.1	8.8	155.97	-113.1	7.4	279.6	261.6	18.00	15.532	
3,000.0	2,969.3	3,019.5	3,007.3	9.5	9.1	156.99	-111.5	21.1	288.9	270.1	18.78	15.382	
3,100.0	3,066.3	3,119.0	3,105.8	9.9	9.5	157.95	-109.8	34.9	298.2	278.6	19.57	15.235	
3,200.0	3,163.4	3,218.4	3,204.3	10.4	9.9	158.85	-108.1	48.6	307.6	287.2	20.38	15.094	
3,300.0	3,260.4	3,317.8	3,302.7	10.8	10.2	159.70	-106.4	62.4	317.1	295.9	21.20	14.957	
3,400.0	3,357.4	3,417.3	3,401.2	11.2	10.6	160.49	-104.7	76.1	326.6	304.6	22.03	14.826	
3,500.0	3,454.4	3,516.7	3,499.7	11.7	11.0	161.25	-103.0	89.8	336.2	313.3	22.87	14.702	
3,600.0	3,551.5	3,616.2	3,598.2	12.1	11.4	161.96	-101.3	103.6	345.8	322.1	23.72	14.583	
3,700.0	3,648.5	3,715.6	3,696.6	12.5	11.8	162.63	-99.6	117.3	355.5	331.0	24.57	14.470	
3,800.0	3,745.5	3,815.1	3,795.1	13.0	12.2	163.26	-98.0	131.0	365.3	339.9	25.43	14.363	
3,900.0	3,842.6	3,914.5	3,893.6	13.4	12.6	163.87	-96.3	144.8	375.1	348.8	26.30	14.262	
4,000.0	3,939.6	4,013.9	3,992.1	13.9	13.0	164.44	-94.6	158.5	384.9	357.7	27.17	14.165	
4,100.0	4,036.6	4,113.4	4,090.6	14.3	13.4	164.98	-92.9	172.3	394.8	366.7	28.05	14.074	
4,200.0	4,133.6	4,212.8	4,189.0	14.8	13.8	165.50	-91.2	186.0	404.7	375.7	28.93	13.988	
4,300.0	4,230.7	4,310.2	4,285.5	15.3	14.2	165.98	-89.6	199.4	414.7	384.9	29.79	13.921	
4,400.0	4,327.7	4,400.0	4,374.5	15.7	14.5	166.44	-88.2	210.6	425.9	395.3	30.62	13.913 SF	
4,500.0	4,424.7	4,495.1	4,469.0	16.2	14.9	166.92	-86.9	221.1	438.8	407.3	31.46	13.949	
4,600.0	4,521.8	4,586.9	4,560.4	16.7	15.3	167.39	-85.9	229.6	453.2	421.0	32.26	14.050	
4,700.0	4,618.8	4,678.2	4,651.5	17.1	15.6	167.86	-85.0	236.7	469.3	436.3	33.04	14.204	
4,800.0	4,715.8	4,769.1	4,742.1	17.6	15.9	168.32	-84.3	242.4	486.9	453.1	33.80	14.408	
4,900.0	4,812.9	4,859.3	4,832.3	18.1	16.2	168.77	-83.8	246.5	506.1	471.6	34.53	14.660	
5,000.0	4,909.9	4,949.0	4,922.0	18.5	16.5	169.20	-83.4	249.3	526.9	491.7	35.22	14.961	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,006.9	5,038.1	5,011.0	19.0	16.7	169.62	-83.3	250.7	549.2	513.4	35.84	15.325	
5,200.0	5,103.9	5,131.0	5,103.9	19.5	16.8	170.04	-83.3	250.8	572.9	536.5	36.39	15.744	
5,300.0	5,201.0	5,228.0	5,201.0	19.9	16.8	170.44	-83.3	250.8	596.8	559.8	36.95	16.150	
5,400.0	5,298.0	5,325.1	5,298.0	20.4	16.9	170.81	-83.3	250.8	620.6	583.1	37.51	16.546	
5,500.0	5,395.0	5,422.1	5,395.0	20.9	16.9	171.15	-83.3	250.8	644.6	606.5	38.07	16.929	
5,521.6	5,416.0	5,443.1	5,416.0	21.0	16.9	171.22	-83.3	250.8	649.7	611.5	38.19	17.013	
5,600.0	5,492.2	5,519.3	5,492.2	21.4	16.9	171.49	-83.3	250.8	668.0	629.3	38.63	17.292	
5,700.0	5,589.7	5,616.8	5,589.7	21.8	17.0	171.79	-83.3	250.8	689.8	650.6	39.19	17.601	
5,800.0	5,687.6	5,714.7	5,687.6	22.3	17.0	172.06	-83.3	250.8	709.9	670.1	39.74	17.862	
5,900.0	5,785.9	5,813.0	5,785.9	22.7	17.1	172.28	-83.3	250.8	728.3	688.0	40.29	18.077	
6,000.0	5,884.5	5,911.5	5,884.5	23.2	17.1	172.48	-83.3	250.8	745.0	704.2	40.83	18.247	
6,100.0	5,983.3	6,010.4	5,983.3	23.6	17.2	172.65	-83.3	250.8	760.1	718.7	41.36	18.377	
6,200.0	6,082.4	6,109.5	6,082.4	24.0	17.2	172.79	-83.3	250.8	773.4	731.5	41.88	18.467	
6,300.0	6,181.7	6,208.8	6,181.7	24.5	17.3	172.91	-83.3	250.8	785.0	742.6	42.39	18.520	
6,400.0	6,281.2	6,308.3	6,281.2	24.9	17.3	173.02	-83.3	250.8	794.9	752.0	42.88	18.538	
6,500.0	6,380.9	6,408.0	6,380.9	25.2	17.4	173.10	-83.3	250.8	803.0	759.7	43.35	18.523	
6,600.0	6,480.7	6,507.7	6,480.7	25.6	17.4	173.16	-83.3	250.8	809.5	765.7	43.81	18.479	
6,700.0	6,580.6	6,607.6	6,580.6	25.9	17.5	173.20	-83.3	250.8	814.2	769.9	44.23	18.408	
6,800.0	6,680.5	6,707.6	6,680.5	26.2	17.5	173.23	-83.3	250.8	817.1	772.5	44.62	18.315	
6,900.0	6,780.5	6,807.6	6,780.5	26.5	17.6	173.24	-83.3	250.8	818.4	773.5	44.93	18.215	
6,921.6	6,802.1	6,829.2	6,802.1	26.5	17.6	-99.76	-83.3	250.8	818.4	773.5	44.96	18.203	
7,000.0	6,880.5	6,907.6	6,880.5	26.5	17.6	-99.76	-83.3	250.8	818.4	773.4	45.01	18.182	
7,100.0	6,980.5	7,007.6	6,980.5	26.5	17.7	-99.76	-83.3	250.8	818.4	773.3	45.08	18.153	
7,200.0	7,080.5	7,107.6	7,080.5	26.6	17.7	-99.76	-83.3	250.8	818.4	773.3	45.16	18.124	
7,300.0	7,180.5	7,207.6	7,180.5	26.6	17.8	-99.76	-83.3	250.8	818.4	773.2	45.23	18.095	
7,400.0	7,280.5	7,307.6	7,280.5	26.6	17.8	-99.76	-83.3	250.8	818.4	773.1	45.30	18.065	
7,500.0	7,380.5	7,407.6	7,380.5	26.7	17.9	-99.76	-83.3	250.8	818.4	773.1	45.38	18.036	
7,600.0	7,480.5	7,507.6	7,480.5	26.7	17.9	-99.76	-83.3	250.8	818.4	773.0	45.45	18.006	
7,700.0	7,580.5	7,607.6	7,580.5	26.7	18.0	-99.76	-83.3	250.8	818.4	772.9	45.53	17.976	
7,800.0	7,680.5	7,707.6	7,680.5	26.7	18.0	-99.76	-83.3	250.8	818.4	772.8	45.60	17.947	
7,900.0	7,780.5	7,807.6	7,780.5	26.8	18.1	-99.76	-83.3	250.8	818.4	772.7	45.68	17.917	
8,000.0	7,880.5	7,907.6	7,880.5	26.8	18.1	-99.76	-83.3	250.8	818.4	772.7	45.76	17.887	
8,100.0	7,980.5	8,007.6	7,980.5	26.8	18.2	-99.76	-83.3	250.8	818.4	772.6	45.83	17.857	
8,200.0	8,080.5	8,107.6	8,080.5	26.9	18.2	-99.76	-83.3	250.8	818.4	772.5	45.91	17.827	
8,300.0	8,180.5	8,207.6	8,180.5	26.9	18.3	-99.76	-83.3	250.8	818.4	772.4	45.99	17.797	
8,400.0	8,280.5	8,307.6	8,280.5	26.9	18.3	-99.76	-83.3	250.8	818.4	772.4	46.07	17.767	
8,500.0	8,380.5	8,407.6	8,380.5	27.0	18.4	-99.76	-83.3	250.8	818.4	772.3	46.14	17.736	
8,600.0	8,480.5	8,507.6	8,480.5	27.0	18.4	-99.76	-83.3	250.8	818.4	772.2	46.22	17.706	
8,700.0	8,580.5	8,607.6	8,580.5	27.0	18.5	-99.76	-83.3	250.8	818.4	772.1	46.30	17.676	
8,800.0	8,680.5	8,707.6	8,680.5	27.1	18.6	-99.76	-83.3	250.8	818.4	772.0	46.38	17.645	
8,900.0	8,780.5	8,807.6	8,780.5	27.1	18.6	-99.76	-83.3	250.8	818.4	772.0	46.46	17.615	
9,000.0	8,880.5	8,907.6	8,880.5	27.1	18.7	-99.76	-83.3	250.8	818.4	771.9	46.54	17.584	
9,100.0	8,980.5	9,007.6	8,980.5	27.2	18.7	-99.76	-83.3	250.8	818.4	771.8	46.62	17.554	
9,200.0	9,080.5	9,107.6	9,080.5	27.2	18.8	-99.76	-83.3	250.8	818.4	771.7	46.71	17.523	
9,300.0	9,180.5	9,207.6	9,180.5	27.2	18.8	-99.76	-83.3	250.8	818.4	771.6	46.79	17.492	
9,400.0	9,280.5	9,307.6	9,280.5	27.3	18.9	-99.76	-83.3	250.8	818.4	771.6	46.87	17.462	
9,500.0	9,380.5	9,407.6	9,380.5	27.3	18.9	-99.76	-83.3	250.8	818.4	771.5	46.95	17.431	
9,600.0	9,480.5	9,507.6	9,480.5	27.3	19.0	-99.76	-83.3	250.8	818.4	771.4	47.04	17.400	
9,700.0	9,580.5	9,607.6	9,580.5	27.4	19.0	-99.76	-83.3	250.8	818.4	771.3	47.12	17.369	
9,800.0	9,680.5	9,707.6	9,680.5	27.4	19.1	-99.76	-83.3	250.8	818.4	771.2	47.20	17.338	
9,900.0	9,780.5	9,807.6	9,780.5	27.4	19.2	-99.76	-83.3	250.8	818.4	771.1	47.29	17.307	
10,000.0	9,880.5	9,907.6	9,880.5	27.5	19.2	-99.76	-83.3	250.8	818.4	771.1	47.37	17.276	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	9,980.5	10,007.6	9,980.5	27.5	19.3	-99.76	-83.3	250.8	818.4	771.0	47.46	17.245	
10,200.0	10,080.5	10,107.6	10,080.5	27.5	19.3	-99.76	-83.3	250.8	818.4	770.9	47.54	17.214	
10,300.0	10,180.5	10,207.6	10,180.5	27.6	19.4	-99.76	-83.3	250.8	818.4	770.8	47.63	17.183	
10,400.0	10,280.5	10,307.6	10,280.5	27.6	19.4	-99.76	-83.3	250.8	818.4	770.7	47.72	17.152	
10,500.0	10,380.5	10,407.6	10,380.5	27.6	19.5	-99.76	-83.3	250.8	818.4	770.6	47.80	17.121	
10,600.0	10,480.5	10,507.6	10,480.5	27.7	19.6	-99.76	-83.3	250.8	818.4	770.5	47.89	17.090	
10,700.0	10,580.5	10,607.6	10,580.5	27.7	19.6	-99.76	-83.3	250.8	818.4	770.5	47.98	17.059	
10,800.0	10,680.5	10,707.6	10,680.5	27.7	19.7	-99.76	-83.3	250.8	818.4	770.4	48.07	17.027	
10,900.0	10,780.5	10,807.6	10,780.5	27.8	19.7	-99.76	-83.3	250.8	818.4	770.3	48.15	16.996	
11,000.0	10,880.5	10,907.6	10,880.5	27.8	19.8	-99.76	-83.3	250.8	818.4	770.2	48.24	16.965	
11,100.0	10,980.5	11,007.6	10,980.5	27.9	19.8	-99.76	-83.3	250.8	818.4	770.1	48.33	16.934	
11,200.0	11,080.5	11,107.6	11,080.5	27.9	19.9	-99.76	-83.3	250.8	818.4	770.0	48.42	16.902	
11,300.0	11,180.5	11,207.6	11,180.5	27.9	20.0	-99.76	-83.3	250.8	818.4	769.9	48.51	16.871	
11,400.0	11,280.5	11,307.6	11,280.5	28.0	20.0	-99.76	-83.3	250.8	818.4	769.8	48.60	16.840	
11,500.0	11,380.5	11,407.6	11,380.5	28.0	20.1	-99.76	-83.3	250.8	818.4	769.7	48.69	16.809	
11,537.3	11,417.8	11,444.9	11,417.8	28.0	20.1	-99.76	-83.3	250.8	818.4	769.7	48.71	16.802	
11,557.0	11,437.5	11,464.2	11,437.1	28.0	20.1	-99.76	-83.3	250.8	818.4	769.8	48.63	16.830	
11,575.0	11,455.5	11,478.2	11,451.1	28.0	20.1	-99.25	-83.5	250.8	818.5	770.1	48.47	16.886	
11,600.0	11,480.4	11,500.0	11,472.9	28.0	20.1	-99.38	-84.7	250.8	819.0	770.6	48.45	16.905	
11,625.0	11,505.3	11,516.5	11,489.3	28.0	20.1	-99.52	-86.3	250.8	819.9	771.5	48.38	16.947	
11,650.0	11,529.9	11,534.7	11,507.4	28.0	20.1	-99.74	-88.7	250.8	821.2	772.9	48.32	16.995	
11,675.0	11,554.3	11,550.0	11,522.4	28.0	20.1	-99.92	-91.2	250.9	823.0	774.7	48.23	17.062	
11,700.0	11,578.4	11,568.7	11,540.8	28.0	20.1	-100.24	-95.0	250.9	825.3	777.1	48.16	17.135	
11,725.0	11,602.1	11,584.1	11,555.7	28.0	20.1	-100.46	-98.6	250.9	828.1	780.0	48.06	17.230	
11,750.0	11,625.3	11,600.0	11,571.0	28.0	20.1	-100.71	-102.9	250.9	831.6	783.6	47.96	17.340	
11,775.0	11,648.0	11,611.4	11,581.9	28.0	20.1	-100.74	-106.2	251.0	835.7	787.8	47.82	17.476	
11,800.0	11,670.1	11,625.0	11,594.8	28.0	20.1	-100.84	-110.6	251.0	840.5	792.8	47.68	17.626	
11,825.0	11,691.7	11,633.6	11,602.9	28.0	20.1	-100.63	-113.6	251.0	846.0	798.5	47.52	17.803	
11,850.0	11,712.5	11,642.9	11,611.6	28.0	20.1	-100.38	-116.9	251.0	852.3	805.0	47.35	17.999	
11,875.0	11,732.5	11,650.0	11,618.2	28.0	20.1	-99.92	-119.6	251.0	859.4	812.2	47.17	18.218	
11,900.0	11,751.8	11,658.1	11,625.6	28.0	20.1	-99.44	-122.7	251.1	867.2	820.2	46.99	18.455	
11,925.0	11,770.1	11,664.0	11,631.0	28.0	20.1	-98.73	-125.1	251.1	875.8	829.0	46.80	18.715	
11,950.0	11,787.6	11,668.9	11,635.4	28.1	20.1	-97.85	-127.1	251.1	885.1	838.5	46.60	18.996	
11,975.0	11,804.1	11,675.0	11,641.0	28.1	20.1	-96.95	-129.7	251.1	895.2	848.8	46.39	19.296	
12,000.0	11,819.6	11,675.0	11,641.0	28.1	20.1	-95.53	-129.7	251.1	906.0	859.8	46.19	19.616	
12,025.0	11,834.1	11,675.0	11,641.0	28.1	20.1	-94.00	-129.7	251.1	917.4	871.4	45.98	19.954	
12,050.0	11,847.5	11,675.0	11,641.0	28.1	20.1	-92.35	-129.7	251.1	929.4	883.7	45.77	20.307	
12,075.0	11,859.7	11,675.0	11,641.0	28.1	20.1	-90.60	-129.7	251.1	942.0	896.5	45.56	20.676	
12,100.0	11,870.8	11,675.0	11,641.0	28.1	20.1	-88.76	-129.7	251.1	955.1	909.8	45.35	21.060	
12,125.0	11,880.7	11,675.0	11,641.0	28.1	20.1	-86.83	-129.7	251.1	968.7	923.5	45.15	21.456	
12,150.0	11,889.4	11,675.0	11,641.0	28.1	20.1	-84.82	-129.7	251.1	982.6	937.7	44.94	21.865	
12,175.0	11,896.9	11,675.0	11,641.0	28.2	20.1	-82.75	-129.7	251.1	996.9	952.1	44.73	22.285	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-137.94	-150.7	-136.0	203.0	196.0	6.98	29.081	
100.0	100.0	100.0	100.0	3.1	3.1	-137.94	-150.7	-136.0	203.0	195.8	7.23	28.092	
200.0	200.0	200.0	200.0	3.2	3.2	-137.94	-150.7	-136.0	203.0	195.5	7.47	27.187	
300.0	300.0	300.0	300.0	3.4	3.4	-137.94	-150.7	-136.0	203.0	195.3	7.70	26.354	
400.0	400.0	400.0	400.0	3.5	3.5	-137.94	-150.7	-136.0	203.0	195.1	7.93	25.585	
500.0	500.0	500.0	500.0	3.6	3.6	-137.94	-150.7	-136.0	203.0	194.9	8.16	24.871	
600.0	600.0	600.0	600.0	3.7	3.7	-137.94	-150.7	-136.0	203.0	194.6	8.39	24.205	
700.0	700.0	700.0	700.0	3.9	3.9	-137.94	-150.7	-136.0	203.0	194.4	8.61	23.582	
800.0	800.0	800.0	800.0	4.0	4.0	-137.94	-150.7	-136.0	203.0	194.2	8.83	22.999	
900.0	900.0	900.0	900.0	4.1	4.1	-137.94	-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	-137.94	-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	-137.94	-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	-137.94	-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	-137.94	-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	-137.94	-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	-137.94	-150.7	-136.0	203.0	192.7	10.29	19.722	
1,600.0	1,600.0	1,605.4	1,605.4	4.9	4.9	135.05	-150.6	-134.1	202.9	192.7	10.25	19.794	
1,700.0	1,699.8	1,710.7	1,710.6	5.1	5.1	135.02	-150.2	-128.3	202.7	192.0	10.67	18.985	
1,800.0	1,799.5	1,816.1	1,815.5	5.3	5.3	134.96	-149.5	-118.6	202.2	191.1	11.11	18.204	
1,900.0	1,898.7	1,921.4	1,919.9	5.6	5.7	134.88	-148.6	-105.1	201.6	190.0	11.56	17.440	
2,000.0	1,997.5	2,026.7	2,023.8	5.9	6.0	134.77	-147.4	-87.8	200.8	188.8	12.03	16.689	
2,100.0	2,095.6	2,130.4	2,125.4	6.3	6.3	134.67	-145.9	-67.3	200.0	187.4	12.52	15.967	
2,110.4	2,105.8	2,140.8	2,135.5	6.3	6.4	134.69	-145.8	-65.1	199.9	187.4	12.57	15.900 CC, ES	
2,200.0	2,193.1	2,230.4	2,223.1	6.6	6.6	135.09	-144.5	-46.5	200.9	187.9	13.04	15.411	
2,300.0	2,290.1	2,330.3	2,320.9	6.9	7.0	135.85	-143.0	-25.8	203.2	189.6	13.56	14.982	
2,400.0	2,387.1	2,430.2	2,418.7	7.3	7.3	136.61	-141.6	-5.1	205.4	191.3	14.12	14.552	
2,500.0	2,484.1	2,530.2	2,516.4	7.6	7.6	137.34	-140.1	15.7	207.7	193.0	14.71	14.125	
2,600.0	2,581.2	2,630.1	2,614.2	8.0	8.0	138.06	-138.7	36.4	210.1	194.8	15.33	13.706	
2,700.0	2,678.2	2,730.1	2,711.9	8.3	8.4	138.76	-137.2	57.1	212.5	196.5	15.98	13.299	
2,800.0	2,775.2	2,830.0	2,809.7	8.7	8.7	139.45	-135.8	77.8	214.9	198.2	16.65	12.905	
2,900.0	2,872.3	2,929.9	2,907.4	9.1	9.1	140.12	-134.3	98.6	217.3	200.0	17.35	12.526	
3,000.0	2,969.3	3,029.9	3,005.2	9.5	9.5	140.77	-132.9	119.3	219.8	201.7	18.07	12.164	
3,100.0	3,066.3	3,129.8	3,102.9	9.9	9.9	141.42	-131.4	140.0	222.3	203.4	18.81	11.818	
3,200.0	3,163.4	3,229.8	3,200.7	10.4	10.3	142.04	-130.0	160.8	224.8	205.2	19.56	11.489	
3,300.0	3,260.4	3,329.7	3,298.4	10.8	10.8	142.66	-128.5	181.5	227.3	207.0	20.34	11.177	
3,400.0	3,357.4	3,429.6	3,396.2	11.2	11.2	143.26	-127.1	202.2	229.9	208.8	21.13	10.881	
3,500.0	3,454.4	3,529.6	3,494.0	11.7	11.6	143.84	-125.6	222.9	232.5	210.5	21.93	10.600	
3,600.0	3,551.5	3,629.5	3,591.7	12.1	12.0	144.42	-124.2	243.7	235.1	212.3	22.75	10.334	
3,700.0	3,648.5	3,729.4	3,689.5	12.5	12.5	144.98	-122.7	264.4	237.7	214.2	23.58	10.082	
3,800.0	3,745.5	3,829.4	3,787.2	13.0	12.9	145.53	-121.3	285.1	240.4	216.0	24.42	9.844	
3,900.0	3,842.6	3,929.3	3,885.0	13.4	13.3	146.06	-119.8	305.9	243.1	217.8	25.27	9.619	
4,000.0	3,939.6	4,029.3	3,982.7	13.9	13.8	146.59	-118.4	326.6	245.8	219.7	26.13	9.405	
4,100.0	4,036.6	4,129.2	4,080.5	14.3	14.2	147.10	-116.9	347.3	248.5	221.5	27.00	9.203	
4,200.0	4,133.6	4,229.1	4,178.2	14.8	14.7	147.60	-115.5	368.0	251.3	223.4	27.88	9.012	
4,300.0	4,230.7	4,329.1	4,276.0	15.3	15.1	148.09	-114.0	388.8	254.0	225.3	28.77	8.830	
4,400.0	4,327.7	4,429.0	4,373.7	15.7	15.6	148.57	-112.6	409.5	256.8	227.2	29.66	8.658	
4,500.0	4,424.7	4,529.0	4,471.5	16.2	16.0	149.04	-111.1	430.2	259.6	229.1	30.56	8.494	
4,600.0	4,521.8	4,628.9	4,569.3	16.7	16.5	149.50	-109.7	450.9	262.4	231.0	31.47	8.339	
4,700.0	4,618.8	4,728.8	4,667.0	17.1	16.9	149.95	-108.2	471.7	265.3	232.9	32.38	8.192	
4,800.0	4,715.8	4,828.8	4,764.8	17.6	17.4	150.40	-106.8	492.4	268.1	234.8	33.30	8.052	
4,900.0	4,812.9	4,928.7	4,862.5	18.1	17.8	150.83	-105.3	513.1	271.0	236.8	34.22	7.919	
5,000.0	4,909.9	5,028.6	4,960.3	18.5	18.3	151.25	-103.9	533.9	273.9	238.7	35.15	7.791	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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	5,006.9	5,127.6	5,057.1	19.0	18.7	151.66	-102.4	554.3	276.8	240.7	36.08	7.672	
5,200.0	5,103.9	5,223.4	5,151.0	19.5	19.2	152.16	-101.1	573.0	280.8	243.8	37.01	7.588	
5,300.0	5,201.0	5,318.9	5,245.0	19.9	19.6	152.78	-99.9	590.2	286.3	248.4	37.95	7.546	
5,400.0	5,298.0	5,414.3	5,339.0	20.4	20.0	153.52	-98.9	605.7	293.4	254.5	38.89	7.544 SF	
5,500.0	5,395.0	5,509.3	5,433.1	20.9	20.4	154.34	-97.9	619.6	302.0	262.2	39.84	7.580	
5,521.6	5,416.0	5,529.8	5,453.4	21.0	20.5	154.53	-97.7	622.4	304.1	264.0	40.04	7.594	
5,600.0	5,492.2	5,604.1	5,527.0	21.4	20.8	155.23	-97.0	631.9	311.7	270.9	40.77	7.646	
5,700.0	5,589.7	5,700.0	5,622.3	21.8	21.2	156.08	-96.3	642.8	321.4	279.8	41.68	7.712	
5,800.0	5,687.6	5,793.2	5,715.0	22.3	21.6	156.84	-95.6	651.8	331.2	288.7	42.52	7.789	
5,900.0	5,785.9	5,887.5	5,809.0	22.7	21.9	157.56	-95.1	659.4	340.9	297.5	43.33	7.866	
6,000.0	5,884.5	5,981.6	5,903.0	23.2	22.2	158.24	-94.7	665.5	350.5	306.4	44.10	7.948	
6,100.0	5,983.3	6,075.6	5,996.9	23.6	22.6	158.86	-94.4	670.0	360.2	315.3	44.82	8.036	
6,200.0	6,082.4	6,169.4	6,090.7	24.0	22.8	159.44	-94.1	673.0	369.7	324.3	45.49	8.129	
6,300.0	6,181.7	6,263.1	6,184.3	24.5	23.0	159.99	-94.0	674.4	379.3	333.2	46.03	8.239	
6,400.0	6,281.2	6,360.0	6,281.2	24.9	23.1	160.50	-94.0	674.6	388.5	342.0	46.52	8.351	
6,500.0	6,380.9	6,459.7	6,380.9	25.2	23.1	160.92	-94.0	674.6	396.3	349.3	46.99	8.433	
6,600.0	6,480.7	6,559.5	6,480.7	25.6	23.2	161.24	-94.0	674.6	402.4	355.0	47.42	8.485	
6,700.0	6,580.6	6,659.4	6,580.6	25.9	23.2	161.47	-94.0	674.6	406.9	359.1	47.82	8.508	
6,800.0	6,680.5	6,759.3	6,680.5	26.2	23.2	161.61	-94.0	674.6	409.7	361.5	48.17	8.505	
6,900.0	6,780.5	6,859.3	6,780.5	26.5	23.3	161.67	-94.0	674.6	410.9	362.5	48.45	8.480	
6,921.6	6,802.1	6,880.9	6,802.1	26.5	23.3	-111.33	-94.0	674.6	410.9	362.5	48.48	8.476	
7,000.0	6,880.5	6,959.3	6,880.5	26.5	23.3	-111.33	-94.0	674.6	410.9	362.4	48.53	8.468	
7,100.0	6,980.5	7,059.3	6,980.5	26.5	23.3	-111.33	-94.0	674.6	410.9	362.4	48.59	8.457	
7,200.0	7,080.5	7,159.3	7,080.5	26.6	23.4	-111.33	-94.0	674.6	410.9	362.3	48.66	8.446	
7,300.0	7,180.5	7,259.3	7,180.5	26.6	23.4	-111.33	-94.0	674.6	410.9	362.2	48.72	8.434	
7,400.0	7,280.5	7,359.3	7,280.5	26.6	23.5	-111.33	-94.0	674.6	410.9	362.2	48.79	8.423	
7,500.0	7,380.5	7,459.3	7,380.5	26.7	23.5	-111.33	-94.0	674.6	410.9	362.1	48.85	8.412	
7,600.0	7,480.5	7,559.3	7,480.5	26.7	23.5	-111.33	-94.0	674.6	410.9	362.0	48.92	8.400	
7,700.0	7,580.5	7,659.3	7,580.5	26.7	23.6	-111.33	-94.0	674.6	410.9	362.0	48.99	8.389	
7,800.0	7,680.5	7,759.3	7,680.5	26.7	23.6	-111.33	-94.0	674.6	410.9	361.9	49.06	8.377	
7,900.0	7,780.5	7,859.3	7,780.5	26.8	23.6	-111.33	-94.0	674.6	410.9	361.8	49.12	8.365	
8,000.0	7,880.5	7,959.3	7,880.5	26.8	23.7	-111.33	-94.0	674.6	410.9	361.8	49.19	8.354	
8,100.0	7,980.5	8,059.3	7,980.5	26.8	23.7	-111.33	-94.0	674.6	410.9	361.7	49.26	8.342	
8,200.0	8,080.5	8,159.3	8,080.5	26.9	23.7	-111.33	-94.0	674.6	410.9	361.6	49.33	8.330	
8,300.0	8,180.5	8,259.3	8,180.5	26.9	23.8	-111.33	-94.0	674.6	410.9	361.5	49.40	8.319	
8,400.0	8,280.5	8,359.3	8,280.5	26.9	23.8	-111.33	-94.0	674.6	410.9	361.5	49.47	8.307	
8,500.0	8,380.5	8,459.3	8,380.5	27.0	23.9	-111.33	-94.0	674.6	410.9	361.4	49.54	8.295	
8,600.0	8,480.5	8,559.3	8,480.5	27.0	23.9	-111.33	-94.0	674.6	410.9	361.3	49.61	8.283	
8,700.0	8,580.5	8,659.3	8,580.5	27.0	23.9	-111.33	-94.0	674.6	410.9	361.3	49.68	8.271	
8,800.0	8,680.5	8,759.3	8,680.5	27.1	24.0	-111.33	-94.0	674.6	410.9	361.2	49.76	8.259	
8,900.0	8,780.5	8,859.3	8,780.5	27.1	24.0	-111.33	-94.0	674.6	410.9	361.1	49.83	8.247	
9,000.0	8,880.5	8,959.3	8,880.5	27.1	24.0	-111.33	-94.0	674.6	410.9	361.0	49.90	8.235	
9,100.0	8,980.5	9,059.3	8,980.5	27.2	24.1	-111.33	-94.0	674.6	410.9	361.0	49.98	8.223	
9,200.0	9,080.5	9,159.3	9,080.5	27.2	24.1	-111.33	-94.0	674.6	410.9	360.9	50.05	8.211	
9,300.0	9,180.5	9,259.3	9,180.5	27.2	24.2	-111.33	-94.0	674.6	410.9	360.8	50.12	8.199	
9,400.0	9,280.5	9,359.3	9,280.5	27.3	24.2	-111.33	-94.0	674.6	410.9	360.7	50.20	8.187	
9,500.0	9,380.5	9,459.3	9,380.5	27.3	24.2	-111.33	-94.0	674.6	410.9	360.7	50.27	8.174	
9,600.0	9,480.5	9,559.3	9,480.5	27.3	24.3	-111.33	-94.0	674.6	410.9	360.6	50.35	8.162	
9,700.0	9,580.5	9,659.3	9,580.5	27.4	24.3	-111.33	-94.0	674.6	410.9	360.5	50.42	8.150	
9,800.0	9,680.5	9,759.3	9,680.5	27.4	24.4	-111.33	-94.0	674.6	410.9	360.4	50.50	8.138	
9,900.0	9,780.5	9,859.3	9,780.5	27.4	24.4	-111.33	-94.0	674.6	410.9	360.4	50.58	8.125	
10,000.0	9,880.5	9,959.3	9,880.5	27.5	24.4	-111.33	-94.0	674.6	410.9	360.3	50.65	8.113	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,100.0	9,980.5	10,059.3	9,980.5	27.5	24.5	-111.33	-94.0	674.6	410.9	360.2	50.73	8.101	
10,200.0	10,080.5	10,159.3	10,080.5	27.5	24.5	-111.33	-94.0	674.6	410.9	360.1	50.81	8.088	
10,300.0	10,180.5	10,259.3	10,180.5	27.6	24.6	-111.33	-94.0	674.6	410.9	360.1	50.89	8.076	
10,400.0	10,280.5	10,359.3	10,280.5	27.6	24.6	-111.33	-94.0	674.6	410.9	360.0	50.96	8.063	
10,500.0	10,380.5	10,459.3	10,380.5	27.6	24.6	-111.33	-94.0	674.6	410.9	359.9	51.04	8.051	
10,600.0	10,480.5	10,559.3	10,480.5	27.7	24.7	-111.33	-94.0	674.6	410.9	359.8	51.12	8.038	
10,700.0	10,580.5	10,659.3	10,580.5	27.7	24.7	-111.33	-94.0	674.6	410.9	359.7	51.20	8.026	
10,800.0	10,680.5	10,759.3	10,680.5	27.7	24.8	-111.33	-94.0	674.6	410.9	359.7	51.28	8.013	
10,900.0	10,780.5	10,859.3	10,780.5	27.8	24.8	-111.33	-94.0	674.6	410.9	359.6	51.36	8.001	
11,000.0	10,880.5	10,959.3	10,880.5	27.8	24.9	-111.33	-94.0	674.6	410.9	359.5	51.44	7.988	
11,100.0	10,980.5	11,059.3	10,980.5	27.9	24.9	-111.33	-94.0	674.6	410.9	359.4	51.52	7.976	
11,200.0	11,080.5	11,159.3	11,080.5	27.9	24.9	-111.33	-94.0	674.6	410.9	359.3	51.61	7.963	
11,300.0	11,180.5	11,259.3	11,180.5	27.9	25.0	-111.33	-94.0	674.6	410.9	359.3	51.69	7.950	
11,308.4	11,188.9	11,267.7	11,188.9	27.9	25.0	-111.33	-94.0	674.6	410.9	359.3	51.70	7.949	
11,400.0	11,280.5	11,354.6	11,275.8	28.0	25.0	-111.36	-94.3	674.6	411.1	359.5	51.58	7.969	
11,500.0	11,380.5	11,430.0	11,350.6	28.0	25.0	-112.43	-102.6	674.7	415.2	364.1	51.06	8.132	
11,557.0	11,437.5	11,471.2	11,390.7	28.0	25.0	-113.65	-112.1	674.7	420.4	369.8	50.54	8.317	
11,575.0	11,455.5	11,483.8	11,402.8	28.0	25.0	-113.35	-115.7	674.7	422.6	372.4	50.23	8.414	
11,600.0	11,480.4	11,500.0	11,418.2	28.0	25.0	-113.66	-120.8	674.8	426.6	376.7	49.93	8.544	
11,625.0	11,505.3	11,516.4	11,433.6	28.0	25.0	-114.02	-126.5	674.8	431.7	382.1	49.61	8.702	
11,650.0	11,529.9	11,531.3	11,447.4	28.0	25.0	-114.29	-132.1	674.8	437.9	388.6	49.23	8.894	
11,675.0	11,554.3	11,545.1	11,460.0	28.0	25.0	-114.47	-137.7	674.9	445.2	396.4	48.83	9.118	
11,700.0	11,578.4	11,557.7	11,471.4	28.0	25.0	-114.50	-143.1	674.9	453.8	405.4	48.40	9.376	
11,725.0	11,602.1	11,569.2	11,481.6	28.0	25.0	-114.35	-148.3	675.0	463.5	415.6	47.95	9.666	
11,750.0	11,625.3	11,575.0	11,486.7	28.0	25.0	-113.55	-151.0	675.0	474.5	427.0	47.50	9.990	
11,775.0	11,648.0	11,588.7	11,498.7	28.0	25.0	-113.38	-157.7	675.0	486.6	439.6	47.06	10.342	
11,800.0	11,670.1	11,600.0	11,508.4	28.0	25.0	-112.87	-163.4	675.1	500.0	453.3	46.61	10.726	
11,825.0	11,691.7	11,600.0	11,508.4	28.0	25.0	-110.91	-163.4	675.1	514.4	468.2	46.21	11.132	
11,850.0	11,712.5	11,609.5	11,516.5	28.0	25.0	-109.83	-168.5	675.1	529.8	484.0	45.80	11.568	
11,875.0	11,732.5	11,614.4	11,520.7	28.0	25.0	-107.98	-171.1	675.1	546.1	500.7	45.42	12.024	
11,900.0	11,751.8	11,618.4	11,524.0	28.0	25.0	-105.77	-173.3	675.1	563.4	518.3	45.07	12.500	
11,925.0	11,770.1	11,625.0	11,529.5	28.0	25.0	-103.65	-177.0	675.1	581.4	536.7	44.72	13.001	
11,950.0	11,787.6	11,625.0	11,529.5	28.1	25.0	-100.36	-177.0	675.1	600.0	555.6	44.43	13.506	
11,975.0	11,804.1	11,625.0	11,529.5	28.1	25.0	-96.78	-177.0	675.1	619.3	575.1	44.16	14.024	
12,000.0	11,819.6	11,625.0	11,529.5	28.1	25.0	-92.93	-177.0	675.1	639.0	595.1	43.91	14.555	
12,025.0	11,834.1	11,625.0	11,529.5	28.1	25.0	-88.85	-177.0	675.1	659.2	615.5	43.66	15.097	
12,050.0	11,847.5	11,625.0	11,529.5	28.1	25.0	-84.59	-177.0	675.1	679.6	636.2	43.43	15.648	
12,075.0	11,859.7	11,625.0	11,529.5	28.1	25.0	-80.22	-177.0	675.1	700.3	657.1	43.21	16.207	
12,100.0	11,870.8	11,625.0	11,529.5	28.1	25.0	-75.80	-177.0	675.1	721.1	678.1	42.99	16.774	
12,125.0	11,880.7	11,625.0	11,529.5	28.1	25.0	-71.41	-177.0	675.1	742.1	699.3	42.78	17.347	
12,150.0	11,889.4	11,625.0	11,529.5	28.1	25.0	-67.11	-177.0	675.1	763.0	720.4	42.56	17.926	
12,175.0	11,896.9	11,616.2	11,522.1	28.2	25.0	-61.98	-172.1	675.1	783.8	741.3	42.44	18.469	
12,200.0	11,903.1	11,612.9	11,519.4	28.2	25.0	-57.79	-170.3	675.1	804.5	762.2	42.26	19.038	
12,225.0	11,908.0	11,609.3	11,516.4	28.2	25.0	-53.88	-168.4	675.1	825.0	782.9	42.08	19.606	
12,250.0	11,911.6	11,600.0	11,508.4	28.2	25.0	-49.83	-163.4	675.1	845.4	803.4	41.96	20.149	
12,275.0	11,913.9	11,600.0	11,508.4	28.2	25.0	-46.85	-163.4	675.1	865.3	823.6	41.74	20.730	
12,300.0	11,914.9	11,600.0	11,508.4	28.3	25.0	-44.12	-163.4	675.1	885.0	843.5	41.53	21.311	
12,307.0	11,915.0	11,600.0	11,508.4	28.3	25.0	-43.39	-163.4	675.1	890.5	849.0	41.47	21.475	
12,400.0	11,915.0	11,575.0	11,486.7	28.4	25.0	-41.90	-151.0	675.0	963.9	923.0	40.96	23.533	

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 #706H
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 #706H	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	-146.50	-167.5	-110.9	200.8	193.9	6.98	28.771	
100.0	100.0	101.0	101.0	3.1	3.1	-146.50	-167.5	-110.9	200.8	193.6	7.23	27.786	
200.0	200.0	201.0	201.0	3.2	3.3	-146.50	-167.5	-110.9	200.8	193.4	7.47	26.885	
300.0	300.0	301.0	301.0	3.4	3.4	-146.50	-167.5	-110.9	200.8	193.1	7.71	26.053	
400.0	400.0	401.0	401.0	3.5	3.5	-146.50	-167.5	-110.9	200.8	192.9	7.94	25.282	
500.0	500.0	501.0	501.0	3.6	3.6	-146.50	-167.5	-110.9	200.8	192.7	8.18	24.564	
600.0	600.0	601.0	601.0	3.7	3.7	-146.50	-167.5	-110.9	200.8	192.4	8.41	23.894	
700.0	700.0	701.0	701.0	3.9	3.9	-146.50	-167.5	-110.9	200.8	192.2	8.63	23.266	
800.0	800.0	801.0	801.0	4.0	4.0	-146.50	-167.5	-110.9	200.8	192.0	8.86	22.676	
900.0	900.0	901.0	901.0	4.1	4.1	-146.50	-167.5	-110.9	200.8	191.8	9.08	22.120	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	-146.50	-167.5	-110.9	200.8	191.5	9.30	21.595	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	-146.50	-167.5	-110.9	200.8	191.3	9.52	21.099	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	-146.50	-167.5	-110.9	200.8	191.1	9.74	20.628	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	-146.50	-167.5	-110.9	200.8	190.9	9.95	20.181	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	-146.50	-167.5	-110.9	200.8	190.7	10.17	19.755	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	-146.50	-167.5	-110.9	200.8	190.6	10.25	19.595	
1,600.0	1,600.0	1,605.3	1,605.3	4.9	4.9	126.47	-167.4	-108.9	200.8	190.5	10.31	19.485	
1,700.0	1,699.8	1,709.5	1,709.3	5.1	5.1	126.39	-167.2	-103.2	200.7	190.0	10.69	18.784	
1,800.0	1,799.5	1,813.7	1,813.1	5.3	5.3	126.27	-166.9	-93.7	200.6	189.5	11.07	18.118	
1,900.0	1,898.7	1,917.9	1,916.5	5.6	5.6	126.10	-166.4	-80.4	200.5	189.0	11.47	17.477	
2,000.0	1,997.5	2,022.1	2,019.2	5.9	6.0	125.89	-165.8	-63.4	200.3	188.4	11.88	16.855	
2,100.0	2,095.6	2,126.3	2,121.3	6.3	6.4	125.62	-165.1	-42.7	200.1	187.8	12.32	16.247	
2,182.9	2,176.4	2,212.0	2,204.7	6.6	6.7	125.38	-164.4	-22.9	199.9	187.2	12.69	15.756	
2,200.0	2,193.1	2,229.2	2,221.4	6.6	6.7	125.36	-164.3	-18.8	199.9	187.2	12.77	15.662	
2,300.0	2,290.1	2,329.2	2,318.4	6.9	7.0	125.29	-163.4	5.4	200.3	187.1	13.21	15.162	
2,400.0	2,387.1	2,429.2	2,415.4	7.3	7.4	125.22	-162.6	29.6	200.6	187.0	13.68	14.669	
2,500.0	2,484.1	2,529.2	2,512.5	7.6	7.7	125.15	-161.7	53.8	201.0	186.8	14.17	14.187	
2,600.0	2,581.2	2,629.2	2,609.5	8.0	8.1	125.08	-160.9	77.9	201.3	186.6	14.67	13.721	
2,700.0	2,678.2	2,729.2	2,706.5	8.3	8.5	125.01	-160.0	102.1	201.7	186.5	15.20	13.272	
2,800.0	2,775.2	2,829.2	2,803.5	8.7	8.8	124.95	-159.2	126.3	202.0	186.3	15.73	12.841	
2,900.0	2,872.3	2,929.2	2,900.6	9.1	9.2	124.88	-158.4	150.5	202.4	186.1	16.28	12.429	
3,000.0	2,969.3	3,029.2	2,997.6	9.5	9.7	124.81	-157.5	174.7	202.7	185.9	16.84	12.035	
3,100.0	3,066.3	3,129.2	3,094.6	9.9	10.1	124.74	-156.7	198.8	203.1	185.6	17.41	11.661	
3,200.0	3,163.4	3,229.2	3,191.7	10.4	10.5	124.68	-155.8	223.0	203.4	185.4	17.99	11.304	
3,300.0	3,260.4	3,329.2	3,288.7	10.8	10.9	124.61	-155.0	247.2	203.8	185.2	18.58	10.965	
3,400.0	3,357.4	3,429.2	3,385.7	11.2	11.3	124.54	-154.1	271.4	204.1	184.9	19.18	10.643	
3,500.0	3,454.4	3,529.2	3,482.7	11.7	11.8	124.48	-153.3	295.5	204.5	184.7	19.78	10.337	
3,600.0	3,551.5	3,629.2	3,579.8	12.1	12.2	124.41	-152.4	319.7	204.8	184.4	20.39	10.047	
3,700.0	3,648.5	3,729.2	3,676.8	12.5	12.7	124.35	-151.6	343.9	205.2	184.2	21.00	9.771	
3,800.0	3,745.5	3,829.2	3,773.8	13.0	13.1	124.28	-150.8	368.1	205.5	183.9	21.61	9.508	
3,900.0	3,842.6	3,929.2	3,870.9	13.4	13.6	124.22	-149.9	392.3	205.9	183.6	22.23	9.259	
4,000.0	3,939.6	4,029.2	3,967.9	13.9	14.0	124.15	-149.1	416.4	206.2	183.4	22.86	9.022	
4,100.0	4,036.6	4,129.2	4,064.9	14.3	14.5	124.09	-148.2	440.6	206.6	183.1	23.48	8.796	
4,200.0	4,133.6	4,229.2	4,161.9	14.8	14.9	124.02	-147.4	464.8	206.9	182.8	24.11	8.581	
4,300.0	4,230.7	4,329.2	4,259.0	15.3	15.4	123.96	-146.5	489.0	207.3	182.5	24.75	8.376	
4,400.0	4,327.7	4,429.2	4,356.0	15.7	15.9	123.89	-145.7	513.1	207.6	182.2	25.38	8.181	
4,500.0	4,424.7	4,529.2	4,453.0	16.2	16.3	123.83	-144.8	537.3	208.0	182.0	26.02	7.994	
4,600.0	4,521.8	4,629.2	4,550.1	16.7	16.8	123.76	-144.0	561.5	208.3	181.7	26.65	7.816	
4,700.0	4,618.8	4,729.2	4,647.1	17.1	17.3	123.70	-143.2	585.7	208.7	181.4	27.29	7.646	
4,800.0	4,715.8	4,829.2	4,744.1	17.6	17.7	123.64	-142.3	609.8	209.0	181.1	27.93	7.483	
4,900.0	4,812.9	4,929.2	4,841.1	18.1	18.2	123.57	-141.5	634.0	209.4	180.8	28.58	7.327	
5,000.0	4,909.9	5,029.2	4,938.2	18.5	18.7	123.51	-140.6	658.2	209.7	180.5	29.22	7.178	

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 #706H
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 #706H	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
5,100.0	5,006.9	5,129.2	5,035.2	19.0	19.1	123.45	-139.8	682.4	210.1	180.2	29.86	7.035	
5,200.0	5,103.9	5,229.2	5,132.2	19.5	19.6	123.39	-138.9	706.6	210.5	179.9	30.51	6.898	
5,300.0	5,201.0	5,329.2	5,229.3	19.9	20.1	123.32	-138.1	730.7	210.8	179.7	31.15	6.767	
5,400.0	5,298.0	5,429.2	5,326.3	20.4	20.6	123.26	-137.2	754.9	211.2	179.4	31.80	6.640	
5,500.0	5,395.0	5,529.2	5,423.3	20.9	21.0	123.20	-136.4	779.1	211.5	179.1	32.45	6.519	
5,521.6	5,416.0	5,550.8	5,444.3	21.0	21.1	123.19	-136.2	784.3	211.6	179.0	32.58	6.495	
5,600.0	5,492.2	5,629.2	5,520.3	21.4	21.5	123.02	-135.6	803.3	211.6	178.5	33.04	6.404	
5,700.0	5,589.7	5,729.1	5,617.3	21.8	22.0	122.44	-134.7	827.4	210.7	177.2	33.52	6.287	
5,800.0	5,687.6	5,829.0	5,714.3	22.3	22.5	121.44	-133.9	851.6	209.0	175.1	33.85	6.174	
5,900.0	5,785.9	5,928.9	5,811.2	22.7	22.9	120.00	-133.0	875.7	206.4	172.4	34.02	6.068	
6,000.0	5,884.5	6,028.6	5,907.9	23.2	23.4	118.09	-132.2	899.8	203.1	169.1	34.01	5.973	
6,100.0	5,983.3	6,128.2	6,004.5	23.6	23.9	115.68	-131.3	923.9	199.3	165.5	33.81	5.897	
6,200.0	6,082.4	6,226.6	6,100.1	24.0	24.4	112.88	-130.5	947.2	195.4	162.0	33.44	5.844	
6,300.0	6,181.7	6,324.9	6,196.0	24.5	24.8	109.97	-129.8	968.8	191.9	158.9	33.04	5.809	
6,400.0	6,281.2	6,423.3	6,292.4	24.9	25.3	106.96	-129.1	988.8	188.9	156.3	32.62	5.792	
6,500.0	6,380.9	6,521.9	6,389.3	25.2	25.7	103.86	-128.4	1,007.2	186.4	154.2	32.22	5.787	
6,600.0	6,480.7	6,620.8	6,486.7	25.6	26.2	100.67	-127.8	1,024.0	184.5	152.6	31.86	5.790	
6,700.0	6,580.6	6,719.8	6,584.5	25.9	26.6	97.43	-127.3	1,039.1	183.1	151.5	31.60	5.794	
6,800.0	6,680.5	6,818.9	6,682.8	26.2	27.0	94.14	-126.9	1,052.5	182.2	150.8	31.47	5.790	
6,893.3	6,773.8	6,911.6	6,774.8	26.5	27.4	91.05	-126.5	1,063.5	182.0	150.5	31.51	5.776 CC	
6,900.0	6,780.5	6,918.3	6,781.4	26.5	27.4	90.82	-126.4	1,064.3	182.0	150.5	31.52	5.775	
6,921.6	6,802.1	6,939.8	6,802.8	26.5	27.5	177.11	-126.4	1,066.6	182.0	150.5	31.54	5.771	
7,000.0	6,880.5	7,017.9	6,880.5	26.5	27.8	174.67	-126.1	1,074.3	182.3	150.6	31.72	5.747	
7,100.0	6,980.5	7,117.8	6,980.1	26.5	28.2	172.05	-125.8	1,082.7	183.0	150.9	32.07	5.706	
7,200.0	7,080.5	7,218.0	7,080.0	26.6	28.6	169.99	-125.6	1,089.3	183.8	151.3	32.46	5.662	
7,300.0	7,180.5	7,318.3	7,180.3	26.6	28.9	168.48	-125.4	1,094.2	184.5	151.7	32.83	5.620	
7,400.0	7,280.5	7,418.8	7,280.7	26.6	29.2	167.52	-125.3	1,097.4	185.1	151.9	33.14	5.585	
7,500.0	7,380.5	7,519.4	7,381.3	26.7	29.5	167.10	-125.2	1,098.8	185.3	152.0	33.34	5.560	
7,600.0	7,480.5	7,619.6	7,481.5	26.7	29.5	167.08	-125.2	1,098.9	185.3	151.9	33.43	5.545	
7,700.0	7,580.5	7,719.6	7,581.5	26.7	29.5	167.08	-125.2	1,098.9	185.3	151.8	33.53	5.527	
7,800.0	7,680.5	7,819.6	7,681.5	26.7	29.5	167.08	-125.2	1,098.9	185.3	151.7	33.64	5.510	
7,900.0	7,780.5	7,919.6	7,781.5	26.8	29.6	167.08	-125.2	1,098.9	185.3	151.6	33.74	5.493	
8,000.0	7,880.5	8,019.6	7,881.5	26.8	29.6	167.08	-125.2	1,098.9	185.3	151.5	33.85	5.475	
8,100.0	7,980.5	8,119.6	7,981.5	26.8	29.6	167.08	-125.2	1,098.9	185.3	151.4	33.96	5.458	
8,200.0	8,080.5	8,219.6	8,081.5	26.9	29.7	167.08	-125.2	1,098.9	185.3	151.3	34.07	5.441	
8,300.0	8,180.5	8,319.6	8,181.5	26.9	29.7	167.08	-125.2	1,098.9	185.3	151.2	34.18	5.423	
8,400.0	8,280.5	8,419.6	8,281.5	26.9	29.7	167.08	-125.2	1,098.9	185.3	151.1	34.28	5.406	
8,500.0	8,380.5	8,519.6	8,381.5	27.0	29.7	167.08	-125.2	1,098.9	185.3	151.0	34.39	5.389	
8,600.0	8,480.5	8,619.6	8,481.5	27.0	29.8	167.08	-125.2	1,098.9	185.3	150.8	34.50	5.372	
8,700.0	8,580.5	8,719.6	8,581.5	27.0	29.8	167.08	-125.2	1,098.9	185.3	150.7	34.61	5.355	
8,800.0	8,680.5	8,819.6	8,681.5	27.1	29.8	167.08	-125.2	1,098.9	185.3	150.6	34.72	5.338	
8,900.0	8,780.5	8,919.6	8,781.5	27.1	29.8	167.08	-125.2	1,098.9	185.3	150.5	34.84	5.321	
9,000.0	8,880.5	9,019.6	8,881.5	27.1	29.9	167.08	-125.2	1,098.9	185.3	150.4	34.95	5.304	
9,100.0	8,980.5	9,119.6	8,981.5	27.2	29.9	167.08	-125.2	1,098.9	185.3	150.3	35.06	5.287	
9,200.0	9,080.5	9,219.6	9,081.5	27.2	29.9	167.08	-125.2	1,098.9	185.3	150.2	35.17	5.270	
9,300.0	9,180.5	9,319.6	9,181.5	27.2	30.0	167.08	-125.2	1,098.9	185.3	150.1	35.28	5.253	
9,400.0	9,280.5	9,419.6	9,281.5	27.3	30.0	167.08	-125.2	1,098.9	185.3	150.0	35.40	5.236	
9,500.0	9,380.5	9,519.6	9,381.5	27.3	30.0	167.08	-125.2	1,098.9	185.3	149.8	35.51	5.220	
9,600.0	9,480.5	9,619.6	9,481.5	27.3	30.0	167.08	-125.2	1,098.9	185.3	149.7	35.62	5.203	
9,700.0	9,580.5	9,719.6	9,581.5	27.4	30.1	167.08	-125.2	1,098.9	185.3	149.6	35.74	5.187	
9,800.0	9,680.5	9,819.6	9,681.5	27.4	30.1	167.08	-125.2	1,098.9	185.3	149.5	35.85	5.170	
9,900.0	9,780.5	9,919.6	9,781.5	27.4	30.1	167.08	-125.2	1,098.9	185.3	149.4	35.97	5.153	

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 #706H
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 #706H	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		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		
10,000.0	9,880.5	10,019.6	9,881.5	27.5	30.2	167.08	-125.2	1,098.9	185.3	149.3	36.08	5.137		
10,100.0	9,980.5	10,119.6	9,981.5	27.5	30.2	167.08	-125.2	1,098.9	185.3	149.1	36.20	5.121		
10,200.0	10,080.5	10,219.6	10,081.5	27.5	30.2	167.08	-125.2	1,098.9	185.3	149.0	36.31	5.104		
10,300.0	10,180.5	10,319.6	10,181.5	27.6	30.3	167.08	-125.2	1,098.9	185.3	148.9	36.43	5.088		
10,400.0	10,280.5	10,419.6	10,281.5	27.6	30.3	167.08	-125.2	1,098.9	185.3	148.8	36.54	5.072		
10,500.0	10,380.5	10,519.6	10,381.5	27.6	30.3	167.08	-125.2	1,098.9	185.3	148.7	36.66	5.056		
10,600.0	10,480.5	10,619.6	10,481.5	27.7	30.3	167.08	-125.2	1,098.9	185.3	148.6	36.78	5.040		
10,700.0	10,580.5	10,719.6	10,581.5	27.7	30.4	167.08	-125.2	1,098.9	185.3	148.5	36.90	5.024		
10,800.0	10,680.5	10,819.6	10,681.5	27.7	30.4	167.08	-125.2	1,098.9	185.3	148.3	37.01	5.008		
10,900.0	10,780.5	10,919.6	10,781.5	27.8	30.4	167.08	-125.2	1,098.9	185.3	148.2	37.13	4.992		
11,000.0	10,880.5	11,019.6	10,881.5	27.8	30.5	167.08	-125.2	1,098.9	185.3	148.1	37.25	4.976		
11,100.0	10,980.5	11,119.6	10,981.5	27.9	30.5	167.08	-125.2	1,098.9	185.3	148.0	37.37	4.960		
11,200.0	11,080.5	11,219.6	11,081.5	27.9	30.5	167.08	-125.2	1,098.9	185.3	147.9	37.49	4.944		
11,300.0	11,180.5	11,319.6	11,181.5	27.9	30.6	167.08	-125.2	1,098.9	185.3	147.7	37.61	4.928		
11,400.0	11,280.5	11,419.6	11,281.5	28.0	30.6	167.08	-125.2	1,098.9	185.3	147.6	37.73	4.913		
11,500.0	11,380.5	11,519.6	11,381.5	28.0	30.6	167.08	-125.2	1,098.9	185.3	147.5	37.84	4.898		
11,537.3	11,417.8	11,556.9	11,418.8	28.0	30.6	167.08	-125.2	1,098.9	185.3	147.5	37.87	4.894		
11,557.0	11,437.5	11,574.6	11,436.5	28.0	30.6	167.08	-125.2	1,098.9	185.4	147.4	37.91	4.890 ES, SF		
11,575.0	11,455.5	11,589.1	11,451.0	28.0	30.7	167.62	-125.5	1,098.9	186.0	148.2	37.74	4.928		
11,600.0	11,480.4	11,607.1	11,468.9	28.0	30.7	167.68	-126.3	1,098.9	188.7	150.9	37.84	4.987		
11,625.0	11,505.3	11,625.0	11,486.8	28.0	30.7	167.79	-127.9	1,098.9	193.6	155.7	37.95	5.103		
11,650.0	11,529.9	11,641.7	11,503.4	28.0	30.7	167.91	-129.9	1,098.9	200.7	162.6	38.08	5.269		
11,675.0	11,554.3	11,658.1	11,519.5	28.0	30.7	168.05	-132.5	1,098.9	209.7	171.5	38.23	5.486		
11,700.0	11,578.4	11,675.0	11,536.1	28.0	30.7	168.21	-135.7	1,098.9	220.7	182.4	38.34	5.758		
11,725.0	11,602.1	11,688.1	11,548.9	28.0	30.7	168.26	-138.6	1,098.9	233.5	195.0	38.55	6.058		
11,750.0	11,625.3	11,700.0	11,560.5	28.0	30.7	168.24	-141.6	1,099.0	248.1	209.3	38.78	6.396		
11,775.0	11,648.0	11,714.0	11,573.9	28.0	30.7	168.27	-145.4	1,099.0	264.1	225.2	38.91	6.788		
11,800.0	11,670.1	11,725.0	11,584.4	28.0	30.7	168.14	-148.7	1,099.0	281.6	242.5	39.10	7.202		
11,825.0	11,691.7	11,735.4	11,594.3	28.0	30.7	167.92	-152.1	1,099.0	300.4	261.2	39.28	7.649		
11,850.0	11,712.5	11,744.5	11,602.8	28.0	30.7	167.55	-155.1	1,099.0	320.4	280.9	39.45	8.120		
11,875.0	11,732.5	11,750.0	11,608.0	28.0	30.7	166.86	-157.1	1,099.1	341.3	301.6	39.70	8.598		
11,900.0	11,751.8	11,759.3	11,616.6	28.0	30.7	166.24	-160.5	1,099.1	363.1	323.3	39.77	9.129		
11,925.0	11,770.1	11,765.2	11,622.1	28.0	30.7	165.16	-162.8	1,099.1	385.7	345.7	39.92	9.662		
11,950.0	11,787.6	11,775.0	11,631.1	28.1	30.7	164.14	-166.7	1,099.1	408.9	369.0	39.91	10.246		
11,975.0	11,804.1	11,775.0	11,631.1	28.1	30.7	161.53	-166.7	1,099.1	432.6	392.4	40.13	10.778		
12,000.0	11,819.6	11,775.0	11,631.1	28.1	30.7	157.60	-166.7	1,099.1	456.7	416.4	40.31	11.330		
12,025.0	11,834.1	11,775.0	11,631.1	28.1	30.7	151.22	-166.7	1,099.1	481.2	440.8	40.44	11.899		
12,050.0	11,847.5	11,775.0	11,631.1	28.1	30.7	139.63	-166.7	1,099.1	505.9	465.4	40.54	12.481		
12,075.0	11,859.7	11,782.3	11,637.7	28.1	30.7	124.24	-169.7	1,099.1	530.7	490.3	40.43	13.127		
12,100.0	11,870.8	11,782.6	11,638.0	28.1	30.7	88.47	-169.8	1,099.1	555.6	515.2	40.46	13.734		
12,125.0	11,880.7	11,782.3	11,637.7	28.1	30.7	51.97	-169.7	1,099.1	580.5	540.1	40.47	14.346		
12,150.0	11,889.4	11,775.0	11,631.1	28.1	30.7	29.84	-166.7	1,099.1	605.5	564.9	40.59	14.917		
12,175.0	11,896.9	11,775.0	11,631.1	28.2	30.7	21.42	-166.7	1,099.1	630.2	589.7	40.54	15.544		
12,200.0	11,903.1	11,775.0	11,631.1	28.2	30.7	16.48	-166.7	1,099.1	654.7	614.2	40.48	16.176		
12,225.0	11,908.0	11,775.0	11,631.1	28.2	30.7	13.28	-166.7	1,099.1	679.0	638.6	40.39	16.812		
12,250.0	11,911.6	11,775.0	11,631.1	28.2	30.7	11.07	-166.7	1,099.1	703.1	662.8	40.29	17.450		
12,275.0	11,913.9	11,775.0	11,631.1	28.2	30.7	9.45	-166.7	1,099.1	726.8	686.6	40.18	18.089		
12,300.0	11,914.9	11,766.4	11,623.2	28.3	30.7	8.00	-163.2	1,099.1	750.1	709.9	40.18	18.666		
12,307.0	11,915.0	11,765.4	11,622.2	28.3	30.7	7.69	-162.8	1,099.1	756.6	716.4	40.16	18.839		
12,400.0	11,915.0	11,750.0	11,608.0	28.4	30.7	7.35	-157.1	1,099.1	842.6	802.7	39.94	21.100		
12,500.0	11,915.0	11,740.0	11,598.6	28.5	30.7	7.13	-153.6	1,099.0	936.1	896.4	39.69	23.584		

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	-155.05	-184.2	-85.7	203.2	196.2	6.98	29.110	
100.0	100.0	101.0	101.0	3.1	3.1	-155.05	-184.2	-85.7	203.2	196.0	7.23	28.112	
200.0	200.0	201.0	201.0	3.2	3.3	-155.05	-184.2	-85.7	203.2	195.7	7.47	27.195	
300.0	300.0	301.0	301.0	3.4	3.4	-155.05	-184.2	-85.7	203.2	195.5	7.71	26.346	
400.0	400.0	401.0	401.0	3.5	3.5	-155.05	-184.2	-85.7	203.2	195.3	7.95	25.557	
500.0	500.0	501.0	501.0	3.6	3.6	-155.05	-184.2	-85.7	203.2	195.0	8.19	24.821	
600.0	600.0	601.0	601.0	3.7	3.7	-155.05	-184.2	-85.7	203.2	194.8	8.42	24.133	
700.0	700.0	701.0	701.0	3.9	3.9	-155.05	-184.2	-85.7	203.2	194.6	8.65	23.486	
800.0	800.0	801.0	801.0	4.0	4.0	-155.05	-184.2	-85.7	203.2	194.3	8.88	22.878	
900.0	900.0	901.0	901.0	4.1	4.1	-155.05	-184.2	-85.7	203.2	194.1	9.11	22.305	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	-155.05	-184.2	-85.7	203.2	193.9	9.34	21.763	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	-155.05	-184.2	-85.7	203.2	193.7	9.56	21.250	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	-155.05	-184.2	-85.7	203.2	193.4	9.79	20.763	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	-155.05	-184.2	-85.7	203.2	193.2	10.01	20.300	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	-155.05	-184.2	-85.7	203.2	193.0	10.23	19.859	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	-155.05	-184.2	-85.7	203.2	192.9	10.32	19.684	
1,526.4	1,526.4	1,528.3	1,528.3	4.8	4.8	117.95	-184.2	-85.6	203.2	193.0	10.18	19.963	
1,600.0	1,600.0	1,604.2	1,604.2	4.9	4.9	117.92	-184.2	-83.8	203.2	192.9	10.35	19.632	
1,700.0	1,699.8	1,707.4	1,707.2	5.1	5.1	117.84	-184.1	-78.2	203.3	192.6	10.70	19.006	
1,800.0	1,799.5	1,810.6	1,810.0	5.3	5.3	117.72	-184.0	-68.9	203.4	192.4	11.04	18.420	
1,900.0	1,898.7	1,913.8	1,912.4	5.6	5.6	117.55	-183.7	-55.9	203.6	192.2	11.40	17.867	
2,000.0	1,997.5	2,016.9	2,014.1	5.9	6.0	117.33	-183.4	-39.2	203.9	192.1	11.76	17.337	
2,100.0	2,095.6	2,120.1	2,115.2	6.3	6.3	117.07	-183.1	-18.9	204.2	192.1	12.14	16.824	
2,200.0	2,193.1	2,223.2	2,215.5	6.6	6.7	116.77	-182.7	5.0	204.6	192.1	12.54	16.322	
2,300.0	2,290.1	2,325.4	2,314.1	6.9	7.1	116.02	-182.2	32.2	204.3	191.4	12.92	15.810	
2,400.0	2,387.1	2,425.4	2,410.1	7.3	7.4	115.02	-181.7	59.8	203.7	190.4	13.32	15.295	
2,500.0	2,484.1	2,525.3	2,506.2	7.6	7.8	114.02	-181.2	87.3	203.1	189.4	13.72	14.804	
2,600.0	2,581.2	2,625.2	2,602.3	8.0	8.1	113.01	-180.7	114.9	202.6	188.5	14.13	14.337	
2,700.0	2,678.2	2,725.2	2,698.3	8.3	8.5	112.00	-180.3	142.4	202.2	187.6	14.55	13.895	
2,800.0	2,775.2	2,825.1	2,794.4	8.7	8.9	110.98	-179.8	169.9	201.8	186.8	14.97	13.479	
2,900.0	2,872.3	2,925.0	2,890.5	9.1	9.3	109.96	-179.3	197.5	201.5	186.1	15.40	13.087	
3,000.0	2,969.3	3,025.0	2,986.5	9.5	9.7	108.94	-178.8	225.0	201.3	185.4	15.82	12.719	
3,100.0	3,066.3	3,124.9	3,082.6	9.9	10.2	107.92	-178.3	252.6	201.1	184.8	16.25	12.374	
3,200.0	3,163.4	3,224.8	3,178.6	10.4	10.6	106.89	-177.9	280.1	200.9	184.3	16.68	12.049	
3,300.0	3,260.4	3,324.8	3,274.7	10.8	11.0	105.86	-177.4	307.7	200.9	183.8	17.11	11.745	
3,337.3	3,296.5	3,362.0	3,310.5	11.0	11.2	105.48	-177.2	317.9	200.9	183.6	17.26	11.636 CC	
3,400.0	3,357.4	3,424.7	3,370.8	11.2	11.5	104.83	-176.9	335.2	200.9	183.4	17.53	11.458	
3,500.0	3,454.4	3,524.6	3,466.8	11.7	11.9	103.81	-176.4	362.7	201.0	183.0	17.96	11.189	
3,600.0	3,551.5	3,624.6	3,562.9	12.1	12.4	102.78	-175.9	390.3	201.1	182.7	18.39	10.935	
3,700.0	3,648.5	3,724.5	3,659.0	12.5	12.8	101.76	-175.5	417.8	201.3	182.5	18.82	10.696	
3,800.0	3,745.5	3,824.4	3,755.0	13.0	13.3	100.74	-175.0	445.4	201.6	182.3	19.25	10.469	
3,900.0	3,842.6	3,924.4	3,851.1	13.4	13.7	99.72	-174.5	472.9	201.9	182.2	19.69	10.255	
4,000.0	3,939.6	4,024.3	3,947.2	13.9	14.2	98.70	-174.0	500.4	202.3	182.2	20.13	10.051 ES	
4,100.0	4,036.6	4,124.2	4,043.2	14.3	14.7	97.69	-173.5	528.0	202.8	182.2	20.57	9.857	
4,200.0	4,133.6	4,224.2	4,139.3	14.8	15.1	96.69	-173.1	555.5	203.3	182.3	21.02	9.672	
4,300.0	4,230.7	4,324.1	4,235.3	15.3	15.6	95.68	-172.6	583.1	203.9	182.4	21.47	9.495	
4,400.0	4,327.7	4,424.1	4,331.4	15.7	16.1	94.69	-172.1	610.6	204.5	182.6	21.93	9.326	
4,500.0	4,424.7	4,524.0	4,427.5	16.2	16.6	93.70	-171.6	638.2	205.2	182.8	22.40	9.163	
4,600.0	4,521.8	4,623.9	4,523.5	16.7	17.0	92.72	-171.1	665.7	206.0	183.1	22.87	9.006	
4,700.0	4,618.8	4,723.9	4,619.6	17.1	17.5	91.75	-170.7	693.2	206.8	183.4	23.36	8.854	
4,800.0	4,715.8	4,823.8	4,715.7	17.6	18.0	90.78	-170.2	720.8	207.7	183.8	23.85	8.708	
4,900.0	4,812.9	4,923.7	4,811.7	18.1	18.5	89.83	-169.7	748.3	208.6	184.3	24.36	8.566	

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 #706H
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 #706H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)			
5,000.0	4,909.9	5,023.7	4,907.8	18.5	19.0	88.88	-169.2	775.9	209.6	184.8	24.87	8.429		
5,100.0	5,006.9	5,123.6	5,003.9	19.0	19.4	87.94	-168.7	803.4	210.7	185.3	25.40	8.295		
5,200.0	5,103.9	5,223.5	5,099.9	19.5	19.9	87.01	-168.2	830.9	211.8	185.9	25.94	8.165		
5,300.0	5,201.0	5,323.5	5,196.0	19.9	20.4	86.09	-167.8	858.5	213.0	186.5	26.50	8.038		
5,400.0	5,298.0	5,423.4	5,292.0	20.4	20.9	85.18	-167.3	886.0	214.2	187.1	27.06	7.915		
5,500.0	5,395.0	5,523.3	5,388.1	20.9	21.4	84.28	-166.8	913.6	215.5	187.8	27.65	7.794		
5,521.6	5,416.0	5,544.9	5,408.9	21.0	21.5	84.09	-166.7	919.5	215.8	188.0	27.77	7.771		
5,600.0	5,492.2	5,623.2	5,484.2	21.4	21.9	83.27	-166.3	941.1	216.9	188.6	28.23	7.681		
5,700.0	5,589.7	5,723.1	5,580.1	21.8	22.4	81.83	-165.8	968.6	218.6	189.7	28.89	7.566		
5,800.0	5,687.6	5,822.8	5,676.0	22.3	22.9	79.97	-165.4	996.1	220.7	191.1	29.63	7.450		
5,900.0	5,785.9	5,922.4	5,771.7	22.7	23.3	77.73	-164.9	1,023.5	223.4	193.0	30.47	7.333		
6,000.0	5,884.5	6,021.8	5,867.2	23.2	23.8	75.13	-164.4	1,050.9	227.0	195.5	31.46	7.215		
6,100.0	5,983.3	6,121.0	5,962.6	23.6	24.3	72.23	-163.9	1,078.3	231.5	198.9	32.61	7.099		
6,200.0	6,082.4	6,220.7	6,058.6	24.0	24.8	69.13	-163.5	1,105.4	237.0	203.1	33.91	6.990		
6,300.0	6,181.7	6,320.4	6,154.8	24.5	25.3	66.00	-163.0	1,131.6	243.6	208.3	35.35	6.891		
6,400.0	6,281.2	6,420.2	6,251.3	24.9	25.8	62.87	-162.6	1,157.1	251.3	214.4	36.89	6.812		
6,500.0	6,380.9	6,520.0	6,347.9	25.2	26.3	59.78	-162.1	1,181.7	260.1	221.6	38.50	6.755		
6,600.0	6,480.7	6,619.7	6,444.8	25.6	26.7	56.74	-161.7	1,205.4	270.1	229.9	40.16	6.726		
6,700.0	6,580.6	6,719.5	6,541.9	25.9	27.2	53.79	-161.3	1,228.3	281.3	239.5	41.83	6.725 SF		
6,800.0	6,680.5	6,819.2	6,639.2	26.2	27.7	50.94	-160.9	1,250.4	293.8	250.3	43.48	6.756		
6,900.0	6,780.5	6,919.0	6,736.7	26.5	28.2	48.21	-160.6	1,271.6	307.5	262.4	45.08	6.820		
6,921.6	6,802.1	6,940.5	6,757.8	26.5	28.3	134.64	-160.5	1,276.0	310.6	265.2	45.40	6.840		
7,000.0	6,880.5	7,018.9	6,834.4	26.5	28.6	132.59	-160.2	1,291.9	322.0	275.5	46.50	6.926		
7,100.0	6,980.5	7,119.1	6,932.7	26.5	29.1	130.27	-159.9	1,311.5	336.6	288.8	47.78	7.045		
7,200.0	7,080.5	7,219.6	7,031.5	26.6	29.6	128.22	-159.5	1,330.3	351.0	302.0	48.95	7.170		
7,300.0	7,180.5	7,320.5	7,130.8	26.6	30.0	126.42	-159.2	1,348.3	365.1	315.0	50.02	7.298		
7,400.0	7,280.5	7,421.7	7,230.5	26.6	30.5	124.83	-158.9	1,365.5	378.8	327.8	51.00	7.426		
7,500.0	7,380.5	7,523.2	7,330.7	26.7	30.9	123.42	-158.6	1,381.8	392.0	340.1	51.91	7.551		
7,600.0	7,480.5	7,625.0	7,431.3	26.7	31.4	122.17	-158.4	1,397.3	404.7	351.9	52.76	7.671		
7,700.0	7,580.5	7,727.1	7,532.3	26.7	31.8	121.06	-158.1	1,411.9	416.8	363.2	53.54	7.784		
7,800.0	7,680.5	7,829.4	7,633.7	26.7	32.3	120.08	-157.9	1,425.7	428.3	374.0	54.28	7.891		
7,900.0	7,780.5	7,931.9	7,735.4	26.8	32.7	119.20	-157.6	1,438.6	439.1	384.1	54.96	7.989		
8,000.0	7,880.5	8,034.7	7,837.5	26.8	33.1	118.43	-157.4	1,450.6	449.3	393.6	55.61	8.079		
8,100.0	7,980.5	8,137.7	7,939.9	26.8	33.5	117.74	-157.2	1,461.7	458.7	402.5	56.22	8.159		
8,200.0	8,080.5	8,240.9	8,042.5	26.9	33.9	117.14	-157.1	1,471.9	467.4	410.6	56.79	8.231		
8,300.0	8,180.5	8,344.2	8,145.5	26.9	34.3	116.61	-156.9	1,481.2	475.4	418.0	57.33	8.292		
8,400.0	8,280.5	8,447.7	8,248.7	26.9	34.7	116.15	-156.8	1,489.6	482.6	424.7	57.83	8.344		
8,500.0	8,380.5	8,551.4	8,352.0	27.0	35.1	115.75	-156.6	1,497.0	489.0	430.7	58.30	8.387		
8,600.0	8,480.5	8,655.2	8,455.6	27.0	35.5	115.41	-156.5	1,503.5	494.6	435.9	58.74	8.420		
8,700.0	8,580.5	8,759.1	8,559.4	27.0	35.9	115.12	-156.4	1,509.1	499.4	440.3	59.15	8.444		
8,800.0	8,680.5	8,863.1	8,663.3	27.1	36.2	114.89	-156.3	1,513.8	503.5	443.9	59.52	8.458		
8,900.0	8,780.5	8,967.1	8,767.3	27.1	36.5	114.71	-156.3	1,517.5	506.7	446.8	59.86	8.464		
9,000.0	8,880.5	9,071.3	8,871.4	27.1	36.8	114.57	-156.2	1,520.3	509.1	448.9	60.16	8.462		
9,100.0	8,980.5	9,175.4	8,975.5	27.2	37.1	114.48	-156.2	1,522.1	510.7	450.2	60.41	8.453		
9,200.0	9,080.5	9,279.6	9,079.7	27.2	37.3	114.44	-156.2	1,523.0	511.4	450.8	60.60	8.439		
9,300.0	9,180.5	9,381.4	9,181.5	27.2	37.4	114.43	-156.2	1,523.1	511.5	450.8	60.67	8.431		
9,400.0	9,280.5	9,481.4	9,281.5	27.3	37.4	114.43	-156.2	1,523.1	511.5	450.8	60.72	8.423		
9,500.0	9,380.5	9,581.4	9,381.5	27.3	37.4	114.43	-156.2	1,523.1	511.5	450.7	60.78	8.416		
9,600.0	9,480.5	9,681.4	9,481.5	27.3	37.5	114.43	-156.2	1,523.1	511.5	450.7	60.83	8.408		
9,700.0	9,580.5	9,781.4	9,581.5	27.4	37.5	114.43	-156.2	1,523.1	511.5	450.6	60.89	8.400		
9,800.0	9,680.5	9,881.4	9,681.5	27.4	37.5	114.43	-156.2	1,523.1	511.5	450.5	60.95	8.392		
9,900.0	9,780.5	9,981.4	9,781.5	27.4	37.5	114.43	-156.2	1,523.1	511.5	450.5	61.00	8.385		

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,000.0	9,880.5	10,081.4	9,881.5	27.5	37.5	114.43	-156.2	1,523.1	511.5	450.4	61.06	8.377	
10,100.0	9,980.5	10,181.4	9,981.5	27.5	37.6	114.43	-156.2	1,523.1	511.5	450.3	61.12	8.369	
10,200.0	10,080.5	10,281.4	10,081.5	27.5	37.6	114.43	-156.2	1,523.1	511.5	450.3	61.18	8.361	
10,300.0	10,180.5	10,381.4	10,181.5	27.6	37.6	114.43	-156.2	1,523.1	511.5	450.3	61.24	8.353	
10,400.0	10,280.5	10,481.4	10,281.5	27.6	37.6	114.43	-156.2	1,523.1	511.5	450.2	61.29	8.345	
10,500.0	10,380.5	10,581.4	10,381.5	27.6	37.7	114.43	-156.2	1,523.1	511.5	450.1	61.35	8.337	
10,600.0	10,480.5	10,681.4	10,481.5	27.7	37.7	114.43	-156.2	1,523.1	511.5	450.1	61.41	8.329	
10,700.0	10,580.5	10,781.4	10,581.5	27.7	37.7	114.43	-156.2	1,523.1	511.5	450.0	61.47	8.321	
10,800.0	10,680.5	10,881.4	10,681.5	27.7	37.7	114.43	-156.2	1,523.1	511.5	450.0	61.53	8.312	
10,900.0	10,780.5	10,981.4	10,781.5	27.8	37.7	114.43	-156.2	1,523.1	511.5	449.9	61.59	8.304	
11,000.0	10,880.5	11,081.4	10,881.5	27.8	37.8	114.43	-156.2	1,523.1	511.5	449.8	61.66	8.296	
11,100.0	10,980.5	11,181.4	10,981.5	27.9	37.8	114.43	-156.2	1,523.1	511.5	449.8	61.72	8.288	
11,200.0	11,080.5	11,281.4	11,081.5	27.9	37.8	114.43	-156.2	1,523.1	511.5	449.7	61.78	8.279	
11,300.0	11,180.5	11,381.4	11,181.5	27.9	37.8	114.43	-156.2	1,523.1	511.5	449.7	61.84	8.271	
11,308.7	11,189.2	11,390.2	11,190.2	27.9	37.8	114.43	-156.2	1,523.1	511.5	449.6	61.85	8.270	
11,400.0	11,280.5	11,475.0	11,275.1	28.0	37.8	114.45	-156.4	1,523.1	511.6	449.7	61.92	8.262	
11,500.0	11,380.5	11,543.4	11,343.1	28.0	37.9	115.14	-163.2	1,523.1	515.9	453.6	62.30	8.281	
11,557.0	11,437.5	11,581.0	11,379.8	28.0	37.9	115.93	-171.1	1,523.2	521.2	458.8	62.40	8.353	
11,575.0	11,455.5	11,592.5	11,390.9	28.0	37.9	116.52	-174.0	1,523.2	523.5	461.3	62.26	8.408	
11,600.0	11,480.4	11,608.0	11,405.8	28.0	37.9	116.61	-178.5	1,523.2	527.6	465.4	62.20	8.482	
11,625.0	11,505.3	11,625.0	11,421.9	28.0	37.9	116.77	-183.9	1,523.3	532.7	470.7	62.03	8.588	
11,650.0	11,529.9	11,636.6	11,432.8	28.0	37.9	116.66	-187.9	1,523.3	538.9	477.0	61.92	8.704	
11,675.0	11,554.3	11,650.0	11,445.2	28.0	37.9	116.59	-192.9	1,523.3	546.3	484.6	61.70	8.854	
11,700.0	11,578.4	11,661.6	11,455.9	28.0	37.9	116.35	-197.5	1,523.4	554.7	493.3	61.45	9.028	
11,725.0	11,602.1	11,675.0	11,468.0	28.0	37.9	116.15	-203.1	1,523.4	564.3	503.2	61.10	9.237	
11,750.0	11,625.3	11,682.6	11,474.8	28.0	37.9	115.44	-206.5	1,523.4	575.0	514.2	60.82	9.455	
11,775.0	11,648.0	11,691.5	11,482.8	28.0	37.9	114.69	-210.5	1,523.4	586.8	526.4	60.45	9.707	
11,800.0	11,670.1	11,700.0	11,490.3	28.0	37.9	113.77	-214.5	1,523.5	599.7	539.6	60.05	9.986	
11,825.0	11,691.7	11,706.4	11,495.9	28.0	37.9	112.50	-217.6	1,523.5	613.6	553.9	59.66	10.285	
11,850.0	11,712.5	11,712.4	11,501.1	28.0	37.9	111.01	-220.6	1,523.5	628.4	569.2	59.23	10.610	
11,875.0	11,732.5	11,717.5	11,505.5	28.0	37.9	109.24	-223.2	1,523.5	644.2	585.4	58.80	10.956	
11,900.0	11,751.8	11,725.0	11,511.9	28.0	37.9	107.50	-227.1	1,523.5	660.8	602.5	58.29	11.336	
11,925.0	11,770.1	11,725.0	11,511.9	28.0	37.9	104.73	-227.1	1,523.5	678.1	620.2	57.92	11.708	
11,950.0	11,787.6	11,725.0	11,511.9	28.1	37.9	101.70	-227.1	1,523.5	696.1	638.6	57.53	12.100	
11,975.0	11,804.1	11,725.0	11,511.9	28.1	37.9	98.40	-227.1	1,523.5	714.8	657.6	57.13	12.512	
12,000.0	11,819.6	11,725.0	11,511.9	28.1	37.9	94.87	-227.1	1,523.5	733.9	677.2	56.71	12.940	
12,025.0	11,834.1	11,725.0	11,511.9	28.1	37.9	91.12	-227.1	1,523.5	753.4	697.1	56.30	13.383	
12,050.0	11,847.5	11,725.0	11,511.9	28.1	37.9	87.20	-227.1	1,523.5	773.3	717.4	55.88	13.839	
12,075.0	11,859.7	11,725.0	11,511.9	28.1	37.9	83.15	-227.1	1,523.5	793.4	737.9	55.45	14.307	
12,100.0	11,870.8	11,725.0	11,511.9	28.1	37.9	79.03	-227.1	1,523.5	813.7	758.6	55.03	14.785	
12,125.0	11,880.7	11,725.0	11,511.9	28.1	37.9	74.90	-227.1	1,523.5	834.1	779.5	54.62	15.272	
12,150.0	11,889.4	11,725.0	11,511.9	28.1	37.9	70.82	-227.1	1,523.5	854.5	800.3	54.20	15.766	
12,175.0	11,896.9	11,725.0	11,511.9	28.2	37.9	66.84	-227.1	1,523.5	875.0	821.2	53.79	16.266	
12,200.0	11,903.1	11,725.0	11,511.9	28.2	37.9	63.01	-227.1	1,523.5	895.4	842.0	53.39	16.771	
12,225.0	11,908.0	11,725.0	11,511.9	28.2	37.9	59.36	-227.1	1,523.5	915.7	862.7	52.99	17.281	
12,250.0	11,911.6	11,714.3	11,502.7	28.2	37.9	55.10	-221.5	1,523.5	935.6	882.9	52.75	17.737	
12,275.0	11,913.9	11,710.4	11,499.3	28.2	37.9	51.70	-219.6	1,523.5	955.4	903.0	52.41	18.228	
12,300.0	11,914.9	11,700.0	11,490.3	28.3	37.9	48.19	-214.5	1,523.5	975.0	922.8	52.17	18.687	
12,307.0	11,915.0	11,700.0	11,490.3	28.3	37.9	47.44	-214.5	1,523.5	980.4	928.3	52.06	18.830	

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 #706H
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 #706H	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

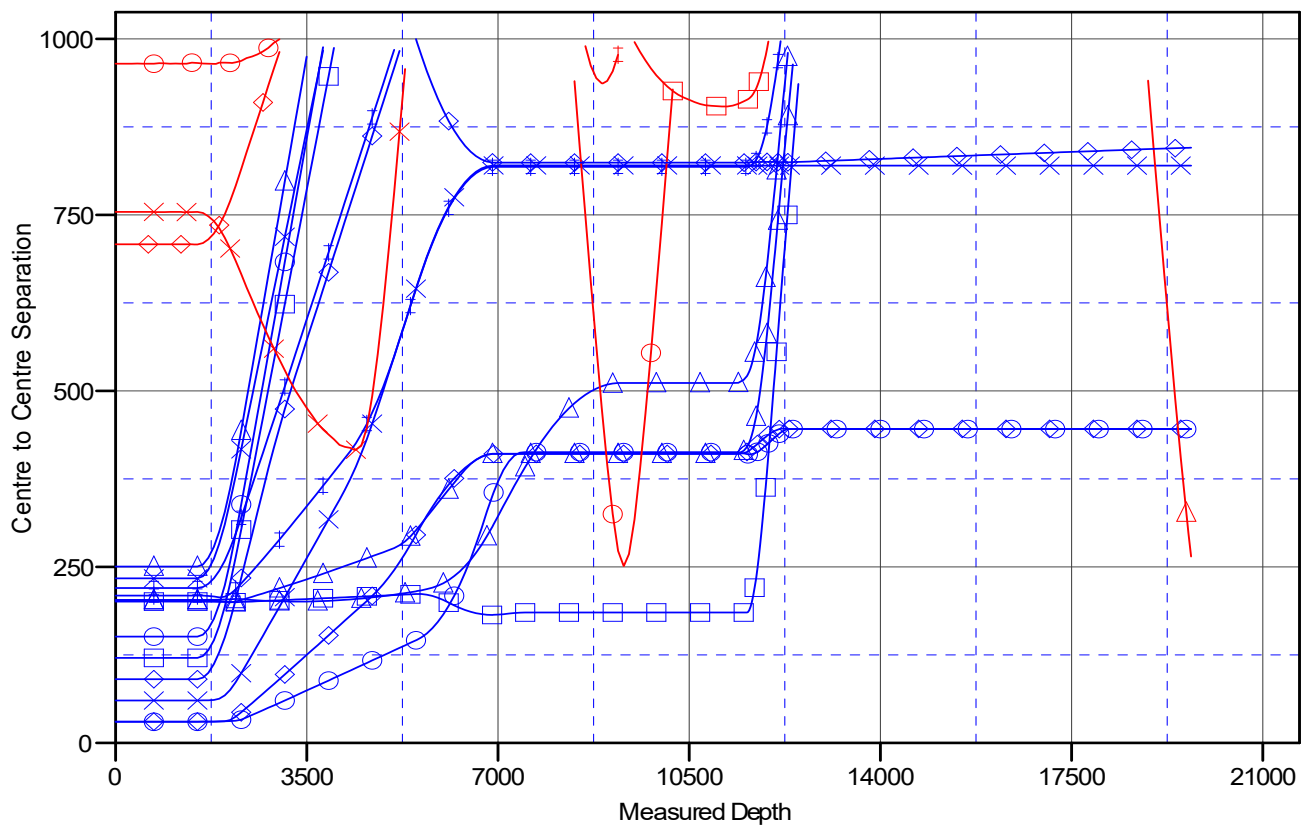
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #706H

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #752H, OWB, PWP0 V0	BUCK 20 FEDERAL #5H (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #708H, OWB, PWP0 V0	BUCK 20 FEDERAL #6H (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #753H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #702H, OWB, PWP0 V0	RED HILLS WEST UNIT #8H, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0	ZIA HILLS 20 FEDERAL COM#105H, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	RUSSELL FEDERAL #6 (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #751H, OWB, PWP0 V0	RUSSELL FEDERAL #12, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0	RUSSELL FEDERAL #10, OWB, AWP V0	ZIA HILLS 20 FEDERAL COM#101H, OWB, PWP2 V0

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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

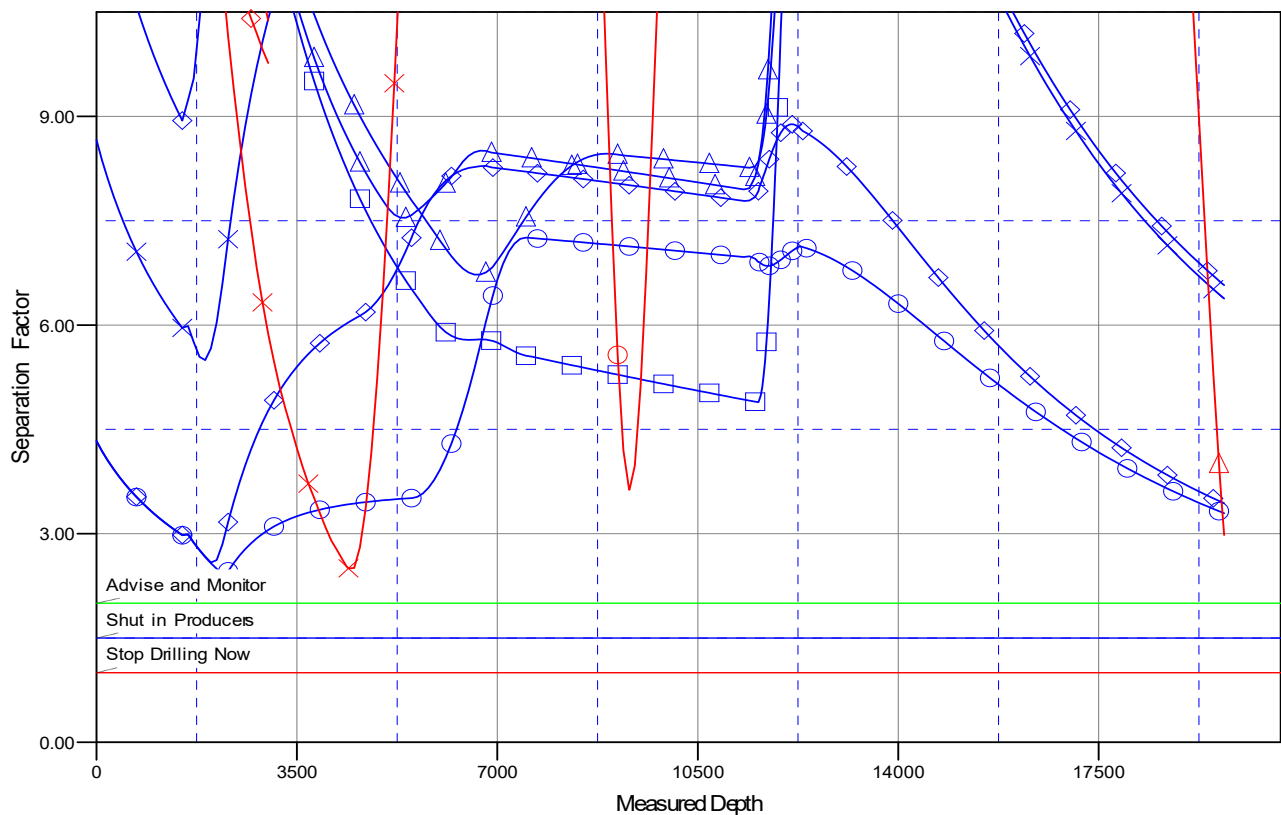
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #706H

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

Grid Convergence at Surface is: 0.33°

Separation Factor Plot**LEGEND**

ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	BUCK 20 FEDERAL #3H (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #755H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0	BUCK 20 FEDERAL #6H (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #753H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #705H, OWB, PWP0 V0	RED HILLS WEST UNIT #8H, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #701H, OWB, PWP0 V0	ZIA HILLS 20 FEDERAL COM#105H, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #705H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	RUSSELL FEDERAL #6 (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #701H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #751H, OWB, PWP0 V0	RUSSELL FEDERAL #12, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #702H, OWB, PWP0 V0	RUSSELL FEDERAL #10, OWB, AWP V0	ZIA HILLS 20 FEDERAL COM#101H, OWB, PWP2 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 #706H

OWB

Plan: PWP0

Standard Planning Report

24 January, 2023

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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 #706H		
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' 41.560 N
		Longitude:	103° 42' 7.298 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	59.54	47,265.13654835

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	7.10

Plan Survey Tool Program	Date	1/24/2023		
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	11,557.0 PWP0 (OWB)	r.5 MWD+IFR1	
			OWSG MWD + IFR1 rev.5	
3	11,557.0	19,690.7 PWP0 (OWB)	r.5 MWD+IFR1+MS	
			OWSG MWD + IFR1 + Multi-St	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,200.0	14.00	87.00	2,193.1	4.5	85.0	2.00	2.00	0.00	87.00	
5,521.6	14.00	87.00	5,416.0	46.5	887.4	0.00	0.00	0.00	0.00	
6,921.6	0.00	0.00	6,802.1	55.4	1,057.4	1.00	-1.00	0.00	180.00	
11,557.0	0.00	0.00	11,437.5	55.4	1,057.4	0.00	0.00	0.00	0.00	
12,307.0	90.00	359.48	11,915.0	532.9	1,053.0	12.00	12.00	-0.07	359.48	
19,640.7	90.00	359.48	11,915.0	7,866.3	986.0	0.00	0.00	0.00	0.00	
19,690.7	90.00	359.48	11,915.0	7,916.2	985.6	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	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	87.00	1,600.0	0.1	1.7	0.3	2.00	2.00	0.00
1,700.0	4.00	87.00	1,699.8	0.4	7.0	1.2	2.00	2.00	0.00
1,800.0	6.00	87.00	1,799.5	0.8	15.7	2.8	2.00	2.00	0.00
1,900.0	8.00	87.00	1,898.7	1.5	27.8	4.9	2.00	2.00	0.00
2,000.0	10.00	87.00	1,997.5	2.3	43.5	7.6	2.00	2.00	0.00
2,100.0	12.00	87.00	2,095.6	3.3	62.5	11.0	2.00	2.00	0.00
2,200.0	14.00	87.00	2,193.1	4.5	85.0	14.9	2.00	2.00	0.00
Start 3321.6 hold at 2200.0 MD									
2,300.0	14.00	87.00	2,290.1	5.7	109.1	19.2	0.00	0.00	0.00
2,400.0	14.00	87.00	2,387.1	7.0	133.3	23.4	0.00	0.00	0.00
2,500.0	14.00	87.00	2,484.1	8.3	157.5	27.6	0.00	0.00	0.00
2,600.0	14.00	87.00	2,581.2	9.5	181.6	31.9	0.00	0.00	0.00
2,700.0	14.00	87.00	2,678.2	10.8	205.8	36.1	0.00	0.00	0.00
2,800.0	14.00	87.00	2,775.2	12.1	229.9	40.4	0.00	0.00	0.00
2,900.0	14.00	87.00	2,872.3	13.3	254.1	44.6	0.00	0.00	0.00
3,000.0	14.00	87.00	2,969.3	14.6	278.3	48.8	0.00	0.00	0.00
3,100.0	14.00	87.00	3,066.3	15.8	302.4	53.1	0.00	0.00	0.00
3,200.0	14.00	87.00	3,163.4	17.1	326.6	57.3	0.00	0.00	0.00
3,300.0	14.00	87.00	3,260.4	18.4	350.7	61.6	0.00	0.00	0.00
3,400.0	14.00	87.00	3,357.4	19.6	374.9	65.8	0.00	0.00	0.00
3,500.0	14.00	87.00	3,454.4	20.9	399.0	70.0	0.00	0.00	0.00
3,600.0	14.00	87.00	3,551.5	22.2	423.2	74.3	0.00	0.00	0.00
3,700.0	14.00	87.00	3,648.5	23.4	447.4	78.5	0.00	0.00	0.00
3,800.0	14.00	87.00	3,745.5	24.7	471.5	82.8	0.00	0.00	0.00
3,900.0	14.00	87.00	3,842.6	26.0	495.7	87.0	0.00	0.00	0.00
4,000.0	14.00	87.00	3,939.6	27.2	519.8	91.2	0.00	0.00	0.00
4,100.0	14.00	87.00	4,036.6	28.5	544.0	95.5	0.00	0.00	0.00
4,200.0	14.00	87.00	4,133.6	29.8	568.2	99.7	0.00	0.00	0.00
4,300.0	14.00	87.00	4,230.7	31.0	592.3	104.0	0.00	0.00	0.00
4,400.0	14.00	87.00	4,327.7	32.3	616.5	108.2	0.00	0.00	0.00
4,500.0	14.00	87.00	4,424.7	33.6	640.6	112.5	0.00	0.00	0.00
4,600.0	14.00	87.00	4,521.8	34.8	664.8	116.7	0.00	0.00	0.00
4,700.0	14.00	87.00	4,618.8	36.1	689.0	120.9	0.00	0.00	0.00
4,800.0	14.00	87.00	4,715.8	37.4	713.1	125.2	0.00	0.00	0.00
4,900.0	14.00	87.00	4,812.9	38.6	737.3	129.4	0.00	0.00	0.00
5,000.0	14.00	87.00	4,909.9	39.9	761.4	133.7	0.00	0.00	0.00
5,100.0	14.00	87.00	5,006.9	41.2	785.6	137.9	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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	14.00	87.00	5,103.9	42.4	809.8	142.1	0.00	0.00	0.00
5,300.0	14.00	87.00	5,201.0	43.7	833.9	146.4	0.00	0.00	0.00
5,400.0	14.00	87.00	5,298.0	45.0	858.1	150.6	0.00	0.00	0.00
5,500.0	14.00	87.00	5,395.0	46.2	882.2	154.9	0.00	0.00	0.00
5,521.6	14.00	87.00	5,416.0	46.5	887.4	155.8	0.00	0.00	0.00
Start Drop -1.00									
5,600.0	13.22	87.00	5,492.2	47.5	905.9	159.0	1.00	-1.00	0.00
5,700.0	12.22	87.00	5,589.7	48.6	927.8	162.9	1.00	-1.00	0.00
5,800.0	11.22	87.00	5,687.6	49.7	948.1	166.4	1.00	-1.00	0.00
5,900.0	10.22	87.00	5,785.9	50.7	966.7	169.7	1.00	-1.00	0.00
6,000.0	9.22	87.00	5,884.5	51.5	983.5	172.6	1.00	-1.00	0.00
6,100.0	8.22	87.00	5,983.3	52.3	998.7	175.3	1.00	-1.00	0.00
6,200.0	7.22	87.00	6,082.4	53.0	1,012.1	177.7	1.00	-1.00	0.00
6,300.0	6.22	87.00	6,181.7	53.7	1,023.8	179.7	1.00	-1.00	0.00
6,400.0	5.22	87.00	6,281.2	54.2	1,033.7	181.5	1.00	-1.00	0.00
6,500.0	4.22	87.00	6,380.9	54.6	1,041.9	182.9	1.00	-1.00	0.00
6,600.0	3.22	87.00	6,480.7	54.9	1,048.4	184.0	1.00	-1.00	0.00
6,700.0	2.22	87.00	6,580.6	55.2	1,053.1	184.9	1.00	-1.00	0.00
6,800.0	1.22	87.00	6,680.5	55.3	1,056.1	185.4	1.00	-1.00	0.00
6,900.0	0.22	87.00	6,780.5	55.4	1,057.4	185.6	1.00	-1.00	0.00
6,921.6	0.00	0.00	6,802.1	55.4	1,057.4	185.6	1.00	-1.00	0.00
Start 4635.4 hold at 6921.6 MD									
7,000.0	0.00	0.00	6,880.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,100.0	0.00	0.00	6,980.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,200.0	0.00	0.00	7,080.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,300.0	0.00	0.00	7,180.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,280.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,380.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,480.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,580.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,680.5	55.4	1,057.4	185.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,780.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,880.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,100.0	0.00	0.00	7,980.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,080.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,180.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,280.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,380.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,480.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,580.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,680.5	55.4	1,057.4	185.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,780.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,880.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,100.0	0.00	0.00	8,980.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,080.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,180.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,280.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,380.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,480.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,580.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,680.5	55.4	1,057.4	185.6	0.00	0.00	0.00
9,900.0	0.00	0.00	9,780.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,000.0	0.00	0.00	9,880.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,100.0	0.00	0.00	9,980.5	55.4	1,057.4	185.6	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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,200.0	0.00	0.00	10,080.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,300.0	0.00	0.00	10,180.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,400.0	0.00	0.00	10,280.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,500.0	0.00	0.00	10,380.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,600.0	0.00	0.00	10,480.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,700.0	0.00	0.00	10,580.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,800.0	0.00	0.00	10,680.5	55.4	1,057.4	185.6	0.00	0.00	0.00
10,900.0	0.00	0.00	10,780.5	55.4	1,057.4	185.6	0.00	0.00	0.00
11,000.0	0.00	0.00	10,880.5	55.4	1,057.4	185.6	0.00	0.00	0.00
11,100.0	0.00	0.00	10,980.5	55.4	1,057.4	185.6	0.00	0.00	0.00
11,200.0	0.00	0.00	11,080.5	55.4	1,057.4	185.6	0.00	0.00	0.00
11,300.0	0.00	0.00	11,180.5	55.4	1,057.4	185.6	0.00	0.00	0.00
11,400.0	0.00	0.00	11,280.5	55.4	1,057.4	185.6	0.00	0.00	0.00
11,500.0	0.00	0.00	11,380.5	55.4	1,057.4	185.6	0.00	0.00	0.00
11,557.0	0.00	0.00	11,437.5	55.4	1,057.4	185.6	0.00	0.00	0.00
Start DLS 12.00 TFO 359.48									
11,575.0	2.16	359.48	11,455.5	55.8	1,057.4	185.9	12.00	12.00	0.00
11,600.0	5.16	359.48	11,480.4	57.3	1,057.4	187.5	12.00	12.00	0.00
11,625.0	8.16	359.48	11,505.3	60.2	1,057.4	190.4	12.00	12.00	0.00
11,650.0	11.16	359.48	11,529.9	64.4	1,057.3	194.6	12.00	12.00	0.00
11,675.0	14.16	359.48	11,554.3	69.9	1,057.3	200.0	12.00	12.00	0.00
11,700.0	17.16	359.48	11,578.4	76.7	1,057.2	206.7	12.00	12.00	0.00
11,725.0	20.16	359.48	11,602.1	84.7	1,057.1	214.6	12.00	12.00	0.00
11,750.0	23.16	359.48	11,625.3	93.9	1,057.1	223.7	12.00	12.00	0.00
11,775.0	26.16	359.48	11,648.0	104.3	1,057.0	234.1	12.00	12.00	0.00
11,800.0	29.16	359.48	11,670.1	115.9	1,056.9	245.6	12.00	12.00	0.00
11,825.0	32.16	359.48	11,691.7	128.7	1,056.7	258.2	12.00	12.00	0.00
11,850.0	35.16	359.48	11,712.5	142.5	1,056.6	271.9	12.00	12.00	0.00
11,875.0	38.16	359.48	11,732.5	157.4	1,056.5	286.7	12.00	12.00	0.00
11,900.0	41.16	359.48	11,751.8	173.4	1,056.3	302.5	12.00	12.00	0.00
11,925.0	44.16	359.48	11,770.1	190.3	1,056.2	319.3	12.00	12.00	0.00
11,950.0	47.16	359.48	11,787.6	208.2	1,056.0	337.0	12.00	12.00	0.00
11,975.0	50.16	359.48	11,804.1	227.0	1,055.8	355.6	12.00	12.00	0.00
12,000.0	53.16	359.48	11,819.6	246.6	1,055.7	375.1	12.00	12.00	0.00
12,025.0	56.16	359.48	11,834.1	267.0	1,055.5	395.3	12.00	12.00	0.00
12,050.0	59.16	359.48	11,847.5	288.1	1,055.3	416.2	12.00	12.00	0.00
12,075.0	62.16	359.48	11,859.7	309.9	1,055.1	437.8	12.00	12.00	0.00
12,100.0	65.16	359.48	11,870.8	332.3	1,054.9	460.0	12.00	12.00	0.00
12,125.0	68.16	359.48	11,880.7	355.2	1,054.7	482.8	12.00	12.00	0.00
12,150.0	71.16	359.48	11,889.4	378.6	1,054.5	506.0	12.00	12.00	0.00
12,175.0	74.16	359.48	11,896.9	402.5	1,054.2	529.7	12.00	12.00	0.00
12,200.0	77.16	359.48	11,903.1	426.7	1,054.0	553.7	12.00	12.00	0.00
12,225.0	80.16	359.48	11,908.0	451.2	1,053.8	577.9	12.00	12.00	0.00
12,250.0	83.16	359.48	11,911.6	476.0	1,053.6	602.5	12.00	12.00	0.00
12,275.0	86.16	359.48	11,913.9	500.9	1,053.3	627.1	12.00	12.00	0.00
12,300.0	89.16	359.48	11,914.9	525.8	1,053.1	651.9	12.00	12.00	0.00
12,307.0	90.00	359.48	11,915.0	532.9	1,053.0	658.9	12.00	12.00	0.00
Start 7333.7 hold at 12307.0 MD									
12,400.0	90.00	359.48	11,915.0	625.8	1,052.2	751.0	0.00	0.00	0.00
12,500.0	90.00	359.48	11,915.0	725.8	1,051.3	850.1	0.00	0.00	0.00
12,600.0	90.00	359.48	11,915.0	825.8	1,050.4	949.2	0.00	0.00	0.00
12,700.0	90.00	359.48	11,915.0	925.8	1,049.5	1,048.4	0.00	0.00	0.00
12,800.0	90.00	359.48	11,915.0	1,025.8	1,048.5	1,147.5	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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,900.0	90.00	359.48	11,915.0	1,125.8	1,047.6	1,246.6	0.00	0.00	0.00
13,000.0	90.00	359.48	11,915.0	1,225.8	1,046.7	1,345.7	0.00	0.00	0.00
13,100.0	90.00	359.48	11,915.0	1,325.8	1,045.8	1,444.8	0.00	0.00	0.00
13,200.0	90.00	359.48	11,915.0	1,425.8	1,044.9	1,543.9	0.00	0.00	0.00
13,300.0	90.00	359.48	11,915.0	1,525.8	1,044.0	1,643.1	0.00	0.00	0.00
13,400.0	90.00	359.48	11,915.0	1,625.8	1,043.1	1,742.2	0.00	0.00	0.00
13,500.0	90.00	359.48	11,915.0	1,725.8	1,042.1	1,841.3	0.00	0.00	0.00
13,600.0	90.00	359.48	11,915.0	1,825.8	1,041.2	1,940.4	0.00	0.00	0.00
13,700.0	90.00	359.48	11,915.0	1,925.8	1,040.3	2,039.5	0.00	0.00	0.00
13,800.0	90.00	359.48	11,915.0	2,025.8	1,039.4	2,138.6	0.00	0.00	0.00
13,900.0	90.00	359.48	11,915.0	2,125.8	1,038.5	2,237.8	0.00	0.00	0.00
14,000.0	90.00	359.48	11,915.0	2,225.8	1,037.6	2,336.9	0.00	0.00	0.00
14,100.0	90.00	359.48	11,915.0	2,325.8	1,036.7	2,436.0	0.00	0.00	0.00
14,200.0	90.00	359.48	11,915.0	2,425.7	1,035.7	2,535.1	0.00	0.00	0.00
14,300.0	90.00	359.48	11,915.0	2,525.7	1,034.8	2,634.2	0.00	0.00	0.00
14,400.0	90.00	359.48	11,915.0	2,625.7	1,033.9	2,733.3	0.00	0.00	0.00
14,500.0	90.00	359.48	11,915.0	2,725.7	1,033.0	2,832.5	0.00	0.00	0.00
14,600.0	90.00	359.48	11,915.0	2,825.7	1,032.1	2,931.6	0.00	0.00	0.00
14,700.0	90.00	359.48	11,915.0	2,925.7	1,031.2	3,030.7	0.00	0.00	0.00
14,800.0	90.00	359.48	11,915.0	3,025.7	1,030.3	3,129.8	0.00	0.00	0.00
14,900.0	90.00	359.48	11,915.0	3,125.7	1,029.4	3,228.9	0.00	0.00	0.00
15,000.0	90.00	359.48	11,915.0	3,225.7	1,028.4	3,328.0	0.00	0.00	0.00
15,100.0	90.00	359.48	11,915.0	3,325.7	1,027.5	3,427.2	0.00	0.00	0.00
15,200.0	90.00	359.48	11,915.0	3,425.7	1,026.6	3,526.3	0.00	0.00	0.00
15,300.0	90.00	359.48	11,915.0	3,525.7	1,025.7	3,625.4	0.00	0.00	0.00
15,400.0	90.00	359.48	11,915.0	3,625.7	1,024.8	3,724.5	0.00	0.00	0.00
15,500.0	90.00	359.48	11,915.0	3,725.7	1,023.9	3,823.6	0.00	0.00	0.00
15,600.0	90.00	359.48	11,915.0	3,825.7	1,023.0	3,922.8	0.00	0.00	0.00
15,700.0	90.00	359.48	11,915.0	3,925.7	1,022.0	4,021.9	0.00	0.00	0.00
15,800.0	90.00	359.48	11,915.0	4,025.7	1,021.1	4,121.0	0.00	0.00	0.00
15,900.0	90.00	359.48	11,915.0	4,125.7	1,020.2	4,220.1	0.00	0.00	0.00
16,000.0	90.00	359.48	11,915.0	4,225.7	1,019.3	4,319.2	0.00	0.00	0.00
16,100.0	90.00	359.48	11,915.0	4,325.7	1,018.4	4,418.3	0.00	0.00	0.00
16,200.0	90.00	359.48	11,915.0	4,425.7	1,017.5	4,517.5	0.00	0.00	0.00
16,300.0	90.00	359.48	11,915.0	4,525.7	1,016.6	4,616.6	0.00	0.00	0.00
16,400.0	90.00	359.48	11,915.0	4,625.7	1,015.6	4,715.7	0.00	0.00	0.00
16,500.0	90.00	359.48	11,915.0	4,725.7	1,014.7	4,814.8	0.00	0.00	0.00
16,600.0	90.00	359.48	11,915.0	4,825.6	1,013.8	4,913.9	0.00	0.00	0.00
16,700.0	90.00	359.48	11,915.0	4,925.6	1,012.9	5,013.0	0.00	0.00	0.00
16,800.0	90.00	359.48	11,915.0	5,025.6	1,012.0	5,112.2	0.00	0.00	0.00
16,900.0	90.00	359.48	11,915.0	5,125.6	1,011.1	5,211.3	0.00	0.00	0.00
17,000.0	90.00	359.48	11,915.0	5,225.6	1,010.2	5,310.4	0.00	0.00	0.00
17,100.0	90.00	359.48	11,915.0	5,325.6	1,009.2	5,409.5	0.00	0.00	0.00
17,200.0	90.00	359.48	11,915.0	5,425.6	1,008.3	5,508.6	0.00	0.00	0.00
17,300.0	90.00	359.48	11,915.0	5,525.6	1,007.4	5,607.7	0.00	0.00	0.00
17,400.0	90.00	359.48	11,915.0	5,625.6	1,006.5	5,706.9	0.00	0.00	0.00
17,500.0	90.00	359.48	11,915.0	5,725.6	1,005.6	5,806.0	0.00	0.00	0.00
17,600.0	90.00	359.48	11,915.0	5,825.6	1,004.7	5,905.1	0.00	0.00	0.00
17,700.0	90.00	359.48	11,915.0	5,925.6	1,003.8	6,004.2	0.00	0.00	0.00
17,800.0	90.00	359.48	11,915.0	6,025.6	1,002.9	6,103.3	0.00	0.00	0.00
17,900.0	90.00	359.48	11,915.0	6,125.6	1,001.9	6,202.4	0.00	0.00	0.00
18,000.0	90.00	359.48	11,915.0	6,225.6	1,001.0	6,301.6	0.00	0.00	0.00
18,100.0	90.00	359.48	11,915.0	6,325.6	1,000.1	6,400.7	0.00	0.00	0.00
18,200.0	90.00	359.48	11,915.0	6,425.6	999.2	6,499.8	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
18,300.0	90.00	359.48	11,915.0	6,525.6	998.3	6,598.9	0.00	0.00	0.00	
18,400.0	90.00	359.48	11,915.0	6,625.6	997.4	6,698.0	0.00	0.00	0.00	
18,500.0	90.00	359.48	11,915.0	6,725.6	996.5	6,797.1	0.00	0.00	0.00	
18,600.0	90.00	359.48	11,915.0	6,825.6	995.5	6,896.3	0.00	0.00	0.00	
18,700.0	90.00	359.48	11,915.0	6,925.6	994.6	6,995.4	0.00	0.00	0.00	
18,800.0	90.00	359.48	11,915.0	7,025.6	993.7	7,094.5	0.00	0.00	0.00	
18,900.0	90.00	359.48	11,915.0	7,125.6	992.8	7,193.6	0.00	0.00	0.00	
19,000.0	90.00	359.48	11,915.0	7,225.5	991.9	7,292.7	0.00	0.00	0.00	
19,100.0	90.00	359.48	11,915.0	7,325.5	991.0	7,391.8	0.00	0.00	0.00	
19,200.0	90.00	359.48	11,915.0	7,425.5	990.1	7,491.0	0.00	0.00	0.00	
19,300.0	90.00	359.48	11,915.0	7,525.5	989.1	7,590.1	0.00	0.00	0.00	
19,400.0	90.00	359.48	11,915.0	7,625.5	988.2	7,689.2	0.00	0.00	0.00	
19,500.0	90.00	359.48	11,915.0	7,725.5	987.3	7,788.3	0.00	0.00	0.00	
19,600.0	90.00	359.48	11,915.0	7,825.5	986.4	7,887.4	0.00	0.00	0.00	
19,640.7	90.00	359.48	11,915.0	7,866.3	986.0	7,927.8	0.00	0.00	0.00	
Start 50.0 hold at 19640.7 MD										
19,690.7	90.00	359.48	11,915.0	7,916.2	985.6	7,977.4	0.00	0.00	0.00	
TD at 19690.7										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
PBHL (ZHU 2032 WC #706H) - plan misses target center by 0.2usft at 19690.7usft MD (11915.0 TVD, 7916.2 N, 985.6 E) - Rectangle (sides W100.0 H7,913.0 D20.0)	0.00	179.48	11,915.0	7,916.3	985.4	382,477.30	696,628.79	32° 2' 59.843 N		103° 41' 55.311 W
LTP (ZHU 2032 WC #706H) - plan hits target center - Point	0.00	0.00	11,915.0	7,866.3	986.0	382,427.30	696,629.41	32° 2' 59.348 N		103° 41' 55.307 W
FTP (ZHU 2032 WC #706H) - plan misses target center by 235.2usft at 11905.1usft MD (11755.6 TVD, 176.8 N, 1056.3 E) - Circle (radius 50.0)	0.00	0.00	11,915.0	3.8	1,058.0	374,564.85	696,701.35	32° 1' 41.537 N		103° 41' 55.008 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
11,557.0	11,437.5	DB INT 7-5/8		7-5/8	9-7/8
19,690.7	11,915.0	PB PROD. -5 1/2		5-1/2	6-3/4

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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
2,200.0	2,193.1	4.5	85.0	Start 3321.6 hold at 2200.0 MD
5,521.6	5,416.0	46.5	887.4	Start Drop -1.00
6,921.6	6,802.1	55.4	1,057.4	Start 4635.4 hold at 6921.6 MD
11,557.0	11,437.5	55.4	1,057.4	Start DLS 12.00 TFO 359.48
12,307.0	11,915.0	532.9	1,053.0	Start 7333.7 hold at 12307.0 MD
19,640.7	11,915.0	7,866.3	986.0	Start 50.0 hold at 19640.7 MD
19,690.7	11,915.0	7,916.2	985.6	TD at 19690.7

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	COG OPERATING LLC
WELL NAME & NO.:	ZIA HILLS UNIT 2032 WC 706H
SURFACE HOLE FOOTAGE:	2615'/N & 1012'/W
BOTTOM HOLE FOOTAGE:	50'/N & 2070'/W
LOCATION:	Section 20, T.26 S., R.32 E.
COUNTY:	Lea County, New Mexico

COA

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

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Primary Casing Design:

1. The 10-3/4 inch surface casing shall be set at approximately 1350 feet (a minimum of 70 feet (Eddy 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 7-5/8 inch intermediate casing shall be set at approximately **11,132 feet**. **Keep casing full during run for collapse safety factor**. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:

Option 1 (Single Stage):

- Cement to surface. If cement does not circulate see B.1.a, c-d above.
- ❖ 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 5-1/2 inch production casing shall be set at approximately **19,690 feet**. The minimum required fill of cement behind the 5-1/2 inch production casing is:

Option 1 (Single Stage):

- 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 **10-3/4 inch** surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi**. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (70% Working Pressure) psi.**

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

Casing Clearance:

- Overlap clearance OK for production interval

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

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
 - b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
 - c. BOPE tests (minimum of 4 hours)
- If well located in 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

- If well located in 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. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - 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. The BOPE test can be

initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- 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 casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 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

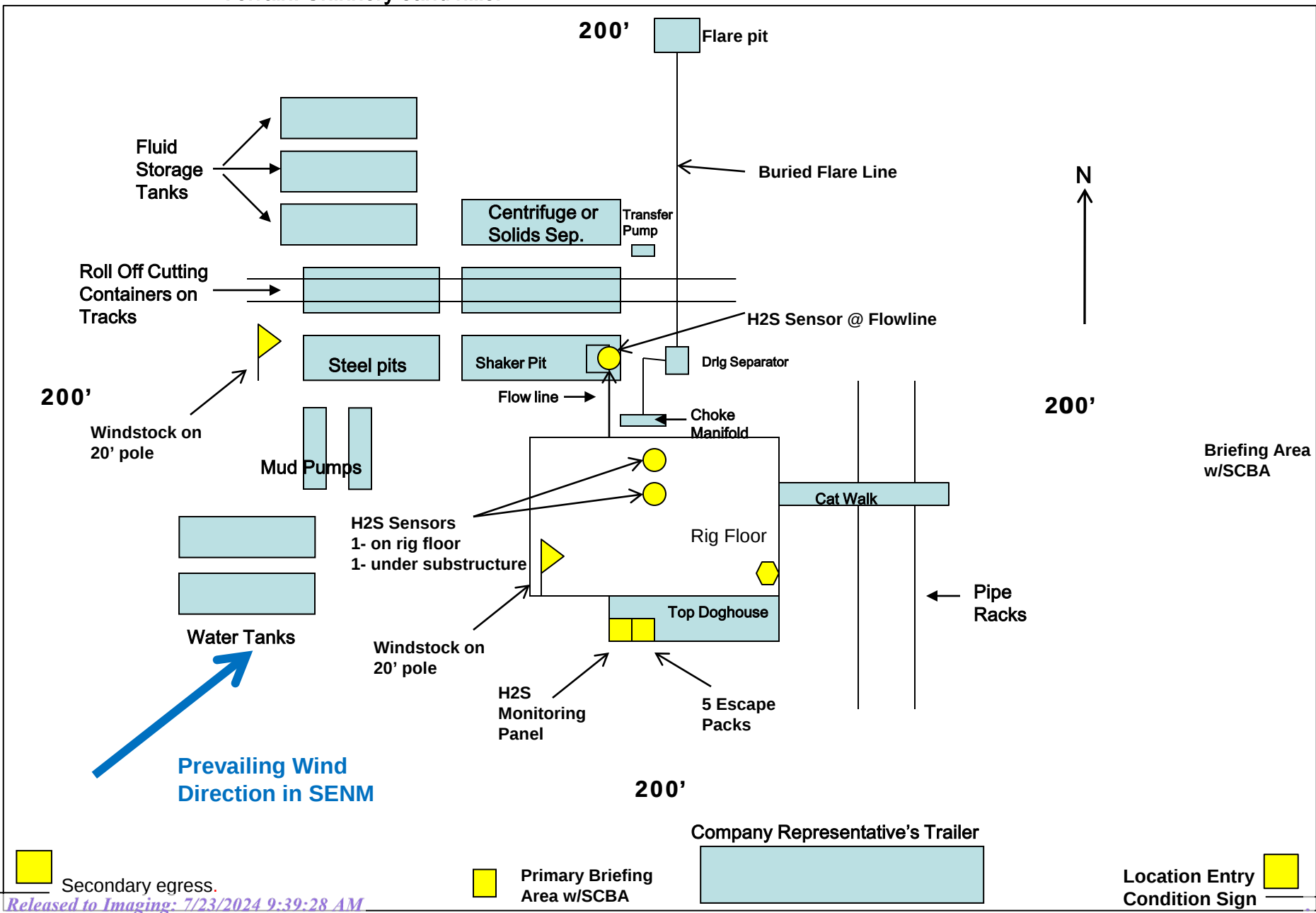
disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

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

KPI 7/10/2024

COG Operating LLC
H₂S Equipment Schematic
Terrain: Shinnery sand hills.

Well pad will be 400' x 400'
with cellar in center of pad



COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

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

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

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

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

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

2. H₂S SAFETY EQUIPMENT AND SYSTEMS

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

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

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

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

W A R N I N G

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

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

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

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

EMERGENCY RESPONSE NUMBERS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 364334

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 364334
	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	7/23/2024
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	7/23/2024
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	7/23/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	7/23/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	7/23/2024