

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

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-025-52539
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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

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

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

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

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

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 02/16/2024

Additional Operator Remarks

Location of Well

0. SHL: NWSW / 2632 FSL / 800 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.028064 / LONG: -103.7031817 (TVD: 0 feet, MD: 0 feet)

PPP: NWSW / 2620 FSL / 414 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0280285 / LONG: -103.7044272 (TVD: 11662 feet, MD: 11718 feet)

PPP: NWNW / 1 FNL / 414 FWL / TWSP: 26S / RANGE: 32E / SECTION: 29 / LAT: 32.020826 / LONG: -103.704432 (TVD: 11911 feet, MD: 14339 feet)

BHL: LOT 4 / 50 FSL / 414 FWL / TWSP: 26S / RANGE: 32E / SECTION: 32 / LAT: 32.0003532 / LONG: -103.7044039 (TVD: 11911 feet, MD: 21409 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 30-025-52539	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 752H
7 OGRID No. 217817	8 Operator Name CONOCOPHILLIPS COMPANY	9 Elevation 3174.09'

¹⁰ Surface Location

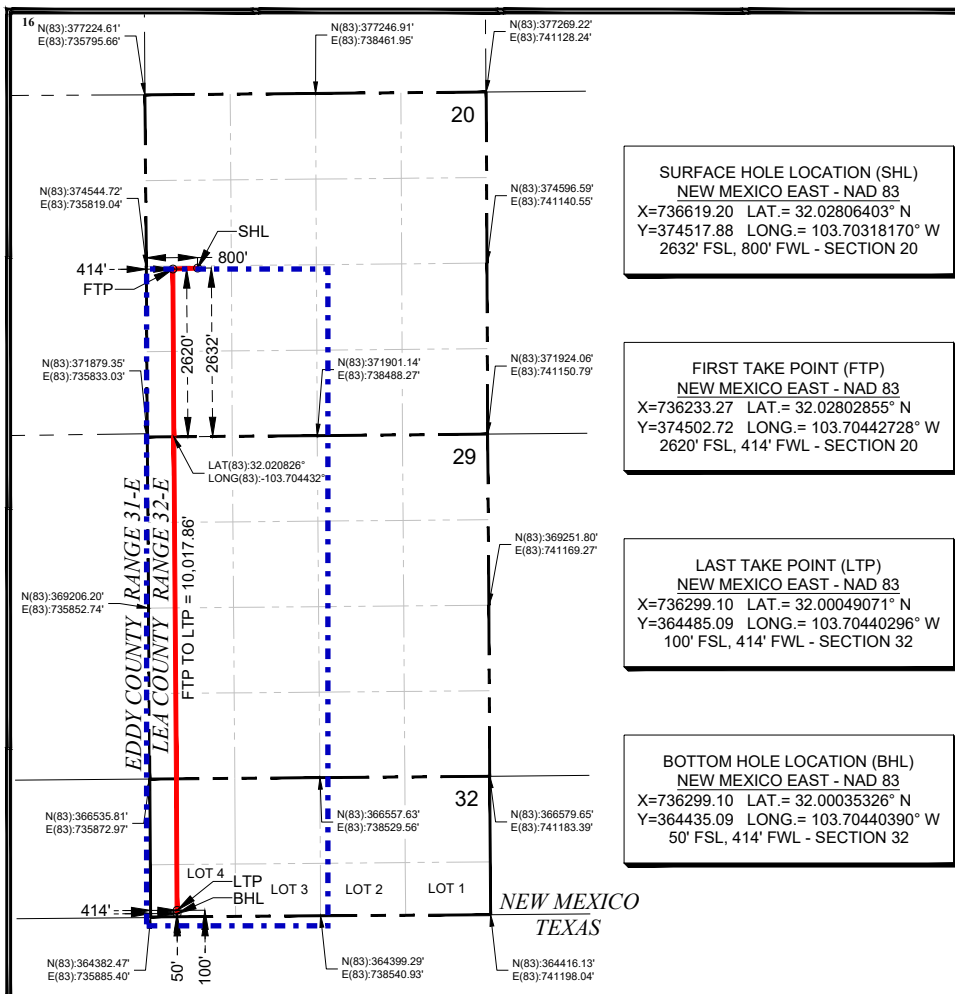
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	26-S	32-E		2632'	SOUTH	800'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	32	26-S	32-E		50'	SOUTH	414'	WEST	LEA

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



17 OPERATOR CERTIFICATION

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

Stan Wagner 2/28/23
Signature Date

Stan Wagner
Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

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

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

Charles L. Jurica
Signature and Seal of Professional Surveyor

Certificate Number

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

Submit Electronically
Via E-permitting

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description **Effective May 25, 2021**

I. Operator: ConocoPhillips Company

OGRID: 217817

Date: 02/21/2023

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

If Other, please describe: _____

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

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

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

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

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

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

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

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

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

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

ConocoPhillips Company - Zia Hills Unit 2032 WC 752H

1. Geologic Formations

TVD of target	11,911' EOL	Pilot hole depth	NA
MD at TD:	21,409'	Deepest expected fresh water:	314'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1268	Water	
Top of Salt	1561	Salt	
Base of Salt	4093	Salt	
Lamar	4308	Salt Water	
Bell Canyon	4345	Salt Water	
Cherry Canyon	5231	Oil/Gas	
Brushy Canyon	6717	Oil/Gas	
Bone Spring Shale	8319	Oil/Gas	
1st Bone Spring Sand	9303	Oil/Gas	
2nd Bone Spring Sand	9984	Oil/Gas	
3rd Bone Spring Sand	11133	Oil/Gas	
Wolfcamp	11548	Oil/Gas	
Wolfcamp A	11755	Target	
Wolfcamp B	12059	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.11	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.45	1.12	2.88	2.90
8.750"	8500	11132	7.625"	29.7	P110-ICY	W513	1.38	1.69	3.23	1.94
6.75"	0	10632	5.5"	23	P110-CY	BTC	2.10	2.48	2.98	2.98
6.75"	10632	21,409	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 752H

	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 752H

3. Cementing Program

Casing	# Skis	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
	907	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 752H

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 752H

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 752H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7745 psi at 11911' TVD
Abnormal Temperature	NO 175 Deg. F.

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

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

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

Y	Is it a walking operation?
Y	Is casing pre-set?

x	H ₂ S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

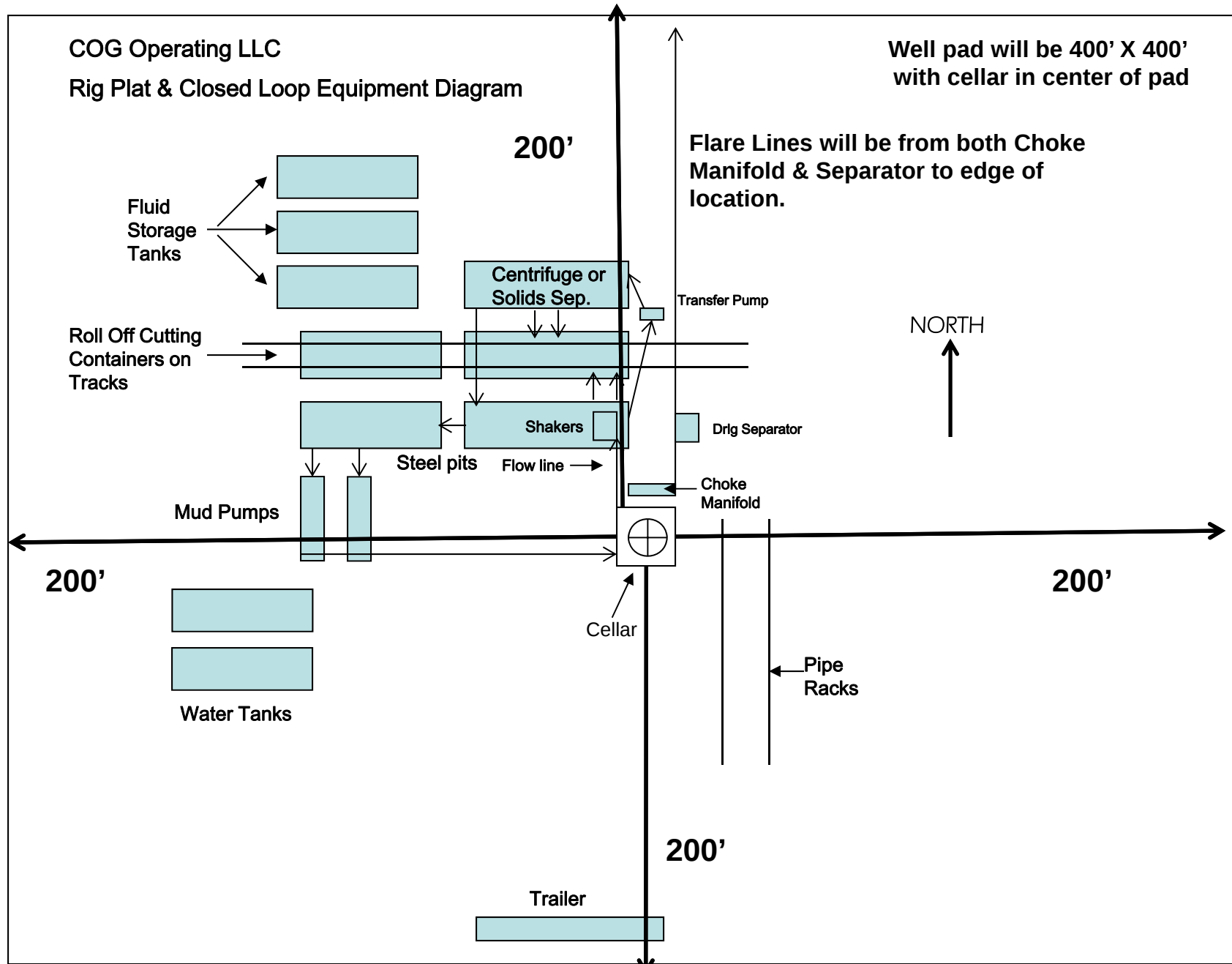


Exhibit 1

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #752H

OWB

PWP0

Anticollision Report

25 January, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	1/25/2023	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	1,500.0	PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initialzd Cont. rev.5
1,500.0	11,479.8	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
11,479.8	21,409.6	PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
CONOCO A FEDERAL #2 - OWB - AWP						Out of range
CONOCO B FEDERAL #1 - OWB - AWP						Out of range
CONOCO FEDERAL #1 - OWB - AWP	4,400.0	4,327.0	821.3	698.8	6.703	SF
CONOCO FEDERAL #1 - OWB - AWP	4,457.1	4,327.0	819.3	697.4	6.720	CC, ES
RUSSELL FEDERAL #10 - OWB - AWP						Out of range
RUSSELL FEDERAL #12 - OWB - AWP	3,942.4	3,916.3	284.8	140.2	1.970	Advise and Monitor, CC
RUSSELL FEDERAL #12 - OWB - AWP	4,300.0	4,271.3	291.2	130.8	1.816	Advise and Monitor, ES, SF
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	1,241.3	1,252.3	905.8	876.7	31.105	CC
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	1,700.0	1,709.4	908.7	864.9	20.745	ES
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	2,800.0	2,797.0	993.7	908.7	11.690	SF
ZIA HILLS UNIT 1932 PROJECT						
*ZIA HILLS UNIT 1932 WC #713H - OWB - PWP0						Out of range
*ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0	11,110.0	11,341.8	952.8	905.1	19.952	CC, ES, SF
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	12,787.6	12,141.0	904.1	850.0	16.708	CC
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	21,409.6	20,763.1	904.2	748.5	5.806	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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,500.0	1,499.0	203.0	192.6	19.426	CC, ES
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,900.0	1,911.4	217.0	205.2	18.497	SF
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	1,500.0	1,499.0	200.7	190.3	19.336	CC, ES
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	11,479.8	11,471.2	525.4	490.9	15.248	SF
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	1,738.0	1,754.8	202.6	191.6	18.422	CC, ES
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,800.0	2,806.4	290.4	273.5	17.186	SF
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	1,500.0	1,500.0	209.3	199.1	20.503	CC, ES, SF
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,466.3	1,467.3	219.8	209.8	21.827	CC
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,500.0	1,500.0	219.8	209.7	21.694	ES, SF
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	1,466.3	1,467.3	233.9	223.9	23.356	CC
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	1,500.0	1,500.0	233.9	223.8	23.218	ES, SF
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,466.3	1,467.3	250.6	240.6	25.134	CC
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,500.0	1,500.0	250.6	240.6	24.989	ES, SF
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	1,500.0	1,499.0	30.1	19.9	2.963	CC, ES
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,409.6	21,026.0	458.6	303.1	2.949	SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	1,500.0	1,501.0	30.2	20.2	3.011	CC, ES
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,409.6	21,595.5	458.7	302.7	2.940	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,466.3	1,467.3	60.3	50.2	5.975	CC, ES
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,409.6	21,829.5	848.0	691.7	5.426	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	1,466.3	1,467.3	90.6	80.5	8.979	CC
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	1,500.0	1,500.0	90.6	80.4	8.924	ES, SF
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	1,466.0	1,468.0	120.8	110.7	11.975	CC, ES, SF
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,466.0	1,468.0	151.0	140.9	14.970	CC
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,500.0	1,500.0	151.0	140.9	14.880	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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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						
CONOCO A FEDERAL #2 - OWB - AWP	21,409.6	4,317.0				Out of Range @TD
CONOCO B FEDERAL #1 - OWB - AWP	21,409.6	4,330.0				Out of Range @TD
CONOCO FEDERAL #1 - OWB - AWP	21,409.6	4,327.0				Out of Range @TD
RUSSELL FEDERAL #10 - OWB - AWP	21,409.6	4,500.0				Out of Range @TD
RUSSELL FEDERAL #12 - OWB - AWP	21,409.6	4,335.0				Out of Range @TD
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	21,409.6	4,378.0				Out of Range @TD
ZIA HILLS UNIT 1932 PROJECT						
*ZIA HILLS UNIT 1932 WC #713H - OWB - PWP0	21,409.6	11,200.0				Out of Range @TD
*ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0	21,409.6	11,425.0				Out of Range @TD
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	21,409.6	20,763.1	904.2	748.5	5.806	ES, SF
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	21,409.6	11,375.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	21,409.6	11,500.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	21,409.6	11,300.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	21,409.6	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	21,409.6	11,350.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	21,409.6	11,575.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	21,409.6	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0	21,409.6	21,026.0	458.6	303.1	2.949	SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,409.6	21,595.5	458.7	302.7	2.940	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,409.6	21,829.5	848.0	691.7	5.426	SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	21,409.6	21,692.7				Out of Range @TD
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	21,409.6	21,894.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	21,409.6	21,747.2				Out of Range @TD

Offset Design: ZIA HILLS 20 FED COM PROJECT - CONOCO FEDERAL #1 - OWB - AWP											
Survey Program: 464-INC-ONLY										Offset Site Error:	0.0 usft
										Offset Well Error:	3.0 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	
3,000.0	2,982.3	2,984.1	2,983.9	9.3	54.5	38.97	-325.0	-1,128.3	996.5	918.9	12.828
3,100.0	3,080.8	3,081.9	3,081.7	9.7	56.7	39.57	-325.5	-1,128.3	983.1	902.3	12.170
3,200.0	3,179.2	3,181.7	3,181.3	10.1	59.0	40.17	-326.5	-1,128.3	969.8	885.9	11.555
3,300.0	3,277.7	3,280.2	3,279.8	10.5	61.1	40.84	-326.5	-1,128.3	956.6	869.6	10.999
3,400.0	3,376.2	3,378.6	3,378.3	10.9	63.3	41.52	-326.5	-1,128.3	943.4	853.4	10.481
3,500.0	3,474.7	3,476.9	3,476.5	11.3	65.4	42.28	-325.6	-1,128.3	930.3	837.2	9.999

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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 - CONOCO FEDERAL #1 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 464-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor
3,600.0	3,573.2	3,575.1	3,574.7	11.7	67.6	42.98	-326.1	-1,128.3	917.5	821.4		96.07	9.550
3,700.0	3,671.6	3,674.2	3,673.7	12.1	69.9	43.69	-326.5	-1,128.3	904.8	805.5		99.27	9.114
3,800.0	3,770.1	3,772.7	3,772.2	12.6	72.4	44.46	-326.5	-1,128.3	892.2	789.5		102.76	8.682
3,900.0	3,868.6	3,871.1	3,870.7	13.0	74.8	45.25	-326.5	-1,128.3	879.8	773.6		106.25	8.281
4,000.0	3,967.1	3,969.5	3,969.1	13.4	77.3	46.13	-325.4	-1,128.3	867.5	757.8		109.73	7.906
4,100.0	4,065.6	4,068.0	4,067.5	13.8	79.8	46.92	-325.9	-1,128.3	855.5	742.3		113.21	7.557
4,200.0	4,164.0	4,166.8	4,166.1	14.2	82.3	47.74	-326.5	-1,128.3	843.6	726.9		116.76	7.226
4,300.0	4,262.5	4,265.3	4,264.7	14.7	84.9	48.65	-326.0	-1,128.3	832.0	711.6		120.39	6.911
4,400.0	4,361.0	4,327.0	4,326.3	15.1	86.5	49.18	-326.5	-1,128.3	821.3	698.8		122.53	6.703 SF
4,457.1	4,417.2	4,327.0	4,326.3	15.3	86.5	49.18	-326.5	-1,128.3	819.3	697.4		121.93	6.720 CC, ES
4,500.0	4,459.5	4,327.0	4,326.3	15.5	86.5	49.18	-326.5	-1,128.3	820.5	699.4		121.11	6.775
4,545.2	4,504.0	4,327.0	4,326.3	15.7	86.5	49.18	-326.5	-1,128.3	824.1	704.2		119.91	6.872
4,600.0	4,558.0	4,327.0	4,326.3	15.9	86.5	49.24	-326.5	-1,128.3	831.9	713.9		118.03	7.048
4,700.0	4,656.8	4,327.0	4,326.3	16.4	86.5	49.42	-326.5	-1,128.3	855.9	742.3		113.59	7.535
4,800.0	4,755.8	4,327.0	4,326.3	16.8	86.5	49.72	-326.5	-1,128.3	891.6	783.4		108.20	8.241
4,900.0	4,855.1	4,327.0	4,326.3	17.2	86.5	50.11	-326.5	-1,128.3	937.7	835.4		102.30	9.166
5,000.0	4,954.6	4,327.0	4,326.3	17.6	86.5	50.62	-326.5	-1,128.3	992.6	896.3		96.30	10.308

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		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	4.1	4.1	3.0	3.0	-101.54	-95.9	-469.5	479.2	472.3	6.89	69.524	
100.0	100.0	104.1	104.1	3.1	3.1	-101.54	-95.9	-469.5	479.2	472.1	7.15	67.011	
200.0	200.0	204.1	204.1	3.2	3.5	-101.54	-95.9	-469.5	479.2	471.6	7.63	62.784	
300.0	300.0	304.1	304.1	3.4	4.1	-101.54	-95.9	-469.5	479.2	470.9	8.35	57.409	
400.0	400.0	404.1	404.1	3.5	5.5	-101.54	-95.9	-469.5	479.2	469.2	10.01	47.892	
440.4	440.4	444.5	444.5	3.5	6.1	-101.52	-95.7	-469.5	479.2	468.4	10.78	44.455	
500.0	500.0	504.0	504.0	3.6	7.0	-101.52	-95.7	-469.5	479.2	467.2	11.99	39.959	
600.0	600.0	604.1	604.1	3.7	8.7	-101.54	-95.9	-469.5	479.2	465.0	14.18	33.795	
700.0	700.0	704.1	704.1	3.9	10.6	-101.54	-95.9	-469.5	479.2	462.6	16.62	28.836	
733.9	733.9	738.0	738.0	3.9	11.2	-101.50	-95.5	-469.5	479.1	461.7	17.46	27.439	
800.0	800.0	803.9	803.9	4.0	12.4	-101.51	-95.6	-469.5	479.2	460.0	19.12	25.055	
900.0	900.0	904.1	904.1	4.1	14.4	-101.54	-95.9	-469.5	479.2	457.4	21.77	22.016	
1,000.0	1,000.0	1,004.1	1,004.1	4.2	16.5	-101.54	-95.9	-469.5	479.2	454.6	24.63	19.459	
1,031.2	1,031.2	1,035.2	1,035.2	4.3	17.1	-101.47	-95.2	-469.5	479.1	453.6	25.52	18.772	
1,100.0	1,100.0	1,103.6	1,103.6	4.3	18.6	-101.49	-95.5	-469.5	479.1	451.6	27.50	17.424	
1,200.0	1,200.0	1,204.2	1,204.1	4.5	20.7	-101.54	-95.9	-469.5	479.2	448.8	30.36	15.783	
1,300.0	1,300.0	1,304.2	1,304.1	4.6	23.0	-101.54	-95.9	-469.5	479.2	445.8	33.45	14.326	
1,400.0	1,400.0	1,404.2	1,404.1	4.7	25.2	-101.54	-95.9	-469.5	479.2	442.7	36.55	13.111	
1,439.5	1,439.5	1,443.6	1,443.5	4.7	26.1	-101.38	-94.5	-469.5	478.9	441.2	37.77	12.679	
1,500.0	1,500.0	1,503.8	1,503.7	4.8	27.4	-101.40	-94.7	-469.5	479.0	439.3	39.65	12.081	
1,600.0	1,600.0	1,603.4	1,603.3	5.0	29.7	36.66	-95.3	-469.5	477.7	435.1	42.56	11.224	
1,700.0	1,699.8	1,704.1	1,703.9	5.2	32.1	37.03	-95.9	-469.5	473.6	427.6	46.00	10.296	
1,800.0	1,799.5	1,803.4	1,803.2	5.5	34.8	37.82	-95.4	-469.5	466.6	416.8	49.74	9.380	
1,900.0	1,898.7	1,903.1	1,902.8	5.8	37.6	38.81	-95.9	-469.5	457.1	403.4	53.64	8.522	
2,000.0	1,997.5	2,001.1	2,000.8	6.1	40.6	40.28	-95.3	-469.5	444.9	387.1	57.76	7.701	
2,100.0	2,095.9	2,100.5	2,100.0	6.3	43.6	41.70	-95.9	-469.5	431.8	369.7	62.00	6.963	
2,200.0	2,194.4	2,198.9	2,198.4	6.6	46.6	43.44	-94.6	-469.5	418.7	352.5	66.23	6.323	
2,300.0	2,292.9	2,297.2	2,296.7	6.9	49.7	44.98	-95.5	-469.5	406.3	335.8	70.46	5.766	
2,400.0	2,391.4	2,396.2	2,395.5	7.2	52.8	46.71	-95.9	-469.5	394.1	319.3	74.78	5.270	
2,500.0	2,489.9	2,494.6	2,494.0	7.5	55.8	48.59	-95.9	-469.5	382.3	303.2	79.10	4.833	
2,600.0	2,588.3	2,593.2	2,592.5	7.9	58.9	50.97	-93.3	-469.5	371.0	287.6	83.42	4.448	
2,700.0	2,686.8	2,692.1	2,691.4	8.2	62.1	52.98	-94.1	-469.5	360.2	272.4	87.76	4.104	
2,800.0	2,785.3	2,791.3	2,790.5	8.6	65.2	54.97	-95.8	-469.5	349.7	257.6	92.11	3.797	
2,900.0	2,883.8	2,888.9	2,887.9	9.0	68.3	57.31	-95.9	-469.5	339.9	243.5	96.44	3.525	
3,000.0	2,982.3	2,987.6	2,986.6	9.3	71.4	60.05	-94.5	-469.5	331.0	230.2	100.81	3.284	
3,100.0	3,080.8	3,087.1	3,086.0	9.7	74.6	62.57	-95.3	-469.5	322.4	217.2	105.22	3.064	
3,200.0	3,179.2	3,184.6	3,183.3	10.1	77.9	65.22	-95.9	-469.5	314.5	204.7	109.85	2.863	
3,300.0	3,277.7	3,283.8	3,282.5	10.5	81.4	68.36	-94.6	-469.5	308.0	193.3	114.73	2.684	
3,400.0	3,376.2	3,381.9	3,380.3	10.9	84.9	71.14	-95.9	-469.5	301.4	181.9	119.54	2.522	
3,500.0	3,474.7	3,480.3	3,478.8	11.3	88.2	74.28	-95.9	-469.5	296.2	171.9	124.26	2.384	
3,600.0	3,573.2	3,579.4	3,577.8	11.7	91.7	77.88	-93.8	-469.5	292.9	163.9	129.00	2.270	
3,700.0	3,671.6	3,680.3	3,678.6	12.1	95.1	81.09	-94.9	-469.5	289.1	155.3	133.83	2.160	
3,800.0	3,770.1	3,776.1	3,774.2	12.6	98.3	84.21	-95.9	-469.5	286.3	148.0	138.28	2.070	
3,900.0	3,868.6	3,874.6	3,872.7	13.0	101.5	87.63	-95.9	-469.5	285.0	142.3	142.71	1.997 Advise and Monitor	
3,942.4	3,910.4	3,916.3	3,914.5	13.1	102.8	89.09	-95.9	-469.5	284.8	140.2	144.59	1.970 Advise and Monitor, CC	
4,000.0	3,967.1	3,974.3	3,972.3	13.4	104.7	91.36	-94.2	-469.5	286.0	138.8	147.19	1.943 Advise and Monitor	
4,100.0	4,065.6	4,075.1	4,073.2	13.8	107.9	94.70	-95.3	-469.5	286.1	134.4	151.72	1.886 Advise and Monitor	
4,200.0	4,164.0	4,170.3	4,168.1	14.2	110.9	97.90	-95.9	-469.5	287.6	131.7	155.93	1.844 Advise and Monitor	
4,300.0	4,262.5	4,271.3	4,269.0	14.7	114.1	101.42	-95.1	-469.5	291.2	130.8	160.32	1.816 Advise and Monitor, ES, SF	
4,400.0	4,361.0	4,335.0	4,332.7	15.1	116.0	103.45	-95.9	-469.5	296.2	134.1	162.13	1.827 Advise and Monitor	
4,500.0	4,459.5	4,335.0	4,332.7	15.5	116.0	103.45	-95.9	-469.5	326.7	177.0	149.71	2.182	
4,545.2	4,504.0	4,335.0	4,332.7	15.7	116.0	103.45	-95.9	-469.5	349.1	207.7	141.47	2.468	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,600.0	4,558.0	4,335.0	4,332.7	15.9	116.0	103.84	-95.9	-469.5	381.7	250.7	131.06	2.912		
4,700.0	4,656.8	4,335.0	4,332.7	16.4	116.0	104.81	-95.9	-469.5	452.1	338.8	113.39	3.988		
4,800.0	4,755.8	4,335.0	4,332.7	16.8	116.0	106.09	-95.9	-469.5	531.9	433.0	98.84	5.381		
4,900.0	4,855.1	4,335.0	4,332.7	17.2	116.0	107.67	-95.9	-469.5	617.3	530.0	87.33	7.069		
5,000.0	4,954.6	4,335.0	4,332.7	17.6	116.0	109.53	-95.9	-469.5	706.4	628.2	78.21	9.032		
5,100.0	5,054.2	4,335.0	4,332.7	17.9	116.0	111.64	-95.9	-469.5	797.8	726.9	70.88	11.255		
5,200.0	5,153.9	4,335.0	4,332.7	18.3	116.0	113.99	-95.9	-469.5	890.8	825.9	64.90	13.726		
5,300.0	5,253.8	4,335.0	4,332.7	18.6	116.0	116.52	-95.9	-469.5	985.0	925.1	59.93	16.437		

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #6 (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 500-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	11.0	11.0	3.0	3.0	108.26	-283.9	860.5	906.1	899.1	6.98	129.764	
100.0	100.0	111.0	111.0	3.1	3.2	108.26	-283.9	860.5	906.1	899.0	7.12	127.347	
200.0	200.0	211.0	211.0	3.2	3.6	108.26	-283.9	860.5	906.1	898.5	7.64	118.554	
300.0	300.0	311.0	311.0	3.4	4.2	108.26	-283.9	860.5	906.1	897.7	8.36	108.397	
400.0	400.0	411.0	411.0	3.5	4.8	108.26	-283.9	860.5	906.1	896.9	9.22	98.329	
500.0	500.0	511.0	511.0	3.6	5.7	108.26	-283.9	860.5	906.1	895.8	10.28	88.146	
600.0	600.0	611.0	611.0	3.7	7.4	108.26	-283.9	860.5	906.1	893.7	12.40	73.058	
700.0	700.0	711.0	711.0	3.9	9.1	108.26	-283.9	860.5	906.1	891.4	14.71	61.595	
741.3	741.3	752.3	752.3	3.9	9.9	108.23	-283.4	860.5	905.9	890.2	15.70	57.711	
800.0	800.0	810.7	810.7	4.0	11.0	108.23	-283.4	860.5	905.9	888.8	17.12	52.924	
900.0	900.0	910.2	910.2	4.1	12.8	108.24	-283.6	860.5	906.0	886.4	19.59	46.259	
1,000.0	1,000.0	1,011.0	1,011.0	4.2	14.7	108.26	-283.9	860.5	906.1	884.0	22.06	41.071	
1,100.0	1,100.0	1,111.0	1,111.0	4.3	16.8	108.26	-283.9	860.5	906.1	881.1	24.97	36.288	
1,200.0	1,200.0	1,211.0	1,211.0	4.5	19.0	108.26	-283.9	860.5	906.1	878.2	27.90	32.471	
1,241.3	1,241.3	1,252.3	1,252.3	4.5	19.8	108.21	-283.1	860.5	905.8	876.7	29.12	31.105 CC	
1,300.0	1,300.0	1,310.6	1,310.5	4.6	21.1	108.21	-283.2	860.5	905.9	875.0	30.84	29.369	
1,400.0	1,400.0	1,409.9	1,409.8	4.7	23.2	108.23	-283.4	860.5	906.0	872.2	33.79	26.811	
1,500.0	1,500.0	1,511.1	1,511.0	4.8	25.5	108.26	-283.9	860.5	906.1	869.2	36.87	24.575	
1,600.0	1,600.0	1,611.1	1,611.0	5.0	28.0	-113.83	-283.9	860.5	906.8	866.6	40.25	22.527	
1,700.0	1,699.8	1,709.4	1,709.2	5.2	30.6	-114.13	-283.2	860.5	908.7	864.9	43.80	20.745 ES	
1,800.0	1,799.5	1,810.7	1,810.5	5.5	33.2	-114.52	-283.9	860.5	912.5	865.0	47.49	19.216	
1,900.0	1,898.7	1,910.0	1,909.7	5.8	35.9	-115.12	-283.9	860.5	917.7	866.5	51.17	17.933	
2,000.0	1,997.5	2,008.7	2,008.4	6.1	38.5	-115.97	-282.0	860.5	924.0	869.1	54.84	16.847	
2,100.0	2,095.9	2,105.4	2,105.0	6.3	41.1	-116.88	-282.5	860.5	931.9	873.5	58.44	15.946	
2,200.0	2,194.4	2,202.3	2,201.9	6.6	43.7	-117.73	-283.6	860.5	940.3	878.2	62.05	15.153	
2,300.0	2,292.9	2,304.4	2,303.9	6.9	46.3	-118.66	-283.9	860.5	948.6	883.0	65.66	14.447	
2,400.0	2,391.4	2,401.8	2,401.4	7.2	48.7	-119.60	-283.2	860.5	957.0	888.0	69.08	13.855	
2,500.0	2,489.9	2,501.4	2,500.9	7.5	51.3	-120.45	-283.9	860.5	966.0	893.3	72.69	13.290	
2,600.0	2,588.3	2,599.7	2,599.1	7.9	54.1	-121.36	-283.2	860.5	974.9	898.2	76.68	12.714	
2,700.0	2,686.8	2,696.4	2,695.8	8.2	56.9	-122.16	-283.9	860.5	984.2	903.6	80.61	12.210	
2,800.0	2,785.3	2,797.0	2,796.3	8.6	60.1	-123.01	-283.9	860.5	993.7	908.7	85.00	11.690 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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program:		0-r.5 SDI_KPR_ADK, 1500-r.5 MWD+IFR1, 11378-r.5 MWD+IFR1+MS						Rule Assigned:		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		
7,400.0	7,353.7	7,763.9	7,546.1	19.8	32.5	-59.11	80.3	-1,228.5	994.3	949.4	44.82	22.182		
7,500.0	7,453.7	7,841.3	7,622.6	19.8	32.8	-58.69	81.5	-1,216.6	981.9	936.9	45.00	21.819		
7,600.0	7,553.7	7,919.3	7,699.9	19.9	33.2	-58.33	82.6	-1,206.7	971.7	926.5	45.16	21.515		
7,700.0	7,653.7	8,000.0	7,780.2	19.9	33.5	-58.03	83.5	-1,198.6	963.7	918.4	45.33	21.259		
7,800.0	7,753.7	8,076.7	7,856.7	20.0	33.8	-57.83	84.1	-1,193.0	957.9	912.5	45.43	21.086		
7,900.0	7,853.7	8,155.9	7,935.8	20.0	34.1	-57.69	84.4	-1,189.4	954.3	908.8	45.52	20.964		
8,000.0	7,953.7	8,235.2	8,015.1	20.0	34.3	-57.64	84.6	-1,187.9	952.9	907.3	45.55	20.921		
8,039.8	7,993.5	8,271.7	8,051.5	20.0	34.3	-57.63	84.6	-1,187.9	952.8	907.3	45.55	20.919		
8,100.0	8,053.7	8,331.8	8,111.7	20.1	34.3	-57.63	84.6	-1,187.9	952.8	907.3	45.58	20.903		
8,200.0	8,153.7	8,431.8	8,211.7	20.1	34.3	-57.63	84.6	-1,187.9	952.8	907.2	45.65	20.873		
8,300.0	8,253.7	8,531.8	8,311.7	20.1	34.3	-57.63	84.6	-1,187.9	952.8	907.1	45.71	20.843		
8,400.0	8,353.7	8,631.8	8,411.7	20.2	34.4	-57.63	84.6	-1,187.9	952.8	907.1	45.78	20.813		
8,500.0	8,453.7	8,731.8	8,511.7	20.2	34.4	-57.63	84.6	-1,187.9	952.8	907.0	45.85	20.782		
8,600.0	8,553.7	8,831.8	8,611.7	20.2	34.4	-57.63	84.6	-1,187.9	952.8	906.9	45.92	20.752		
8,700.0	8,653.7	8,931.8	8,711.7	20.3	34.4	-57.63	84.6	-1,187.9	952.8	906.9	45.98	20.721		
8,800.0	8,753.7	9,031.8	8,811.7	20.3	34.4	-57.63	84.6	-1,187.9	952.8	906.8	46.05	20.690		
8,900.0	8,853.7	9,131.8	8,911.7	20.3	34.5	-57.63	84.6	-1,187.9	952.8	906.7	46.12	20.659		
9,000.0	8,953.7	9,231.8	9,011.7	20.4	34.5	-57.63	84.6	-1,187.9	952.8	906.6	46.19	20.628		
9,100.0	9,053.7	9,331.8	9,111.7	20.4	34.5	-57.63	84.6	-1,187.9	952.8	906.6	46.26	20.597		
9,200.0	9,153.7	9,431.8	9,211.7	20.5	34.5	-57.63	84.6	-1,187.9	952.8	906.5	46.33	20.566		
9,300.0	9,253.7	9,531.8	9,311.7	20.5	34.6	-57.63	84.6	-1,187.9	952.8	906.4	46.40	20.534		
9,400.0	9,353.7	9,631.8	9,411.7	20.5	34.6	-57.63	84.6	-1,187.9	952.8	906.4	46.47	20.503		
9,500.0	9,453.7	9,731.8	9,511.7	20.6	34.6	-57.63	84.6	-1,187.9	952.8	906.3	46.54	20.471		
9,600.0	9,553.7	9,831.8	9,611.7	20.6	34.6	-57.63	84.6	-1,187.9	952.8	906.2	46.62	20.440		
9,700.0	9,653.7	9,931.8	9,711.7	20.7	34.7	-57.63	84.6	-1,187.9	952.8	906.1	46.69	20.408		
9,800.0	9,753.7	10,031.8	9,811.7	20.7	34.7	-57.63	84.6	-1,187.9	952.8	906.1	46.76	20.376		
9,900.0	9,853.7	10,131.8	9,911.7	20.7	34.7	-57.63	84.6	-1,187.9	952.8	906.0	46.84	20.344		
10,000.0	9,953.7	10,231.8	10,011.7	20.8	34.7	-57.63	84.6	-1,187.9	952.8	905.9	46.91	20.312		
10,100.0	10,053.7	10,331.8	10,111.7	20.8	34.8	-57.63	84.6	-1,187.9	952.8	905.9	46.98	20.280		
10,200.0	10,153.7	10,431.8	10,211.7	20.9	34.8	-57.63	84.6	-1,187.9	952.8	905.8	47.06	20.248		
10,300.0	10,253.7	10,531.8	10,311.7	20.9	34.8	-57.63	84.6	-1,187.9	952.8	905.7	47.13	20.215		
10,400.0	10,353.7	10,631.8	10,411.7	20.9	34.9	-57.63	84.6	-1,187.9	952.8	905.6	47.21	20.183		
10,500.0	10,453.7	10,731.8	10,511.7	21.0	34.9	-57.63	84.6	-1,187.9	952.8	905.5	47.29	20.150		
10,600.0	10,553.7	10,831.8	10,611.7	21.0	34.9	-57.63	84.6	-1,187.9	952.8	905.5	47.36	20.118		
10,700.0	10,653.7	10,931.8	10,711.7	21.1	34.9	-57.63	84.6	-1,187.9	952.8	905.4	47.44	20.085		
10,800.0	10,753.7	11,031.8	10,811.7	21.1	35.0	-57.63	84.6	-1,187.9	952.8	905.3	47.52	20.052		
10,900.0	10,853.7	11,131.8	10,911.7	21.1	35.0	-57.63	84.6	-1,187.9	952.8	905.2	47.60	20.019		
11,000.0	10,953.7	11,231.8	11,011.7	21.2	35.0	-57.63	84.6	-1,187.9	952.8	905.2	47.67	19.987		
11,100.0	11,053.7	11,331.8	11,111.7	21.2	35.0	-57.63	84.6	-1,187.9	952.8	905.1	47.75	19.955		
11,110.0	11,063.7	11,341.8	11,121.7	21.2	35.0	-57.63	84.6	-1,187.9	952.8	905.1	47.76	19.952 CC, ES, SF		
11,200.0	11,153.7	11,400.0	11,179.9	21.3	35.1	-57.61	85.1	-1,187.9	953.7	906.1	47.55	20.056		
11,300.0	11,253.7	11,450.0	11,229.6	21.3	35.1	-57.36	90.1	-1,188.0	959.3	912.2	47.12	20.358		
11,400.0	11,353.7	11,500.0	11,278.6	21.4	35.1	-56.85	100.2	-1,188.1	970.6	923.9	46.65	20.804		
11,479.8	11,433.5	11,532.3	11,309.5	21.4	35.1	-56.40	109.4	-1,188.1	983.5	937.3	46.24	21.270		
11,500.0	11,453.7	11,540.9	11,317.6	21.4	35.1	123.71	112.2	-1,188.2	987.6	941.7	45.91	21.511		
11,525.0	11,478.7	11,550.0	11,326.2	21.4	35.1	123.27	115.4	-1,188.2	993.6	947.9	45.76	21.712		

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK_1500-r.5 MWD+IFR1_11391-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
12,175.0	11,907.9	11,825.0	11,534.2	21.8	36.5	62.34	-1,172.8	-1,226.5	995.0	945.3	49.65	20.038	
12,200.0	11,910.1	11,835.6	11,540.6	21.8	36.5	63.41	-1,181.2	-1,226.4	988.1	938.2	49.83	19.830	
12,225.0	11,911.0	11,850.0	11,549.0	21.8	36.5	64.65	-1,192.9	-1,226.4	981.0	931.0	50.00	19.618	
12,229.8	11,911.0	11,850.0	11,549.0	21.8	36.5	64.81	-1,192.9	-1,226.4	979.6	929.5	50.04	19.575	
12,300.0	11,911.0	11,875.0	11,562.8	21.9	36.6	65.57	-1,213.7	-1,226.2	960.8	910.2	50.58	18.995	
12,400.0	11,911.0	11,925.0	11,586.9	22.0	36.6	66.94	-1,257.5	-1,225.9	939.1	887.7	51.37	18.281	
12,500.0	11,911.0	11,975.0	11,606.4	22.1	36.6	68.07	-1,303.5	-1,225.6	922.9	870.8	52.15	17.697	
12,600.0	11,911.0	12,025.0	11,621.0	22.2	36.6	68.92	-1,351.3	-1,225.3	912.0	859.1	52.90	17.238	
12,700.0	11,911.0	12,088.4	11,632.1	22.4	36.7	69.57	-1,413.6	-1,224.9	905.8	852.3	53.58	16.907	
12,787.6	11,911.0	12,141.0	11,635.0	22.5	36.7	69.75	-1,466.2	-1,224.6	904.1	850.0	54.11	16.708 CC	
12,800.0	11,911.0	12,153.5	11,635.0	22.5	36.7	69.75	-1,478.6	-1,224.5	904.1	850.0	54.17	16.691	
12,900.0	11,911.0	12,253.5	11,635.0	22.8	36.8	69.75	-1,578.6	-1,223.8	904.1	849.5	54.65	16.543	
13,000.0	11,911.0	12,353.5	11,635.0	23.0	36.9	69.75	-1,678.6	-1,223.2	904.1	849.0	55.18	16.386	
13,100.0	11,911.0	12,453.5	11,635.0	23.2	37.1	69.75	-1,778.6	-1,222.5	904.1	848.4	55.74	16.222	
13,200.0	11,911.0	12,553.5	11,635.0	23.5	37.2	69.75	-1,878.6	-1,221.9	904.1	847.8	56.33	16.051	
13,300.0	11,911.0	12,653.5	11,635.0	23.8	37.4	69.75	-1,978.6	-1,221.2	904.1	847.2	56.96	15.874	
13,400.0	11,911.0	12,753.5	11,635.0	24.2	37.5	69.75	-2,078.6	-1,220.6	904.1	846.5	57.62	15.692	
13,500.0	11,911.0	12,853.5	11,635.0	24.6	37.7	69.75	-2,178.6	-1,219.9	904.1	845.8	58.31	15.505	
13,600.0	11,911.0	12,953.5	11,635.0	25.0	37.9	69.75	-2,278.6	-1,219.3	904.1	845.1	59.04	15.315	
13,700.0	11,911.0	13,053.5	11,635.0	25.4	38.1	69.75	-2,378.6	-1,218.6	904.1	844.4	59.79	15.122	
13,800.0	11,911.0	13,153.5	11,635.0	25.8	38.4	69.75	-2,478.6	-1,218.0	904.1	843.6	60.57	14.926	
13,900.0	11,911.0	13,253.5	11,635.0	26.3	38.6	69.75	-2,578.6	-1,217.3	904.1	842.8	61.38	14.729	
14,000.0	11,911.0	13,353.5	11,635.0	26.8	38.9	69.75	-2,678.6	-1,216.7	904.1	841.9	62.22	14.532	
14,100.0	11,911.0	13,453.5	11,635.0	27.3	39.2	69.75	-2,778.6	-1,216.0	904.1	841.1	63.08	14.333	
14,200.0	11,911.0	13,553.5	11,635.0	27.8	39.5	69.75	-2,878.6	-1,215.4	904.1	840.2	63.97	14.135	
14,300.0	11,911.0	13,653.5	11,635.0	28.4	39.8	69.75	-2,978.6	-1,214.7	904.1	839.3	64.88	13.937	
14,400.0	11,911.0	13,753.5	11,635.0	28.9	40.1	69.75	-3,078.6	-1,214.1	904.2	838.3	65.81	13.740	
14,500.0	11,911.0	13,853.5	11,635.0	29.5	40.4	69.75	-3,178.6	-1,213.4	904.2	837.4	66.76	13.544	
14,600.0	11,911.0	13,953.5	11,635.0	30.1	40.8	69.75	-3,278.6	-1,212.8	904.2	836.4	67.73	13.349	
14,700.0	11,911.0	14,053.5	11,635.0	30.6	41.2	69.75	-3,378.6	-1,212.1	904.2	835.4	68.72	13.156	
14,800.0	11,911.0	14,153.5	11,635.0	31.2	41.5	69.75	-3,478.6	-1,211.5	904.2	834.4	69.74	12.965	
14,900.0	11,911.0	14,253.5	11,635.0	31.8	41.9	69.75	-3,578.6	-1,210.8	904.2	833.4	70.76	12.777	
15,000.0	11,911.0	14,353.5	11,635.0	32.5	42.3	69.75	-3,678.6	-1,210.2	904.2	832.3	71.81	12.591	
15,100.0	11,911.0	14,453.5	11,635.0	33.1	42.7	69.75	-3,778.6	-1,209.5	904.2	831.3	72.87	12.407	
15,200.0	11,911.0	14,553.5	11,635.0	33.7	43.2	69.75	-3,878.6	-1,208.9	904.2	830.2	73.95	12.226	
15,300.0	11,911.0	14,653.5	11,635.0	34.4	43.6	69.75	-3,978.6	-1,208.2	904.2	829.1	75.05	12.048	
15,400.0	11,911.0	14,753.5	11,635.0	35.0	44.0	69.75	-4,078.6	-1,207.6	904.2	828.0	76.15	11.873	
15,500.0	11,911.0	14,853.5	11,635.0	35.7	44.5	69.75	-4,178.6	-1,206.9	904.2	826.9	77.27	11.701	
15,600.0	11,911.0	14,953.5	11,635.0	36.3	45.0	69.75	-4,278.6	-1,206.3	904.2	825.7	78.41	11.531	
15,700.0	11,911.0	15,053.5	11,635.0	37.0	45.4	69.75	-4,378.6	-1,205.6	904.2	824.6	79.56	11.365	
15,800.0	11,911.0	15,153.5	11,635.0	37.6	45.9	69.75	-4,478.6	-1,205.0	904.2	823.4	80.71	11.202	
15,900.0	11,911.0	15,253.5	11,635.0	38.3	46.4	69.75	-4,578.6	-1,204.3	904.2	822.3	81.89	11.042	
16,000.0	11,911.0	15,353.5	11,635.0	39.0	46.9	69.75	-4,678.6	-1,203.7	904.2	821.1	83.07	10.885	
16,100.0	11,911.0	15,453.5	11,635.0	39.6	47.4	69.75	-4,778.6	-1,203.0	904.2	819.9	84.26	10.731	
16,200.0	11,911.0	15,553.5	11,635.0	40.3	47.9	69.75	-4,878.6	-1,202.4	904.2	818.7	85.46	10.580	
16,300.0	11,911.0	15,653.5	11,635.0	41.0	48.5	69.75	-4,978.6	-1,201.7	904.2	817.5	86.67	10.432	
16,400.0	11,911.0	15,753.5	11,635.0	41.7	49.0	69.75	-5,078.6	-1,201.1	904.2	816.3	87.90	10.287	
16,500.0	11,911.0	15,853.5	11,635.0	42.4	49.5	69.75	-5,178.6	-1,200.4	904.2	815.0	89.13	10.145	
16,600.0	11,911.0	15,953.5	11,635.0	43.1	50.1	69.75	-5,278.6	-1,199.8	904.2	813.8	90.36	10.006	
16,700.0	11,911.0	16,053.5	11,635.0	43.8	50.6	69.75	-5,378.6	-1,199.1	904.2	812.6	91.61	9.870	
16,800.0	11,911.0	16,153.5	11,635.0	44.5	51.2	69.75	-5,478.6	-1,198.5	904.2	811.3	92.87	9.736	
16,900.0	11,911.0	16,253.5	11,635.0	45.2	51.7	69.75	-5,578.5	-1,197.8	904.2	810.0	94.13	9.606	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK, 1500-r.5 MWD+IFR1, 11391-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)			
17,000.0	11,911.0	16,353.5	11,635.0	45.9	52.3	69.75	-5,678.5	-1,197.2	904.2	808.8	95.40	9.478	
17,100.0	11,911.0	16,453.5	11,635.0	46.6	52.9	69.75	-5,778.5	-1,196.5	904.2	807.5	96.67	9.353	
17,200.0	11,911.0	16,553.5	11,635.0	47.3	53.4	69.75	-5,878.5	-1,195.9	904.2	806.2	97.96	9.230	
17,300.0	11,911.0	16,653.5	11,635.0	48.0	54.0	69.75	-5,978.5	-1,195.2	904.2	804.9	99.25	9.110	
17,400.0	11,911.0	16,753.5	11,635.0	48.7	54.6	69.75	-6,078.5	-1,194.6	904.2	803.6	100.54	8.993	
17,500.0	11,911.0	16,853.5	11,635.0	49.4	55.2	69.75	-6,178.5	-1,193.9	904.2	802.3	101.84	8.878	
17,600.0	11,911.0	16,953.5	11,635.0	50.1	55.8	69.75	-6,278.5	-1,193.2	904.2	801.0	103.15	8.765	
17,700.0	11,911.0	17,053.5	11,635.0	50.8	56.4	69.75	-6,378.5	-1,192.6	904.2	799.7	104.47	8.655	
17,800.0	11,911.0	17,153.5	11,635.0	51.6	57.0	69.75	-6,478.5	-1,191.9	904.2	798.4	105.78	8.547	
17,900.0	11,911.0	17,253.5	11,635.0	52.3	57.6	69.75	-6,578.5	-1,191.3	904.2	797.1	107.11	8.442	
18,000.0	11,911.0	17,353.5	11,635.0	53.0	58.2	69.75	-6,678.5	-1,190.6	904.2	795.7	108.44	8.338	
18,100.0	11,911.0	17,453.5	11,635.0	53.7	58.8	69.75	-6,778.5	-1,190.0	904.2	794.4	109.77	8.237	
18,200.0	11,911.0	17,553.5	11,635.0	54.4	59.5	69.75	-6,878.5	-1,189.3	904.2	793.1	111.11	8.138	
18,300.0	11,911.0	17,653.5	11,635.0	55.1	60.1	69.75	-6,978.5	-1,188.7	904.2	791.7	112.45	8.041	
18,400.0	11,911.0	17,753.5	11,635.0	55.9	60.7	69.75	-7,078.5	-1,188.0	904.2	790.4	113.79	7.946	
18,500.0	11,911.0	17,853.5	11,635.0	56.6	61.3	69.75	-7,178.5	-1,187.4	904.2	789.0	115.14	7.853	
18,600.0	11,911.0	17,953.5	11,635.0	57.3	62.0	69.75	-7,278.5	-1,186.7	904.2	787.7	116.50	7.761	
18,700.0	11,911.0	18,053.5	11,635.0	58.0	62.6	69.75	-7,378.5	-1,186.1	904.2	786.3	117.86	7.672	
18,800.0	11,911.0	18,153.5	11,635.0	58.8	63.3	69.75	-7,478.5	-1,185.4	904.2	785.0	119.22	7.584	
18,900.0	11,911.0	18,253.5	11,635.0	59.5	63.9	69.75	-7,578.5	-1,184.8	904.2	783.6	120.58	7.498	
19,000.0	11,911.0	18,353.5	11,635.0	60.2	64.5	69.75	-7,678.5	-1,184.1	904.2	782.2	121.95	7.414	
19,100.0	11,911.0	18,453.5	11,635.0	61.0	65.2	69.75	-7,778.5	-1,183.5	904.2	780.9	123.32	7.332	
19,200.0	11,911.0	18,553.5	11,635.0	61.7	65.8	69.75	-7,878.5	-1,182.8	904.2	779.5	124.70	7.251	
19,300.0	11,911.0	18,653.5	11,635.0	62.4	66.5	69.75	-7,978.5	-1,182.2	904.2	778.1	126.08	7.172	
19,400.0	11,911.0	18,753.5	11,635.0	63.2	67.1	69.75	-8,078.5	-1,181.5	904.2	776.7	127.46	7.094	
19,500.0	11,911.0	18,853.5	11,635.0	63.9	67.8	69.75	-8,178.5	-1,180.9	904.2	775.3	128.84	7.018	
19,600.0	11,911.0	18,953.5	11,635.0	64.6	68.5	69.75	-8,278.5	-1,180.2	904.2	773.9	130.23	6.943	
19,700.0	11,911.0	19,053.5	11,635.0	65.4	69.1	69.75	-8,378.5	-1,179.6	904.2	772.6	131.62	6.870	
19,800.0	11,911.0	19,153.5	11,635.0	66.1	69.8	69.75	-8,478.5	-1,178.9	904.2	771.2	133.01	6.798	
19,900.0	11,911.0	19,253.5	11,635.0	66.8	70.4	69.75	-8,578.5	-1,178.3	904.2	769.8	134.41	6.727	
20,000.0	11,911.0	19,353.5	11,635.0	67.6	71.1	69.75	-8,678.5	-1,177.6	904.2	768.4	135.80	6.658	
20,100.0	11,911.0	19,453.5	11,635.0	68.3	71.8	69.75	-8,778.5	-1,177.0	904.2	767.0	137.20	6.590	
20,200.0	11,911.0	19,553.5	11,635.0	69.0	72.5	69.75	-8,878.5	-1,176.3	904.2	765.6	138.61	6.523	
20,300.0	11,911.0	19,653.5	11,635.0	69.8	73.1	69.75	-8,978.5	-1,175.7	904.2	764.2	140.01	6.458	
20,400.0	11,911.0	19,753.5	11,635.0	70.5	73.8	69.75	-9,078.5	-1,175.0	904.2	762.8	141.42	6.394	
20,500.0	11,911.0	19,853.5	11,635.0	71.3	74.5	69.75	-9,178.5	-1,174.4	904.2	761.4	142.83	6.331	
20,600.0	11,911.0	19,953.5	11,635.0	72.0	75.2	69.75	-9,278.5	-1,173.7	904.2	759.9	144.24	6.269	
20,700.0	11,911.0	20,053.5	11,635.0	72.7	75.8	69.75	-9,378.5	-1,173.1	904.2	758.5	145.65	6.208	
20,800.0	11,911.0	20,153.5	11,635.0	73.5	76.5	69.75	-9,478.5	-1,172.4	904.2	757.1	147.06	6.148	
20,900.0	11,911.0	20,253.5	11,635.0	74.2	77.2	69.75	-9,578.5	-1,171.8	904.2	755.7	148.48	6.090	
21,000.0	11,911.0	20,353.5	11,635.0	75.0	77.9	69.75	-9,678.5	-1,171.1	904.2	754.3	149.90	6.032	
21,100.0	11,911.0	20,453.5	11,635.0	75.7	78.6	69.75	-9,778.5	-1,170.5	904.2	752.9	151.32	5.975	
21,200.0	11,911.0	20,553.5	11,635.0	76.5	79.3	69.75	-9,878.5	-1,169.8	904.2	751.4	152.74	5.920	
21,300.0	11,911.0	20,653.5	11,635.0	77.2	80.0	69.75	-9,978.5	-1,169.2	904.2	750.0	154.16	5.865	
21,359.6	11,911.0	20,713.1	11,635.0	77.6	80.4	69.75	-10,038.1	-1,168.8	904.2	749.2	155.01	5.833	
21,400.0	11,911.0	20,753.5	11,635.0	77.9	80.6	69.75	-10,078.5	-1,168.5	904.2	748.6	155.59	5.812	
21,409.6	11,911.0	20,763.1	11,635.0	78.0	80.7	69.75	-10,088.1	-1,168.5	904.2	748.5	155.72	5.806 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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	24.90	184.2	85.5	203.0	196.1	6.98	29.086	
100.0	100.0	99.0	99.0	3.1	3.1	24.90	184.2	85.5	203.0	195.8	7.23	28.101	
200.0	200.0	199.0	199.0	3.2	3.2	24.90	184.2	85.5	203.0	195.6	7.47	27.181	
300.0	300.0	299.0	299.0	3.4	3.4	24.90	184.2	85.5	203.0	195.3	7.71	26.332	
400.0	400.0	399.0	399.0	3.5	3.5	24.90	184.2	85.5	203.0	195.1	7.95	25.543	
500.0	500.0	499.0	499.0	3.6	3.6	24.90	184.2	85.5	203.0	194.9	8.18	24.807	
600.0	600.0	599.0	599.0	3.7	3.7	24.90	184.2	85.5	203.0	194.6	8.42	24.119	
700.0	700.0	699.0	699.0	3.9	3.9	24.90	184.2	85.5	203.0	194.4	8.65	23.472	
800.0	800.0	799.0	799.0	4.0	4.0	24.90	184.2	85.5	203.0	194.2	8.88	22.864	
900.0	900.0	899.0	899.0	4.1	4.1	24.90	184.2	85.5	203.0	193.9	9.11	22.291	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	24.90	184.2	85.5	203.0	193.7	9.34	21.749	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	24.90	184.2	85.5	203.0	193.5	9.56	21.236	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	24.90	184.2	85.5	203.0	193.3	9.79	20.749	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	24.90	184.2	85.5	203.0	193.0	10.01	20.286	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	24.90	184.2	85.5	203.0	192.8	10.23	19.846	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	24.90	184.2	85.5	203.0	192.6	10.45	19.426 CC, ES	
1,600.0	1,600.0	1,602.4	1,602.4	5.0	4.9	162.59	184.1	83.7	203.9	193.5	10.42	19.558	
1,700.0	1,699.8	1,705.7	1,705.5	5.2	5.1	161.66	183.8	78.1	206.4	195.6	10.85	19.020	
1,800.0	1,799.5	1,808.7	1,808.1	5.5	5.3	160.15	183.3	68.9	210.7	199.4	11.29	18.669	
1,900.0	1,898.7	1,911.4	1,910.0	5.8	5.6	158.15	182.6	56.0	217.0	205.2	11.73	18.497 SF	
2,000.0	1,997.5	2,013.7	2,010.9	6.1	6.0	155.74	181.8	39.6	225.3	213.2	12.18	18.506	
2,100.0	2,095.9	2,115.0	2,110.3	6.3	6.3	152.96	180.7	19.9	234.5	221.9	12.55	18.678	
2,200.0	2,194.4	2,213.9	2,207.0	6.6	6.6	150.16	179.7	-0.7	243.7	230.8	12.93	18.855	
2,300.0	2,292.9	2,312.8	2,303.8	6.9	6.9	147.58	178.6	-21.2	253.6	240.2	13.31	19.054	
2,400.0	2,391.4	2,411.7	2,400.5	7.2	7.2	145.19	177.5	-41.7	263.8	250.1	13.69	19.271	
2,500.0	2,489.9	2,510.6	2,497.2	7.5	7.6	142.98	176.4	-62.3	274.6	260.5	14.08	19.502	
2,600.0	2,588.3	2,609.4	2,593.9	7.9	7.9	140.94	175.4	-82.8	285.6	271.2	14.47	19.743	
2,700.0	2,686.8	2,708.3	2,690.6	8.2	8.3	139.05	174.3	-103.3	297.1	282.2	14.86	19.991	
2,800.0	2,785.3	2,807.2	2,787.4	8.6	8.6	137.30	173.2	-123.9	308.8	293.5	15.26	20.242	
2,900.0	2,883.8	2,906.1	2,884.1	9.0	9.0	135.68	172.1	-144.4	320.8	305.1	15.65	20.493	
3,000.0	2,982.3	3,005.0	2,980.8	9.3	9.4	134.18	171.0	-164.9	333.0	317.0	16.05	20.743	
3,100.0	3,080.8	3,103.8	3,077.5	9.7	9.8	132.78	170.0	-185.5	345.5	329.0	16.46	20.990	
3,200.0	3,179.2	3,202.7	3,174.3	10.1	10.2	131.48	168.9	-206.0	358.1	341.2	16.87	21.231	
3,300.0	3,277.7	3,301.6	3,271.0	10.5	10.6	130.27	167.8	-226.5	370.9	353.6	17.28	21.467	
3,400.0	3,376.2	3,400.5	3,367.7	10.9	11.1	129.14	166.7	-247.0	383.8	366.1	17.69	21.696	
3,500.0	3,474.7	3,499.4	3,464.4	11.3	11.5	128.08	165.7	-267.6	396.9	378.8	18.11	21.918	
3,600.0	3,573.2	3,598.3	3,561.1	11.7	11.9	127.09	164.6	-288.1	410.1	391.6	18.53	22.132	
3,700.0	3,671.6	3,697.1	3,657.9	12.1	12.3	126.17	163.5	-308.6	423.4	404.5	18.96	22.338	
3,800.0	3,770.1	3,796.0	3,754.6	12.6	12.7	125.30	162.4	-329.2	436.9	417.5	19.39	22.536	
3,900.0	3,868.6	3,894.9	3,851.3	13.0	13.2	124.48	161.4	-349.7	450.4	430.6	19.82	22.726	
4,000.0	3,967.1	3,993.8	3,948.0	13.4	13.6	123.71	160.3	-370.2	464.0	443.7	20.25	22.908	
4,100.0	4,065.6	4,092.7	4,044.7	13.8	14.1	122.98	159.2	-390.8	477.7	457.0	20.69	23.082	
4,200.0	4,164.0	4,191.5	4,141.5	14.2	14.5	122.29	158.1	-411.3	491.4	470.3	21.14	23.249	
4,300.0	4,262.5	4,290.4	4,238.2	14.7	14.9	121.64	157.1	-431.8	505.3	483.7	21.58	23.408	
4,400.0	4,361.0	4,389.3	4,334.9	15.1	15.4	121.03	156.0	-452.3	519.1	497.1	22.03	23.560	
4,500.0	4,459.5	4,488.2	4,431.6	15.5	15.8	120.45	154.9	-472.9	533.1	510.6	22.49	23.705	
4,545.2	4,504.0	4,532.9	4,475.3	15.7	16.0	120.19	154.4	-482.2	539.4	516.7	22.68	23.787	
4,600.0	4,558.0	4,587.1	4,528.3	15.9	16.3	119.94	153.8	-493.4	546.9	524.0	22.91	23.878	
4,700.0	4,656.8	4,686.0	4,625.1	16.4	16.7	119.36	152.8	-513.9	560.1	536.7	23.35	23.987	
4,800.0	4,755.8	4,784.9	4,721.8	16.8	17.2	118.66	151.7	-534.5	572.5	548.7	23.78	24.071	
4,900.0	4,855.1	4,883.8	4,818.6	17.2	17.6	117.84	150.6	-555.0	584.2	560.0	24.21	24.132	
5,000.0	4,954.6	4,982.6	4,915.2	17.6	18.1	116.90	149.5	-575.5	595.3	570.6	24.63	24.171	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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	5,054.2	5,081.3	5,011.8	17.9	18.5	115.85	148.5	-596.0	605.7	580.7	25.04	24.190	
5,200.0	5,153.9	5,179.9	5,108.2	18.3	19.0	114.69	147.4	-616.5	615.7	590.3	25.46	24.188	
5,300.0	5,253.8	5,278.3	5,204.5	18.6	19.4	113.43	146.3	-636.9	625.3	599.5	25.88	24.167	
5,400.0	5,353.7	5,376.8	5,300.9	18.9	19.9	112.06	145.2	-657.4	634.6	608.3	26.29	24.140	
5,500.0	5,453.7	5,479.8	5,401.7	19.2	20.3	110.60	144.2	-677.7	643.3	616.6	26.73	24.063	
5,545.2	5,498.9	5,526.4	5,447.6	19.3	20.5	-28.05	143.7	-686.4	646.9	620.0	26.91	24.040	
5,600.0	5,553.7	5,583.2	5,503.4	19.3	20.8	-28.85	143.2	-696.4	651.1	624.0	27.11	24.014	
5,700.0	5,653.7	5,687.2	5,606.1	19.3	21.2	-30.18	142.3	-713.3	658.5	630.9	27.53	23.921	
5,800.0	5,753.7	5,791.8	5,709.6	19.3	21.7	-31.34	141.5	-728.4	665.2	637.3	27.94	23.808	
5,900.0	5,853.7	5,897.0	5,813.9	19.3	22.1	-32.34	140.8	-741.6	671.4	643.0	28.35	23.680	
6,000.0	5,953.7	6,002.6	5,918.9	19.4	22.5	-33.18	140.2	-753.1	676.8	648.0	28.75	23.541	
6,100.0	6,053.7	6,108.6	6,024.5	19.4	23.0	-33.88	139.7	-762.6	681.4	652.2	29.12	23.395	
6,200.0	6,153.7	6,214.9	6,130.5	19.4	23.3	-34.42	139.3	-770.1	685.1	655.6	29.47	23.244	
6,300.0	6,253.7	6,321.5	6,236.9	19.5	23.7	-34.82	139.0	-775.8	687.8	658.0	29.79	23.091	
6,400.0	6,353.7	6,428.2	6,343.6	19.5	24.0	-35.08	138.8	-779.4	689.6	659.6	30.06	22.942	
6,500.0	6,453.7	6,535.0	6,450.4	19.5	24.3	-35.20	138.8	-781.1	690.5	660.2	30.26	22.818	
6,600.0	6,553.7	6,637.3	6,552.7	19.6	24.3	-35.20	138.7	-781.2	690.5	660.2	30.35	22.753	
6,700.0	6,653.7	6,737.3	6,652.7	19.6	24.4	-35.20	138.7	-781.2	690.5	660.1	30.44	22.685	
6,800.0	6,753.7	6,837.3	6,752.7	19.6	24.4	-35.20	138.7	-781.2	690.5	660.0	30.53	22.617	
6,900.0	6,853.7	6,937.3	6,852.7	19.7	24.4	-35.20	138.7	-781.2	690.5	659.9	30.62	22.549	
7,000.0	6,953.7	7,037.3	6,952.7	19.7	24.5	-35.20	138.7	-781.2	690.5	659.8	30.72	22.481	
7,100.0	7,053.7	7,137.3	7,052.7	19.7	24.5	-35.20	138.7	-781.2	690.5	659.7	30.81	22.412	
7,200.0	7,153.7	7,237.3	7,152.7	19.7	24.5	-35.20	138.7	-781.2	690.5	659.6	30.90	22.344	
7,300.0	7,253.7	7,337.3	7,252.7	19.8	24.6	-35.20	138.7	-781.2	690.5	659.5	31.00	22.276	
7,400.0	7,353.7	7,437.3	7,352.7	19.8	24.6	-35.20	138.7	-781.2	690.5	659.4	31.09	22.208	
7,500.0	7,453.7	7,537.3	7,452.7	19.8	24.6	-35.20	138.7	-781.2	690.5	659.3	31.19	22.140	
7,600.0	7,553.7	7,637.3	7,552.7	19.9	24.6	-35.20	138.7	-781.2	690.5	659.2	31.29	22.072	
7,700.0	7,653.7	7,737.3	7,652.7	19.9	24.7	-35.20	138.7	-781.2	690.5	659.1	31.38	22.004	
7,800.0	7,753.7	7,837.3	7,752.7	20.0	24.7	-35.20	138.7	-781.2	690.5	659.0	31.48	21.936	
7,900.0	7,853.7	7,937.3	7,852.7	20.0	24.7	-35.20	138.7	-781.2	690.5	658.9	31.58	21.868	
8,000.0	7,953.7	8,037.3	7,952.7	20.0	24.8	-35.20	138.7	-781.2	690.5	658.8	31.68	21.800	
8,100.0	8,053.7	8,137.3	8,052.7	20.1	24.8	-35.20	138.7	-781.2	690.5	658.7	31.77	21.732	
8,200.0	8,153.7	8,237.3	8,152.7	20.1	24.8	-35.20	138.7	-781.2	690.5	658.6	31.87	21.664	
8,300.0	8,253.7	8,337.3	8,252.7	20.1	24.9	-35.20	138.7	-781.2	690.5	658.5	31.97	21.596	
8,400.0	8,353.7	8,437.3	8,352.7	20.2	24.9	-35.20	138.7	-781.2	690.5	658.4	32.07	21.529	
8,500.0	8,453.7	8,537.3	8,452.7	20.2	24.9	-35.20	138.7	-781.2	690.5	658.3	32.18	21.461	
8,600.0	8,553.7	8,637.3	8,552.7	20.2	25.0	-35.20	138.7	-781.2	690.5	658.2	32.28	21.394	
8,700.0	8,653.7	8,737.3	8,652.7	20.3	25.0	-35.20	138.7	-781.2	690.5	658.1	32.38	21.326	
8,800.0	8,753.7	8,837.3	8,752.7	20.3	25.0	-35.20	138.7	-781.2	690.5	658.0	32.48	21.259	
8,900.0	8,853.7	8,937.3	8,852.7	20.3	25.1	-35.20	138.7	-781.2	690.5	657.9	32.58	21.192	
9,000.0	8,953.7	9,037.3	8,952.7	20.4	25.1	-35.20	138.7	-781.2	690.5	657.8	32.69	21.125	
9,100.0	9,053.7	9,137.3	9,052.7	20.4	25.2	-35.20	138.7	-781.2	690.5	657.7	32.79	21.058	
9,200.0	9,153.7	9,237.3	9,152.7	20.5	25.2	-35.20	138.7	-781.2	690.5	657.6	32.90	20.991	
9,300.0	9,253.7	9,337.3	9,252.7	20.5	25.2	-35.20	138.7	-781.2	690.5	657.5	33.00	20.925	
9,400.0	9,353.7	9,437.3	9,352.7	20.5	25.3	-35.20	138.7	-781.2	690.5	657.4	33.11	20.858	
9,500.0	9,453.7	9,537.3	9,452.7	20.6	25.3	-35.20	138.7	-781.2	690.5	657.3	33.21	20.792	
9,600.0	9,553.7	9,637.3	9,552.7	20.6	25.3	-35.20	138.7	-781.2	690.5	657.2	33.32	20.726	
9,700.0	9,653.7	9,737.3	9,652.7	20.7	25.4	-35.20	138.7	-781.2	690.5	657.1	33.42	20.659	
9,800.0	9,753.7	9,837.3	9,752.7	20.7	25.4	-35.20	138.7	-781.2	690.5	657.0	33.53	20.593	
9,900.0	9,853.7	9,937.3	9,852.7	20.7	25.4	-35.20	138.7	-781.2	690.5	656.9	33.64	20.528	
10,000.0	9,953.7	10,037.3	9,952.7	20.8	25.5	-35.20	138.7	-781.2	690.5	656.8	33.75	20.462	
10,100.0	10,053.7	10,137.3	10,052.7	20.8	25.5	-35.20	138.7	-781.2	690.5	656.7	33.85	20.397	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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			Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.0	10,153.7	10,237.3	10,152.7	20.9	25.6	-35.20	138.7	-781.2	690.5	656.6	33.96	20.331	
10,300.0	10,253.7	10,337.3	10,252.7	20.9	25.6	-35.20	138.7	-781.2	690.5	656.4	34.07	20.266	
10,400.0	10,353.7	10,437.3	10,352.7	20.9	25.6	-35.20	138.7	-781.2	690.5	656.3	34.18	20.201	
10,500.0	10,453.7	10,537.3	10,452.7	21.0	25.7	-35.20	138.7	-781.2	690.5	656.2	34.29	20.136	
10,600.0	10,553.7	10,637.3	10,552.7	21.0	25.7	-35.20	138.7	-781.2	690.5	656.1	34.40	20.072	
10,700.0	10,653.7	10,737.3	10,652.7	21.1	25.7	-35.20	138.7	-781.2	690.5	656.0	34.51	20.007	
10,800.0	10,753.7	10,837.3	10,752.7	21.1	25.8	-35.20	138.7	-781.2	690.5	655.9	34.62	19.943	
10,900.0	10,853.7	10,937.3	10,852.7	21.1	25.8	-35.20	138.7	-781.2	690.5	655.8	34.74	19.879	
11,000.0	10,953.7	11,037.3	10,952.7	21.2	25.9	-35.20	138.7	-781.2	690.5	655.7	34.85	19.815	
11,100.0	11,053.7	11,137.3	11,052.7	21.2	25.9	-35.20	138.7	-781.2	690.5	655.6	34.96	19.751	
11,200.0	11,153.7	11,237.3	11,152.7	21.3	25.9	-35.20	138.7	-781.2	690.5	655.4	35.07	19.688	
11,300.0	11,253.7	11,337.3	11,252.7	21.3	26.0	-35.20	138.7	-781.2	690.5	655.3	35.18	19.630	
11,400.0	11,353.7	11,386.6	11,301.9	21.4	26.0	-35.11	140.6	-781.2	693.9	658.5	35.39	19.607	
11,479.8	11,433.5	11,425.0	11,340.0	21.4	26.0	-34.88	145.6	-781.2	702.3	666.6	35.70	19.674	
11,500.0	11,453.7	11,425.0	11,340.0	21.4	26.0	145.26	145.6	-781.2	705.6	669.8	35.75	19.736	
11,525.0	11,478.7	11,442.2	11,356.9	21.4	26.0	145.08	148.8	-781.3	710.9	675.1	35.81	19.853	
11,550.0	11,503.5	11,450.0	11,364.5	21.4	26.0	144.70	150.4	-781.3	717.8	681.8	35.97	19.958	
11,575.0	11,528.1	11,462.8	11,376.9	21.4	26.0	144.33	153.4	-781.3	726.2	690.1	36.06	20.136	
11,600.0	11,552.5	11,475.0	11,388.8	21.4	26.0	143.87	156.6	-781.3	736.0	699.8	36.16	20.352	
11,625.0	11,576.5	11,475.0	11,388.8	21.4	26.0	142.97	156.6	-781.3	747.2	710.8	36.42	20.518	
11,650.0	11,600.1	11,490.2	11,403.3	21.4	26.0	142.38	160.9	-781.4	759.7	723.2	36.46	20.833	
11,675.0	11,623.3	11,500.0	11,412.6	21.4	26.0	141.50	164.0	-781.4	773.4	736.9	36.58	21.146	
11,700.0	11,646.0	11,500.0	11,412.6	21.5	26.0	140.08	164.0	-781.4	788.4	751.6	36.82	21.416	
11,725.0	11,668.1	11,512.6	11,424.5	21.5	26.0	139.00	168.2	-781.4	804.5	767.6	36.87	21.821	
11,750.0	11,689.5	11,525.0	11,436.1	21.5	26.0	137.76	172.6	-781.5	821.6	784.7	36.91	22.263	
11,775.0	11,710.3	11,525.0	11,436.1	21.5	26.0	135.62	172.6	-781.5	839.7	802.5	37.11	22.625	
11,800.0	11,730.3	11,525.0	11,436.1	21.5	26.0	133.12	172.6	-781.5	858.6	821.3	37.30	23.017	
11,825.0	11,749.4	11,533.9	11,444.3	21.5	26.0	130.86	176.0	-781.5	878.3	841.0	37.35	23.515	
11,850.0	11,767.7	11,537.7	11,447.8	21.5	26.0	127.86	177.5	-781.5	898.8	861.3	37.46	23.995	
11,875.0	11,785.1	11,541.0	11,450.8	21.5	26.0	124.35	178.7	-781.5	919.9	882.3	37.55	24.495	
11,900.0	11,801.6	11,550.0	11,459.1	21.6	26.0	120.90	182.4	-781.6	941.6	904.0	37.55	25.072	
11,925.0	11,817.0	11,550.0	11,459.1	21.6	26.0	115.97	182.4	-781.6	963.6	925.9	37.66	25.585	
11,950.0	11,831.3	11,550.0	11,459.1	21.6	26.0	110.35	182.4	-781.6	986.0	948.3	37.75	26.119	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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	33.45	167.4	110.6	200.7	193.7	6.98	28.746	
100.0	100.0	99.0	99.0	3.1	3.1	33.45	167.4	110.6	200.7	193.4	7.22	27.775	
200.0	200.0	199.0	199.0	3.2	3.2	33.45	167.4	110.6	200.7	193.2	7.47	26.870	
300.0	300.0	299.0	299.0	3.4	3.4	33.45	167.4	110.6	200.7	193.0	7.71	26.038	
400.0	400.0	399.0	399.0	3.5	3.5	33.45	167.4	110.6	200.7	192.7	7.94	25.267	
500.0	500.0	499.0	499.0	3.6	3.6	33.45	167.4	110.6	200.7	192.5	8.17	24.549	
600.0	600.0	599.0	599.0	3.7	3.7	33.45	167.4	110.6	200.7	192.3	8.40	23.879	
700.0	700.0	699.0	699.0	3.9	3.9	33.45	167.4	110.6	200.7	192.0	8.63	23.251	
800.0	800.0	799.0	799.0	4.0	4.0	33.45	167.4	110.6	200.7	191.8	8.86	22.661	
900.0	900.0	899.0	899.0	4.1	4.1	33.45	167.4	110.6	200.7	191.6	9.08	22.106	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	33.45	167.4	110.6	200.7	191.4	9.30	21.581	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	33.45	167.4	110.6	200.7	191.2	9.52	21.084	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	33.45	167.4	110.6	200.7	190.9	9.73	20.614	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	33.45	167.4	110.6	200.7	190.7	9.95	20.166	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	33.45	167.4	110.6	200.7	190.5	10.17	19.741	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	33.45	167.4	110.6	200.7	190.3	10.38	19.336 CC, ES	
1,600.0	1,600.0	1,603.8	1,603.8	5.0	4.9	171.12	167.2	108.7	201.2	190.8	10.38	19.384	
1,700.0	1,699.8	1,708.5	1,708.4	5.2	5.1	170.14	166.4	103.1	202.8	192.0	10.85	18.701	
1,800.0	1,799.5	1,813.1	1,812.5	5.5	5.3	168.54	165.1	93.7	205.6	194.3	11.32	18.160	
1,900.0	1,898.7	1,917.3	1,915.9	5.8	5.6	166.38	163.2	80.5	209.8	198.0	11.81	17.760	
2,000.0	1,997.5	2,020.3	2,017.5	6.1	6.0	163.77	160.9	64.0	215.5	203.2	12.30	17.519	
2,100.0	2,095.9	2,119.6	2,115.3	6.3	6.2	161.31	158.5	46.9	222.7	210.0	12.71	17.523	
2,200.0	2,194.4	2,218.9	2,213.0	6.6	6.5	159.01	156.1	29.9	230.3	217.2	13.13	17.541	
2,300.0	2,292.9	2,318.2	2,310.8	6.9	6.8	156.85	153.7	12.8	238.3	224.7	13.56	17.573	
2,400.0	2,391.4	2,417.5	2,408.6	7.2	7.1	154.84	151.3	-4.3	246.5	232.5	13.99	17.620	
2,500.0	2,489.9	2,516.8	2,506.4	7.5	7.5	152.96	148.9	-21.4	255.0	240.6	14.42	17.680	
2,600.0	2,588.3	2,616.1	2,604.2	7.9	7.8	151.20	146.5	-38.4	263.8	249.0	14.86	17.753	
2,700.0	2,686.8	2,715.4	2,702.0	8.2	8.2	149.56	144.1	-55.5	272.8	257.6	15.30	17.837	
2,800.0	2,785.3	2,814.7	2,799.8	8.6	8.5	148.02	141.7	-72.6	282.1	266.3	15.73	17.930	
2,900.0	2,883.8	2,914.0	2,897.5	9.0	8.9	146.58	139.3	-89.7	291.5	275.3	16.17	18.031	
3,000.0	2,982.3	3,013.3	2,995.3	9.3	9.3	145.23	136.9	-106.7	301.1	284.5	16.60	18.138	
3,100.0	3,080.8	3,112.6	3,093.1	9.7	9.7	143.96	134.5	-123.8	310.8	293.8	17.03	18.250	
3,200.0	3,179.2	3,211.8	3,190.9	10.1	10.1	142.77	132.1	-140.9	320.7	303.3	17.46	18.367	
3,300.0	3,277.7	3,311.1	3,288.7	10.5	10.5	141.65	129.7	-158.0	330.8	312.9	17.89	18.486	
3,400.0	3,376.2	3,410.4	3,386.5	10.9	10.9	140.60	127.3	-175.0	340.9	322.6	18.32	18.607	
3,500.0	3,474.7	3,509.7	3,484.3	11.3	11.3	139.61	124.9	-192.1	351.2	332.4	18.75	18.729	
3,600.0	3,573.2	3,609.0	3,582.0	11.7	11.7	138.67	122.5	-209.2	361.5	342.3	19.18	18.851	
3,700.0	3,671.6	3,708.3	3,679.8	12.1	12.1	137.79	120.1	-226.3	371.9	352.3	19.60	18.973	
3,800.0	3,770.1	3,807.6	3,777.6	12.6	12.5	136.96	117.7	-243.3	382.5	362.4	20.03	19.095	
3,900.0	3,868.6	3,906.9	3,875.4	13.0	12.9	136.17	115.3	-260.4	393.0	372.6	20.45	19.216	
4,000.0	3,967.1	4,006.2	3,973.2	13.4	13.4	135.42	112.9	-277.5	403.7	382.8	20.88	19.337	
4,100.0	4,065.6	4,105.1	4,070.7	13.8	13.7	134.75	110.5	-294.2	414.5	393.2	21.27	19.488	
4,200.0	4,164.0	4,203.9	4,168.2	14.2	14.2	134.33	108.4	-309.4	425.4	403.7	21.71	19.592	
4,300.0	4,262.5	4,302.6	4,266.0	14.7	14.6	134.15	106.5	-322.9	436.5	414.3	22.18	19.680	
4,400.0	4,361.0	4,401.4	4,364.0	15.1	15.0	134.20	104.8	-334.8	447.7	425.1	22.67	19.751	
4,500.0	4,459.5	4,500.0	4,462.1	15.5	15.3	134.46	103.4	-344.9	459.1	435.9	23.18	19.806	
4,545.2	4,504.0	4,544.6	4,506.6	15.7	15.5	134.64	102.9	-349.0	464.3	440.9	23.40	19.841	
4,600.0	4,558.0	4,598.7	4,560.4	15.9	15.7	134.93	102.2	-353.4	470.4	446.8	23.68	19.870	
4,700.0	4,656.8	4,697.2	4,658.7	16.4	16.1	135.49	101.3	-360.2	480.9	456.7	24.21	19.865	
4,800.0	4,755.8	4,795.8	4,757.2	16.8	16.4	136.08	100.6	-365.3	490.3	465.6	24.73	19.822	
4,900.0	4,855.1	4,894.4	4,855.7	17.2	16.7	136.69	100.1	-368.8	498.7	473.4	25.26	19.744	
5,000.0	4,954.6	4,992.9	4,954.2	17.6	17.0	137.33	99.8	-370.5	506.1	480.3	25.77	19.634	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,054.2	5,091.9	5,053.2	17.9	17.0	138.00	99.8	-370.8	512.4	486.2	26.24	19.527	
5,200.0	5,153.9	5,191.6	5,152.9	18.3	17.1	138.54	99.8	-370.8	517.6	490.9	26.70	19.382	
5,300.0	5,253.8	5,291.5	5,252.8	18.6	17.1	138.94	99.8	-370.8	521.4	494.3	27.13	19.220	
5,400.0	5,353.7	5,391.5	5,352.7	18.9	17.2	139.20	99.8	-370.8	524.0	496.5	27.51	19.048	
5,500.0	5,453.7	5,491.4	5,452.7	19.2	17.2	139.33	99.8	-370.8	525.3	497.4	27.83	18.876	
5,545.2	5,498.9	5,536.6	5,497.9	19.3	17.2	1.34	99.8	-370.8	525.4	497.5	27.90	18.833	
5,600.0	5,553.7	5,591.4	5,552.7	19.3	17.3	1.34	99.8	-370.8	525.4	497.5	27.94	18.808	
5,700.0	5,653.7	5,691.4	5,652.7	19.3	17.3	1.34	99.8	-370.8	525.4	497.4	28.03	18.742	
5,800.0	5,753.7	5,791.4	5,752.7	19.3	17.3	1.34	99.8	-370.8	525.4	497.3	28.13	18.677	
5,900.0	5,853.7	5,891.4	5,852.7	19.3	17.4	1.34	99.8	-370.8	525.4	497.2	28.23	18.612	
6,000.0	5,953.7	5,991.4	5,952.7	19.4	17.4	1.34	99.8	-370.8	525.4	497.1	28.33	18.547	
6,100.0	6,053.7	6,091.4	6,052.7	19.4	17.5	1.34	99.8	-370.8	525.4	497.0	28.43	18.482	
6,200.0	6,153.7	6,191.4	6,152.7	19.4	17.5	1.34	99.8	-370.8	525.4	496.9	28.53	18.417	
6,300.0	6,253.7	6,291.4	6,252.7	19.5	17.6	1.34	99.8	-370.8	525.4	496.8	28.63	18.352	
6,400.0	6,353.7	6,391.4	6,352.7	19.5	17.6	1.34	99.8	-370.8	525.4	496.7	28.73	18.288	
6,500.0	6,453.7	6,491.4	6,452.7	19.5	17.6	1.34	99.8	-370.8	525.4	496.6	28.83	18.223	
6,600.0	6,553.7	6,591.4	6,552.7	19.6	17.7	1.34	99.8	-370.8	525.4	496.5	28.93	18.158	
6,700.0	6,653.7	6,691.4	6,652.7	19.6	17.7	1.34	99.8	-370.8	525.4	496.4	29.04	18.094	
6,800.0	6,753.7	6,791.4	6,752.7	19.6	17.8	1.34	99.8	-370.8	525.4	496.3	29.14	18.030	
6,900.0	6,853.7	6,891.4	6,852.7	19.7	17.8	1.34	99.8	-370.8	525.4	496.2	29.24	17.966	
7,000.0	6,953.7	6,991.4	6,952.7	19.7	17.9	1.34	99.8	-370.8	525.4	496.1	29.35	17.902	
7,100.0	7,053.7	7,091.4	7,052.7	19.7	17.9	1.34	99.8	-370.8	525.4	496.0	29.45	17.838	
7,200.0	7,153.7	7,191.4	7,152.7	19.7	18.0	1.34	99.8	-370.8	525.4	495.8	29.56	17.774	
7,300.0	7,253.7	7,291.4	7,252.7	19.8	18.0	1.34	99.8	-370.8	525.4	495.7	29.67	17.711	
7,400.0	7,353.7	7,391.4	7,352.7	19.8	18.1	1.34	99.8	-370.8	525.4	495.6	29.77	17.647	
7,500.0	7,453.7	7,491.4	7,452.7	19.8	18.1	1.34	99.8	-370.8	525.4	495.5	29.88	17.584	
7,600.0	7,553.7	7,591.4	7,552.7	19.9	18.2	1.34	99.8	-370.8	525.4	495.4	29.99	17.521	
7,700.0	7,653.7	7,691.4	7,652.7	19.9	18.2	1.34	99.8	-370.8	525.4	495.3	30.10	17.458	
7,800.0	7,753.7	7,791.4	7,752.7	20.0	18.3	1.34	99.8	-370.8	525.4	495.2	30.20	17.395	
7,900.0	7,853.7	7,891.4	7,852.7	20.0	18.3	1.34	99.8	-370.8	525.4	495.1	30.31	17.333	
8,000.0	7,953.7	7,991.4	7,952.7	20.0	18.4	1.34	99.8	-370.8	525.4	495.0	30.42	17.270	
8,100.0	8,053.7	8,091.4	8,052.7	20.1	18.4	1.34	99.8	-370.8	525.4	494.9	30.53	17.208	
8,200.0	8,153.7	8,191.4	8,152.7	20.1	18.4	1.34	99.8	-370.8	525.4	494.8	30.64	17.146	
8,300.0	8,253.7	8,291.4	8,252.7	20.1	18.5	1.34	99.8	-370.8	525.4	494.7	30.75	17.084	
8,400.0	8,353.7	8,391.4	8,352.7	20.2	18.5	1.34	99.8	-370.8	525.4	494.5	30.87	17.022	
8,500.0	8,453.7	8,491.4	8,452.7	20.2	18.6	1.34	99.8	-370.8	525.4	494.4	30.98	16.961	
8,600.0	8,553.7	8,591.4	8,552.7	20.2	18.6	1.34	99.8	-370.8	525.4	494.3	31.09	16.900	
8,700.0	8,653.7	8,691.4	8,652.7	20.3	18.7	1.34	99.8	-370.8	525.4	494.2	31.20	16.839	
8,800.0	8,753.7	8,791.4	8,752.7	20.3	18.7	1.34	99.8	-370.8	525.4	494.1	31.32	16.778	
8,900.0	8,853.7	8,891.4	8,852.7	20.3	18.8	1.34	99.8	-370.8	525.4	494.0	31.43	16.717	
9,000.0	8,953.7	8,991.4	8,952.7	20.4	18.8	1.34	99.8	-370.8	525.4	493.9	31.54	16.657	
9,100.0	9,053.7	9,091.4	9,052.7	20.4	18.9	1.34	99.8	-370.8	525.4	493.7	31.66	16.597	
9,200.0	9,153.7	9,191.4	9,152.7	20.5	19.0	1.34	99.8	-370.8	525.4	493.6	31.77	16.537	
9,300.0	9,253.7	9,291.4	9,252.7	20.5	19.0	1.34	99.8	-370.8	525.4	493.5	31.89	16.477	
9,400.0	9,353.7	9,391.4	9,352.7	20.5	19.1	1.34	99.8	-370.8	525.4	493.4	32.00	16.417	
9,500.0	9,453.7	9,491.4	9,452.7	20.6	19.1	1.34	99.8	-370.8	525.4	493.3	32.12	16.358	
9,600.0	9,553.7	9,591.4	9,552.7	20.6	19.2	1.34	99.8	-370.8	525.4	493.2	32.24	16.299	
9,700.0	9,653.7	9,691.4	9,652.7	20.7	19.2	1.34	99.8	-370.8	525.4	493.1	32.35	16.240	
9,800.0	9,753.7	9,791.4	9,752.7	20.7	19.3	1.34	99.8	-370.8	525.4	492.9	32.47	16.182	
9,900.0	9,853.7	9,891.4	9,852.7	20.7	19.3	1.34	99.8	-370.8	525.4	492.8	32.59	16.123	
10,000.0	9,953.7	9,991.4	9,952.7	20.8	19.4	1.34	99.8	-370.8	525.4	492.7	32.70	16.065	
10,100.0	10,053.7	10,091.4	10,052.7	20.8	19.4	1.34	99.8	-370.8	525.4	492.6	32.82	16.007	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.0	10,153.7	10,191.4	10,152.7	20.9	19.5	1.34	99.8	-370.8	525.4	492.5	32.94	15.950	
10,300.0	10,253.7	10,291.4	10,252.7	20.9	19.5	1.34	99.8	-370.8	525.4	492.3	33.06	15.892	
10,400.0	10,353.7	10,391.4	10,352.7	20.9	19.6	1.34	99.8	-370.8	525.4	492.2	33.18	15.835	
10,500.0	10,453.7	10,491.4	10,452.7	21.0	19.6	1.34	99.8	-370.8	525.4	492.1	33.30	15.778	
10,600.0	10,553.7	10,591.4	10,552.7	21.0	19.7	1.34	99.8	-370.8	525.4	492.0	33.42	15.721	
10,700.0	10,653.7	10,691.4	10,652.7	21.1	19.7	1.34	99.8	-370.8	525.4	491.9	33.54	15.665	
10,800.0	10,753.7	10,791.4	10,752.7	21.1	19.8	1.34	99.8	-370.8	525.4	491.7	33.66	15.609	
10,900.0	10,853.7	10,891.4	10,852.7	21.1	19.9	1.34	99.8	-370.8	525.4	491.6	33.78	15.553	
11,000.0	10,953.7	10,991.4	10,952.7	21.2	19.9	1.34	99.8	-370.8	525.4	491.5	33.90	15.497	
11,100.0	11,053.7	11,091.4	11,052.7	21.2	20.0	1.34	99.8	-370.8	525.4	491.4	34.03	15.441	
11,200.0	11,153.7	11,191.4	11,152.7	21.3	20.0	1.34	99.8	-370.8	525.4	491.3	34.15	15.386	
11,300.0	11,253.7	11,291.4	11,252.7	21.3	20.1	1.34	99.8	-370.8	525.4	491.1	34.27	15.331	
11,400.0	11,353.7	11,391.4	11,352.7	21.4	20.1	1.34	99.8	-370.8	525.4	491.0	34.39	15.276	
11,479.8	11,433.5	11,471.2	11,432.5	21.4	20.2	1.34	99.8	-370.8	525.4	490.9	34.46	15.248 SF	
11,500.0	11,453.7	11,481.9	11,443.2	21.4	20.2	-178.28	99.9	-370.8	526.0	491.8	34.22	15.370	
11,525.0	11,478.7	11,500.0	11,461.3	21.4	20.2	-178.28	100.5	-370.8	528.5	494.3	34.23	15.440	
11,550.0	11,503.5	11,500.0	11,461.3	21.4	20.2	-178.27	100.5	-370.8	532.9	498.7	34.25	15.560	
11,575.0	11,528.1	11,516.8	11,478.0	21.4	20.2	-178.26	101.8	-370.8	539.1	504.8	34.28	15.725	
11,600.0	11,552.5	11,525.0	11,486.2	21.4	20.2	-178.23	102.6	-370.8	547.2	512.8	34.35	15.927	
11,625.0	11,576.5	11,538.5	11,499.6	21.4	20.2	-178.21	104.2	-370.8	557.0	522.5	34.43	16.178	
11,650.0	11,600.1	11,550.0	11,511.0	21.4	20.2	-178.18	105.9	-370.9	568.4	533.9	34.52	16.469	
11,675.0	11,623.3	11,558.4	11,519.2	21.4	20.2	-178.14	107.4	-370.9	581.5	546.9	34.64	16.788	
11,700.0	11,646.0	11,567.5	11,528.2	21.5	20.2	-178.09	109.1	-370.9	596.1	561.3	34.77	17.146	
11,725.0	11,668.1	11,575.0	11,535.5	21.5	20.2	-178.03	110.6	-370.9	612.1	577.2	34.91	17.533	
11,750.0	11,689.5	11,583.8	11,544.1	21.5	20.2	-177.96	112.5	-370.9	629.3	594.3	35.04	17.961	
11,775.0	11,710.3	11,591.0	11,551.1	21.5	20.2	-177.86	114.2	-370.9	647.8	612.6	35.18	18.413	
11,800.0	11,730.3	11,600.0	11,559.8	21.5	20.2	-177.76	116.5	-371.0	667.4	632.1	35.30	18.907	
11,825.0	11,749.4	11,600.0	11,559.8	21.5	20.2	-177.58	116.5	-371.0	687.9	652.4	35.50	19.376	
11,850.0	11,767.7	11,608.7	11,568.2	21.5	20.2	-177.42	118.9	-371.0	709.3	673.7	35.60	19.925	
11,875.0	11,785.1	11,613.3	11,572.6	21.5	20.2	-177.18	120.2	-371.0	731.4	695.7	35.72	20.475	
11,900.0	11,801.6	11,617.3	11,576.4	21.6	20.2	-176.87	121.4	-371.0	754.2	718.4	35.84	21.044	
11,925.0	11,817.0	11,625.0	11,583.7	21.6	20.2	-176.50	123.7	-371.0	777.7	741.8	35.90	21.663	
11,950.0	11,831.3	11,625.0	11,583.7	21.6	20.2	-175.86	123.7	-371.0	801.5	765.5	36.03	22.247	
11,975.0	11,844.6	11,625.0	11,583.7	21.6	20.2	-174.89	123.7	-371.0	825.8	789.6	36.14	22.850	
12,000.0	11,856.8	11,625.0	11,583.7	21.6	20.2	-173.23	123.7	-371.0	850.3	814.1	36.23	23.470	
12,025.0	11,867.7	11,625.0	11,583.7	21.7	20.2	-169.80	123.7	-371.0	875.1	838.8	36.31	24.105	
12,050.0	11,877.5	11,625.0	11,583.7	21.7	20.2	-158.94	123.7	-371.0	900.1	863.7	36.36	24.754	
12,075.0	11,886.1	11,625.0	11,583.7	21.7	20.2	-65.60	123.7	-371.0	925.1	888.7	36.40	25.415	
12,100.0	11,893.5	11,625.0	11,583.7	21.7	20.2	-15.58	123.7	-371.0	950.0	913.6	36.42	26.086	
12,125.0	11,899.5	11,625.0	11,583.7	21.7	20.2	-8.37	123.7	-371.0	974.9	938.5	36.42	26.767	
12,150.0	11,904.3	11,625.0	11,583.7	21.8	20.2	-5.67	123.7	-371.0	999.7	963.3	36.41	27.454	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	42.02	150.7	135.8	202.9	195.9	6.98	29.058	
100.0	100.0	100.0	100.0	3.1	3.1	42.02	150.7	135.8	202.9	195.6	7.23	28.069	
200.0	200.0	200.0	200.0	3.2	3.2	42.02	150.7	135.8	202.9	195.4	7.47	27.165	
300.0	300.0	300.0	300.0	3.4	3.4	42.02	150.7	135.8	202.9	195.1	7.70	26.333	
400.0	400.0	400.0	400.0	3.5	3.5	42.02	150.7	135.8	202.9	194.9	7.94	25.564	
500.0	500.0	500.0	500.0	3.6	3.6	42.02	150.7	135.8	202.9	194.7	8.16	24.850	
600.0	600.0	600.0	600.0	3.7	3.7	42.02	150.7	135.8	202.9	194.5	8.39	24.185	
700.0	700.0	700.0	700.0	3.9	3.9	42.02	150.7	135.8	202.9	194.2	8.61	23.563	
800.0	800.0	800.0	800.0	4.0	4.0	42.02	150.7	135.8	202.9	194.0	8.83	22.980	
900.0	900.0	900.0	900.0	4.1	4.1	42.02	150.7	135.8	202.9	193.8	9.04	22.431	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	42.02	150.7	135.8	202.9	193.6	9.26	21.914	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	42.02	150.7	135.8	202.9	193.4	9.47	21.425	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	42.02	150.7	135.8	202.9	193.2	9.68	20.962	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	42.02	150.7	135.8	202.9	193.0	9.88	20.522	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	42.02	150.7	135.8	202.9	192.8	10.09	20.104	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	42.02	150.7	135.8	202.9	192.6	10.29	19.706	
1,600.0	1,600.0	1,607.3	1,607.2	5.0	5.0	179.86	149.7	134.1	202.8	192.5	10.35	19.593	
1,700.0	1,699.8	1,714.5	1,714.3	5.2	5.2	179.36	146.6	128.9	202.7	191.8	10.86	18.669	
1,738.0	1,737.7	1,754.8	1,754.5	5.3	5.2	179.09	144.9	126.1	202.6	191.6	11.00	18.422 CC, ES	
1,800.0	1,799.5	1,816.8	1,816.3	5.5	5.3	178.65	142.1	121.5	203.3	192.0	11.26	18.053	
1,900.0	1,898.7	1,916.7	1,915.8	5.8	5.5	177.96	137.6	114.0	207.2	195.5	11.77	17.605	
2,000.0	1,997.5	2,016.4	2,015.1	6.1	5.7	177.35	133.1	106.6	214.7	202.4	12.32	17.431	
2,100.0	2,095.9	2,116.0	2,114.3	6.3	5.9	176.81	128.6	99.1	223.9	211.1	12.81	17.475	
2,200.0	2,194.4	2,215.5	2,213.4	6.6	6.2	176.30	124.2	91.7	233.1	219.8	13.34	17.477	
2,300.0	2,292.9	2,315.1	2,312.6	6.9	6.5	175.84	119.7	84.2	242.4	228.5	13.89	17.446	
2,400.0	2,391.4	2,414.6	2,411.8	7.2	6.8	175.41	115.2	76.8	251.6	237.2	14.47	17.388	
2,500.0	2,489.9	2,514.2	2,511.0	7.5	7.1	175.02	110.8	69.4	260.9	245.8	15.07	17.312	
2,600.0	2,588.3	2,613.7	2,610.1	7.9	7.4	174.64	106.3	61.9	270.2	254.5	15.68	17.227	
2,700.0	2,686.8	2,711.3	2,707.4	8.2	7.6	174.32	102.0	54.8	279.7	263.4	16.27	17.188	
2,800.0	2,785.3	2,806.4	2,802.2	8.6	7.9	174.12	98.5	49.0	290.4	273.5	16.90	17.186 SF	
2,900.0	2,883.8	2,900.0	2,895.7	9.0	8.2	174.06	95.9	44.6	302.7	285.2	17.52	17.278	
3,000.0	2,982.3	2,995.5	2,991.0	9.3	8.5	174.12	94.0	41.4	316.5	298.3	18.14	17.445	
3,100.0	3,080.8	3,089.4	3,084.9	9.7	8.7	174.27	92.9	39.7	331.8	313.0	18.74	17.701	
3,200.0	3,179.2	3,183.7	3,179.2	10.1	8.8	174.51	92.6	39.2	348.5	329.3	19.24	18.112	
3,300.0	3,277.7	3,282.2	3,277.7	10.5	8.9	174.77	92.6	39.2	365.8	346.1	19.73	18.541	
3,400.0	3,376.2	3,380.6	3,376.2	10.9	9.0	175.00	92.6	39.2	383.1	362.9	20.24	18.932	
3,500.0	3,474.7	3,479.1	3,474.7	11.3	9.0	175.22	92.6	39.2	400.4	379.7	20.75	19.297	
3,600.0	3,573.2	3,577.6	3,573.2	11.7	9.1	175.42	92.6	39.2	417.7	396.5	21.27	19.638	
3,700.0	3,671.6	3,676.1	3,671.6	12.1	9.2	175.60	92.6	39.2	435.0	413.2	21.80	19.956	
3,800.0	3,770.1	3,774.6	3,770.1	12.6	9.3	175.77	92.6	39.2	452.4	430.0	22.33	20.255	
3,900.0	3,868.6	3,873.0	3,868.6	13.0	9.3	175.93	92.6	39.2	469.7	446.8	22.87	20.534	
4,000.0	3,967.1	3,971.5	3,967.1	13.4	9.4	176.07	92.6	39.2	487.0	463.6	23.42	20.795	
4,100.0	4,065.6	4,070.0	4,065.6	13.8	9.5	176.21	92.6	39.2	504.3	480.4	23.97	21.041	
4,200.0	4,164.0	4,168.5	4,164.0	14.2	9.6	176.33	92.6	39.2	521.7	497.1	24.52	21.271	
4,300.0	4,262.5	4,267.0	4,262.5	14.7	9.6	176.45	92.6	39.2	539.0	513.9	25.08	21.487	
4,400.0	4,361.0	4,365.4	4,361.0	15.1	9.7	176.56	92.6	39.2	556.3	530.7	25.65	21.691	
4,500.0	4,459.5	4,463.9	4,459.5	15.5	9.8	176.67	92.6	39.2	573.7	547.4	26.22	21.882	
4,545.2	4,504.0	4,508.4	4,504.0	15.7	9.8	176.71	92.6	39.2	581.5	555.0	26.46	21.978	
4,600.0	4,558.0	4,562.5	4,558.0	15.9	9.9	176.77	92.6	39.2	590.7	564.0	26.75	22.080	
4,700.0	4,656.8	4,661.2	4,656.8	16.4	10.0	176.86	92.6	39.2	606.3	579.0	27.32	22.194	
4,800.0	4,755.8	4,760.3	4,755.8	16.8	10.0	176.94	92.6	39.2	620.1	592.2	27.87	22.248	
4,900.0	4,855.1	4,859.5	4,855.1	17.2	10.1	177.00	92.6	39.2	632.2	603.8	28.41	22.249	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,954.6	4,959.0	4,954.6	17.6	10.2	177.06	92.6	39.2	642.5	613.6	28.94	22.200	
5,100.0	5,054.2	5,058.6	5,054.2	17.9	10.3	177.10	92.6	39.2	651.2	621.7	29.46	22.106	
5,200.0	5,153.9	5,158.4	5,153.9	18.3	10.3	177.13	92.6	39.2	658.0	628.1	29.95	21.973	
5,300.0	5,253.8	5,258.2	5,253.8	18.6	10.4	177.16	92.6	39.2	663.2	632.8	30.41	21.806	
5,400.0	5,353.7	5,358.2	5,353.7	18.9	10.5	177.17	92.6	39.2	666.6	635.7	30.84	21.611	
5,500.0	5,453.7	5,458.2	5,453.7	19.2	10.6	177.18	92.6	39.2	668.2	637.0	31.22	21.407	
5,545.2	5,498.9	5,503.4	5,498.9	19.3	10.6	39.18	92.6	39.2	668.4	637.1	31.30	21.356	
5,600.0	5,553.7	5,558.2	5,553.7	19.3	10.7	39.18	92.6	39.2	668.4	637.1	31.33	21.333	
5,700.0	5,653.7	5,658.2	5,653.7	19.3	10.7	39.18	92.6	39.2	668.4	637.0	31.42	21.273	
5,800.0	5,753.7	5,758.2	5,753.7	19.3	10.8	39.18	92.6	39.2	668.4	636.9	31.51	21.213	
5,900.0	5,853.7	5,858.2	5,853.7	19.3	10.9	39.18	92.6	39.2	668.4	636.8	31.60	21.152	
6,000.0	5,953.7	5,958.2	5,953.7	19.4	11.0	39.18	92.6	39.2	668.4	636.7	31.69	21.092	
6,100.0	6,053.7	6,058.2	6,053.7	19.4	11.1	39.18	92.6	39.2	668.4	636.6	31.78	21.032	
6,200.0	6,153.7	6,158.2	6,153.7	19.4	11.1	39.18	92.6	39.2	668.4	636.6	31.87	20.972	
6,300.0	6,253.7	6,258.2	6,253.7	19.5	11.2	39.18	92.6	39.2	668.4	636.5	31.96	20.911	
6,400.0	6,353.7	6,358.2	6,353.7	19.5	11.3	39.18	92.6	39.2	668.4	636.4	32.06	20.851	
6,500.0	6,453.7	6,458.2	6,453.7	19.5	11.4	39.18	92.6	39.2	668.4	636.3	32.15	20.791	
6,600.0	6,553.7	6,558.2	6,553.7	19.6	11.4	39.18	92.6	39.2	668.4	636.2	32.24	20.730	
6,700.0	6,653.7	6,658.2	6,653.7	19.6	11.5	39.18	92.6	39.2	668.4	636.1	32.34	20.670	
6,800.0	6,753.7	6,758.2	6,753.7	19.6	11.6	39.18	92.6	39.2	668.4	636.0	32.43	20.610	
6,900.0	6,853.7	6,858.2	6,853.7	19.7	11.7	39.18	92.6	39.2	668.4	635.9	32.53	20.550	
7,000.0	6,953.7	6,958.2	6,953.7	19.7	11.8	39.18	92.6	39.2	668.4	635.8	32.62	20.489	
7,100.0	7,053.7	7,058.2	7,053.7	19.7	11.8	39.18	92.6	39.2	668.4	635.7	32.72	20.429	
7,200.0	7,153.7	7,158.2	7,153.7	19.7	11.9	39.18	92.6	39.2	668.4	635.6	32.82	20.369	
7,300.0	7,253.7	7,258.2	7,253.7	19.8	12.0	39.18	92.6	39.2	668.4	635.5	32.91	20.309	
7,400.0	7,353.7	7,358.2	7,353.7	19.8	12.1	39.18	92.6	39.2	668.4	635.4	33.01	20.249	
7,500.0	7,453.7	7,458.2	7,453.7	19.8	12.2	39.18	92.6	39.2	668.4	635.3	33.11	20.188	
7,600.0	7,553.7	7,558.2	7,553.7	19.9	12.2	39.18	92.6	39.2	668.4	635.2	33.21	20.128	
7,700.0	7,653.7	7,658.2	7,653.7	19.9	12.3	39.18	92.6	39.2	668.4	635.1	33.31	20.068	
7,800.0	7,753.7	7,758.2	7,753.7	20.0	12.4	39.18	92.6	39.2	668.4	635.0	33.41	20.008	
7,900.0	7,853.7	7,858.2	7,853.7	20.0	12.5	39.18	92.6	39.2	668.4	634.9	33.51	19.949	
8,000.0	7,953.7	7,958.2	7,953.7	20.0	12.6	39.18	92.6	39.2	668.4	634.8	33.61	19.889	
8,100.0	8,053.7	8,058.2	8,053.7	20.1	12.6	39.18	92.6	39.2	668.4	634.7	33.71	19.829	
8,200.0	8,153.7	8,158.2	8,153.7	20.1	12.7	39.18	92.6	39.2	668.4	634.6	33.81	19.770	
8,300.0	8,253.7	8,258.2	8,253.7	20.1	12.8	39.18	92.6	39.2	668.4	634.5	33.91	19.710	
8,400.0	8,353.7	8,358.2	8,353.7	20.2	12.9	39.18	92.6	39.2	668.4	634.4	34.02	19.651	
8,500.0	8,453.7	8,458.2	8,453.7	20.2	13.0	39.18	92.6	39.2	668.4	634.3	34.12	19.591	
8,600.0	8,553.7	8,558.2	8,553.7	20.2	13.0	39.18	92.6	39.2	668.4	634.2	34.22	19.532	
8,700.0	8,653.7	8,658.2	8,653.7	20.3	13.1	39.18	92.6	39.2	668.4	634.1	34.33	19.473	
8,800.0	8,753.7	8,758.2	8,753.7	20.3	13.2	39.18	92.6	39.2	668.4	634.0	34.43	19.414	
8,900.0	8,853.7	8,858.2	8,853.7	20.3	13.3	39.18	92.6	39.2	668.4	633.9	34.54	19.355	
9,000.0	8,953.7	8,958.2	8,953.7	20.4	13.4	39.18	92.6	39.2	668.4	633.8	34.64	19.296	
9,100.0	9,053.7	9,058.2	9,053.7	20.4	13.4	39.18	92.6	39.2	668.4	633.7	34.75	19.237	
9,200.0	9,153.7	9,158.2	9,153.7	20.5	13.5	39.18	92.6	39.2	668.4	633.6	34.85	19.179	
9,300.0	9,253.7	9,258.2	9,253.7	20.5	13.6	39.18	92.6	39.2	668.4	633.5	34.96	19.120	
9,400.0	9,353.7	9,358.2	9,353.7	20.5	13.7	39.18	92.6	39.2	668.4	633.4	35.07	19.062	
9,500.0	9,453.7	9,458.2	9,453.7	20.6	13.7	39.18	92.6	39.2	668.4	633.3	35.17	19.004	
9,600.0	9,553.7	9,558.2	9,553.7	20.6	13.8	39.18	92.6	39.2	668.4	633.1	35.28	18.945	
9,700.0	9,653.7	9,658.2	9,653.7	20.7	13.9	39.18	92.6	39.2	668.4	633.0	35.39	18.888	
9,800.0	9,753.7	9,758.2	9,753.7	20.7	14.0	39.18	92.6	39.2	668.4	632.9	35.50	18.830	
9,900.0	9,853.7	9,858.2	9,853.7	20.7	14.1	39.18	92.6	39.2	668.4	632.8	35.61	18.772	
10,000.0	9,953.7	9,958.2	9,953.7	20.8	14.1	39.18	92.6	39.2	668.4	632.7	35.72	18.714	

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

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,100.0	10,053.7	10,058.2	10,053.7	20.8	14.2	39.18	92.6	39.2	668.4	632.6	35.83	18.657	
10,200.0	10,153.7	10,158.2	10,153.7	20.9	14.3	39.18	92.6	39.2	668.4	632.5	35.94	18.600	
10,300.0	10,253.7	10,258.2	10,253.7	20.9	14.4	39.18	92.6	39.2	668.4	632.4	36.05	18.543	
10,400.0	10,353.7	10,358.2	10,353.7	20.9	14.5	39.18	92.6	39.2	668.4	632.3	36.16	18.486	
10,500.0	10,453.7	10,458.2	10,453.7	21.0	14.5	39.18	92.6	39.2	668.4	632.2	36.27	18.429	
10,600.0	10,553.7	10,558.2	10,553.7	21.0	14.6	39.18	92.6	39.2	668.4	632.0	36.38	18.372	
10,700.0	10,653.7	10,658.2	10,653.7	21.1	14.7	39.18	92.6	39.2	668.4	631.9	36.49	18.316	
10,800.0	10,753.7	10,758.2	10,753.7	21.1	14.8	39.18	92.6	39.2	668.4	631.8	36.61	18.260	
10,900.0	10,853.7	10,858.2	10,853.7	21.1	14.9	39.18	92.6	39.2	668.4	631.7	36.72	18.203	
11,000.0	10,953.7	10,958.2	10,953.7	21.2	14.9	39.18	92.6	39.2	668.4	631.6	36.83	18.147	
11,100.0	11,053.7	11,058.2	11,053.7	21.2	15.0	39.18	92.6	39.2	668.4	631.5	36.95	18.092	
11,200.0	11,153.7	11,158.2	11,153.7	21.3	15.1	39.18	92.6	39.2	668.4	631.4	37.06	18.036	
11,300.0	11,253.7	11,258.2	11,253.7	21.3	15.2	39.18	92.6	39.2	668.4	631.3	37.16	17.989	
11,400.0	11,353.7	11,309.7	11,305.2	21.4	15.2	39.07	94.7	39.2	671.8	634.7	37.06	18.126	
11,479.8	11,433.5	11,350.0	11,345.1	21.4	15.2	38.77	100.2	39.1	680.0	642.9	37.08	18.341	
11,500.0	11,453.7	11,356.8	11,351.8	21.4	15.2	-140.69	101.4	39.1	683.2	646.2	36.97	18.477	
11,525.0	11,478.7	11,368.1	11,362.9	21.4	15.2	-140.44	103.7	39.1	688.5	651.5	37.02	18.598	
11,550.0	11,503.5	11,375.0	11,369.6	21.4	15.2	-140.03	105.3	39.1	695.2	658.1	37.09	18.746	
11,575.0	11,528.1	11,389.7	11,383.8	21.4	15.2	-139.69	108.8	39.1	703.3	666.2	37.14	18.939	
11,600.0	11,552.5	11,400.0	11,393.8	21.4	15.2	-139.17	111.6	39.0	712.8	675.6	37.21	19.158	
11,625.0	11,576.5	11,409.3	11,402.6	21.4	15.2	-138.51	114.3	39.0	723.7	686.4	37.29	19.406	
11,650.0	11,600.1	11,425.0	11,417.6	21.4	15.2	-137.98	119.2	39.0	735.9	698.6	37.34	19.708	
11,675.0	11,623.3	11,425.0	11,417.6	21.4	15.2	-136.70	119.2	39.0	749.2	711.7	37.49	19.987	
11,700.0	11,646.0	11,434.2	11,426.3	21.5	15.2	-135.63	122.3	38.9	763.8	726.2	37.58	20.326	
11,725.0	11,668.1	11,441.3	11,432.8	21.5	15.2	-134.28	124.8	38.9	779.4	741.7	37.68	20.686	
11,750.0	11,689.5	11,450.0	11,441.0	21.5	15.2	-132.83	128.0	38.9	796.1	758.3	37.76	21.081	
11,775.0	11,710.3	11,450.0	11,441.0	21.5	15.2	-130.60	128.0	38.9	813.7	775.8	37.91	21.464	
11,800.0	11,730.3	11,458.4	11,448.8	21.5	15.2	-128.63	131.3	38.8	832.2	794.2	37.98	21.909	
11,825.0	11,749.4	11,462.9	11,452.8	21.5	15.2	-126.08	133.1	38.8	851.5	813.4	38.08	22.361	
11,850.0	11,767.7	11,466.7	11,456.3	21.5	15.2	-123.11	134.6	38.8	871.5	833.3	38.17	22.831	
11,875.0	11,785.1	11,475.0	11,463.8	21.5	15.2	-120.17	138.1	38.8	892.1	853.9	38.21	23.348	
11,900.0	11,801.6	11,475.0	11,463.8	21.6	15.2	-115.98	138.1	38.8	913.2	874.9	38.31	23.839	
11,925.0	11,817.0	11,475.0	11,463.8	21.6	15.2	-111.26	138.1	38.8	934.8	896.5	38.39	24.348	
11,950.0	11,831.3	11,475.0	11,463.8	21.6	15.2	-106.00	138.1	38.8	956.8	918.4	38.47	24.875	
11,975.0	11,844.6	11,475.0	11,463.8	21.6	15.2	-100.23	138.1	38.8	979.1	940.6	38.52	25.416	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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	50.25	133.8	160.9	209.3	202.3	6.98	29.983	
100.0	100.0	100.0	100.0	3.1	3.1	50.25	133.8	160.9	209.3	202.1	7.23	28.966	
200.0	200.0	200.0	200.0	3.2	3.2	50.25	133.8	160.9	209.3	201.8	7.47	28.039	
300.0	300.0	300.0	300.0	3.4	3.4	50.25	133.8	160.9	209.3	201.6	7.70	27.189	
400.0	400.0	400.0	400.0	3.5	3.5	50.25	133.8	160.9	209.3	201.4	7.93	26.405	
500.0	500.0	500.0	500.0	3.6	3.6	50.25	133.8	160.9	209.3	201.2	8.15	25.680	
600.0	600.0	600.0	600.0	3.7	3.7	50.25	133.8	160.9	209.3	200.9	8.37	25.007	
700.0	700.0	700.0	700.0	3.9	3.9	50.25	133.8	160.9	209.3	200.7	8.59	24.378	
800.0	800.0	800.0	800.0	4.0	4.0	50.25	133.8	160.9	209.3	200.5	8.80	23.789	
900.0	900.0	900.0	900.0	4.1	4.1	50.25	133.8	160.9	209.3	200.3	9.01	23.237	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	50.25	133.8	160.9	209.3	200.1	9.21	22.716	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	50.25	133.8	160.9	209.3	199.9	9.42	22.225	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	50.25	133.8	160.9	209.3	199.7	9.62	21.760	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	50.25	133.8	160.9	209.3	199.5	9.82	21.320	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	50.25	133.8	160.9	209.3	199.3	10.01	20.901	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	50.25	133.8	160.9	209.3	199.1	10.21	20.503 CC, ES, SF	
1,600.0	1,600.0	1,594.1	1,594.1	5.0	4.9	-171.57	134.0	162.5	212.4	202.2	10.21	20.802	
1,700.0	1,699.8	1,687.7	1,687.5	5.2	5.0	-171.09	134.6	167.0	221.7	211.1	10.68	20.762	
1,800.0	1,799.5	1,780.1	1,779.7	5.5	5.2	-170.36	135.5	174.5	237.2	226.1	11.17	21.246	
1,900.0	1,898.7	1,876.5	1,875.5	5.8	5.4	-169.55	136.7	184.4	258.0	246.4	11.65	22.150	
2,000.0	1,997.5	1,973.5	1,972.0	6.1	5.7	-168.95	138.0	194.5	282.2	270.1	12.16	23.218	
2,100.0	2,095.9	2,070.0	2,068.0	6.3	5.9	-168.59	139.2	204.5	308.1	295.5	12.62	24.419	
2,200.0	2,194.4	2,166.6	2,164.0	6.6	6.2	-168.29	140.4	214.6	334.1	320.9	13.11	25.478	
2,300.0	2,292.9	2,263.2	2,260.1	6.9	6.4	-168.03	141.6	224.6	360.0	346.3	13.63	26.405	
2,400.0	2,391.4	2,359.7	2,356.1	7.2	6.7	-167.80	142.9	234.6	385.9	371.7	14.18	27.213	
2,500.0	2,489.9	2,456.3	2,452.2	7.5	7.0	-167.61	144.1	244.6	411.8	397.1	14.75	27.918	
2,600.0	2,588.3	2,552.9	2,548.2	7.9	7.3	-167.43	145.3	254.6	437.8	422.4	15.34	28.533	
2,700.0	2,686.8	2,649.5	2,644.3	8.2	7.6	-167.28	146.6	264.6	463.7	447.7	15.95	29.070	
2,800.0	2,785.3	2,746.0	2,740.3	8.6	7.9	-167.14	147.8	274.7	489.6	473.0	16.58	29.539	
2,900.0	2,883.8	2,842.6	2,836.3	9.0	8.3	-167.02	149.0	284.7	515.6	498.4	17.21	29.950	
3,000.0	2,982.3	2,939.2	2,932.4	9.3	8.6	-166.91	150.3	294.7	541.5	523.6	17.86	30.311	
3,100.0	3,080.8	3,035.7	3,028.4	9.7	8.9	-166.81	151.5	304.7	567.4	548.9	18.53	30.628	
3,200.0	3,179.2	3,132.3	3,124.5	10.1	9.3	-166.71	152.7	314.7	593.4	574.2	19.20	30.907	
3,300.0	3,277.7	3,228.9	3,220.5	10.5	9.6	-166.63	153.9	324.8	619.3	599.5	19.88	31.154	
3,400.0	3,376.2	3,325.5	3,316.5	10.9	9.9	-166.55	155.2	334.8	645.3	624.7	20.57	31.372	
3,500.0	3,474.7	3,422.0	3,412.6	11.3	10.3	-166.48	156.4	344.8	671.2	650.0	21.26	31.566	
3,600.0	3,573.2	3,518.6	3,508.6	11.7	10.6	-166.41	157.6	354.8	697.2	675.2	21.97	31.737	
3,700.0	3,671.6	3,615.2	3,604.7	12.1	11.0	-166.35	158.9	364.8	723.1	700.5	22.68	31.891	
3,800.0	3,770.1	3,711.7	3,700.7	12.6	11.4	-166.29	160.1	374.9	749.1	725.7	23.39	32.027	
3,900.0	3,868.6	3,808.3	3,796.8	13.0	11.7	-166.24	161.3	384.9	775.0	750.9	24.11	32.149	
4,000.0	3,967.1	3,904.9	3,892.8	13.4	12.1	-166.19	162.6	394.9	801.0	776.2	24.83	32.259	
4,100.0	4,065.6	4,001.5	3,988.8	13.8	12.4	-166.14	163.8	404.9	826.9	801.4	25.56	32.357	
4,200.0	4,164.0	4,098.0	4,084.9	14.2	12.8	-166.09	165.0	414.9	852.9	826.6	26.29	32.445	
4,300.0	4,262.5	4,206.2	4,192.5	14.7	13.2	-166.07	166.3	425.5	878.4	851.3	27.07	32.442	
4,400.0	4,361.0	4,318.8	4,304.8	15.1	13.6	-166.11	167.4	434.5	902.2	874.3	27.89	32.349	
4,500.0	4,459.5	4,432.4	4,418.2	15.5	14.0	-166.21	168.3	441.3	924.3	895.6	28.69	32.221	
4,545.2	4,504.0	4,484.0	4,469.7	15.7	14.1	-166.27	168.5	443.6	933.8	904.7	29.03	32.169	
4,600.0	4,558.0	4,546.9	4,532.5	15.9	14.3	-166.39	168.8	445.9	944.5	915.1	29.43	32.093	
4,700.0	4,656.8	4,662.4	4,648.1	16.4	14.6	-166.62	169.1	448.2	961.4	931.3	30.15	31.890	
4,800.0	4,755.8	4,770.2	4,755.8	16.8	14.8	-166.85	169.1	448.5	975.1	944.4	30.70	31.763	
4,900.0	4,855.1	4,869.5	4,855.1	17.2	14.8	-167.03	169.1	448.5	986.9	955.7	31.17	31.662	
5,000.0	4,954.6	4,968.9	4,954.6	17.6	14.9	-167.19	169.1	448.5	997.0	965.4	31.63	31.518	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	1.0	1.0	3.0	3.0	57.82	117.1	186.1	219.8	212.9	6.98	31.490		
100.0	100.0	101.0	101.0	3.1	3.1	57.82	117.1	186.1	219.8	212.6	7.23	30.419		
200.0	200.0	201.0	201.0	3.2	3.3	57.82	117.1	186.1	219.8	212.4	7.46	29.451		
300.0	300.0	301.0	301.0	3.4	3.4	57.82	117.1	186.1	219.8	212.1	7.70	28.566		
400.0	400.0	401.0	401.0	3.5	3.5	57.82	117.1	186.1	219.8	211.9	7.92	27.754		
500.0	500.0	501.0	501.0	3.6	3.6	57.82	117.1	186.1	219.8	211.7	8.14	27.003		
600.0	600.0	601.0	601.0	3.7	3.7	57.82	117.1	186.1	219.8	211.5	8.36	26.307		
700.0	700.0	701.0	701.0	3.9	3.9	57.82	117.1	186.1	219.8	211.3	8.57	25.659		
800.0	800.0	801.0	801.0	4.0	4.0	57.82	117.1	186.1	219.8	211.1	8.77	25.054		
900.0	900.0	901.0	901.0	4.1	4.1	57.82	117.1	186.1	219.8	210.9	8.98	24.486		
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	57.82	117.1	186.1	219.8	210.7	9.18	23.953		
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	57.82	117.1	186.1	219.8	210.5	9.37	23.450		
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	57.82	117.1	186.1	219.8	210.3	9.57	22.975		
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	57.82	117.1	186.1	219.8	210.1	9.76	22.524		
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	57.82	117.1	186.1	219.8	209.9	9.95	22.097		
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	57.82	117.1	186.1	219.8	209.8	10.07	21.827 CC		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	57.82	117.1	186.1	219.8	209.7	10.13	21.694 ES, SF		
1,600.0	1,600.0	1,594.5	1,594.4	5.0	4.9	-164.09	117.2	187.6	223.0	212.9	10.14	21.994		
1,700.0	1,699.8	1,687.4	1,687.3	5.2	5.0	-163.86	117.6	192.2	232.4	221.8	10.61	21.897		
1,800.0	1,799.5	1,779.3	1,778.9	5.5	5.2	-163.50	118.3	199.6	248.0	236.9	11.10	22.331		
1,900.0	1,898.7	1,869.6	1,868.6	5.8	5.5	-163.05	119.2	209.8	269.7	258.0	11.61	23.224		
2,000.0	1,997.5	1,957.9	1,955.9	6.1	5.8	-162.56	120.3	222.4	297.3	285.2	12.13	24.499		
2,100.0	2,095.9	2,048.7	2,045.4	6.3	6.0	-162.18	121.6	237.8	328.8	316.2	12.60	26.090		
2,200.0	2,194.4	2,143.5	2,138.8	6.6	6.3	-161.83	123.0	254.2	360.6	347.5	13.10	27.534		
2,300.0	2,292.9	2,238.3	2,232.1	6.9	6.6	-161.54	124.5	270.6	392.5	378.8	13.63	28.802		
2,400.0	2,391.4	2,333.1	2,325.5	7.2	6.9	-161.28	125.9	287.0	424.3	410.1	14.18	29.914		
2,500.0	2,489.9	2,427.8	2,418.8	7.5	7.2	-161.07	127.3	303.4	456.1	441.4	14.77	30.888		
2,600.0	2,588.3	2,522.6	2,512.1	7.9	7.5	-160.88	128.8	319.8	488.0	472.6	15.37	31.742		
2,700.0	2,686.8	2,617.4	2,605.5	8.2	7.8	-160.72	130.2	336.2	519.9	503.9	16.00	32.490		
2,800.0	2,785.3	2,712.2	2,698.8	8.6	8.2	-160.57	131.7	352.6	551.7	535.1	16.64	33.147		
2,900.0	2,883.8	2,807.0	2,792.2	9.0	8.5	-160.44	133.1	369.0	583.6	566.3	17.30	33.726		
3,000.0	2,982.3	2,901.7	2,885.5	9.3	8.9	-160.33	134.5	385.4	615.5	597.5	17.98	34.235		
3,100.0	3,080.8	2,996.5	2,978.8	9.7	9.2	-160.22	136.0	401.8	647.3	628.7	18.66	34.685		
3,200.0	3,179.2	3,091.3	3,072.2	10.1	9.6	-160.13	137.4	418.2	679.2	659.8	19.36	35.084		
3,300.0	3,277.7	3,186.1	3,165.5	10.5	10.0	-160.04	138.8	434.6	711.1	691.0	20.07	35.438		
3,400.0	3,376.2	3,280.9	3,258.9	10.9	10.4	-159.96	140.3	451.0	742.9	722.2	20.78	35.753		
3,500.0	3,474.7	3,375.6	3,352.2	11.3	10.7	-159.89	141.7	467.4	774.8	753.3	21.50	36.034		
3,600.0	3,573.2	3,470.4	3,445.5	11.7	11.1	-159.82	143.1	483.8	806.7	784.5	22.23	36.286		
3,700.0	3,671.6	3,565.2	3,538.9	12.1	11.5	-159.76	144.6	500.2	838.6	815.6	22.97	36.511		
3,800.0	3,770.1	3,660.0	3,632.2	12.6	11.9	-159.70	146.0	516.6	870.5	846.7	23.71	36.714		
3,900.0	3,868.6	3,754.7	3,725.6	13.0	12.3	-159.65	147.4	533.0	902.3	877.9	24.46	36.897		
4,000.0	3,967.1	3,849.5	3,818.9	13.4	12.7	-159.60	148.9	549.4	934.2	909.0	25.21	37.062		
4,100.0	4,065.6	3,944.3	3,912.2	13.8	13.1	-159.55	150.3	565.8	966.1	940.1	25.96	37.211		
4,200.0	4,164.0	4,039.1	4,005.6	14.2	13.5	-159.51	151.7	582.2	998.0	971.3	26.72	37.347		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11557-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	1.0	1.0	3.0	3.0	64.60	100.3	211.3	233.9	226.9	6.98	33.501		
100.0	100.0	101.0	101.0	3.1	3.1	64.60	100.3	211.3	233.9	226.6	7.23	32.364		
200.0	200.0	201.0	201.0	3.2	3.3	64.60	100.3	211.3	233.9	226.4	7.46	31.338		
300.0	300.0	301.0	301.0	3.4	3.4	64.60	100.3	211.3	233.9	226.2	7.69	30.404		
400.0	400.0	401.0	401.0	3.5	3.5	64.60	100.3	211.3	233.9	226.0	7.92	29.548		
500.0	500.0	501.0	501.0	3.6	3.6	64.60	100.3	211.3	233.9	225.7	8.13	28.758		
600.0	600.0	601.0	601.0	3.7	3.7	64.60	100.3	211.3	233.9	225.5	8.34	28.028		
700.0	700.0	701.0	701.0	3.9	3.9	64.60	100.3	211.3	233.9	225.3	8.55	27.349		
800.0	800.0	801.0	801.0	4.0	4.0	64.60	100.3	211.3	233.9	225.1	8.75	26.715		
900.0	900.0	901.0	901.0	4.1	4.1	64.60	100.3	211.3	233.9	224.9	8.95	26.123		
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	64.60	100.3	211.3	233.9	224.7	9.15	25.566		
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	64.60	100.3	211.3	233.9	224.5	9.34	25.042		
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	64.60	100.3	211.3	233.9	224.3	9.53	24.548		
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	64.60	100.3	211.3	233.9	224.2	9.71	24.080		
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	64.60	100.3	211.3	233.9	224.0	9.89	23.636		
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	64.60	100.3	211.3	233.9	223.9	10.01	23.356 CC		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	64.60	100.3	211.3	233.9	223.8	10.07	23.218 ES, SF		
1,600.0	1,600.0	1,593.8	1,593.8	5.0	4.9	-157.39	100.4	212.8	237.0	226.9	10.07	23.525		
1,700.0	1,699.8	1,686.2	1,686.1	5.2	5.0	-157.35	100.6	217.3	246.4	235.8	10.55	23.351		
1,800.0	1,799.5	1,777.5	1,777.1	5.5	5.2	-157.28	101.0	224.7	261.8	250.8	11.04	23.711		
1,900.0	1,898.7	1,867.3	1,866.3	5.8	5.5	-157.19	101.6	234.7	283.3	271.8	11.55	24.533		
2,000.0	1,997.5	1,955.0	1,953.1	6.1	5.8	-157.07	102.2	247.3	310.7	298.7	12.07	25.741		
2,100.0	2,095.9	2,040.9	2,037.7	6.3	6.1	-157.09	103.0	262.1	342.3	329.8	12.54	27.298		
2,200.0	2,194.4	2,125.1	2,120.2	6.6	6.3	-156.94	103.9	279.1	376.5	363.5	13.02	28.916		
2,300.0	2,292.9	2,208.6	2,201.4	6.9	6.6	-156.68	104.9	298.3	413.3	399.7	13.52	30.567		
2,400.0	2,391.4	2,301.2	2,291.2	7.2	6.9	-156.38	106.1	320.7	451.0	436.9	14.07	32.054		
2,500.0	2,489.9	2,393.8	2,381.1	7.5	7.2	-156.12	107.2	343.1	488.7	474.1	14.65	33.362		
2,600.0	2,588.3	2,486.4	2,470.9	7.9	7.6	-155.91	108.4	365.4	526.5	511.2	15.25	34.514		
2,700.0	2,686.8	2,578.9	2,560.7	8.2	7.9	-155.72	109.6	387.8	564.2	548.3	15.88	35.530		
2,800.0	2,785.3	2,671.5	2,650.6	8.6	8.2	-155.55	110.8	410.2	602.0	585.5	16.53	36.425		
2,900.0	2,883.8	2,764.1	2,740.4	9.0	8.6	-155.41	111.9	432.5	639.7	622.5	17.19	37.216		
3,000.0	2,982.3	2,856.7	2,830.2	9.3	9.0	-155.28	113.1	454.9	677.5	659.6	17.87	37.917		
3,100.0	3,080.8	2,949.3	2,920.1	9.7	9.3	-155.16	114.3	477.3	715.3	696.7	18.56	38.538		
3,200.0	3,179.2	3,041.9	3,009.9	10.1	9.7	-155.06	115.4	499.6	753.0	733.8	19.26	39.091		
3,300.0	3,277.7	3,134.5	3,099.8	10.5	10.1	-154.96	116.6	522.0	790.8	770.8	19.98	39.583		
3,400.0	3,376.2	3,227.0	3,189.6	10.9	10.5	-154.88	117.8	544.4	828.6	807.9	20.70	40.023		
3,500.0	3,474.7	3,319.6	3,279.4	11.3	10.9	-154.80	119.0	566.7	866.4	844.9	21.43	40.418		
3,600.0	3,573.2	3,412.2	3,369.3	11.7	11.3	-154.73	120.1	589.1	904.1	882.0	22.18	40.772		
3,700.0	3,671.6	3,504.8	3,459.1	12.1	11.7	-154.66	121.3	611.5	941.9	919.0	22.92	41.091		
3,800.0	3,770.1	3,597.4	3,548.9	12.6	12.1	-154.60	122.5	633.8	979.7	956.0	23.68	41.379		

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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	
0.0	0.0	1.0	1.0	3.0	3.0	70.56	83.4	236.3	250.6	243.6	6.98	35.897	
100.0	100.0	101.0	101.0	3.1	3.1	70.56	83.4	236.3	250.6	243.4	7.23	34.680	
200.0	200.0	201.0	201.0	3.2	3.3	70.56	83.4	236.3	250.6	243.1	7.46	33.585	
300.0	300.0	301.0	301.0	3.4	3.4	70.56	83.4	236.3	250.6	242.9	7.69	32.589	
400.0	400.0	401.0	401.0	3.5	3.5	70.56	83.4	236.3	250.6	242.7	7.91	31.677	
500.0	500.0	501.0	501.0	3.6	3.6	70.56	83.4	236.3	250.6	242.5	8.13	30.839	
600.0	600.0	601.0	601.0	3.7	3.7	70.56	83.4	236.3	250.6	242.3	8.34	30.064	
700.0	700.0	701.0	701.0	3.9	3.9	70.56	83.4	236.3	250.6	242.1	8.54	29.345	
800.0	800.0	801.0	801.0	4.0	4.0	70.56	83.4	236.3	250.6	241.9	8.74	28.675	
900.0	900.0	901.0	901.0	4.1	4.1	70.56	83.4	236.3	250.6	241.7	8.93	28.048	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	70.56	83.4	236.3	250.6	241.5	9.13	27.461	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	70.56	83.4	236.3	250.6	241.3	9.31	26.908	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	70.56	83.4	236.3	250.6	241.1	9.50	26.387	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	70.56	83.4	236.3	250.6	240.9	9.68	25.895	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	70.56	83.4	236.3	250.6	240.7	9.85	25.429	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	70.56	83.4	236.3	250.6	240.6	9.97	25.134 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	70.56	83.4	236.3	250.6	240.6	10.03	24.989 ES, SF	
1,600.0	1,600.0	1,593.2	1,593.2	5.0	4.9	-151.48	83.4	237.8	253.7	243.7	10.02	25.308	
1,700.0	1,699.8	1,684.9	1,684.8	5.2	5.0	-151.58	83.5	242.3	262.9	252.4	10.50	25.047	
1,800.0	1,799.5	1,775.6	1,775.2	5.5	5.2	-151.74	83.6	249.6	278.1	267.1	10.98	25.318	
1,900.0	1,898.7	1,864.8	1,863.9	5.8	5.5	-151.91	83.8	259.5	299.3	287.8	11.49	26.053	
2,000.0	1,997.5	1,952.1	1,950.2	6.1	5.8	-152.08	84.0	271.9	326.3	314.3	12.01	27.175	
2,100.0	2,095.9	2,037.5	2,034.4	6.3	6.0	-152.41	84.3	286.6	357.5	345.1	12.48	28.653	
2,200.0	2,194.4	2,121.4	2,116.5	6.6	6.3	-152.56	84.6	303.4	391.4	378.4	12.96	30.201	
2,300.0	2,292.9	2,200.0	2,193.1	6.9	6.6	-152.56	84.9	321.4	427.8	414.4	13.42	31.872	
2,400.0	2,391.4	2,283.9	2,274.1	7.2	6.9	-152.45	85.3	342.9	466.6	452.7	13.96	33.436	
2,500.0	2,489.9	2,372.8	2,359.6	7.5	7.2	-152.28	85.7	367.3	507.1	492.6	14.52	34.936	
2,600.0	2,588.3	2,464.2	2,447.5	7.9	7.6	-152.12	86.1	392.5	547.7	532.6	15.11	36.240	
2,700.0	2,686.8	2,555.6	2,535.4	8.2	7.9	-151.99	86.6	417.7	588.2	572.5	15.73	37.391	
2,800.0	2,785.3	2,647.0	2,623.2	8.6	8.2	-151.88	87.0	442.9	628.8	612.4	16.37	38.406	
2,900.0	2,883.8	2,738.4	2,711.1	9.0	8.6	-151.78	87.5	468.1	669.3	652.3	17.03	39.304	
3,000.0	2,982.3	2,829.8	2,798.9	9.3	8.9	-151.69	87.9	493.3	709.9	692.2	17.70	40.098	
3,100.0	3,080.8	2,921.2	2,886.8	9.7	9.3	-151.61	88.3	518.5	750.4	732.0	18.39	40.802	
3,200.0	3,179.2	3,012.6	2,974.7	10.1	9.7	-151.53	88.8	543.7	791.0	771.9	19.09	41.429	
3,300.0	3,277.7	3,104.0	3,062.5	10.5	10.1	-151.47	89.2	568.9	831.6	811.8	19.81	41.987	
3,400.0	3,376.2	3,195.4	3,150.4	10.9	10.5	-151.41	89.7	594.0	872.1	851.6	20.53	42.486	
3,500.0	3,474.7	3,286.8	3,238.2	11.3	10.9	-151.36	90.1	619.2	912.7	891.4	21.26	42.932	
3,600.0	3,573.2	3,378.2	3,326.1	11.7	11.3	-151.31	90.5	644.4	953.2	931.2	22.00	43.333	
3,700.0	3,671.6	3,469.6	3,414.0	12.1	11.7	-151.26	91.0	669.6	993.8	971.1	22.74	43.693	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-56.15	16.7	-25.0	30.1	23.1	6.98	4.311	
100.0	100.0	99.0	99.0	3.1	3.1	-56.15	16.7	-25.0	30.1	22.8	7.22	4.163	
200.0	200.0	199.0	199.0	3.2	3.2	-56.15	16.7	-25.0	30.1	22.6	7.46	4.029	
300.0	300.0	299.0	299.0	3.4	3.4	-56.15	16.7	-25.0	30.1	22.4	7.69	3.908	
400.0	400.0	399.0	399.0	3.5	3.5	-56.15	16.7	-25.0	30.1	22.1	7.92	3.796	
500.0	500.0	499.0	499.0	3.6	3.6	-56.15	16.7	-25.0	30.1	21.9	8.14	3.693	
600.0	600.0	599.0	599.0	3.7	3.7	-56.15	16.7	-25.0	30.1	21.7	8.36	3.598	
700.0	700.0	699.0	699.0	3.9	3.9	-56.15	16.7	-25.0	30.1	21.5	8.57	3.509	
800.0	800.0	799.0	799.0	4.0	4.0	-56.15	16.7	-25.0	30.1	21.3	8.78	3.425	
900.0	900.0	899.0	899.0	4.1	4.1	-56.15	16.7	-25.0	30.1	21.1	8.98	3.347	
1,000.0	1,000.0	999.0	999.0	4.2	4.2	-56.15	16.7	-25.0	30.1	20.9	9.18	3.274	
1,100.0	1,100.0	1,099.0	1,099.0	4.3	4.3	-56.15	16.7	-25.0	30.1	20.7	9.38	3.205	
1,200.0	1,200.0	1,199.0	1,199.0	4.5	4.5	-56.15	16.7	-25.0	30.1	20.5	9.58	3.139	
1,300.0	1,300.0	1,299.0	1,299.0	4.6	4.6	-56.15	16.7	-25.0	30.1	20.3	9.77	3.077	
1,400.0	1,400.0	1,399.0	1,399.0	4.7	4.7	-56.15	16.7	-25.0	30.1	20.1	9.96	3.019	
1,500.0	1,500.0	1,499.0	1,499.0	4.8	4.8	-56.15	16.7	-25.0	30.1	19.9	10.15	2.963 CC, ES	
1,600.0	1,600.0	1,598.8	1,598.7	5.0	5.0	81.98	15.6	-26.2	30.2	20.2	9.99	3.023	
1,700.0	1,699.8	1,698.5	1,698.4	5.2	5.2	82.21	12.1	-30.0	30.6	20.3	10.31	2.974	
1,800.0	1,799.5	1,798.3	1,797.7	5.5	5.4	82.54	6.2	-36.3	31.4	20.8	10.62	2.956	
1,900.0	1,898.7	1,898.0	1,896.8	5.8	5.7	82.95	-2.1	-45.2	32.4	21.5	10.93	2.967	
2,000.0	1,997.5	1,997.8	1,995.3	6.1	6.0	83.43	-12.7	-56.5	33.7	22.5	11.24	3.003	
2,100.0	2,095.9	2,097.5	2,093.2	6.3	6.4	81.19	-25.6	-70.4	35.6	24.0	11.56	3.080	
2,200.0	2,194.4	2,197.0	2,190.1	6.6	6.7	74.24	-40.8	-86.7	38.6	26.6	11.95	3.229	
2,300.0	2,292.9	2,296.7	2,286.9	6.9	7.0	66.15	-57.2	-104.3	42.9	30.4	12.49	3.437	
2,400.0	2,391.4	2,396.5	2,383.7	7.2	7.4	59.64	-73.7	-122.0	48.0	34.8	13.12	3.654	
2,500.0	2,489.9	2,496.2	2,480.5	7.5	7.7	54.41	-90.2	-139.6	53.5	39.7	13.82	3.870	
2,600.0	2,588.3	2,595.9	2,577.2	7.9	8.0	50.19	-106.6	-157.3	59.4	44.8	14.56	4.078	
2,700.0	2,686.8	2,695.7	2,674.0	8.2	8.4	46.75	-123.1	-174.9	65.5	50.2	15.33	4.275	
2,800.0	2,785.3	2,795.4	2,770.8	8.6	8.8	43.90	-139.5	-192.6	71.9	55.8	16.12	4.459	
2,900.0	2,883.8	2,895.2	2,867.6	9.0	9.2	41.52	-156.0	-210.2	78.4	61.4	16.92	4.632	
3,000.0	2,982.3	2,994.9	2,964.3	9.3	9.6	39.51	-172.4	-227.8	85.0	67.2	17.73	4.791	
3,100.0	3,080.8	3,094.6	3,061.1	9.7	10.0	37.79	-188.9	-245.5	91.7	73.1	18.56	4.939	
3,200.0	3,179.2	3,194.4	3,157.9	10.1	10.4	36.30	-205.3	-263.1	98.4	79.0	19.39	5.075	
3,300.0	3,277.7	3,294.1	3,254.7	10.5	10.8	35.01	-221.8	-280.8	105.3	85.0	20.24	5.202	
3,400.0	3,376.2	3,393.9	3,351.5	10.9	11.3	33.88	-238.3	-298.4	112.1	91.1	21.08	5.318	
3,500.0	3,474.7	3,493.6	3,448.2	11.3	11.7	32.87	-254.7	-316.1	119.0	97.1	21.94	5.426	
3,600.0	3,573.2	3,593.3	3,545.0	11.7	12.1	31.98	-271.2	-333.7	126.0	103.2	22.80	5.526	
3,700.0	3,671.6	3,693.1	3,641.8	12.1	12.6	31.18	-287.6	-351.4	133.0	109.3	23.66	5.619	
3,800.0	3,770.1	3,792.8	3,738.6	12.6	13.0	30.46	-304.1	-369.0	140.0	115.4	24.53	5.705	
3,900.0	3,868.6	3,892.6	3,835.3	13.0	13.5	29.80	-320.5	-386.7	147.0	121.6	25.41	5.785	
4,000.0	3,967.1	3,992.3	3,932.1	13.4	13.9	29.21	-337.0	-404.3	154.0	127.7	26.28	5.860	
4,100.0	4,065.6	4,092.0	4,028.9	13.8	14.4	28.67	-353.5	-422.0	161.0	133.9	27.16	5.929	
4,200.0	4,164.0	4,191.8	4,125.7	14.2	14.8	28.18	-369.9	-439.6	168.1	140.1	28.04	5.994	
4,300.0	4,262.5	4,291.5	4,222.5	14.7	15.3	27.72	-386.4	-457.3	175.2	146.2	28.93	6.055	
4,400.0	4,361.0	4,391.3	4,319.2	15.1	15.7	27.30	-402.8	-474.9	182.3	152.4	29.82	6.113	
4,500.0	4,459.5	4,491.0	4,416.0	15.5	16.2	26.91	-419.3	-492.6	189.3	158.6	30.71	6.166	
4,545.2	4,504.0	4,536.1	4,459.8	15.7	16.4	26.75	-426.7	-500.5	192.6	161.5	31.10	6.192	
4,600.0	4,558.0	4,590.7	4,512.8	15.9	16.7	26.54	-435.7	-510.2	196.7	165.1	31.58	6.229	
4,700.0	4,656.8	4,690.3	4,609.4	16.4	17.1	26.01	-452.2	-527.8	205.4	172.9	32.49	6.322	
4,800.0	4,755.8	4,789.8	4,705.9	16.8	17.6	25.35	-468.6	-545.4	215.8	182.3	33.42	6.455	
4,900.0	4,855.1	4,889.0	4,802.2	17.2	18.0	24.56	-484.9	-563.0	227.7	193.3	34.36	6.626	
5,000.0	4,954.6	4,988.0	4,898.2	17.6	18.5	23.70	-501.3	-580.5	241.3	206.0	35.31	6.833	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,054.2	5,086.7	4,994.0	17.9	19.0	22.79	-517.6	-598.0	256.5	220.2	36.25	7.076	
5,200.0	5,153.9	5,185.2	5,089.6	18.3	19.4	21.85	-533.8	-615.4	273.3	236.2	37.17	7.354	
5,300.0	5,253.8	5,283.3	5,184.8	18.6	19.9	20.91	-550.0	-632.7	291.9	253.8	38.08	7.665	
5,400.0	5,353.7	5,381.1	5,279.7	18.9	20.4	19.98	-566.1	-650.0	312.1	273.2	38.96	8.012	
5,500.0	5,453.7	5,478.5	5,374.2	19.2	20.8	19.08	-582.2	-667.3	334.1	294.3	39.79	8.396	
5,545.2	5,498.9	5,522.4	5,416.8	19.3	21.0	-119.32	-589.5	-675.0	344.5	304.4	40.10	8.592	
5,600.0	5,553.7	5,576.9	5,469.6	19.3	21.3	-119.83	-598.4	-684.7	357.4	317.0	40.43	8.840	
5,700.0	5,653.7	5,680.7	5,570.7	19.3	21.8	-120.67	-614.7	-702.1	379.8	338.8	41.08	9.245	
5,800.0	5,753.7	5,785.5	5,673.1	19.3	22.3	-121.36	-629.8	-718.3	400.6	358.9	41.71	9.603	
5,900.0	5,853.7	5,891.0	5,776.6	19.3	22.7	-121.94	-643.8	-733.3	419.6	377.3	42.32	9.916	
6,000.0	5,953.7	5,997.2	5,881.2	19.4	23.2	-122.41	-656.5	-746.9	436.9	394.0	42.89	10.186	
6,100.0	6,053.7	6,104.1	5,986.7	19.4	23.7	-122.81	-668.0	-759.2	452.4	408.9	43.44	10.414	
6,200.0	6,153.7	6,211.7	6,093.2	19.4	24.1	-123.14	-678.1	-770.2	466.0	422.1	43.95	10.603	
6,300.0	6,253.7	6,319.7	6,200.5	19.5	24.6	-123.40	-687.0	-779.7	477.9	433.4	44.44	10.753	
6,400.0	6,353.7	6,428.2	6,308.4	19.5	25.0	-123.62	-694.5	-787.7	487.9	443.0	44.90	10.867	
6,500.0	6,453.7	6,537.1	6,416.9	19.5	25.4	-123.79	-700.6	-794.3	496.0	450.7	45.31	10.947	
6,600.0	6,553.7	6,646.3	6,525.9	19.6	25.8	-123.92	-705.4	-799.4	502.3	456.6	45.69	10.994	
6,700.0	6,653.7	6,755.7	6,635.2	19.6	26.2	-124.00	-708.7	-802.9	506.7	460.7	46.02	11.011	
6,800.0	6,753.7	6,865.3	6,744.8	19.6	26.5	-124.05	-710.6	-805.0	509.2	462.9	46.28	11.003	
6,900.0	6,853.7	6,973.3	6,852.7	19.7	26.6	-124.07	-711.1	-805.5	509.9	463.5	46.38	10.994	
7,000.0	6,953.7	7,073.3	6,952.7	19.7	26.7	-124.07	-711.1	-805.5	509.9	463.5	46.42	10.984	
7,100.0	7,053.7	7,173.3	7,052.7	19.7	26.7	-124.07	-711.1	-805.5	509.9	463.4	46.47	10.973	
7,200.0	7,153.7	7,273.3	7,152.7	19.7	26.7	-124.07	-711.1	-805.5	509.9	463.4	46.51	10.962	
7,300.0	7,253.7	7,373.3	7,252.7	19.8	26.7	-124.07	-711.1	-805.5	509.9	463.3	46.56	10.950	
7,400.0	7,353.7	7,473.3	7,352.7	19.8	26.7	-124.07	-711.1	-805.5	509.9	463.3	46.61	10.939	
7,500.0	7,453.7	7,573.3	7,452.7	19.8	26.8	-124.07	-711.1	-805.5	509.9	463.2	46.66	10.927	
7,600.0	7,553.7	7,673.3	7,552.7	19.9	26.8	-124.07	-711.1	-805.5	509.9	463.2	46.71	10.916	
7,700.0	7,653.7	7,773.3	7,652.7	19.9	26.8	-124.07	-711.1	-805.5	509.9	463.1	46.76	10.904	
7,800.0	7,753.7	7,873.3	7,752.7	20.0	26.8	-124.07	-711.1	-805.5	509.9	463.1	46.81	10.892	
7,900.0	7,853.7	7,973.3	7,852.7	20.0	26.8	-124.07	-711.1	-805.5	509.9	463.0	46.86	10.880	
8,000.0	7,953.7	8,073.3	7,952.7	20.0	26.9	-124.07	-711.1	-805.5	509.9	463.0	46.92	10.868	
8,100.0	8,053.7	8,173.3	8,052.7	20.1	26.9	-124.07	-711.1	-805.5	509.9	462.9	46.97	10.856	
8,200.0	8,153.7	8,273.3	8,152.7	20.1	26.9	-124.07	-711.1	-805.5	509.9	462.9	47.02	10.844	
8,300.0	8,253.7	8,373.3	8,252.7	20.1	26.9	-124.07	-711.1	-805.5	509.9	462.8	47.07	10.831	
8,400.0	8,353.7	8,473.3	8,352.7	20.2	27.0	-124.07	-711.1	-805.5	509.9	462.7	47.13	10.819	
8,500.0	8,453.7	8,573.3	8,452.7	20.2	27.0	-124.07	-711.1	-805.5	509.9	462.7	47.18	10.806	
8,600.0	8,553.7	8,673.3	8,552.7	20.2	27.0	-124.07	-711.1	-805.5	509.9	462.6	47.24	10.794	
8,700.0	8,653.7	8,773.3	8,652.7	20.3	27.0	-124.07	-711.1	-805.5	509.9	462.6	47.29	10.781	
8,800.0	8,753.7	8,873.3	8,752.7	20.3	27.0	-124.07	-711.1	-805.5	509.9	462.5	47.35	10.768	
8,900.0	8,853.7	8,973.3	8,852.7	20.3	27.1	-124.07	-711.1	-805.5	509.9	462.5	47.41	10.756	
9,000.0	8,953.7	9,073.3	8,952.7	20.4	27.1	-124.07	-711.1	-805.5	509.9	462.4	47.46	10.743	
9,100.0	9,053.7	9,173.3	9,052.7	20.4	27.1	-124.07	-711.1	-805.5	509.9	462.4	47.52	10.730	
9,200.0	9,153.7	9,273.3	9,152.7	20.5	27.1	-124.07	-711.1	-805.5	509.9	462.3	47.58	10.717	
9,300.0	9,253.7	9,373.3	9,252.7	20.5	27.2	-124.07	-711.1	-805.5	509.9	462.2	47.64	10.704	
9,400.0	9,353.7	9,473.3	9,352.7	20.5	27.2	-124.07	-711.1	-805.5	509.9	462.2	47.69	10.690	
9,500.0	9,453.7	9,573.3	9,452.7	20.6	27.2	-124.07	-711.1	-805.5	509.9	462.1	47.75	10.677	
9,600.0	9,553.7	9,673.3	9,552.7	20.6	27.2	-124.07	-711.1	-805.5	509.9	462.1	47.81	10.664	
9,700.0	9,653.7	9,773.3	9,652.7	20.7	27.3	-124.07	-711.1	-805.5	509.9	462.0	47.87	10.650	
9,800.0	9,753.7	9,873.3	9,752.7	20.7	27.3	-124.07	-711.1	-805.5	509.9	461.9	47.93	10.637	
9,900.0	9,853.7	9,973.3	9,852.7	20.7	27.3	-124.07	-711.1	-805.5	509.9	461.9	48.00	10.623	
10,000.0	9,953.7	10,073.3	9,952.7	20.8	27.3	-124.07	-711.1	-805.5	509.9	461.8	48.06	10.610	
10,100.0	10,053.7	10,173.3	10,052.7	20.8	27.4	-124.07	-711.1	-805.5	509.9	461.8	48.12	10.596	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.0	10,153.7	10,273.3	10,152.7	20.9	27.4	-124.07	-711.1	-805.5	509.9	461.7	48.18	10.582	
10,300.0	10,253.7	10,373.3	10,252.7	20.9	27.4	-124.07	-711.1	-805.5	509.9	461.6	48.25	10.568	
10,400.0	10,353.7	10,473.3	10,352.7	20.9	27.4	-124.07	-711.1	-805.5	509.9	461.6	48.31	10.555	
10,500.0	10,453.7	10,573.3	10,452.7	21.0	27.5	-124.07	-711.1	-805.5	509.9	461.5	48.37	10.541	
10,600.0	10,553.7	10,673.3	10,552.7	21.0	27.5	-124.07	-711.1	-805.5	509.9	461.4	48.44	10.527	
10,700.0	10,653.7	10,773.3	10,652.7	21.1	27.5	-124.07	-711.1	-805.5	509.9	461.4	48.50	10.513	
10,800.0	10,753.7	10,873.3	10,752.7	21.1	27.5	-124.07	-711.1	-805.5	509.9	461.3	48.57	10.498	
10,900.0	10,853.7	10,973.3	10,852.7	21.1	27.6	-124.07	-711.1	-805.5	509.9	461.2	48.63	10.484	
11,000.0	10,953.7	11,073.3	10,952.7	21.2	27.6	-124.07	-711.1	-805.5	509.9	461.2	48.70	10.470	
11,100.0	11,053.7	11,173.3	11,052.7	21.2	27.6	-124.07	-711.1	-805.5	509.9	461.1	48.77	10.456	
11,200.0	11,153.7	11,273.3	11,152.7	21.3	27.7	-124.07	-711.1	-805.5	509.9	461.0	48.83	10.441	
11,300.0	11,253.7	11,373.3	11,252.7	21.3	27.7	-124.07	-711.1	-805.5	509.9	461.0	48.89	10.428	
11,400.0	11,353.7	11,437.9	11,317.2	21.4	27.7	-124.40	-714.7	-805.5	513.1	463.8	49.28	10.412	
11,479.8	11,433.5	11,486.5	11,365.0	21.4	27.7	-125.18	-723.1	-805.4	521.0	471.3	49.76	10.471	
11,500.0	11,453.7	11,500.0	11,378.2	21.4	27.7	54.68	-726.3	-805.4	523.6	473.8	49.73	10.528	
11,525.0	11,478.7	11,513.4	11,391.1	21.4	27.7	54.17	-729.9	-805.4	526.5	476.6	49.87	10.556	
11,550.0	11,503.5	11,525.0	11,402.2	21.4	27.7	53.73	-733.2	-805.3	529.1	479.1	50.02	10.577	
11,575.0	11,528.1	11,543.1	11,419.3	21.4	27.7	53.26	-739.0	-805.3	531.4	481.3	50.12	10.603	
11,600.0	11,552.5	11,557.9	11,433.2	21.4	27.7	52.90	-744.2	-805.3	533.4	483.2	50.22	10.620	
11,625.0	11,576.5	11,575.0	11,449.0	21.4	27.7	52.57	-750.7	-805.2	535.1	484.8	50.31	10.636	
11,650.0	11,600.1	11,587.4	11,460.4	21.4	27.7	52.35	-755.8	-805.2	536.5	486.0	50.42	10.640	
11,675.0	11,623.3	11,600.0	11,471.7	21.4	27.7	52.17	-761.3	-805.2	537.5	487.0	50.51	10.642	
11,700.0	11,646.0	11,616.9	11,486.7	21.5	27.7	52.03	-769.1	-805.1	538.3	487.7	50.58	10.643	
11,725.0	11,668.1	11,631.7	11,499.5	21.5	27.7	51.96	-776.4	-805.1	538.7	488.0	50.64	10.637	
11,750.0	11,689.5	11,650.0	11,515.2	21.5	27.7	51.95	-785.9	-805.0	538.8	488.1	50.68	10.630	
11,775.0	11,710.3	11,661.2	11,524.5	21.5	27.8	51.99	-792.0	-805.0	538.5	487.7	50.74	10.612	
11,800.0	11,730.3	11,675.0	11,535.9	21.5	27.8	52.09	-799.9	-804.9	537.9	487.1	50.78	10.593	
11,825.0	11,749.4	11,690.7	11,548.5	21.5	27.8	52.26	-809.2	-804.8	537.0	486.2	50.80	10.571	
11,850.0	11,767.7	11,705.5	11,560.1	21.5	27.8	52.48	-818.4	-804.8	535.7	484.9	50.81	10.545	
11,875.0	11,785.1	11,725.0	11,575.0	21.5	27.8	52.80	-831.0	-804.7	534.2	483.4	50.80	10.515	
11,900.0	11,801.6	11,735.0	11,582.4	21.6	27.8	53.09	-837.7	-804.7	532.3	481.5	50.78	10.482	
11,925.0	11,817.0	11,750.0	11,593.3	21.6	27.8	53.49	-848.1	-804.6	530.1	479.4	50.75	10.446	
11,950.0	11,831.3	11,764.7	11,603.6	21.6	27.8	53.94	-858.5	-804.5	527.7	477.0	50.70	10.407	
11,975.0	11,844.6	11,775.0	11,610.6	21.6	27.8	54.38	-866.1	-804.5	524.9	474.3	50.62	10.370	
12,000.0	11,856.8	11,794.4	11,623.5	21.6	27.8	55.04	-880.7	-804.4	521.9	471.3	50.56	10.322	
12,025.0	11,867.7	11,809.4	11,632.9	21.7	27.8	55.68	-892.2	-804.3	518.6	468.1	50.46	10.277	
12,050.0	11,877.5	11,825.0	11,642.4	21.7	27.8	56.40	-904.6	-804.2	515.0	464.7	50.34	10.230	
12,075.0	11,886.1	11,839.3	11,650.8	21.7	27.8	57.14	-916.3	-804.1	511.2	461.0	50.20	10.184	
12,100.0	11,893.5	11,850.0	11,656.7	21.7	27.8	57.84	-925.1	-804.1	507.3	457.3	50.00	10.145	
12,125.0	11,899.5	11,869.5	11,667.2	21.7	27.9	58.86	-941.6	-804.0	503.1	453.2	49.87	10.088	
12,150.0	11,904.3	11,884.6	11,674.8	21.8	27.9	59.82	-954.7	-803.9	498.7	449.0	49.67	10.041	
12,175.0	11,907.9	11,900.0	11,682.1	21.8	27.9	60.84	-968.2	-803.8	494.2	444.7	49.45	9.994	
12,200.0	11,910.1	11,915.2	11,688.9	21.8	27.9	61.92	-981.7	-803.7	489.5	440.3	49.20	9.949	
12,225.0	11,911.0	11,930.5	11,695.3	21.8	27.9	63.06	-995.7	-803.6	484.8	435.9	48.94	9.906	
12,229.8	11,911.0	11,933.5	11,696.5	21.8	27.9	63.29	-998.4	-803.6	483.9	435.0	48.89	9.898	
12,300.0	11,911.0	11,975.0	11,711.4	21.9	27.9	64.91	-1,037.1	-803.4	472.4	424.4	48.06	9.829	
12,400.0	11,911.0	12,050.0	11,729.5	22.0	28.0	66.95	-1,109.8	-802.9	462.3	415.0	47.33	9.768	
12,500.0	11,911.0	12,119.8	11,735.9	22.1	28.0	67.69	-1,179.3	-802.4	458.6	411.9	46.66	9.829	
12,514.4	11,911.0	12,130.9	11,736.0	22.1	28.0	67.70	-1,190.3	-802.4	458.5	411.9	46.61	9.837	
12,600.0	11,911.0	12,216.4	11,736.0	22.2	28.1	67.70	-1,275.9	-801.8	458.5	411.5	47.02	9.751	
12,700.0	11,911.0	12,316.4	11,736.0	22.4	28.2	67.70	-1,375.9	-801.2	458.5	411.0	47.55	9.644	
12,800.0	11,911.0	12,416.4	11,736.0	22.5	28.3	67.70	-1,475.9	-800.5	458.5	410.4	48.12	9.530	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,900.0	11,911.0	12,516.4	11,736.0	22.8	28.4	67.70	-1,575.9	-799.8	458.5	409.8	48.72	9.411	
13,000.0	11,911.0	12,616.4	11,736.0	23.0	28.6	67.70	-1,675.9	-799.2	458.5	409.2	49.37	9.287	
13,100.0	11,911.0	12,716.4	11,736.0	23.2	28.7	67.70	-1,775.9	-798.5	458.5	408.5	50.06	9.160	
13,200.0	11,911.0	12,816.4	11,736.0	23.5	28.9	67.70	-1,875.9	-797.9	458.5	407.8	50.78	9.030	
13,300.0	11,911.0	12,916.4	11,736.0	23.8	29.1	67.70	-1,975.9	-797.2	458.5	407.0	51.54	8.897	
13,400.0	11,911.0	13,016.4	11,736.0	24.2	29.3	67.70	-2,075.9	-796.6	458.5	406.2	52.33	8.763	
13,500.0	11,911.0	13,116.4	11,736.0	24.6	29.6	67.70	-2,175.9	-795.9	458.5	405.4	53.15	8.628	
13,600.0	11,911.0	13,216.4	11,736.0	25.0	29.8	67.70	-2,275.9	-795.3	458.5	404.5	54.00	8.492	
13,700.0	11,911.0	13,316.4	11,736.0	25.4	30.1	67.70	-2,375.9	-794.6	458.5	403.7	54.88	8.356	
13,800.0	11,911.0	13,416.4	11,736.0	25.8	30.4	67.70	-2,475.9	-794.0	458.5	402.8	55.78	8.220	
13,900.0	11,911.0	13,516.4	11,736.0	26.3	30.7	67.70	-2,575.9	-793.3	458.5	401.8	56.72	8.085	
14,000.0	11,911.0	13,616.4	11,736.0	26.8	31.1	67.70	-2,675.9	-792.7	458.5	400.9	57.68	7.950	
14,100.0	11,911.0	13,716.4	11,736.0	27.3	31.4	67.70	-2,775.8	-792.0	458.5	399.9	58.66	7.817	
14,200.0	11,911.0	13,816.4	11,736.0	27.8	31.8	67.70	-2,875.8	-791.4	458.5	398.9	59.66	7.686	
14,300.0	11,911.0	13,916.4	11,736.0	28.4	32.2	67.70	-2,975.8	-790.7	458.5	397.9	60.68	7.556	
14,400.0	11,911.0	14,016.4	11,736.0	28.9	32.6	67.70	-3,075.8	-790.1	458.5	396.8	61.73	7.428	
14,500.0	11,911.0	14,116.4	11,736.0	29.5	33.0	67.70	-3,175.8	-789.4	458.5	395.7	62.79	7.302	
14,600.0	11,911.0	14,216.4	11,736.0	30.1	33.5	67.70	-3,275.8	-788.8	458.5	394.7	63.88	7.179	
14,700.0	11,911.0	14,316.4	11,736.0	30.6	34.0	67.70	-3,375.8	-788.1	458.5	393.6	64.98	7.057	
14,800.0	11,911.0	14,416.4	11,736.0	31.2	34.4	67.70	-3,475.8	-787.5	458.5	392.4	66.09	6.938	
14,900.0	11,911.0	14,516.4	11,736.0	31.8	34.9	67.70	-3,575.8	-786.8	458.5	391.3	67.22	6.821	
15,000.0	11,911.0	14,616.4	11,736.0	32.5	35.5	67.70	-3,675.8	-786.2	458.5	390.2	68.37	6.707	
15,100.0	11,911.0	14,716.4	11,736.0	33.1	36.0	67.70	-3,775.8	-785.5	458.5	389.0	69.53	6.595	
15,200.0	11,911.0	14,816.4	11,736.0	33.7	36.5	67.70	-3,875.8	-784.9	458.5	387.8	70.70	6.486	
15,300.0	11,911.0	14,916.4	11,736.0	34.4	37.1	67.70	-3,975.8	-784.2	458.5	386.7	71.89	6.378	
15,400.0	11,911.0	15,016.4	11,736.0	35.0	37.6	67.70	-4,075.8	-783.6	458.5	385.5	73.09	6.274	
15,500.0	11,911.0	15,116.4	11,736.0	35.7	38.2	67.70	-4,175.8	-782.9	458.5	384.2	74.30	6.172	
15,600.0	11,911.0	15,216.4	11,736.0	36.3	38.8	67.70	-4,275.8	-782.3	458.5	383.0	75.52	6.072	
15,700.0	11,911.0	15,316.4	11,736.0	37.0	39.3	67.70	-4,375.8	-781.6	458.5	381.8	76.75	5.975	
15,800.0	11,911.0	15,416.4	11,736.0	37.6	39.9	67.70	-4,475.8	-781.0	458.5	380.6	77.99	5.880	
15,900.0	11,911.0	15,516.4	11,736.0	38.3	40.5	67.70	-4,575.8	-780.3	458.5	379.3	79.24	5.787	
16,000.0	11,911.0	15,616.4	11,736.0	39.0	41.1	67.70	-4,675.8	-779.7	458.5	378.0	80.50	5.696	
16,100.0	11,911.0	15,716.4	11,736.0	39.6	41.8	67.70	-4,775.8	-779.0	458.5	376.8	81.77	5.608	
16,200.0	11,911.0	15,816.4	11,736.0	40.3	42.4	67.70	-4,875.8	-778.4	458.5	375.5	83.04	5.522	
16,300.0	11,911.0	15,916.4	11,736.0	41.0	43.0	67.70	-4,975.8	-777.7	458.5	374.2	84.33	5.438	
16,400.0	11,911.0	16,016.4	11,736.0	41.7	43.6	67.70	-5,075.8	-777.1	458.5	372.9	85.62	5.356	
16,500.0	11,911.0	16,116.4	11,736.0	42.4	44.3	67.70	-5,175.8	-776.4	458.5	371.6	86.92	5.276	
16,600.0	11,911.0	16,216.4	11,736.0	43.1	44.9	67.70	-5,275.8	-775.8	458.5	370.3	88.22	5.198	
16,700.0	11,911.0	16,316.4	11,736.0	43.8	45.5	67.70	-5,375.8	-775.1	458.5	369.0	89.54	5.121	
16,800.0	11,911.0	16,416.4	11,736.0	44.5	46.2	67.70	-5,475.8	-774.5	458.5	367.7	90.85	5.047	
16,900.0	11,911.0	16,516.4	11,736.0	45.2	46.8	67.70	-5,575.8	-773.8	458.6	366.4	92.18	4.975	
17,000.0	11,911.0	16,616.4	11,736.0	45.9	47.5	67.70	-5,675.8	-773.2	458.6	365.0	93.51	4.904	
17,100.0	11,911.0	16,716.4	11,736.0	46.6	48.2	67.70	-5,775.8	-772.5	458.6	363.7	94.84	4.835	
17,200.0	11,911.0	16,816.4	11,736.0	47.3	48.8	67.70	-5,875.8	-771.9	458.6	362.4	96.18	4.767	
17,300.0	11,911.0	16,916.4	11,736.0	48.0	49.5	67.70	-5,975.8	-771.2	458.6	361.0	97.53	4.702	
17,400.0	11,911.0	17,016.4	11,736.0	48.7	50.2	67.70	-6,075.8	-770.6	458.6	359.7	98.88	4.637	
17,500.0	11,911.0	17,116.4	11,736.0	49.4	50.8	67.70	-6,175.8	-769.9	458.6	358.3	100.24	4.575	
17,600.0	11,911.0	17,216.4	11,736.0	50.1	51.5	67.70	-6,275.8	-769.3	458.6	357.0	101.60	4.514	
17,700.0	11,911.0	17,316.4	11,736.0	50.8	52.2	67.70	-6,375.8	-768.6	458.6	355.6	102.96	4.454	
17,800.0	11,911.0	17,416.4	11,736.0	51.6	52.9	67.70	-6,475.8	-768.0	458.6	354.2	104.33	4.395	
17,900.0	11,911.0	17,516.4	11,736.0	52.3	53.6	67.70	-6,575.8	-767.3	458.6	352.9	105.70	4.338	
18,000.0	11,911.0	17,616.4	11,736.0	53.0	54.2	67.70	-6,675.8	-766.6	458.6	351.5	107.07	4.283	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #751H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11379-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	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)		
18,100.0	11,911.0	17,716.4	11,736.0	53.7	54.9	67.70	-6,775.8	-766.0	458.6	350.1	108.45	4.228	
18,200.0	11,911.0	17,816.4	11,736.0	54.4	55.6	67.70	-6,875.8	-765.3	458.6	348.7	109.84	4.175	
18,300.0	11,911.0	17,916.4	11,736.0	55.1	56.3	67.70	-6,975.8	-764.7	458.6	347.3	111.22	4.123	
18,400.0	11,911.0	18,016.4	11,736.0	55.9	57.0	67.70	-7,075.8	-764.0	458.6	345.9	112.61	4.072	
18,500.0	11,911.0	18,116.4	11,736.0	56.6	57.7	67.70	-7,175.8	-763.4	458.6	344.6	114.00	4.022	
18,600.0	11,911.0	18,216.4	11,736.0	57.3	58.4	67.70	-7,275.8	-762.7	458.6	343.2	115.40	3.974	
18,700.0	11,911.0	18,316.4	11,736.0	58.0	59.1	67.70	-7,375.8	-762.1	458.6	341.8	116.80	3.926	
18,800.0	11,911.0	18,416.4	11,736.0	58.8	59.8	67.70	-7,475.7	-761.4	458.6	340.4	118.20	3.880	
18,900.0	11,911.0	18,516.4	11,736.0	59.5	60.5	67.70	-7,575.7	-760.8	458.6	339.0	119.60	3.834	
19,000.0	11,911.0	18,616.4	11,736.0	60.2	61.2	67.70	-7,675.7	-760.1	458.6	337.6	121.01	3.790	
19,100.0	11,911.0	18,716.4	11,736.0	61.0	61.9	67.70	-7,775.7	-759.5	458.6	336.1	122.42	3.746	
19,200.0	11,911.0	18,816.4	11,736.0	61.7	62.6	67.70	-7,875.7	-758.8	458.6	334.7	123.83	3.703	
19,300.0	11,911.0	18,916.4	11,736.0	62.4	63.3	67.70	-7,975.7	-758.2	458.6	333.3	125.24	3.661	
19,400.0	11,911.0	19,016.4	11,736.0	63.2	64.1	67.70	-8,075.7	-757.5	458.6	331.9	126.66	3.621	
19,500.0	11,911.0	19,116.4	11,736.0	63.9	64.8	67.70	-8,175.7	-756.9	458.6	330.5	128.07	3.580	
19,600.0	11,911.0	19,216.4	11,736.0	64.6	65.5	67.70	-8,275.7	-756.2	458.6	329.1	129.49	3.541	
19,700.0	11,911.0	19,316.4	11,736.0	65.4	66.2	67.70	-8,375.7	-755.6	458.6	327.6	130.92	3.503	
19,800.0	11,911.0	19,416.4	11,736.0	66.1	66.9	67.70	-8,475.7	-754.9	458.6	326.2	132.34	3.465	
19,900.0	11,911.0	19,516.4	11,736.0	66.8	67.6	67.70	-8,575.7	-754.3	458.6	324.8	133.77	3.428	
20,000.0	11,911.0	19,616.4	11,736.0	67.6	68.3	67.70	-8,675.7	-753.6	458.6	323.4	135.19	3.392	
20,100.0	11,911.0	19,716.4	11,736.0	68.3	69.1	67.70	-8,775.7	-753.0	458.6	321.9	136.62	3.356	
20,200.0	11,911.0	19,816.4	11,736.0	69.0	69.8	67.70	-8,875.7	-752.3	458.6	320.5	138.06	3.322	
20,300.0	11,911.0	19,916.4	11,736.0	69.8	70.5	67.70	-8,975.7	-751.7	458.6	319.1	139.49	3.287	
20,400.0	11,911.0	20,016.4	11,736.0	70.5	71.2	67.70	-9,075.7	-751.0	458.6	317.6	140.92	3.254	
20,500.0	11,911.0	20,116.4	11,736.0	71.3	71.9	67.70	-9,175.7	-750.4	458.6	316.2	142.36	3.221	
20,600.0	11,911.0	20,216.4	11,736.0	72.0	72.7	67.70	-9,275.7	-749.7	458.6	314.8	143.80	3.189	
20,700.0	11,911.0	20,316.4	11,736.0	72.7	73.4	67.70	-9,375.7	-749.1	458.6	313.3	145.24	3.157	
20,800.0	11,911.0	20,416.4	11,736.0	73.5	74.1	67.70	-9,475.7	-748.4	458.6	311.9	146.68	3.126	
20,900.0	11,911.0	20,516.4	11,736.0	74.2	74.8	67.70	-9,575.7	-747.8	458.6	310.4	148.12	3.096	
21,000.0	11,911.0	20,616.4	11,736.0	75.0	75.6	67.70	-9,675.7	-747.1	458.6	309.0	149.56	3.066	
21,100.0	11,911.0	20,716.4	11,736.0	75.7	76.3	67.70	-9,775.7	-746.5	458.6	307.6	151.01	3.037	
21,200.0	11,911.0	20,816.4	11,736.0	76.5	77.0	67.70	-9,875.7	-745.8	458.6	306.1	152.45	3.008	
21,300.0	11,911.0	20,916.4	11,736.0	77.2	77.8	67.70	-9,975.7	-745.2	458.6	304.7	153.90	2.980	
21,359.6	11,911.0	20,976.0	11,736.0	77.6	78.2	67.70	-10,035.3	-744.8	458.6	303.8	154.76	2.963	
21,400.0	11,911.0	21,016.4	11,736.0	77.9	78.5	67.70	-10,075.7	-744.5	458.6	303.2	155.35	2.952	
21,400.7	11,911.0	21,017.1	11,736.0	77.9	78.5	67.70	-10,076.4	-744.5	458.6	303.2	155.36	2.952	
21,409.6	11,911.0	21,026.0	11,736.0	78.0	78.5	67.70	-10,085.2	-744.5	458.6	303.1	155.48	2.949 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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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	1.0	1.0	3.0	3.0	123.95	-16.8	25.0	30.2	23.2	6.98	4.322	
100.0	100.0	101.0	101.0	3.1	3.1	123.95	-16.8	25.0	30.2	22.9	7.23	4.175	
200.0	200.0	201.0	201.0	3.2	3.3	123.95	-16.8	25.0	30.2	22.7	7.46	4.042	
300.0	300.0	301.0	301.0	3.4	3.4	123.95	-16.8	25.0	30.2	22.5	7.70	3.920	
400.0	400.0	401.0	401.0	3.5	3.5	123.95	-16.8	25.0	30.2	22.3	7.92	3.809	
500.0	500.0	501.0	501.0	3.6	3.6	123.95	-16.8	25.0	30.2	22.0	8.14	3.705	
600.0	600.0	601.0	601.0	3.7	3.7	123.95	-16.8	25.0	30.2	21.8	8.36	3.609	
700.0	700.0	701.0	701.0	3.9	3.9	123.95	-16.8	25.0	30.2	21.6	8.57	3.520	
800.0	800.0	801.0	801.0	4.0	4.0	123.95	-16.8	25.0	30.2	21.4	8.78	3.437	
900.0	900.0	901.0	901.0	4.1	4.1	123.95	-16.8	25.0	30.2	21.2	8.98	3.358	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.95	-16.8	25.0	30.2	21.0	9.19	3.285	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.95	-16.8	25.0	30.2	20.8	9.38	3.215	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.95	-16.8	25.0	30.2	20.6	9.58	3.150	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.95	-16.8	25.0	30.2	20.4	9.77	3.087	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.95	-16.8	25.0	30.2	20.2	9.96	3.028	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.95	-16.8	25.0	30.2	20.2	10.02	3.011 CC, ES	
1,600.0	1,600.0	1,601.0	1,601.0	5.0	5.0	-101.30	-16.8	25.0	30.5	20.4	10.05	3.033	
1,700.0	1,699.8	1,700.8	1,700.8	5.2	5.1	-110.51	-16.8	25.0	31.9	21.6	10.30	3.099	
1,800.0	1,799.5	1,800.5	1,800.5	5.5	5.3	-123.55	-16.8	25.0	35.9	25.3	10.61	3.383	
1,900.0	1,898.7	1,899.7	1,899.7	5.8	5.4	-136.78	-16.8	25.0	43.9	32.8	11.07	3.960	
2,000.0	1,997.5	1,998.5	1,998.5	6.1	5.6	-147.57	-16.8	25.0	56.3	44.7	11.63	4.842	
2,100.0	2,095.9	2,096.9	2,096.9	6.3	5.7	-155.02	-16.8	25.0	71.6	59.5	12.14	5.903	
2,200.0	2,194.4	2,195.4	2,195.4	6.6	5.8	-159.81	-16.8	25.0	87.7	75.1	12.62	6.950	
2,300.0	2,292.9	2,293.9	2,293.9	6.9	6.0	-163.10	-16.8	25.0	104.2	91.1	13.11	7.952	
2,400.0	2,391.4	2,392.4	2,392.4	7.2	6.1	-165.49	-16.8	25.0	121.0	107.4	13.59	8.897	
2,500.0	2,489.9	2,490.9	2,490.9	7.5	6.2	-167.30	-16.8	25.0	137.8	123.8	14.09	9.784	
2,600.0	2,588.3	2,589.3	2,589.3	7.9	6.3	-168.71	-16.8	25.0	154.8	140.3	14.59	10.611	
2,700.0	2,686.8	2,687.8	2,687.8	8.2	6.5	-169.84	-16.8	25.0	171.9	156.8	15.10	11.382	
2,800.0	2,785.3	2,786.3	2,786.3	8.6	6.6	-170.77	-16.8	25.0	189.0	173.4	15.62	12.099	
2,900.0	2,883.8	2,884.8	2,884.8	9.0	6.7	-171.54	-16.8	25.0	206.2	190.1	16.15	12.766	
3,000.0	2,982.3	2,983.3	2,983.3	9.3	6.8	-172.20	-16.8	25.0	223.4	206.7	16.69	13.387	
3,100.0	3,080.8	3,081.8	3,081.8	9.7	6.9	-172.76	-16.8	25.0	240.6	223.4	17.23	13.964	
3,200.0	3,179.2	3,180.2	3,180.2	10.1	7.1	-173.25	-16.8	25.0	257.9	240.1	17.78	14.502	
3,300.0	3,277.7	3,278.7	3,278.7	10.5	7.2	-173.67	-16.8	25.0	275.1	256.8	18.34	15.003	
3,400.0	3,376.2	3,377.2	3,377.2	10.9	7.3	-174.05	-16.8	25.0	292.4	273.5	18.90	15.471	
3,500.0	3,474.7	3,475.7	3,475.7	11.3	7.4	-174.38	-16.8	25.0	309.7	290.2	19.47	15.909	
3,600.0	3,573.2	3,574.2	3,574.2	11.7	7.5	-174.68	-16.8	25.0	327.0	306.9	20.04	16.318	
3,700.0	3,671.6	3,672.6	3,672.6	12.1	7.6	-174.94	-16.8	25.0	344.2	323.6	20.61	16.701	
3,800.0	3,770.1	3,771.1	3,771.1	12.6	7.7	-175.19	-16.8	25.0	361.6	340.4	21.19	17.061	
3,900.0	3,868.6	3,869.6	3,869.6	13.0	7.9	-175.41	-16.8	25.0	378.9	357.1	21.78	17.399	
4,000.0	3,967.1	3,968.1	3,968.1	13.4	8.0	-175.61	-16.8	25.0	396.2	373.8	22.36	17.716	
4,100.0	4,065.6	4,066.6	4,066.6	13.8	8.1	-175.79	-16.8	25.0	413.5	390.5	22.95	18.015	
4,200.0	4,164.0	4,165.0	4,165.0	14.2	8.2	-175.96	-16.8	25.0	430.8	407.3	23.55	18.297	
4,300.0	4,262.5	4,263.5	4,263.5	14.7	8.3	-176.12	-16.8	25.0	448.1	424.0	24.14	18.563	
4,400.0	4,361.0	4,362.0	4,362.0	15.1	8.4	-176.26	-16.8	25.0	465.5	440.7	24.74	18.814	
4,500.0	4,459.5	4,460.5	4,460.5	15.5	8.5	-176.40	-16.8	25.0	482.8	457.5	25.34	19.052	
4,545.2	4,504.0	4,505.0	4,505.0	15.7	8.6	-176.46	-16.8	25.0	490.6	465.0	25.60	19.166	
4,600.0	4,558.0	4,559.0	4,559.0	15.9	8.6	-176.53	-16.8	25.0	499.9	474.0	25.91	19.292	
4,700.0	4,656.8	4,657.8	4,657.8	16.4	8.7	-176.64	-16.8	25.0	515.4	488.9	26.50	19.446	
4,800.0	4,755.8	4,756.8	4,756.8	16.8	8.8	-176.74	-16.8	25.0	529.2	502.1	27.09	19.537	
4,900.0	4,855.1	4,856.1	4,856.1	17.2	8.9	-176.82	-16.8	25.0	541.3	513.6	27.66	19.571	
5,000.0	4,954.6	4,955.6	4,955.6	17.6	9.0	-176.88	-16.8	25.0	551.7	523.4	28.21	19.554	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,054.2	5,055.2	5,055.2	17.9	9.1	-176.93	-16.8	25.0	560.3	531.5	28.75	19.488	
5,200.0	5,153.9	5,154.9	5,154.9	18.3	9.3	-176.97	-16.8	25.0	567.2	537.9	29.26	19.380	
5,300.0	5,253.8	5,254.8	5,254.8	18.6	9.4	-177.00	-16.8	25.0	572.3	542.5	29.75	19.236	
5,400.0	5,353.7	5,354.7	5,354.7	18.9	9.5	-177.02	-16.8	25.0	575.7	545.5	30.20	19.061	
5,500.0	5,453.7	5,454.7	5,454.7	19.2	9.6	-177.03	-16.8	25.0	577.4	546.8	30.59	18.872	
5,545.2	5,498.9	5,499.9	5,499.9	19.3	9.6	44.97	-16.8	25.0	577.5	546.9	30.68	18.823	
5,600.0	5,553.7	5,554.7	5,554.7	19.3	9.7	44.97	-16.8	25.0	577.5	546.8	30.72	18.798	
5,700.0	5,653.7	5,654.7	5,654.7	19.3	9.8	44.97	-16.8	25.0	577.5	546.7	30.82	18.737	
5,800.0	5,753.7	5,754.7	5,754.7	19.3	9.9	44.97	-16.8	25.0	577.5	546.6	30.92	18.676	
5,900.0	5,853.7	5,854.7	5,854.7	19.3	10.0	44.97	-16.8	25.0	577.5	546.5	31.02	18.616	
6,000.0	5,953.7	5,954.7	5,954.7	19.4	10.1	44.97	-16.8	25.0	577.5	546.4	31.13	18.555	
6,100.0	6,053.7	6,054.7	6,054.7	19.4	10.2	44.97	-16.8	25.0	577.5	546.3	31.23	18.494	
6,200.0	6,153.7	6,154.7	6,154.7	19.4	10.3	44.97	-16.8	25.0	577.5	546.2	31.33	18.434	
6,300.0	6,253.7	6,254.7	6,254.7	19.5	10.4	44.97	-16.8	25.0	577.5	546.1	31.43	18.373	
6,400.0	6,353.7	6,354.7	6,354.7	19.5	10.5	44.97	-16.8	25.0	577.5	546.0	31.54	18.313	
6,500.0	6,453.7	6,454.7	6,454.7	19.5	10.6	44.97	-16.8	25.0	577.5	545.9	31.64	18.252	
6,600.0	6,553.7	6,554.7	6,554.7	19.6	10.7	44.97	-16.8	25.0	577.5	545.8	31.75	18.192	
6,700.0	6,653.7	6,654.7	6,654.7	19.6	10.8	44.97	-16.8	25.0	577.5	545.7	31.85	18.132	
6,800.0	6,753.7	6,754.7	6,754.7	19.6	10.9	44.97	-16.8	25.0	577.5	545.6	31.96	18.072	
6,900.0	6,853.7	6,854.7	6,854.7	19.7	11.0	44.97	-16.8	25.0	577.5	545.5	32.06	18.013	
7,000.0	6,953.7	6,954.7	6,954.7	19.7	11.1	44.97	-16.8	25.0	577.5	545.4	32.17	17.953	
7,100.0	7,053.7	7,054.7	7,054.7	19.7	11.2	44.97	-16.8	25.0	577.5	545.3	32.28	17.894	
7,200.0	7,153.7	7,154.7	7,154.7	19.7	11.3	44.97	-16.8	25.0	577.5	545.2	32.38	17.834	
7,300.0	7,253.7	7,254.7	7,254.7	19.8	11.4	44.97	-16.8	25.0	577.5	545.0	32.49	17.775	
7,400.0	7,353.7	7,354.7	7,354.7	19.8	11.5	44.97	-16.8	25.0	577.5	544.9	32.60	17.716	
7,500.0	7,453.7	7,454.7	7,454.7	19.8	11.6	44.97	-16.8	25.0	577.5	544.8	32.71	17.657	
7,600.0	7,553.7	7,554.7	7,554.7	19.9	11.7	44.97	-16.8	25.0	577.5	544.7	32.82	17.598	
7,700.0	7,653.7	7,654.7	7,654.7	19.9	11.8	44.97	-16.8	25.0	577.5	544.6	32.93	17.540	
7,800.0	7,753.7	7,754.7	7,754.7	20.0	11.9	44.97	-16.8	25.0	577.5	544.5	33.04	17.481	
7,900.0	7,853.7	7,854.7	7,854.7	20.0	12.0	44.97	-16.8	25.0	577.5	544.4	33.15	17.423	
8,000.0	7,953.7	7,954.7	7,954.7	20.0	12.1	44.97	-16.8	25.0	577.5	544.3	33.26	17.365	
8,100.0	8,053.7	8,054.7	8,054.7	20.1	12.1	44.97	-16.8	25.0	577.5	544.2	33.37	17.307	
8,200.0	8,153.7	8,154.7	8,154.7	20.1	12.2	44.97	-16.8	25.0	577.5	544.1	33.48	17.249	
8,300.0	8,253.7	8,254.7	8,254.7	20.1	12.3	44.97	-16.8	25.0	577.5	543.9	33.59	17.192	
8,400.0	8,353.7	8,354.7	8,354.7	20.2	12.4	44.97	-16.8	25.0	577.5	543.8	33.71	17.134	
8,500.0	8,453.7	8,454.7	8,454.7	20.2	12.5	44.97	-16.8	25.0	577.5	543.7	33.82	17.077	
8,600.0	8,553.7	8,554.7	8,554.7	20.2	12.6	44.97	-16.8	25.0	577.5	543.6	33.93	17.020	
8,700.0	8,653.7	8,654.7	8,654.7	20.3	12.7	44.97	-16.8	25.0	577.5	543.5	34.05	16.963	
8,800.0	8,753.7	8,754.7	8,754.7	20.3	12.8	44.97	-16.8	25.0	577.5	543.4	34.16	16.907	
8,900.0	8,853.7	8,854.7	8,854.7	20.3	12.9	44.97	-16.8	25.0	577.5	543.3	34.28	16.850	
9,000.0	8,953.7	8,954.7	8,954.7	20.4	13.0	44.97	-16.8	25.0	577.5	543.1	34.39	16.794	
9,100.0	9,053.7	9,054.7	9,054.7	20.4	13.1	44.97	-16.8	25.0	577.5	543.0	34.51	16.738	
9,200.0	9,153.7	9,154.7	9,154.7	20.5	13.2	44.97	-16.8	25.0	577.5	542.9	34.62	16.682	
9,300.0	9,253.7	9,254.7	9,254.7	20.5	13.3	44.97	-16.8	25.0	577.5	542.8	34.74	16.626	
9,400.0	9,353.7	9,354.7	9,354.7	20.5	13.4	44.97	-16.8	25.0	577.5	542.7	34.85	16.571	
9,500.0	9,453.7	9,454.7	9,454.7	20.6	13.5	44.97	-16.8	25.0	577.5	542.6	34.97	16.515	
9,600.0	9,553.7	9,554.7	9,554.7	20.6	13.6	44.97	-16.8	25.0	577.5	542.5	35.09	16.460	
9,700.0	9,653.7	9,654.7	9,654.7	20.7	13.7	44.97	-16.8	25.0	577.5	542.3	35.20	16.405	
9,800.0	9,753.7	9,754.7	9,754.7	20.7	13.8	44.97	-16.8	25.0	577.5	542.2	35.32	16.351	
9,900.0	9,853.7	9,854.7	9,854.7	20.7	13.8	44.97	-16.8	25.0	577.5	542.1	35.44	16.296	
10,000.0	9,953.7	9,954.7	9,954.7	20.8	13.9	44.97	-16.8	25.0	577.5	542.0	35.56	16.242	
10,100.0	10,053.7	10,054.7	10,054.7	20.8	14.0	44.97	-16.8	25.0	577.5	541.9	35.68	16.188	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.0	10,153.7	10,154.7	10,154.7	20.9	14.1	44.97	-16.8	25.0	577.5	541.7	35.80	16.134	
10,300.0	10,253.7	10,254.7	10,254.7	20.9	14.2	44.97	-16.8	25.0	577.5	541.6	35.92	16.080	
10,400.0	10,353.7	10,354.7	10,354.7	20.9	14.3	44.97	-16.8	25.0	577.5	541.5	36.04	16.027	
10,500.0	10,453.7	10,454.7	10,454.7	21.0	14.4	44.97	-16.8	25.0	577.5	541.4	36.16	15.973	
10,600.0	10,553.7	10,554.7	10,554.7	21.0	14.5	44.97	-16.8	25.0	577.5	541.3	36.28	15.920	
10,700.0	10,653.7	10,654.7	10,654.7	21.1	14.6	44.97	-16.8	25.0	577.5	541.1	36.40	15.868	
10,800.0	10,753.7	10,754.7	10,754.7	21.1	14.7	44.97	-16.8	25.0	577.5	541.0	36.52	15.815	
10,900.0	10,853.7	10,854.7	10,854.7	21.1	14.8	44.97	-16.8	25.0	577.5	540.9	36.64	15.763	
11,000.0	10,953.7	10,954.7	10,954.7	21.2	14.9	44.97	-16.8	25.0	577.5	540.8	36.76	15.710	
11,100.0	11,053.7	11,054.7	11,054.7	21.2	15.0	44.97	-16.8	25.0	577.5	540.7	36.88	15.658	
11,200.0	11,153.7	11,154.7	11,154.7	21.3	15.0	44.97	-16.8	25.0	577.5	540.5	37.01	15.607	
11,300.0	11,253.7	11,254.7	11,254.7	21.3	15.1	44.97	-16.8	25.0	577.5	540.4	37.12	15.560	
11,400.0	11,353.7	11,669.4	11,620.9	21.4	15.5	59.52	-182.1	30.4	548.6	508.6	40.04	13.701	
11,479.8	11,433.5	11,799.8	11,691.7	21.4	15.6	72.14	-291.1	33.9	508.0	468.1	39.91	12.729	
11,500.0	11,453.7	11,820.1	11,699.9	21.4	15.6	-106.49	-309.6	34.5	498.0	458.6	39.44	12.628	
11,525.0	11,478.7	11,842.9	11,708.2	21.4	15.7	-105.37	-330.9	35.2	486.4	447.4	38.94	12.489	
11,550.0	11,503.5	11,864.0	11,715.0	21.4	15.7	-104.32	-350.8	35.8	475.5	437.2	38.39	12.388	
11,575.0	11,528.1	11,883.6	11,720.5	21.4	15.7	-103.29	-369.7	36.4	465.7	427.9	37.79	12.321	
11,600.0	11,552.5	11,902.2	11,725.0	21.4	15.7	-102.24	-387.7	37.0	456.8	419.6	37.18	12.286	
11,625.0	11,576.5	11,920.0	11,728.6	21.4	15.7	-101.15	-405.1	37.6	448.9	412.3	36.55	12.279	
11,650.0	11,600.1	11,937.1	11,731.5	21.4	15.7	-100.01	-422.0	38.1	442.0	406.1	35.95	12.295	
11,675.0	11,623.3	11,953.7	11,733.7	21.4	15.7	-98.80	-438.3	38.6	436.3	400.9	35.39	12.328	
11,700.0	11,646.0	11,969.7	11,735.3	21.5	15.7	-97.51	-454.3	39.2	431.6	396.7	34.89	12.372	
11,725.0	11,668.1	11,985.5	11,736.4	21.5	15.7	-96.15	-470.0	39.7	428.0	393.6	34.46	12.420	
11,750.0	11,689.5	12,000.9	11,736.9	21.5	15.7	-94.70	-485.4	40.2	425.6	391.4	34.14	12.465	
11,775.0	11,710.3	12,016.7	11,737.0	21.5	15.7	-93.10	-501.3	40.7	424.2	390.2	33.92	12.506	
11,800.0	11,730.2	12,034.3	11,737.0	21.5	15.8	-91.25	-518.9	41.1	423.7	389.9	33.78	12.543	
11,800.0	11,730.3	12,034.3	11,737.0	21.5	15.8	-91.25	-518.9	41.1	423.7	389.9	33.78	12.543	
11,825.0	11,749.4	12,053.2	11,737.0	21.5	15.8	-89.25	-537.7	41.5	424.1	390.4	33.74	12.572	
11,850.0	11,767.7	12,073.1	11,737.0	21.5	15.8	-87.15	-557.7	41.8	425.2	391.4	33.77	12.591	
11,875.0	11,785.1	12,092.6	11,737.0	21.5	15.8	-85.12	-577.1	41.9	426.9	393.0	33.90	12.592	
11,900.0	11,801.6	12,111.5	11,737.0	21.6	15.8	-83.20	-596.0	42.1	429.1	395.0	34.11	12.578	
11,925.0	11,817.0	12,131.1	11,737.0	21.6	15.8	-81.28	-615.7	42.2	431.7	397.3	34.37	12.559	
11,950.0	11,831.3	12,151.6	11,737.0	21.6	15.9	-79.39	-636.1	42.3	434.6	400.0	34.66	12.538	
11,975.0	11,844.6	12,172.8	11,737.0	21.6	15.9	-77.56	-657.3	42.5	437.7	402.8	34.97	12.517	
12,000.0	11,856.8	12,194.6	11,737.0	21.6	16.0	-75.83	-679.1	42.6	440.9	405.6	35.29	12.495	
12,025.0	11,867.7	12,217.1	11,737.0	21.7	16.0	-74.22	-701.6	42.7	444.0	408.4	35.60	12.471	
12,050.0	11,877.5	12,240.1	11,737.0	21.7	16.1	-72.76	-724.6	42.9	447.0	411.1	35.91	12.448	
12,075.0	11,886.1	12,263.6	11,737.0	21.7	16.2	-71.45	-748.1	43.0	449.8	413.6	36.21	12.424	
12,100.0	11,893.5	12,287.5	11,737.0	21.7	16.2	-70.32	-772.0	43.2	452.3	415.9	36.48	12.399	
12,125.0	11,899.5	12,311.7	11,737.0	21.7	16.3	-69.37	-796.2	43.4	454.5	417.8	36.73	12.372	
12,150.0	11,904.3	12,336.2	11,737.0	21.8	16.4	-68.62	-820.7	43.5	456.2	419.3	36.96	12.343	
12,175.0	11,907.9	12,361.0	11,737.0	21.8	16.5	-68.07	-845.5	43.7	457.5	420.4	37.17	12.311	
12,200.0	11,910.1	12,385.9	11,737.0	21.8	16.5	-67.72	-870.4	43.8	458.4	421.0	37.34	12.276	
12,225.0	11,911.0	12,410.9	11,737.0	21.8	16.6	-67.58	-895.4	44.0	458.7	421.2	37.48	12.238	
12,229.8	11,911.0	12,415.7	11,737.0	21.8	16.6	-67.57	-900.2	44.0	458.7	421.2	37.51	12.230	
12,300.0	11,911.0	12,485.9	11,737.0	21.9	16.9	-67.57	-970.4	44.5	458.7	420.9	37.88	12.111	
12,400.0	11,911.0	12,585.9	11,737.0	22.0	17.2	-67.57	-1,070.4	45.1	458.7	420.3	38.46	11.928	
12,500.0	11,911.0	12,685.9	11,737.0	22.1	17.6	-67.57	-1,170.4	45.8	458.7	419.6	39.09	11.735	
12,600.0	11,911.0	12,785.9	11,737.0	22.2	18.1	-67.57	-1,270.4	46.4	458.7	419.0	39.77	11.535	
12,700.0	11,911.0	12,885.9	11,737.0	22.4	18.5	-67.57	-1,370.4	47.1	458.7	418.2	40.49	11.328	
12,800.0	11,911.0	12,985.9	11,737.0	22.5	18.9	-67.57	-1,470.4	47.8	458.7	417.5	41.26	11.117	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,900.0	11,911.0	13,085.9	11,737.0	22.8	19.4	-67.57	-1,570.4	48.4	458.7	416.7	42.07	10.904	
13,000.0	11,911.0	13,185.9	11,737.0	23.0	19.9	-67.57	-1,670.3	49.1	458.7	415.8	42.92	10.688	
13,100.0	11,911.0	13,285.9	11,737.0	23.2	20.4	-67.57	-1,770.3	49.7	458.7	414.9	43.80	10.472	
13,200.0	11,911.0	13,385.9	11,737.0	23.5	21.0	-67.57	-1,870.3	50.4	458.7	414.0	44.72	10.257	
13,300.0	11,911.0	13,485.9	11,737.0	23.8	21.5	-67.57	-1,970.3	51.0	458.7	413.1	45.67	10.044	
13,400.0	11,911.0	13,585.9	11,737.0	24.2	22.1	-67.57	-2,070.3	51.7	458.7	412.1	46.65	9.833	
13,500.0	11,911.0	13,685.9	11,737.0	24.6	22.6	-67.57	-2,170.3	52.3	458.7	411.1	47.66	9.625	
13,600.0	11,911.0	13,785.9	11,737.0	25.0	23.2	-67.57	-2,270.3	53.0	458.7	410.0	48.70	9.420	
13,700.0	11,911.0	13,885.9	11,737.0	25.4	23.8	-67.57	-2,370.3	53.6	458.7	409.0	49.76	9.219	
13,800.0	11,911.0	13,985.9	11,737.0	25.8	24.4	-67.57	-2,470.3	54.3	458.7	407.9	50.84	9.023	
13,900.0	11,911.0	14,085.9	11,737.0	26.3	25.0	-67.57	-2,570.3	54.9	458.7	406.8	51.94	8.831	
14,000.0	11,911.0	14,185.9	11,737.0	26.8	25.6	-67.57	-2,670.3	55.6	458.7	405.7	53.07	8.644	
14,100.0	11,911.0	14,285.9	11,737.0	27.3	26.2	-67.57	-2,770.3	56.2	458.7	404.5	54.21	8.461	
14,200.0	11,911.0	14,385.9	11,737.0	27.8	26.9	-67.57	-2,870.3	56.9	458.7	403.3	55.38	8.284	
14,300.0	11,911.0	14,485.9	11,737.0	28.4	27.5	-67.57	-2,970.3	57.5	458.7	402.2	56.55	8.111	
14,400.0	11,911.0	14,585.9	11,737.0	28.9	28.1	-67.57	-3,070.3	58.2	458.7	401.0	57.75	7.943	
14,500.0	11,911.0	14,685.9	11,737.0	29.5	28.8	-67.57	-3,170.3	58.8	458.7	399.8	58.96	7.780	
14,600.0	11,911.0	14,785.9	11,737.0	30.1	29.4	-67.57	-3,270.3	59.5	458.7	398.5	60.18	7.622	
14,700.0	11,911.0	14,885.9	11,737.0	30.6	30.1	-67.57	-3,370.3	60.1	458.7	397.3	61.42	7.469	
14,800.0	11,911.0	14,985.9	11,737.0	31.2	30.8	-67.57	-3,470.3	60.8	458.7	396.1	62.67	7.320	
14,900.0	11,911.0	15,085.9	11,737.0	31.8	31.4	-67.57	-3,570.3	61.4	458.7	394.8	63.93	7.176	
15,000.0	11,911.0	15,185.9	11,737.0	32.5	32.1	-67.57	-3,670.3	62.1	458.7	393.5	65.20	7.036	
15,100.0	11,911.0	15,285.9	11,737.0	33.1	32.8	-67.57	-3,770.3	62.7	458.7	392.2	66.48	6.900	
15,200.0	11,911.0	15,385.9	11,737.0	33.7	33.5	-67.57	-3,870.3	63.4	458.7	390.9	67.77	6.769	
15,300.0	11,911.0	15,485.9	11,737.0	34.4	34.2	-67.57	-3,970.3	64.0	458.7	389.6	69.07	6.641	
15,400.0	11,911.0	15,585.9	11,737.0	35.0	34.8	-67.57	-4,070.3	64.7	458.7	388.3	70.38	6.518	
15,500.0	11,911.0	15,685.9	11,737.0	35.7	35.5	-67.57	-4,170.3	65.3	458.7	387.0	71.69	6.398	
15,600.0	11,911.0	15,785.9	11,737.0	36.3	36.2	-67.57	-4,270.3	66.0	458.7	385.7	73.02	6.282	
15,700.0	11,911.0	15,885.9	11,737.0	37.0	36.9	-67.57	-4,370.3	66.6	458.7	384.4	74.35	6.170	
15,800.0	11,911.0	15,985.9	11,737.0	37.6	37.6	-67.57	-4,470.3	67.3	458.7	383.0	75.69	6.061	
15,900.0	11,911.0	16,085.9	11,737.0	38.3	38.3	-67.57	-4,570.3	67.9	458.7	381.7	77.03	5.955	
16,000.0	11,911.0	16,185.9	11,737.0	39.0	39.0	-67.57	-4,670.3	68.6	458.7	380.3	78.39	5.852	
16,100.0	11,911.0	16,285.9	11,737.0	39.6	39.7	-67.57	-4,770.3	69.2	458.7	379.0	79.74	5.752	
16,200.0	11,911.0	16,385.9	11,737.0	40.3	40.4	-67.57	-4,870.3	69.9	458.7	377.6	81.11	5.656	
16,300.0	11,911.0	16,485.9	11,737.0	41.0	41.2	-67.57	-4,970.3	70.5	458.7	376.2	82.47	5.562	
16,400.0	11,911.0	16,585.9	11,737.0	41.7	41.9	-67.57	-5,070.3	71.2	458.7	374.9	83.85	5.471	
16,500.0	11,911.0	16,685.9	11,737.0	42.4	42.6	-67.57	-5,170.3	71.8	458.7	373.5	85.22	5.382	
16,600.0	11,911.0	16,785.9	11,737.0	43.1	43.3	-67.57	-5,270.3	72.5	458.7	372.1	86.61	5.297	
16,700.0	11,911.0	16,885.9	11,737.0	43.8	44.0	-67.57	-5,370.3	73.1	458.7	370.7	87.99	5.213	
16,800.0	11,911.0	16,985.9	11,737.0	44.5	44.7	-67.57	-5,470.3	73.8	458.7	369.3	89.38	5.132	
16,900.0	11,911.0	17,085.9	11,737.0	45.2	45.4	-67.57	-5,570.3	74.4	458.7	367.9	90.78	5.053	
17,000.0	11,911.0	17,185.9	11,737.0	45.9	46.2	-67.57	-5,670.3	75.1	458.7	366.5	92.18	4.976	
17,100.0	11,911.0	17,285.9	11,737.0	46.6	46.9	-67.57	-5,770.3	75.7	458.7	365.1	93.58	4.902	
17,200.0	11,911.0	17,385.9	11,737.0	47.3	47.6	-67.57	-5,870.3	76.4	458.7	363.7	94.98	4.829	
17,300.0	11,911.0	17,485.9	11,737.0	48.0	48.3	-67.57	-5,970.3	77.0	458.7	362.3	96.39	4.759	
17,400.0	11,911.0	17,585.9	11,737.0	48.7	49.1	-67.57	-6,070.3	77.7	458.7	360.9	97.81	4.690	
17,500.0	11,911.0	17,685.9	11,737.0	49.4	49.8	-67.57	-6,170.3	78.4	458.7	359.5	99.22	4.623	
17,600.0	11,911.0	17,785.9	11,737.0	50.1	50.5	-67.57	-6,270.3	79.0	458.7	358.1	100.64	4.558	
17,700.0	11,911.0	17,885.9	11,737.0	50.8	51.3	-67.57	-6,370.2	79.7	458.7	356.7	102.06	4.495	
17,800.0	11,911.0	17,985.9	11,737.0	51.6	52.0	-67.57	-6,470.2	80.3	458.7	355.2	103.48	4.433	
17,900.0	11,911.0	18,085.9	11,737.0	52.3	52.7	-67.57	-6,570.2	81.0	458.7	353.8	104.91	4.372	
18,000.0	11,911.0	18,185.9	11,737.0	53.0	53.4	-67.57	-6,670.2	81.6	458.7	352.4	106.34	4.314	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,100.0	11,911.0	18,285.9	11,737.0	53.7	54.2	-67.57	-6,770.2	82.3	458.7	350.9	107.77	4.256		
18,200.0	11,911.0	18,385.9	11,737.0	54.4	54.9	-67.57	-6,870.2	82.9	458.7	349.5	109.20	4.201		
18,300.0	11,911.0	18,485.9	11,737.0	55.1	55.7	-67.57	-6,970.2	83.6	458.7	348.1	110.63	4.146		
18,400.0	11,911.0	18,585.9	11,737.0	55.9	56.4	-67.57	-7,070.2	84.2	458.7	346.6	112.07	4.093		
18,500.0	11,911.0	18,685.9	11,737.0	56.6	57.1	-67.57	-7,170.2	84.9	458.7	345.2	113.51	4.041		
18,600.0	11,911.0	18,785.9	11,737.0	57.3	57.9	-67.57	-7,270.2	85.5	458.7	343.8	114.95	3.990		
18,700.0	11,911.0	18,885.9	11,737.0	58.0	58.6	-67.57	-7,370.2	86.2	458.7	342.3	116.39	3.941		
18,800.0	11,911.0	18,985.9	11,737.0	58.8	59.3	-67.57	-7,470.2	86.8	458.7	340.9	117.84	3.893		
18,900.0	11,911.0	19,085.9	11,737.0	59.5	60.1	-67.57	-7,570.2	87.5	458.7	339.4	119.28	3.845		
19,000.0	11,911.0	19,185.9	11,737.0	60.2	60.8	-67.57	-7,670.2	88.1	458.7	338.0	120.73	3.799		
19,100.0	11,911.0	19,285.9	11,737.0	61.0	61.6	-67.57	-7,770.2	88.8	458.7	336.5	122.18	3.754		
19,200.0	11,911.0	19,385.9	11,737.0	61.7	62.3	-67.57	-7,870.2	89.4	458.7	335.1	123.63	3.710		
19,300.0	11,911.0	19,485.9	11,737.0	62.4	63.0	-67.57	-7,970.2	90.1	458.7	333.6	125.09	3.667		
19,400.0	11,911.0	19,585.9	11,737.0	63.2	63.8	-67.57	-8,070.2	90.7	458.7	332.2	126.54	3.625		
19,500.0	11,911.0	19,685.9	11,737.0	63.9	64.5	-67.57	-8,170.2	91.4	458.7	330.7	128.00	3.584		
19,600.0	11,911.0	19,785.9	11,737.0	64.6	65.3	-67.57	-8,270.2	92.0	458.7	329.2	129.45	3.543		
19,700.0	11,911.0	19,885.9	11,737.0	65.4	66.0	-67.57	-8,370.2	92.7	458.7	327.8	130.91	3.504		
19,800.0	11,911.0	19,985.9	11,737.0	66.1	66.8	-67.57	-8,470.2	93.3	458.7	326.3	132.37	3.465		
19,900.0	11,911.0	20,085.9	11,737.0	66.8	67.5	-67.57	-8,570.2	94.0	458.7	324.9	133.83	3.427		
20,000.0	11,911.0	20,185.9	11,737.0	67.6	68.2	-67.57	-8,670.2	94.6	458.7	323.4	135.29	3.390		
20,100.0	11,911.0	20,285.9	11,737.0	68.3	69.0	-67.57	-8,770.2	95.3	458.7	321.9	136.75	3.354		
20,200.0	11,911.0	20,385.9	11,737.0	69.0	69.7	-67.57	-8,870.2	95.9	458.7	320.5	138.22	3.319		
20,300.0	11,911.0	20,485.9	11,737.0	69.8	70.5	-67.57	-8,970.2	96.6	458.7	319.0	139.68	3.284		
20,400.0	11,911.0	20,585.9	11,737.0	70.5	71.2	-67.57	-9,070.2	97.2	458.7	317.5	141.15	3.250		
20,500.0	11,911.0	20,685.9	11,737.0	71.3	72.0	-67.57	-9,170.2	97.9	458.7	316.1	142.62	3.216		
20,600.0	11,911.0	20,785.9	11,737.0	72.0	72.7	-67.57	-9,270.2	98.5	458.7	314.6	144.08	3.184		
20,700.0	11,911.0	20,885.9	11,737.0	72.7	73.5	-67.57	-9,370.2	99.2	458.7	313.1	145.55	3.151		
20,800.0	11,911.0	20,985.9	11,737.0	73.5	74.2	-67.57	-9,470.2	99.8	458.7	311.7	147.02	3.120		
20,900.0	11,911.0	21,085.9	11,737.0	74.2	75.0	-67.57	-9,570.2	100.5	458.7	310.2	148.49	3.089		
21,000.0	11,911.0	21,185.9	11,737.0	75.0	75.7	-67.57	-9,670.2	101.1	458.7	308.7	149.96	3.059		
21,100.0	11,911.0	21,285.9	11,737.0	75.7	76.5	-67.57	-9,770.2	101.8	458.7	307.3	151.44	3.029		
21,200.0	11,911.0	21,385.9	11,737.0	76.5	77.2	-67.57	-9,870.2	102.4	458.7	305.8	152.91	3.000		
21,300.0	11,911.0	21,485.9	11,737.0	77.2	78.0	-67.57	-9,970.2	103.1	458.7	304.3	154.38	2.971		
21,359.6	11,911.0	21,545.5	11,737.0	77.6	78.4	-67.57	-10,029.8	103.5	458.7	303.4	155.26	2.954		
21,400.0	11,911.0	21,585.9	11,737.0	77.9	78.7	-67.57	-10,070.2	103.7	458.7	302.8	155.85	2.943		
21,409.6	11,911.0	21,595.5	11,737.0	78.0	78.8	-67.57	-10,079.8	103.8	458.7	302.7	155.99	2.940 SF		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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	1.0	1.0	3.0	3.0	123.78	-33.5	50.1	60.3	53.3	6.98	8.633	
100.0	100.0	101.0	101.0	3.1	3.1	123.78	-33.5	50.1	60.3	53.0	7.23	8.339	
200.0	200.0	201.0	201.0	3.2	3.3	123.78	-33.5	50.1	60.3	52.8	7.46	8.073	
300.0	300.0	301.0	301.0	3.4	3.4	123.78	-33.5	50.1	60.3	52.6	7.70	7.830	
400.0	400.0	401.0	401.0	3.5	3.5	123.78	-33.5	50.1	60.3	52.3	7.92	7.607	
500.0	500.0	501.0	501.0	3.6	3.6	123.78	-33.5	50.1	60.3	52.1	8.14	7.401	
600.0	600.0	601.0	601.0	3.7	3.7	123.78	-33.5	50.1	60.3	51.9	8.36	7.209	
700.0	700.0	701.0	701.0	3.9	3.9	123.78	-33.5	50.1	60.3	51.7	8.57	7.031	
800.0	800.0	801.0	801.0	4.0	4.0	123.78	-33.5	50.1	60.3	51.5	8.78	6.864	
900.0	900.0	901.0	901.0	4.1	4.1	123.78	-33.5	50.1	60.3	51.3	8.98	6.708	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.78	-33.5	50.1	60.3	51.1	9.19	6.561	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.78	-33.5	50.1	60.3	50.9	9.38	6.422	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.78	-33.5	50.1	60.3	50.7	9.58	6.291	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.78	-33.5	50.1	60.3	50.5	9.77	6.167	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.78	-33.5	50.1	60.3	50.3	9.96	6.050	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.78	-33.5	50.1	60.3	50.2	10.09	5.975 CC, ES	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.78	-33.5	50.1	60.3	50.2	10.02	6.014	
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-100.83	-33.3	51.8	61.9	51.9	10.03	6.174	
1,700.0	1,699.8	1,697.0	1,696.9	5.2	5.1	-107.64	-32.7	56.8	67.5	57.1	10.37	6.505	
1,800.0	1,799.5	1,793.5	1,793.0	5.5	5.3	-116.51	-31.7	65.0	78.5	67.7	10.79	7.274	
1,900.0	1,898.7	1,888.2	1,887.0	5.8	5.6	-125.09	-30.3	76.2	96.1	84.8	11.30	8.509	
2,000.0	1,997.5	1,984.0	1,981.9	6.1	5.8	-132.29	-28.7	89.4	119.7	107.9	11.84	10.109	
2,100.0	2,095.9	2,079.7	2,076.6	6.3	6.0	-137.85	-27.1	102.6	145.9	133.5	12.38	11.789	
2,200.0	2,194.4	2,175.4	2,171.4	6.6	6.3	-141.71	-25.4	115.8	173.0	160.1	12.93	13.383	
2,300.0	2,292.9	2,271.1	2,266.2	6.9	6.6	-144.53	-23.8	129.0	200.6	187.1	13.50	14.866	
2,400.0	2,391.4	2,366.8	2,360.9	7.2	6.9	-146.67	-22.2	142.2	228.6	214.5	14.08	16.231	
2,500.0	2,489.9	2,462.5	2,455.7	7.5	7.2	-148.34	-20.6	155.5	256.8	242.1	14.69	17.480	
2,600.0	2,588.3	2,558.2	2,550.5	7.9	7.5	-149.68	-18.9	168.7	285.2	269.9	15.32	18.620	
2,700.0	2,686.8	2,653.9	2,645.2	8.2	7.8	-150.78	-17.3	181.9	313.7	297.7	15.95	19.660	
2,800.0	2,785.3	2,749.6	2,740.0	8.6	8.1	-151.69	-15.7	195.1	342.2	325.6	16.61	20.607	
2,900.0	2,883.8	2,845.3	2,834.8	9.0	8.5	-152.47	-14.1	208.3	370.9	353.6	17.27	21.470	
3,000.0	2,982.3	2,941.0	2,929.5	9.3	8.8	-153.13	-12.5	221.6	399.6	381.6	17.95	22.258	
3,100.0	3,080.8	3,036.7	3,024.3	9.7	9.2	-153.71	-10.8	234.8	428.3	409.7	18.64	22.979	
3,200.0	3,179.2	3,132.4	3,119.1	10.1	9.5	-154.21	-9.2	248.0	457.1	437.8	19.34	23.639	
3,300.0	3,277.7	3,228.1	3,213.8	10.5	9.9	-154.65	-7.6	261.2	485.9	465.9	20.04	24.244	
3,400.0	3,376.2	3,323.8	3,308.6	10.9	10.3	-155.05	-6.0	274.4	514.7	494.0	20.75	24.801	
3,500.0	3,474.7	3,419.5	3,403.4	11.3	10.6	-155.40	-4.3	287.7	543.6	522.1	21.47	25.313	
3,600.0	3,573.2	3,515.2	3,498.1	11.7	11.0	-155.71	-2.7	300.9	572.4	550.2	22.20	25.786	
3,700.0	3,671.6	3,610.9	3,592.9	12.1	11.4	-156.00	-1.1	314.1	601.3	578.4	22.93	26.223	
3,800.0	3,770.1	3,706.6	3,687.7	12.6	11.8	-156.26	0.5	327.3	630.2	606.5	23.67	26.628	
3,900.0	3,868.6	3,802.3	3,782.4	13.0	12.1	-156.50	2.2	340.5	659.1	634.7	24.41	27.004	
4,000.0	3,967.1	3,898.0	3,877.2	13.4	12.5	-156.71	3.8	353.8	688.0	662.9	25.15	27.354	
4,100.0	4,065.6	3,993.7	3,972.0	13.8	12.9	-156.91	5.4	367.0	716.9	691.0	25.90	27.680	
4,200.0	4,164.0	4,089.4	4,066.8	14.2	13.3	-157.10	7.0	380.2	745.9	719.2	26.65	27.984	
4,300.0	4,262.5	4,185.1	4,161.5	14.7	13.7	-157.27	8.6	393.4	774.8	747.4	27.41	28.268	
4,400.0	4,361.0	4,280.8	4,256.3	15.1	14.1	-157.43	10.3	406.6	803.7	775.6	28.16	28.545	
4,500.0	4,459.5	4,391.5	4,366.1	15.5	14.5	-157.62	12.0	420.9	831.8	802.8	29.03	28.652	
4,545.2	4,504.0	4,442.0	4,416.3	15.7	14.7	-157.72	12.7	426.7	843.9	814.5	29.41	28.695	
4,600.0	4,558.0	4,503.6	4,477.6	15.9	15.0	-157.90	13.5	433.2	857.9	828.0	29.87	28.722	
4,700.0	4,656.8	4,617.2	4,590.6	16.4	15.4	-158.20	14.8	443.4	880.8	850.1	30.71	28.683	
4,800.0	4,755.8	4,732.0	4,705.2	16.8	15.8	-158.48	15.8	451.5	900.3	868.8	31.52	28.564	
4,900.0	4,855.1	4,848.0	4,821.0	17.2	16.2	-158.74	16.5	457.4	916.3	884.0	32.29	28.377	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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:					
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
5,000.0	4,954.6	4,964.9	4,937.8	17.6	16.5	-158.98	16.9	460.9	928.8	895.8	33.01	28.139	
5,100.0	5,054.2	5,082.4	5,055.3	17.9	16.7	-159.21	17.1	462.1	937.8	904.3	33.59	27.922	
5,200.0	5,153.9	5,182.0	5,154.9	18.3	16.8	-159.38	17.1	462.1	944.3	910.3	33.98	27.788	
5,300.0	5,253.8	5,281.9	5,254.8	18.6	16.8	-159.51	17.1	462.1	949.1	914.8	34.36	27.623	
5,400.0	5,353.7	5,381.8	5,354.7	18.9	16.9	-159.59	17.1	462.1	952.3	917.6	34.71	27.437	
5,500.0	5,453.7	5,481.8	5,454.7	19.2	16.9	-159.63	17.1	462.1	953.9	918.9	35.01	27.243	
5,545.2	5,498.9	5,527.0	5,499.9	19.3	16.9	62.36	17.1	462.1	954.0	919.0	35.08	27.196	
5,600.0	5,553.7	5,581.8	5,554.7	19.3	17.0	62.36	17.1	462.1	954.0	918.9	35.11	27.174	
5,700.0	5,653.7	5,681.8	5,654.7	19.3	17.0	62.36	17.1	462.1	954.0	918.8	35.18	27.116	
5,800.0	5,753.7	5,781.8	5,754.7	19.3	17.1	62.36	17.1	462.1	954.0	918.8	35.26	27.058	
5,900.0	5,853.7	5,881.8	5,854.7	19.3	17.1	62.36	17.1	462.1	954.0	918.7	35.34	26.999	
6,000.0	5,953.7	5,981.8	5,954.7	19.4	17.2	62.36	17.1	462.1	954.0	918.6	35.41	26.940	
6,100.0	6,053.7	6,081.8	6,054.7	19.4	17.2	62.36	17.1	462.1	954.0	918.5	35.49	26.882	
6,200.0	6,153.7	6,181.8	6,154.7	19.4	17.3	62.36	17.1	462.1	954.0	918.5	35.57	26.823	
6,300.0	6,253.7	6,281.8	6,254.7	19.5	17.3	62.36	17.1	462.1	954.0	918.4	35.65	26.764	
6,400.0	6,353.7	6,381.8	6,354.7	19.5	17.4	62.36	17.1	462.1	954.0	918.3	35.73	26.704	
6,500.0	6,453.7	6,481.8	6,454.7	19.5	17.4	62.36	17.1	462.1	954.0	918.2	35.81	26.645	
6,600.0	6,553.7	6,581.8	6,554.7	19.6	17.5	62.36	17.1	462.1	954.0	918.1	35.89	26.585	
6,700.0	6,653.7	6,681.8	6,654.7	19.6	17.5	62.36	17.1	462.1	954.0	918.1	35.97	26.525	
6,800.0	6,753.7	6,781.8	6,754.7	19.6	17.6	62.36	17.1	462.1	954.0	918.0	36.05	26.466	
6,900.0	6,853.7	6,881.8	6,854.7	19.7	17.6	62.36	17.1	462.1	954.0	917.9	36.13	26.406	
7,000.0	6,953.7	6,981.8	6,954.7	19.7	17.7	62.36	17.1	462.1	954.0	917.8	36.21	26.345	
7,100.0	7,053.7	7,081.8	7,054.7	19.7	17.7	62.36	17.1	462.1	954.0	917.7	36.30	26.285	
7,200.0	7,153.7	7,181.8	7,154.7	19.7	17.8	62.36	17.1	462.1	954.0	917.7	36.38	26.225	
7,300.0	7,253.7	7,281.8	7,254.7	19.8	17.8	62.36	17.1	462.1	954.0	917.6	36.46	26.164	
7,400.0	7,353.7	7,381.8	7,354.7	19.8	17.9	62.36	17.1	462.1	954.0	917.5	36.55	26.104	
7,500.0	7,453.7	7,481.8	7,454.7	19.8	17.9	62.36	17.1	462.1	954.0	917.4	36.63	26.043	
7,600.0	7,553.7	7,581.8	7,554.7	19.9	18.0	62.36	17.1	462.1	954.0	917.3	36.72	25.982	
7,700.0	7,653.7	7,681.8	7,654.7	19.9	18.0	62.36	17.1	462.1	954.0	917.2	36.80	25.922	
7,800.0	7,753.7	7,781.8	7,754.7	20.0	18.1	62.36	17.1	462.1	954.0	917.1	36.89	25.861	
7,900.0	7,853.7	7,881.8	7,854.7	20.0	18.1	62.36	17.1	462.1	954.0	917.1	36.98	25.800	
8,000.0	7,953.7	7,981.8	7,954.7	20.0	18.2	62.36	17.1	462.1	954.0	917.0	37.07	25.739	
8,100.0	8,053.7	8,081.8	8,054.7	20.1	18.2	62.36	17.1	462.1	954.0	916.9	37.15	25.678	
8,200.0	8,153.7	8,181.8	8,154.7	20.1	18.3	62.36	17.1	462.1	954.0	916.8	37.24	25.617	
8,300.0	8,253.7	8,281.8	8,254.7	20.1	18.3	62.36	17.1	462.1	954.0	916.7	37.33	25.555	
8,400.0	8,353.7	8,381.8	8,354.7	20.2	18.4	62.36	17.1	462.1	954.0	916.6	37.42	25.494	
8,500.0	8,453.7	8,481.8	8,454.7	20.2	18.4	62.36	17.1	462.1	954.0	916.5	37.51	25.433	
8,600.0	8,553.7	8,581.8	8,554.7	20.2	18.5	62.36	17.1	462.1	954.0	916.4	37.60	25.372	
8,700.0	8,653.7	8,681.8	8,654.7	20.3	18.5	62.36	17.1	462.1	954.0	916.3	37.69	25.310	
8,800.0	8,753.7	8,781.8	8,754.7	20.3	18.6	62.36	17.1	462.1	954.0	916.2	37.78	25.249	
8,900.0	8,853.7	8,881.8	8,854.7	20.3	18.6	62.36	17.1	462.1	954.0	916.2	37.88	25.188	
9,000.0	8,953.7	8,981.8	8,954.7	20.4	18.7	62.36	17.1	462.1	954.0	916.1	37.97	25.126	
9,100.0	9,053.7	9,081.8	9,054.7	20.4	18.8	62.36	17.1	462.1	954.0	916.0	38.06	25.065	
9,200.0	9,153.7	9,181.8	9,154.7	20.5	18.8	62.36	17.1	462.1	954.0	915.9	38.16	25.003	
9,300.0	9,253.7	9,281.8	9,254.7	20.5	18.9	62.36	17.1	462.1	954.0	915.8	38.25	24.942	
9,400.0	9,353.7	9,381.8	9,354.7	20.5	18.9	62.36	17.1	462.1	954.0	915.7	38.34	24.881	
9,500.0	9,453.7	9,481.8	9,454.7	20.6	19.0	62.36	17.1	462.1	954.0	915.6	38.44	24.819	
9,600.0	9,553.7	9,581.8	9,554.7	20.6	19.0	62.36	17.1	462.1	954.0	915.5	38.53	24.758	
9,700.0	9,653.7	9,681.8	9,654.7	20.7	19.1	62.36	17.1	462.1	954.0	915.4	38.63	24.697	
9,800.0	9,753.7	9,781.8	9,754.7	20.7	19.1	62.36	17.1	462.1	954.0	915.3	38.73	24.635	
9,900.0	9,853.7	9,881.8	9,854.7	20.7	19.2	62.36	17.1	462.1	954.0	915.2	38.82	24.574	
10,000.0	9,953.7	9,981.8	9,954.7	20.8	19.3	62.36	17.1	462.1	954.0	915.1	38.92	24.513	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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	10,053.7	10,081.8	10,054.7	20.8	19.3	62.36	17.1	462.1	954.0	915.0	39.02	24.452	
10,200.0	10,153.7	10,181.8	10,154.7	20.9	19.4	62.36	17.1	462.1	954.0	914.9	39.11	24.391	
10,300.0	10,253.7	10,281.8	10,254.7	20.9	19.4	62.36	17.1	462.1	954.0	914.8	39.21	24.329	
10,400.0	10,353.7	10,381.8	10,354.7	20.9	19.5	62.36	17.1	462.1	954.0	914.7	39.31	24.268	
10,500.0	10,453.7	10,481.8	10,454.7	21.0	19.5	62.36	17.1	462.1	954.0	914.6	39.41	24.207	
10,600.0	10,553.7	10,581.8	10,554.7	21.0	19.6	62.36	17.1	462.1	954.0	914.5	39.51	24.146	
10,700.0	10,653.7	10,681.8	10,654.7	21.1	19.7	62.36	17.1	462.1	954.0	914.4	39.61	24.085	
10,800.0	10,753.7	10,781.8	10,754.7	21.1	19.7	62.36	17.1	462.1	954.0	914.3	39.71	24.024	
10,900.0	10,853.7	10,881.8	10,854.7	21.1	19.8	62.36	17.1	462.1	954.0	914.2	39.81	23.964	
11,000.0	10,953.7	10,981.8	10,954.7	21.2	19.8	62.36	17.1	462.1	954.0	914.1	39.91	23.903	
11,100.0	11,053.7	11,081.8	11,054.7	21.2	19.9	62.36	17.1	462.1	954.0	914.0	40.01	23.842	
11,200.0	11,153.7	11,181.8	11,154.7	21.3	19.9	62.36	17.1	462.1	954.0	913.9	40.12	23.782	
11,300.0	11,253.7	11,281.8	11,254.7	21.3	20.0	62.36	17.1	462.1	954.0	913.8	40.22	23.721	
11,400.0	11,353.7	11,381.8	11,354.7	21.4	20.1	62.36	17.1	462.1	954.0	913.7	40.32	23.661	
11,479.8	11,433.5	11,461.6	11,434.5	21.4	20.1	62.36	17.1	462.1	954.0	913.6	40.38	23.625	
11,500.0	11,453.7	11,676.2	11,642.1	21.4	20.1	-115.14	-29.9	462.4	952.2	911.6	40.59	23.460	
11,525.0	11,478.7	11,871.4	11,796.2	21.4	20.2	-109.68	-147.5	463.1	945.9	904.8	41.09	23.020	
11,550.0	11,503.5	11,966.4	11,850.8	21.4	20.2	-106.34	-225.1	463.6	937.6	896.5	41.10	22.811	
11,575.0	11,528.1	12,042.1	11,882.8	21.4	20.3	-103.47	-293.6	464.1	928.8	887.9	40.94	22.690	
11,600.0	11,552.5	12,093.5	11,898.1	21.4	20.3	-101.68	-342.6	464.4	920.1	879.4	40.68	22.616	
11,625.0	11,576.5	12,150.7	11,909.0	21.4	20.4	-99.41	-398.6	464.8	911.5	871.2	40.33	22.604	
11,650.0	11,600.1	12,169.5	11,910.9	21.4	20.4	-99.29	-417.3	464.9	903.4	863.3	40.10	22.528	
11,675.0	11,623.3	12,209.9	11,913.0	21.4	20.5	-97.81	-457.7	465.2	895.8	856.1	39.75	22.535	
11,700.0	11,646.0	12,222.1	11,913.0	21.5	20.5	-97.95	-469.8	465.2	888.8	849.2	39.58	22.454	
11,725.0	11,668.1	12,233.8	11,913.0	21.5	20.5	-98.04	-481.5	465.3	882.4	843.0	39.44	22.375	
11,750.0	11,689.5	12,246.6	11,913.0	21.5	20.5	-98.01	-494.4	465.4	876.7	837.4	39.31	22.304	
11,775.0	11,710.3	12,260.6	11,913.0	21.5	20.6	-97.85	-508.3	465.5	871.7	832.5	39.20	22.239	
11,800.0	11,730.3	12,275.6	11,913.0	21.5	20.6	-97.59	-523.4	465.6	867.3	828.2	39.10	22.180	
11,825.0	11,749.4	12,291.6	11,913.0	21.5	20.6	-97.23	-539.4	465.7	863.5	824.5	39.03	22.125	
11,850.0	11,767.7	12,308.6	11,913.0	21.5	20.6	-96.79	-556.4	465.8	860.2	821.2	38.97	22.072	
11,875.0	11,785.1	12,326.6	11,913.0	21.5	20.7	-96.29	-574.4	465.9	857.5	818.5	38.94	22.021	
11,900.0	11,801.6	12,345.5	11,913.0	21.6	20.7	-95.73	-593.2	466.0	855.2	816.3	38.92	21.972	
11,925.0	11,817.0	12,365.1	11,913.0	21.6	20.8	-95.14	-612.9	466.2	853.3	814.4	38.92	21.924	
11,950.0	11,831.3	12,385.6	11,913.0	21.6	20.8	-94.53	-633.4	466.3	851.9	812.9	38.94	21.877	
11,975.0	11,844.6	12,406.8	11,913.0	21.6	20.8	-93.91	-654.5	466.4	850.7	811.7	38.97	21.829	
12,000.0	11,856.8	12,428.6	11,913.0	21.6	20.9	-93.30	-676.4	466.6	849.8	810.8	39.02	21.779	
12,025.0	11,867.7	12,451.1	11,913.0	21.7	20.9	-92.72	-698.8	466.7	849.2	810.1	39.08	21.729	
12,050.0	11,877.5	12,474.1	11,913.0	21.7	21.0	-92.16	-721.8	466.9	848.7	809.6	39.15	21.678	
12,075.0	11,886.1	12,497.5	11,913.0	21.7	21.0	-91.66	-745.3	467.0	848.4	809.2	39.23	21.627	
12,100.0	11,893.5	12,521.4	11,913.0	21.7	21.1	-91.21	-769.2	467.2	848.2	808.9	39.32	21.571	
12,125.0	11,899.5	12,545.7	11,913.0	21.7	21.1	-90.82	-793.4	467.3	848.1	808.7	39.42	21.514	
12,150.0	11,904.3	12,570.2	11,913.0	21.8	21.2	-90.51	-818.0	467.5	848.1	808.5	39.53	21.456	
12,175.0	11,907.9	12,595.0	11,913.0	21.8	21.3	-90.28	-842.7	467.7	848.0	808.4	39.63	21.398	
12,200.0	11,910.1	12,619.9	11,913.0	21.8	21.3	-90.13	-867.6	467.8	848.0	808.3	39.75	21.335	
12,225.0	11,911.0	12,644.8	11,913.0	21.8	21.4	-90.07	-892.6	468.0	848.0	808.2	39.87	21.271	
12,229.8	11,911.0	12,649.6	11,913.0	21.8	21.4	-90.07	-897.4	468.0	848.0	808.1	39.89	21.259	
12,300.0	11,911.0	12,719.8	11,913.0	21.9	21.6	-90.07	-967.6	468.5	848.0	807.8	40.25	21.071	
12,400.0	11,911.0	12,819.8	11,913.0	22.0	21.9	-90.07	-1,067.6	469.1	848.0	807.2	40.80	20.783	
12,500.0	11,911.0	12,919.8	11,913.0	22.1	22.2	-90.07	-1,167.6	469.8	848.0	806.6	41.41	20.478	
12,600.0	11,911.0	13,019.8	11,913.0	22.2	22.5	-90.07	-1,267.6	470.4	848.0	806.0	42.06	20.161	
12,700.0	11,911.0	13,119.8	11,913.0	22.4	22.9	-90.07	-1,367.6	471.1	848.0	805.3	42.76	19.833	
12,800.0	11,911.0	13,219.8	11,913.0	22.5	23.3	-90.07	-1,467.6	471.7	848.0	804.5	43.50	19.497	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,900.0	11,911.0	13,319.8	11,913.0	22.8	23.6	-90.07	-1,567.6	472.4	848.0	803.8	44.27	19.155	
13,000.0	11,911.0	13,419.8	11,913.0	23.0	24.1	-90.07	-1,667.6	473.0	848.0	802.9	45.09	18.809	
13,100.0	11,911.0	13,519.8	11,913.0	23.2	24.5	-90.07	-1,767.6	473.7	848.0	802.1	45.94	18.461	
13,200.0	11,911.0	13,619.8	11,913.0	23.5	24.9	-90.07	-1,867.6	474.3	848.0	801.2	46.82	18.113	
13,300.0	11,911.0	13,719.8	11,913.0	23.8	25.4	-90.07	-1,967.6	475.0	848.0	800.3	47.73	17.766	
13,400.0	11,911.0	13,819.8	11,913.0	24.2	25.9	-90.07	-2,067.6	475.6	848.0	799.4	48.68	17.421	
13,500.0	11,911.0	13,919.8	11,913.0	24.6	26.3	-90.07	-2,167.6	476.3	848.0	798.4	49.65	17.080	
13,600.0	11,911.0	14,019.8	11,913.0	25.0	26.8	-90.07	-2,267.6	476.9	848.0	797.4	50.65	16.743	
13,700.0	11,911.0	14,119.8	11,913.0	25.4	27.3	-90.07	-2,367.6	477.6	848.0	796.4	51.67	16.412	
13,800.0	11,911.0	14,219.8	11,913.0	25.8	27.9	-90.07	-2,467.6	478.2	848.0	795.3	52.72	16.086	
13,900.0	11,911.0	14,319.8	11,913.0	26.3	28.4	-90.07	-2,567.6	478.9	848.0	794.2	53.79	15.766	
14,000.0	11,911.0	14,419.8	11,913.0	26.8	28.9	-90.07	-2,667.6	479.5	848.0	793.2	54.88	15.453	
14,100.0	11,911.0	14,519.8	11,913.0	27.3	29.5	-90.07	-2,767.6	480.2	848.0	792.0	55.99	15.147	
14,200.0	11,911.0	14,619.8	11,913.0	27.8	30.1	-90.07	-2,867.6	480.9	848.0	790.9	57.11	14.848	
14,300.0	11,911.0	14,719.8	11,913.0	28.4	30.6	-90.07	-2,967.6	481.5	848.0	789.8	58.26	14.556	
14,400.0	11,911.0	14,819.8	11,913.0	28.9	31.2	-90.07	-3,067.6	482.2	848.0	788.6	59.42	14.272	
14,500.0	11,911.0	14,919.8	11,913.0	29.5	31.8	-90.07	-3,167.6	482.8	848.0	787.4	60.59	13.995	
14,600.0	11,911.0	15,019.8	11,913.0	30.1	32.4	-90.07	-3,267.6	483.5	848.0	786.2	61.79	13.725	
14,700.0	11,911.0	15,119.8	11,913.0	30.6	33.0	-90.07	-3,367.6	484.1	848.0	785.0	62.99	13.463	
14,800.0	11,911.0	15,219.8	11,913.0	31.2	33.6	-90.07	-3,467.6	484.8	848.0	783.8	64.21	13.208	
14,900.0	11,911.0	15,319.8	11,913.0	31.8	34.2	-90.07	-3,567.5	485.4	848.0	782.6	65.44	12.960	
15,000.0	11,911.0	15,419.8	11,913.0	32.5	34.8	-90.07	-3,667.5	486.1	848.0	781.3	66.68	12.718	
15,100.0	11,911.0	15,519.8	11,913.0	33.1	35.5	-90.07	-3,767.5	486.7	848.0	780.1	67.93	12.484	
15,200.0	11,911.0	15,619.8	11,913.0	33.7	36.1	-90.07	-3,867.5	487.4	848.0	778.8	69.19	12.256	
15,300.0	11,911.0	15,719.8	11,913.0	34.4	36.7	-90.07	-3,967.5	488.0	848.0	777.6	70.46	12.035	
15,400.0	11,911.0	15,819.8	11,913.0	35.0	37.4	-90.07	-4,067.5	488.7	848.0	776.3	71.74	11.820	
15,500.0	11,911.0	15,919.8	11,913.0	35.7	38.0	-90.07	-4,167.5	489.3	848.0	775.0	73.03	11.612	
15,600.0	11,911.0	16,019.8	11,913.0	36.3	38.7	-90.07	-4,267.5	490.0	848.0	773.7	74.33	11.409	
15,700.0	11,911.0	16,119.8	11,913.0	37.0	39.3	-90.07	-4,367.5	490.6	848.0	772.4	75.63	11.212	
15,800.0	11,911.0	16,219.8	11,913.0	37.6	40.0	-90.07	-4,467.5	491.3	848.0	771.1	76.95	11.021	
15,900.0	11,911.0	16,319.8	11,913.0	38.3	40.6	-90.07	-4,567.5	491.9	848.0	769.8	78.27	10.835	
16,000.0	11,911.0	16,419.8	11,913.0	39.0	41.3	-90.07	-4,667.5	492.6	848.0	768.4	79.59	10.654	
16,100.0	11,911.0	16,519.8	11,913.0	39.6	42.0	-90.07	-4,767.5	493.2	848.0	767.1	80.93	10.479	
16,200.0	11,911.0	16,619.8	11,913.0	40.3	42.6	-90.07	-4,867.5	493.9	848.0	765.8	82.26	10.309	
16,300.0	11,911.0	16,719.8	11,913.0	41.0	43.3	-90.07	-4,967.5	494.5	848.0	764.4	83.61	10.143	
16,400.0	11,911.0	16,819.8	11,913.0	41.7	44.0	-90.07	-5,067.5	495.2	848.0	763.1	84.96	9.982	
16,500.0	11,911.0	16,919.8	11,913.0	42.4	44.7	-90.07	-5,167.5	495.8	848.0	761.7	86.31	9.825	
16,600.0	11,911.0	17,019.8	11,913.0	43.1	45.3	-90.07	-5,267.5	496.5	848.0	760.3	87.67	9.672	
16,700.0	11,911.0	17,119.8	11,913.0	43.8	46.0	-90.07	-5,367.5	497.1	848.0	759.0	89.04	9.524	
16,800.0	11,911.0	17,219.8	11,913.0	44.5	46.7	-90.07	-5,467.5	497.8	848.0	757.6	90.41	9.380	
16,900.0	11,911.0	17,319.8	11,913.0	45.2	47.4	-90.07	-5,567.5	498.4	848.0	756.2	91.78	9.240	
17,000.0	11,911.0	17,419.8	11,913.0	45.9	48.1	-90.07	-5,667.5	499.1	848.0	754.9	93.16	9.103	
17,100.0	11,911.0	17,519.8	11,913.0	46.6	48.8	-90.07	-5,767.5	499.7	848.0	753.5	94.54	8.970	
17,200.0	11,911.0	17,619.8	11,913.0	47.3	49.5	-90.07	-5,867.5	500.4	848.0	752.1	95.93	8.840	
17,300.0	11,911.0	17,719.8	11,913.0	48.0	50.2	-90.07	-5,967.5	501.0	848.0	750.7	97.31	8.714	
17,400.0	11,911.0	17,819.8	11,913.0	48.7	50.9	-90.07	-6,067.5	501.7	848.0	749.3	98.71	8.591	
17,500.0	11,911.0	17,919.8	11,913.0	49.4	51.6	-90.07	-6,167.5	502.3	848.0	747.9	100.10	8.471	
17,600.0	11,911.0	18,019.8	11,913.0	50.1	52.3	-90.07	-6,267.5	503.0	848.0	746.5	101.50	8.355	
17,700.0	11,911.0	18,119.8	11,913.0	50.8	53.0	-90.07	-6,367.5	503.6	848.0	745.1	102.90	8.241	
17,800.0	11,911.0	18,219.8	11,913.0	51.6	53.7	-90.07	-6,467.5	504.3	848.0	743.7	104.31	8.130	
17,900.0	11,911.0	18,319.8	11,913.0	52.3	54.4	-90.07	-6,567.5	504.9	848.0	742.3	105.72	8.022	
18,000.0	11,911.0	18,419.8	11,913.0	53.0	55.1	-90.07	-6,667.5	505.6	848.0	740.9	107.13	7.916	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,100.0	11,911.0	18,519.8	11,913.0	53.7	55.8	-90.07	-6,767.5	506.2	848.0	739.5	108.54	7.813		
18,200.0	11,911.0	18,619.8	11,913.0	54.4	56.6	-90.07	-6,867.5	506.9	848.0	738.1	109.95	7.712		
18,300.0	11,911.0	18,719.8	11,913.0	55.1	57.3	-90.07	-6,967.5	507.5	848.0	736.6	111.37	7.614		
18,400.0	11,911.0	18,819.8	11,913.0	55.9	58.0	-90.07	-7,067.5	508.2	848.0	735.2	112.79	7.518		
18,500.0	11,911.0	18,919.8	11,913.0	56.6	58.7	-90.07	-7,167.5	508.8	848.0	733.8	114.21	7.425		
18,600.0	11,911.0	19,019.8	11,913.0	57.3	59.4	-90.07	-7,267.5	509.5	848.0	732.4	115.64	7.333		
18,700.0	11,911.0	19,119.8	11,913.0	58.0	60.1	-90.07	-7,367.5	510.1	848.0	730.9	117.07	7.244		
18,800.0	11,911.0	19,219.8	11,913.0	58.8	60.9	-90.07	-7,467.5	510.8	848.0	729.5	118.49	7.156		
18,900.0	11,911.0	19,319.8	11,913.0	59.5	61.6	-90.07	-7,567.5	511.4	848.0	728.1	119.92	7.071		
19,000.0	11,911.0	19,419.8	11,913.0	60.2	62.3	-90.07	-7,667.5	512.1	848.0	726.6	121.36	6.988		
19,100.0	11,911.0	19,519.8	11,913.0	61.0	63.0	-90.07	-7,767.5	512.7	848.0	725.2	122.79	6.906		
19,200.0	11,911.0	19,619.8	11,913.0	61.7	63.7	-90.07	-7,867.5	513.4	848.0	723.8	124.23	6.826		
19,300.0	11,911.0	19,719.8	11,913.0	62.4	64.5	-90.07	-7,967.5	514.1	848.0	722.3	125.66	6.748		
19,400.0	11,911.0	19,819.8	11,913.0	63.2	65.2	-90.07	-8,067.5	514.7	848.0	720.9	127.10	6.672		
19,500.0	11,911.0	19,919.8	11,913.0	63.9	65.9	-90.07	-8,167.5	515.4	848.0	719.5	128.54	6.597		
19,600.0	11,911.0	20,019.8	11,913.0	64.6	66.6	-90.07	-8,267.4	516.0	848.0	718.0	129.99	6.524		
19,700.0	11,911.0	20,119.8	11,913.0	65.4	67.4	-90.07	-8,367.4	516.7	848.0	716.6	131.43	6.452		
19,800.0	11,911.0	20,219.8	11,913.0	66.1	68.1	-90.07	-8,467.4	517.3	848.0	715.1	132.87	6.382		
19,900.0	11,911.0	20,319.8	11,913.0	66.8	68.8	-90.07	-8,567.4	518.0	848.0	713.7	134.32	6.313		
20,000.0	11,911.0	20,419.8	11,913.0	67.6	69.6	-90.07	-8,667.4	518.6	848.0	712.2	135.77	6.246		
20,100.0	11,911.0	20,519.8	11,913.0	68.3	70.3	-90.07	-8,767.4	519.3	848.0	710.8	137.22	6.180		
20,200.0	11,911.0	20,619.8	11,913.0	69.0	71.0	-90.07	-8,867.4	519.9	848.0	709.3	138.67	6.115		
20,300.0	11,911.0	20,719.8	11,913.0	69.8	71.8	-90.07	-8,967.4	520.6	848.0	707.9	140.12	6.052		
20,400.0	11,911.0	20,819.8	11,913.0	70.5	72.5	-90.07	-9,067.4	521.2	848.0	706.4	141.57	5.990		
20,500.0	11,911.0	20,919.8	11,913.0	71.3	73.2	-90.07	-9,167.4	521.9	848.0	705.0	143.02	5.929		
20,600.0	11,911.0	21,019.8	11,913.0	72.0	74.0	-90.07	-9,267.4	522.5	848.0	703.5	144.48	5.869		
20,700.0	11,911.0	21,119.8	11,913.0	72.7	74.7	-90.07	-9,367.4	523.2	848.0	702.1	145.93	5.811		
20,800.0	11,911.0	21,219.8	11,913.0	73.5	75.4	-90.07	-9,467.4	523.8	848.0	700.6	147.39	5.753		
20,900.0	11,911.0	21,319.8	11,913.0	74.2	76.2	-90.07	-9,567.4	524.5	848.0	699.1	148.85	5.697		
21,000.0	11,911.0	21,419.8	11,913.0	75.0	76.9	-90.07	-9,667.4	525.1	848.0	697.7	150.31	5.642		
21,100.0	11,911.0	21,519.8	11,913.0	75.7	77.6	-90.07	-9,767.4	525.8	848.0	696.2	151.77	5.588		
21,200.0	11,911.0	21,619.8	11,913.0	76.5	78.4	-90.07	-9,867.4	526.4	848.0	694.8	153.23	5.534		
21,300.0	11,911.0	21,719.8	11,913.0	77.2	79.1	-90.07	-9,967.4	527.1	848.0	693.3	154.69	5.482		
21,359.6	11,911.0	21,779.5	11,913.0	77.6	79.6	-90.07	-10,027.0	527.5	848.0	692.4	155.56	5.451		
21,400.0	11,911.0	21,819.8	11,913.0	77.9	79.9	-90.07	-10,067.4	527.7	848.0	691.8	156.14	5.431		
21,409.6	11,911.0	21,829.5	11,913.0	78.0	79.9	-90.07	-10,077.0	527.8	848.0	691.7	156.28	5.426 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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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	1.0	1.0	3.0	3.0	123.81	-50.4	75.2	90.6	83.6	6.98	12.973	
100.0	100.0	101.0	101.0	3.1	3.1	123.81	-50.4	75.2	90.6	83.3	7.23	12.532	
200.0	200.0	201.0	201.0	3.2	3.3	123.81	-50.4	75.2	90.6	83.1	7.46	12.132	
300.0	300.0	301.0	301.0	3.4	3.4	123.81	-50.4	75.2	90.6	82.9	7.70	11.767	
400.0	400.0	401.0	401.0	3.5	3.5	123.81	-50.4	75.2	90.6	82.6	7.92	11.431	
500.0	500.0	501.0	501.0	3.6	3.6	123.81	-50.4	75.2	90.6	82.4	8.14	11.121	
600.0	600.0	601.0	601.0	3.7	3.7	123.81	-50.4	75.2	90.6	82.2	8.36	10.834	
700.0	700.0	701.0	701.0	3.9	3.9	123.81	-50.4	75.2	90.6	82.0	8.57	10.566	
800.0	800.0	801.0	801.0	4.0	4.0	123.81	-50.4	75.2	90.6	81.8	8.78	10.315	
900.0	900.0	901.0	901.0	4.1	4.1	123.81	-50.4	75.2	90.6	81.6	8.98	10.080	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.81	-50.4	75.2	90.6	81.4	9.19	9.859	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.81	-50.4	75.2	90.6	81.2	9.38	9.651	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.81	-50.4	75.2	90.6	81.0	9.58	9.454	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.81	-50.4	75.2	90.6	80.8	9.77	9.268	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.81	-50.4	75.2	90.6	80.6	9.96	9.091	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	123.81	-50.4	75.2	90.6	80.5	10.09	8.979 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	123.81	-50.4	75.2	90.6	80.4	10.15	8.924 ES, SF	
1,600.0	1,600.0	1,598.4	1,598.4	5.0	4.9	-99.85	-50.3	76.9	92.2	82.2	10.04	9.190	
1,700.0	1,699.8	1,695.3	1,695.2	5.2	5.1	-104.41	-49.9	81.9	97.6	87.2	10.39	9.397	
1,800.0	1,799.5	1,791.0	1,790.5	5.5	5.3	-110.81	-49.4	90.0	107.8	97.0	10.78	10.001	
1,900.0	1,898.7	1,885.0	1,883.8	5.8	5.5	-117.74	-48.6	101.0	123.9	112.7	11.24	11.025	
2,000.0	1,997.5	1,976.7	1,974.5	6.1	5.8	-124.15	-47.6	114.7	146.6	134.9	11.77	12.461	
2,100.0	2,095.9	2,066.3	2,062.7	6.3	6.1	-129.61	-46.5	130.9	175.0	162.7	12.30	14.228	
2,200.0	2,194.4	2,158.0	2,152.4	6.6	6.4	-133.69	-45.2	149.7	207.0	194.2	12.84	16.119	
2,300.0	2,292.9	2,251.8	2,244.1	6.9	6.7	-136.77	-43.8	169.2	240.0	226.6	13.41	17.900	
2,400.0	2,391.4	2,345.5	2,335.7	7.2	7.0	-139.10	-42.5	188.6	273.4	259.4	13.99	19.539	
2,500.0	2,489.9	2,439.2	2,427.4	7.5	7.3	-140.93	-41.1	208.1	307.1	292.5	14.60	21.038	
2,600.0	2,588.3	2,533.0	2,519.1	7.9	7.6	-142.40	-39.7	227.5	341.1	325.8	15.23	22.402	
2,700.0	2,686.8	2,626.7	2,610.8	8.2	8.0	-143.61	-38.4	246.9	375.2	359.3	15.87	23.642	
2,800.0	2,785.3	2,720.4	2,702.5	8.6	8.3	-144.61	-37.0	266.4	409.4	392.9	16.53	24.769	
2,900.0	2,883.8	2,814.1	2,794.2	9.0	8.7	-145.46	-35.7	285.8	443.8	426.6	17.21	25.793	
3,000.0	2,982.3	2,907.9	2,885.8	9.3	9.0	-146.19	-34.3	305.3	478.2	460.3	17.89	26.725	
3,100.0	3,080.8	3,001.6	2,977.5	9.7	9.4	-146.82	-32.9	324.7	512.7	494.1	18.59	27.574	
3,200.0	3,179.2	3,095.3	3,069.2	10.1	9.8	-147.37	-31.6	344.1	547.2	527.9	19.30	28.348	
3,300.0	3,277.7	3,189.1	3,160.9	10.5	10.2	-147.86	-30.2	363.6	581.7	561.7	20.02	29.056	
3,400.0	3,376.2	3,282.8	3,252.6	10.9	10.6	-148.29	-28.9	383.0	616.3	595.6	20.75	29.705	
3,500.0	3,474.7	3,376.5	3,344.3	11.3	11.0	-148.67	-27.5	402.5	650.9	629.5	21.48	30.300	
3,600.0	3,573.2	3,470.3	3,436.0	11.7	11.3	-149.02	-26.1	421.9	685.6	663.4	22.22	30.848	
3,700.0	3,671.6	3,564.0	3,527.6	12.1	11.7	-149.33	-24.8	441.3	720.2	697.3	22.97	31.353	
3,800.0	3,770.1	3,657.7	3,619.3	12.6	12.1	-149.62	-23.4	460.8	754.9	731.2	23.72	31.820	
3,900.0	3,868.6	3,751.5	3,711.0	13.0	12.6	-149.88	-22.1	480.2	789.6	765.1	24.48	32.252	
4,000.0	3,967.1	3,845.2	3,802.7	13.4	13.0	-150.12	-20.7	499.7	824.3	799.1	25.25	32.652	
4,100.0	4,065.6	3,938.9	3,894.4	13.8	13.4	-150.33	-19.4	519.1	859.0	833.0	26.01	33.024	
4,200.0	4,164.0	4,032.7	3,986.1	14.2	13.8	-150.54	-18.0	538.5	893.8	867.0	26.78	33.371	
4,300.0	4,262.5	4,126.4	4,077.7	14.7	14.2	-150.72	-16.6	558.0	928.5	900.9	27.56	33.694	
4,400.0	4,361.0	4,220.1	4,169.4	15.1	14.6	-150.90	-15.3	577.4	963.2	934.9	28.33	33.995	
4,500.0	4,459.5	4,313.9	4,261.1	15.5	15.0	-151.06	-13.9	596.9	998.0	968.9	29.11	34.278	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11575-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	2.0	2.0	3.0	3.0	123.78	-67.1	100.4	120.8	113.8	6.98	17.302		
100.0	100.0	102.0	102.0	3.1	3.1	123.78	-67.1	100.4	120.8	113.6	7.23	16.711		
200.0	200.0	202.0	202.0	3.2	3.3	123.78	-67.1	100.4	120.8	113.3	7.47	16.179		
300.0	300.0	302.0	302.0	3.4	3.4	123.78	-67.1	100.4	120.8	113.1	7.70	15.692		
400.0	400.0	402.0	402.0	3.5	3.5	123.78	-67.1	100.4	120.8	112.9	7.92	15.244		
500.0	500.0	502.0	502.0	3.6	3.6	123.78	-67.1	100.4	120.8	112.6	8.14	14.831		
600.0	600.0	602.0	602.0	3.7	3.7	123.78	-67.1	100.4	120.8	112.4	8.36	14.447		
700.0	700.0	702.0	702.0	3.9	3.9	123.78	-67.1	100.4	120.8	112.2	8.57	14.090		
800.0	800.0	802.0	802.0	4.0	4.0	123.78	-67.1	100.4	120.8	112.0	8.78	13.756		
900.0	900.0	902.0	902.0	4.1	4.1	123.78	-67.1	100.4	120.8	111.8	8.99	13.443		
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	123.78	-67.1	100.4	120.8	111.6	9.19	13.148		
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	123.78	-67.1	100.4	120.8	111.4	9.38	12.871		
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	123.78	-67.1	100.4	120.8	111.2	9.58	12.608		
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	123.78	-67.1	100.4	120.8	111.0	9.77	12.360		
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	123.78	-67.1	100.4	120.8	110.8	9.96	12.124		
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	123.78	-67.1	100.4	120.8	110.7	10.09	11.975 CC, ES, SF		
1,500.0	1,500.0	1,501.9	1,501.9	4.8	4.8	123.78	-67.1	100.4	120.8	110.8	10.02	12.052		
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-99.47	-67.1	102.1	122.5	112.5	10.05	12.194		
1,700.0	1,699.8	1,694.5	1,694.4	5.2	5.0	-102.81	-66.9	107.0	127.8	117.4	10.40	12.294		
1,800.0	1,799.5	1,789.4	1,788.9	5.5	5.2	-107.73	-66.6	115.0	137.6	126.8	10.78	12.766		
1,900.0	1,898.7	1,882.6	1,881.5	5.8	5.5	-113.37	-66.3	125.9	152.8	141.6	11.21	13.627		
2,000.0	1,997.5	1,973.7	1,971.5	6.1	5.8	-118.98	-65.8	139.5	174.1	162.4	11.71	14.873		
2,100.0	2,095.9	2,062.7	2,059.1	6.3	6.1	-124.14	-65.2	155.4	201.0	188.8	12.22	16.447		
2,200.0	2,194.4	2,149.9	2,144.3	6.6	6.4	-128.12	-64.6	173.8	232.1	219.4	12.75	18.208		
2,300.0	2,292.9	2,238.5	2,230.4	6.9	6.7	-131.28	-63.9	194.7	266.7	253.5	13.29	20.067		
2,400.0	2,391.4	2,331.1	2,320.3	7.2	7.0	-133.84	-63.1	217.1	302.5	288.6	13.87	21.809		
2,500.0	2,489.9	2,423.7	2,410.1	7.5	7.3	-135.87	-62.3	239.5	338.6	324.1	14.47	23.402		
2,600.0	2,588.3	2,516.4	2,500.0	7.9	7.7	-137.50	-61.5	261.9	375.0	359.9	15.09	24.853		
2,700.0	2,686.8	2,609.0	2,589.9	8.2	8.0	-138.85	-60.7	284.3	411.7	396.0	15.73	26.172		
2,800.0	2,785.3	2,701.7	2,679.8	8.6	8.4	-139.98	-59.9	306.7	448.5	432.1	16.39	27.369		
2,900.0	2,883.8	2,794.3	2,769.7	9.0	8.7	-140.94	-59.2	329.1	485.5	468.4	17.06	28.454		
3,000.0	2,982.3	2,886.9	2,859.6	9.3	9.1	-141.77	-58.4	351.5	522.5	504.8	17.75	29.440		
3,100.0	3,080.8	2,979.6	2,949.5	9.7	9.4	-142.48	-57.6	373.9	559.6	541.2	18.45	30.338		
3,200.0	3,179.2	3,072.2	3,039.3	10.1	9.8	-143.11	-56.8	396.3	596.8	577.7	19.16	31.155		
3,300.0	3,277.7	3,164.8	3,129.2	10.5	10.2	-143.66	-56.0	418.7	634.1	614.2	19.88	31.901		
3,400.0	3,376.2	3,257.5	3,219.1	10.9	10.6	-144.15	-55.3	441.1	671.4	650.8	20.61	32.584		
3,500.0	3,474.7	3,350.1	3,309.0	11.3	11.0	-144.59	-54.5	463.5	708.7	687.4	21.34	33.209		
3,600.0	3,573.2	3,442.7	3,398.9	11.7	11.4	-144.99	-53.7	485.9	746.1	724.0	22.08	33.784		
3,700.0	3,671.6	3,535.4	3,488.8	12.1	11.8	-145.35	-52.9	508.3	783.5	760.7	22.83	34.312		
3,800.0	3,770.1	3,628.0	3,578.7	12.6	12.2	-145.67	-52.1	530.7	820.9	797.3	23.59	34.799		
3,900.0	3,868.6	3,720.7	3,668.5	13.0	12.6	-145.97	-51.3	553.1	858.4	834.0	24.35	35.250		
4,000.0	3,967.1	3,813.3	3,758.4	13.4	13.0	-146.24	-50.6	575.5	895.8	870.7	25.12	35.666		
4,100.0	4,065.6	3,905.9	3,848.3	13.8	13.5	-146.49	-49.8	597.9	933.3	907.4	25.89	36.053		
4,200.0	4,164.0	3,998.6	3,938.2	14.2	13.9	-146.73	-49.0	620.3	970.8	944.1	26.66	36.412		

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	3.0	3.0	123.76	-83.9	125.5	151.0	144.0	6.98	21.630	
100.0	100.0	102.0	102.0	3.1	3.1	123.76	-83.9	125.5	151.0	143.8	7.23	20.891	
200.0	200.0	202.0	202.0	3.2	3.3	123.76	-83.9	125.5	151.0	143.5	7.47	20.225	
300.0	300.0	302.0	302.0	3.4	3.4	123.76	-83.9	125.5	151.0	143.3	7.70	19.617	
400.0	400.0	402.0	402.0	3.5	3.5	123.76	-83.9	125.5	151.0	143.1	7.92	19.057	
500.0	500.0	502.0	502.0	3.6	3.6	123.76	-83.9	125.5	151.0	142.9	8.14	18.541	
600.0	600.0	602.0	602.0	3.7	3.7	123.76	-83.9	125.5	151.0	142.6	8.36	18.061	
700.0	700.0	702.0	702.0	3.9	3.9	123.76	-83.9	125.5	151.0	142.4	8.57	17.614	
800.0	800.0	802.0	802.0	4.0	4.0	123.76	-83.9	125.5	151.0	142.2	8.78	17.197	
900.0	900.0	902.0	902.0	4.1	4.1	123.76	-83.9	125.5	151.0	142.0	8.99	16.805	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	123.76	-83.9	125.5	151.0	141.8	9.19	16.437	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	123.76	-83.9	125.5	151.0	141.6	9.38	16.090	
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	123.76	-83.9	125.5	151.0	141.4	9.58	15.762	
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	123.76	-83.9	125.5	151.0	141.2	9.77	15.451	
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	123.76	-83.9	125.5	151.0	141.0	9.96	15.156	
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	123.76	-83.9	125.5	151.0	140.9	10.09	14.970 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	123.76	-83.9	125.5	151.0	140.9	10.15	14.880 ES, SF	
1,600.0	1,600.0	1,597.7	1,597.7	5.0	4.9	-99.18	-83.9	127.2	152.7	142.7	10.04	15.202	
1,700.0	1,699.8	1,692.9	1,692.7	5.2	5.0	-101.84	-83.8	132.0	157.9	147.5	10.40	15.188	
1,800.0	1,799.5	1,786.9	1,786.5	5.5	5.2	-105.81	-83.7	139.9	167.4	156.6	10.78	15.536	
1,900.0	1,898.7	1,879.4	1,878.3	5.8	5.5	-110.54	-83.5	150.6	181.9	170.7	11.19	16.254	
2,000.0	1,997.5	1,969.8	1,967.7	6.1	5.8	-115.44	-83.2	164.0	202.2	190.5	11.66	17.336	
2,100.0	2,095.9	2,058.1	2,054.6	6.3	6.1	-120.22	-83.0	179.7	227.8	215.7	12.16	18.737	
2,200.0	2,194.4	2,144.7	2,139.3	6.6	6.4	-124.10	-82.7	197.8	257.7	245.1	12.67	20.336	
2,300.0	2,292.9	2,229.5	2,221.6	6.9	6.7	-127.21	-82.3	217.9	291.5	278.3	13.20	22.081	
2,400.0	2,391.4	2,313.7	2,302.8	7.2	7.0	-129.72	-81.9	240.3	328.6	314.9	13.74	23.920	
2,500.0	2,489.9	2,405.1	2,390.7	7.5	7.4	-131.92	-81.5	265.5	367.2	352.9	14.33	25.632	
2,600.0	2,588.3	2,496.5	2,478.5	7.9	7.7	-133.70	-81.0	290.6	406.2	391.3	14.94	27.191	
2,700.0	2,686.8	2,587.9	2,566.4	8.2	8.0	-135.18	-80.6	315.8	445.5	429.9	15.57	28.606	
2,800.0	2,785.3	2,679.3	2,654.3	8.6	8.4	-136.42	-80.2	341.0	485.0	468.8	16.23	29.890	
2,900.0	2,883.8	2,770.7	2,742.1	9.0	8.7	-137.47	-79.7	366.2	524.7	507.8	16.90	31.054	
3,000.0	2,982.3	2,862.1	2,830.0	9.3	9.1	-138.37	-79.3	391.4	564.5	546.9	17.58	32.109	
3,100.0	3,080.8	2,953.5	2,917.8	9.7	9.4	-139.16	-78.8	416.6	604.4	586.1	18.28	33.069	
3,200.0	3,179.2	3,044.9	3,005.7	10.1	9.8	-139.85	-78.4	441.8	644.3	625.3	18.98	33.941	
3,300.0	3,277.7	3,136.3	3,093.6	10.5	10.2	-140.46	-78.0	467.0	684.4	664.7	19.70	34.736	
3,400.0	3,376.2	3,227.7	3,181.4	10.9	10.6	-141.00	-77.5	492.2	724.5	704.1	20.43	35.461	
3,500.0	3,474.7	3,319.1	3,269.3	11.3	11.0	-141.48	-77.1	517.4	764.6	743.5	21.17	36.125	
3,600.0	3,573.2	3,410.5	3,357.1	11.7	11.4	-141.92	-76.6	542.5	804.8	782.9	21.91	36.733	
3,700.0	3,671.6	3,501.9	3,445.0	12.1	11.8	-142.32	-76.2	567.7	845.1	822.4	22.66	37.291	
3,800.0	3,770.1	3,593.3	3,532.9	12.6	12.2	-142.68	-75.8	592.9	885.3	861.9	23.42	37.805	
3,900.0	3,868.6	3,684.7	3,620.7	13.0	12.6	-143.00	-75.3	618.1	925.6	901.4	24.18	38.279	
4,000.0	3,967.1	3,776.1	3,708.6	13.4	13.1	-143.31	-74.9	643.3	965.9	941.0	24.95	38.717	

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 #752H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3174.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3174.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #752H	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 @ 3174.0usft

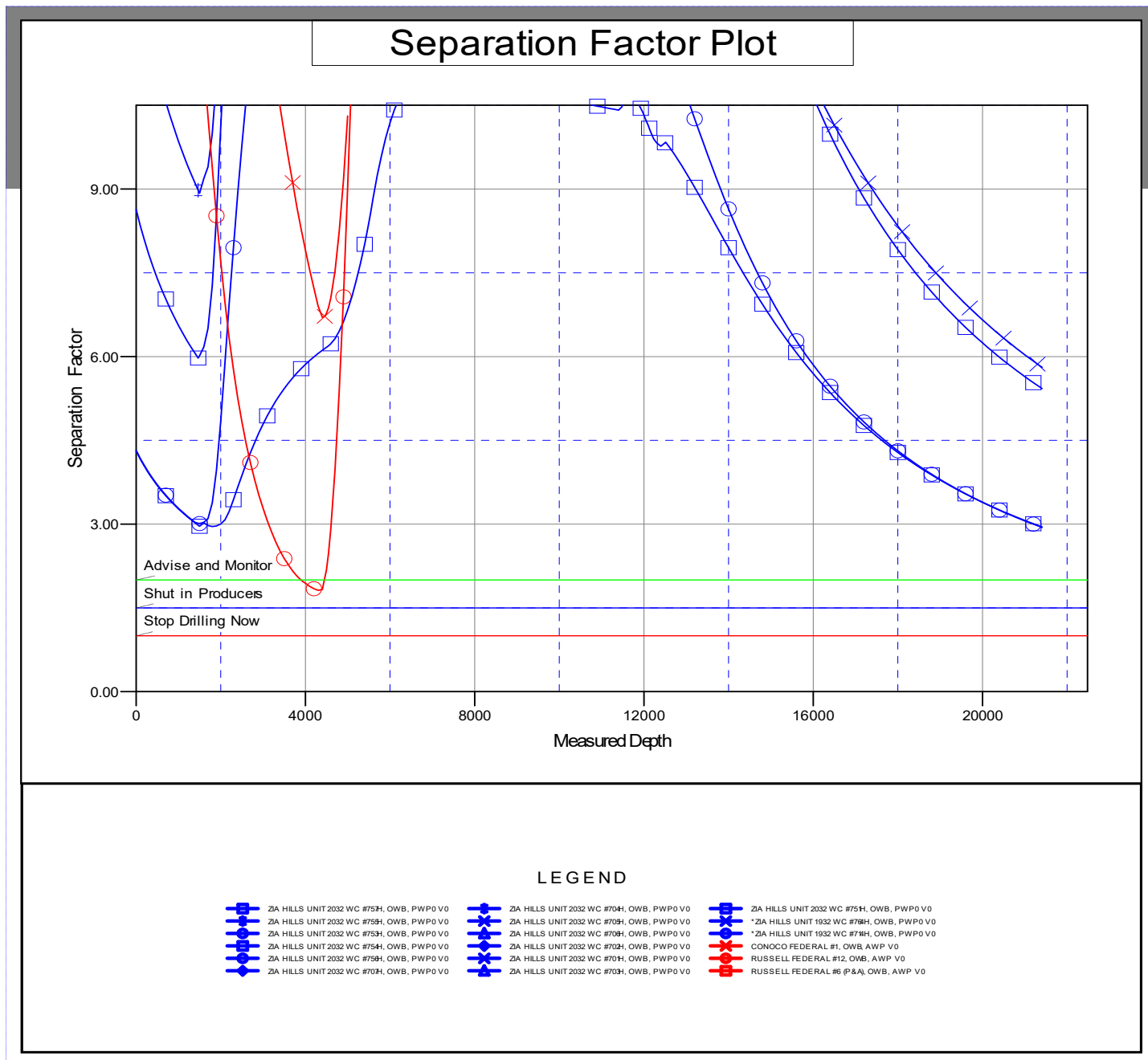
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #752H

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

Grid Convergence at Surface is: 0.33°



DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #752H

OWB

Plan: PWP0

Standard Planning Report

25 January, 2023

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	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 #752H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	3.0 usft	Wellhead Elevation:	
Grid Convergence:	0.33 °		
		Latitude:	32° 1' 40.580 N
		Longitude:	103° 42' 9.758 W
		Ground Level:	3,174.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	12/31/2023	6.33	59.53	47,264.98552222

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	181.82	

Plan Survey Tool Program	Date	1/25/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT		
			SDI Keeper Wireline Gyrocomp		
2	1,500.0	11,479.8 PWP0 (OWB)	r.5 MWD+IFR1		
			OWSG MWD + IFR1 rev.5		
3	11,479.8	21,409.6 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 #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	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	
2,000.0	10.00	222.00	1,997.5	-32.3	-29.1	2.00	2.00	0.00	222.00	
4,545.2	10.00	222.00	4,504.0	-360.8	-324.9	0.00	0.00	0.00	0.00	
5,545.2	0.00	0.00	5,498.9	-425.5	-383.1	1.00	-1.00	0.00	180.00	
11,479.8	0.00	0.00	11,433.5	-425.5	-383.1	0.00	0.00	0.00	0.00	
12,229.8	90.00	179.63	11,911.0	-902.9	-380.0	12.00	12.00	23.95	179.63	
21,359.6	90.00	179.63	11,911.0	-10,032.5	-320.5	0.00	0.00	0.00	0.00	
21,409.6	90.00	179.63	11,911.0	-10,082.6	-320.2	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	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	222.00	1,600.0	-1.3	-1.2	1.3	2.00	2.00	0.00
1,700.0	4.00	222.00	1,699.8	-5.2	-4.7	5.3	2.00	2.00	0.00
1,800.0	6.00	222.00	1,799.5	-11.7	-10.5	12.0	2.00	2.00	0.00
1,900.0	8.00	222.00	1,898.7	-20.7	-18.7	21.3	2.00	2.00	0.00
2,000.0	10.00	222.00	1,997.5	-32.3	-29.1	33.3	2.00	2.00	0.00
Start 2545.2 hold at 2000.0 MD									
2,100.0	10.00	222.00	2,095.9	-45.2	-40.7	46.5	0.00	0.00	0.00
2,200.0	10.00	222.00	2,194.4	-58.2	-52.4	59.8	0.00	0.00	0.00
2,300.0	10.00	222.00	2,292.9	-71.1	-64.0	73.1	0.00	0.00	0.00
2,400.0	10.00	222.00	2,391.4	-84.0	-75.6	86.3	0.00	0.00	0.00
2,500.0	10.00	222.00	2,489.9	-96.9	-87.2	99.6	0.00	0.00	0.00
2,600.0	10.00	222.00	2,588.3	-109.8	-98.8	112.9	0.00	0.00	0.00
2,700.0	10.00	222.00	2,686.8	-122.7	-110.5	126.1	0.00	0.00	0.00
2,800.0	10.00	222.00	2,785.3	-135.6	-122.1	139.4	0.00	0.00	0.00
2,900.0	10.00	222.00	2,883.8	-148.5	-133.7	152.7	0.00	0.00	0.00
3,000.0	10.00	222.00	2,982.3	-161.4	-145.3	165.9	0.00	0.00	0.00
3,100.0	10.00	222.00	3,080.8	-174.3	-156.9	179.2	0.00	0.00	0.00
3,200.0	10.00	222.00	3,179.2	-187.2	-168.6	192.5	0.00	0.00	0.00
3,300.0	10.00	222.00	3,277.7	-200.1	-180.2	205.7	0.00	0.00	0.00
3,400.0	10.00	222.00	3,376.2	-213.0	-191.8	219.0	0.00	0.00	0.00
3,500.0	10.00	222.00	3,474.7	-225.9	-203.4	232.3	0.00	0.00	0.00
3,600.0	10.00	222.00	3,573.2	-238.8	-215.0	245.5	0.00	0.00	0.00
3,700.0	10.00	222.00	3,671.6	-251.7	-226.7	258.8	0.00	0.00	0.00
3,800.0	10.00	222.00	3,770.1	-264.6	-238.3	272.1	0.00	0.00	0.00
3,900.0	10.00	222.00	3,868.6	-277.5	-249.9	285.3	0.00	0.00	0.00
4,000.0	10.00	222.00	3,967.1	-290.4	-261.5	298.6	0.00	0.00	0.00
4,100.0	10.00	222.00	4,065.6	-303.3	-273.1	311.9	0.00	0.00	0.00
4,200.0	10.00	222.00	4,164.0	-316.2	-284.7	325.1	0.00	0.00	0.00
4,300.0	10.00	222.00	4,262.5	-329.1	-296.4	338.4	0.00	0.00	0.00
4,400.0	10.00	222.00	4,361.0	-342.1	-308.0	351.7	0.00	0.00	0.00
4,500.0	10.00	222.00	4,459.5	-355.0	-319.6	364.9	0.00	0.00	0.00
4,545.2	10.00	222.00	4,504.0	-360.8	-324.9	370.9	0.00	0.00	0.00
Start Drop -1.00									
4,600.0	9.45	222.00	4,558.0	-367.7	-331.1	378.0	1.00	-1.00	0.00
4,700.0	8.45	222.00	4,656.8	-379.2	-341.5	389.9	1.00	-1.00	0.00
4,800.0	7.45	222.00	4,755.8	-389.5	-350.7	400.5	1.00	-1.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	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)
4,900.0	6.45	222.00	4,855.1	-398.5	-358.8	409.7	1.00	-1.00	0.00
5,000.0	5.45	222.00	4,954.6	-406.2	-365.8	417.6	1.00	-1.00	0.00
5,100.0	4.45	222.00	5,054.2	-412.6	-371.5	424.2	1.00	-1.00	0.00
5,200.0	3.45	222.00	5,153.9	-417.8	-376.1	429.5	1.00	-1.00	0.00
5,300.0	2.45	222.00	5,253.8	-421.6	-379.6	433.4	1.00	-1.00	0.00
5,400.0	1.45	222.00	5,353.7	-424.1	-381.9	436.0	1.00	-1.00	0.00
5,500.0	0.45	222.00	5,453.7	-425.3	-383.0	437.3	1.00	-1.00	0.00
5,545.2	0.00	0.00	5,498.9	-425.5	-383.1	437.4	1.00	-1.00	0.00
Start 5934.6 hold at 5545.2 MD									
5,600.0	0.00	0.00	5,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,953.7	-425.5	-383.1	437.4	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 #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	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)
10,100.0	0.00	0.00	10,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,200.0	0.00	0.00	10,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,300.0	0.00	0.00	10,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,400.0	0.00	0.00	10,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,500.0	0.00	0.00	10,453.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,600.0	0.00	0.00	10,553.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,700.0	0.00	0.00	10,653.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,800.0	0.00	0.00	10,753.7	-425.5	-383.1	437.4	0.00	0.00	0.00
10,900.0	0.00	0.00	10,853.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,000.0	0.00	0.00	10,953.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,100.0	0.00	0.00	11,053.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,200.0	0.00	0.00	11,153.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,300.0	0.00	0.00	11,253.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,400.0	0.00	0.00	11,353.7	-425.5	-383.1	437.4	0.00	0.00	0.00
11,479.8	0.00	0.00	11,433.5	-425.5	-383.1	437.4	0.00	0.00	0.00
Start DLS 12.00 TFO 179.63									
11,500.0	2.42	179.63	11,453.7	-425.9	-383.1	437.9	12.00	12.00	0.00
11,525.0	5.42	179.63	11,478.7	-427.6	-383.1	439.6	12.00	12.00	0.00
11,550.0	8.42	179.63	11,503.5	-430.6	-383.1	442.6	12.00	12.00	0.00
11,575.0	11.42	179.63	11,528.1	-434.9	-383.0	446.9	12.00	12.00	0.00
11,600.0	14.42	179.63	11,552.5	-440.5	-383.0	452.5	12.00	12.00	0.00
11,625.0	17.42	179.63	11,576.5	-447.4	-383.0	459.3	12.00	12.00	0.00
11,650.0	20.42	179.63	11,600.1	-455.5	-382.9	467.4	12.00	12.00	0.00
11,675.0	23.42	179.63	11,623.3	-464.8	-382.8	476.8	12.00	12.00	0.00
11,700.0	26.42	179.63	11,646.0	-475.4	-382.8	487.3	12.00	12.00	0.00
11,725.0	29.42	179.63	11,668.1	-487.1	-382.7	499.0	12.00	12.00	0.00
11,750.0	32.42	179.63	11,689.5	-499.9	-382.6	511.8	12.00	12.00	0.00
11,775.0	35.42	179.63	11,710.3	-513.9	-382.5	525.8	12.00	12.00	0.00
11,800.0	38.42	179.63	11,730.3	-528.9	-382.4	540.8	12.00	12.00	0.00
11,825.0	41.42	179.63	11,749.4	-544.9	-382.3	556.8	12.00	12.00	0.00
11,850.0	44.42	179.63	11,767.7	-561.9	-382.2	573.8	12.00	12.00	0.00
11,875.0	47.42	179.63	11,785.1	-579.9	-382.1	591.7	12.00	12.00	0.00
11,900.0	50.42	179.63	11,801.6	-598.7	-382.0	610.6	12.00	12.00	0.00
11,925.0	53.42	179.63	11,817.0	-618.4	-381.8	630.2	12.00	12.00	0.00
11,950.0	56.42	179.63	11,831.3	-638.9	-381.7	650.7	12.00	12.00	0.00
11,975.0	59.42	179.63	11,844.6	-660.1	-381.6	671.8	12.00	12.00	0.00
12,000.0	62.42	179.63	11,856.8	-681.9	-381.4	693.7	12.00	12.00	0.00
12,025.0	65.42	179.63	11,867.7	-704.4	-381.3	716.1	12.00	12.00	0.00
12,050.0	68.42	179.63	11,877.5	-727.4	-381.1	739.1	12.00	12.00	0.00
12,075.0	71.42	179.63	11,886.1	-750.8	-381.0	762.6	12.00	12.00	0.00
12,100.0	74.42	179.63	11,893.5	-774.7	-380.8	786.4	12.00	12.00	0.00
12,125.0	77.42	179.63	11,899.5	-799.0	-380.7	810.7	12.00	12.00	0.00
12,150.0	80.42	179.63	11,904.3	-823.5	-380.5	835.2	12.00	12.00	0.00
12,175.0	83.42	179.63	11,907.9	-848.2	-380.3	859.9	12.00	12.00	0.00
12,200.0	86.42	179.63	11,910.1	-873.1	-380.2	884.8	12.00	12.00	0.00
12,225.0	89.42	179.63	11,911.0	-898.1	-380.0	909.7	12.00	12.00	0.00
12,229.8	90.00	179.63	11,911.0	-902.9	-380.0	914.6	12.00	12.00	0.00
Start 9129.8 hold at 12229.8 MD									
12,300.0	90.00	179.63	11,911.0	-973.1	-379.5	984.7	0.00	0.00	0.00
12,400.0	90.00	179.63	11,911.0	-1,073.1	-378.9	1,084.6	0.00	0.00	0.00
12,500.0	90.00	179.63	11,911.0	-1,173.1	-378.2	1,184.5	0.00	0.00	0.00
12,600.0	90.00	179.63	11,911.0	-1,273.1	-377.6	1,284.5	0.00	0.00	0.00
12,700.0	90.00	179.63	11,911.0	-1,373.1	-376.9	1,384.4	0.00	0.00	0.00
12,800.0	90.00	179.63	11,911.0	-1,473.1	-376.3	1,484.3	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 #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	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	179.63	11,911.0	-1,573.1	-375.6	1,584.3	0.00	0.00	0.00
13,000.0	90.00	179.63	11,911.0	-1,673.1	-375.0	1,684.2	0.00	0.00	0.00
13,100.0	90.00	179.63	11,911.0	-1,773.1	-374.3	1,784.1	0.00	0.00	0.00
13,200.0	90.00	179.63	11,911.0	-1,873.1	-373.7	1,884.0	0.00	0.00	0.00
13,300.0	90.00	179.63	11,911.0	-1,973.1	-373.0	1,984.0	0.00	0.00	0.00
13,400.0	90.00	179.63	11,911.0	-2,073.1	-372.4	2,083.9	0.00	0.00	0.00
13,500.0	90.00	179.63	11,911.0	-2,173.1	-371.7	2,183.8	0.00	0.00	0.00
13,600.0	90.00	179.63	11,911.0	-2,273.1	-371.1	2,283.7	0.00	0.00	0.00
13,700.0	90.00	179.63	11,911.0	-2,373.1	-370.4	2,383.7	0.00	0.00	0.00
13,800.0	90.00	179.63	11,911.0	-2,473.1	-369.8	2,483.6	0.00	0.00	0.00
13,900.0	90.00	179.63	11,911.0	-2,573.1	-369.1	2,583.5	0.00	0.00	0.00
14,000.0	90.00	179.63	11,911.0	-2,673.1	-368.5	2,683.4	0.00	0.00	0.00
14,100.0	90.00	179.63	11,911.0	-2,773.1	-367.8	2,783.4	0.00	0.00	0.00
14,200.0	90.00	179.63	11,911.0	-2,873.1	-367.2	2,883.3	0.00	0.00	0.00
14,300.0	90.00	179.63	11,911.0	-2,973.1	-366.5	2,983.2	0.00	0.00	0.00
14,400.0	90.00	179.63	11,911.0	-3,073.1	-365.9	3,083.2	0.00	0.00	0.00
14,500.0	90.00	179.63	11,911.0	-3,173.1	-365.2	3,183.1	0.00	0.00	0.00
14,600.0	90.00	179.63	11,911.0	-3,273.1	-364.5	3,283.0	0.00	0.00	0.00
14,700.0	90.00	179.63	11,911.0	-3,373.1	-363.9	3,382.9	0.00	0.00	0.00
14,800.0	90.00	179.63	11,911.0	-3,473.1	-363.2	3,482.9	0.00	0.00	0.00
14,900.0	90.00	179.63	11,911.0	-3,573.1	-362.6	3,582.8	0.00	0.00	0.00
15,000.0	90.00	179.63	11,911.0	-3,673.1	-361.9	3,682.7	0.00	0.00	0.00
15,100.0	90.00	179.63	11,911.0	-3,773.1	-361.3	3,782.6	0.00	0.00	0.00
15,200.0	90.00	179.63	11,911.0	-3,873.1	-360.6	3,882.6	0.00	0.00	0.00
15,300.0	90.00	179.63	11,911.0	-3,973.1	-360.0	3,982.5	0.00	0.00	0.00
15,400.0	90.00	179.63	11,911.0	-4,073.1	-359.3	4,082.4	0.00	0.00	0.00
15,500.0	90.00	179.63	11,911.0	-4,173.1	-358.7	4,182.3	0.00	0.00	0.00
15,600.0	90.00	179.63	11,911.0	-4,273.1	-358.0	4,282.3	0.00	0.00	0.00
15,700.0	90.00	179.63	11,911.0	-4,373.1	-357.4	4,382.2	0.00	0.00	0.00
15,800.0	90.00	179.63	11,911.0	-4,473.1	-356.7	4,482.1	0.00	0.00	0.00
15,900.0	90.00	179.63	11,911.0	-4,573.0	-356.1	4,582.1	0.00	0.00	0.00
16,000.0	90.00	179.63	11,911.0	-4,673.0	-355.4	4,682.0	0.00	0.00	0.00
16,100.0	90.00	179.63	11,911.0	-4,773.0	-354.8	4,781.9	0.00	0.00	0.00
16,200.0	90.00	179.63	11,911.0	-4,873.0	-354.1	4,881.8	0.00	0.00	0.00
16,300.0	90.00	179.63	11,911.0	-4,973.0	-353.5	4,981.8	0.00	0.00	0.00
16,400.0	90.00	179.63	11,911.0	-5,073.0	-352.8	5,081.7	0.00	0.00	0.00
16,500.0	90.00	179.63	11,911.0	-5,173.0	-352.2	5,181.6	0.00	0.00	0.00
16,600.0	90.00	179.63	11,911.0	-5,273.0	-351.5	5,281.5	0.00	0.00	0.00
16,700.0	90.00	179.63	11,911.0	-5,373.0	-350.9	5,381.5	0.00	0.00	0.00
16,800.0	90.00	179.63	11,911.0	-5,473.0	-350.2	5,481.4	0.00	0.00	0.00
16,900.0	90.00	179.63	11,911.0	-5,573.0	-349.6	5,581.3	0.00	0.00	0.00
17,000.0	90.00	179.63	11,911.0	-5,673.0	-348.9	5,681.2	0.00	0.00	0.00
17,100.0	90.00	179.63	11,911.0	-5,773.0	-348.3	5,781.2	0.00	0.00	0.00
17,200.0	90.00	179.63	11,911.0	-5,873.0	-347.6	5,881.1	0.00	0.00	0.00
17,300.0	90.00	179.63	11,911.0	-5,973.0	-347.0	5,981.0	0.00	0.00	0.00
17,400.0	90.00	179.63	11,911.0	-6,073.0	-346.3	6,081.0	0.00	0.00	0.00
17,500.0	90.00	179.63	11,911.0	-6,173.0	-345.7	6,180.9	0.00	0.00	0.00
17,600.0	90.00	179.63	11,911.0	-6,273.0	-345.0	6,280.8	0.00	0.00	0.00
17,700.0	90.00	179.63	11,911.0	-6,373.0	-344.4	6,380.7	0.00	0.00	0.00
17,800.0	90.00	179.63	11,911.0	-6,473.0	-343.7	6,480.7	0.00	0.00	0.00
17,900.0	90.00	179.63	11,911.0	-6,573.0	-343.0	6,580.6	0.00	0.00	0.00
18,000.0	90.00	179.63	11,911.0	-6,673.0	-342.4	6,680.5	0.00	0.00	0.00
18,100.0	90.00	179.63	11,911.0	-6,773.0	-341.7	6,780.4	0.00	0.00	0.00
18,200.0	90.00	179.63	11,911.0	-6,873.0	-341.1	6,880.4	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 #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	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	179.63	11,911.0	-6,973.0	-340.4	6,980.3	0.00	0.00	0.00	
18,400.0	90.00	179.63	11,911.0	-7,073.0	-339.8	7,080.2	0.00	0.00	0.00	
18,500.0	90.00	179.63	11,911.0	-7,173.0	-339.1	7,180.1	0.00	0.00	0.00	
18,600.0	90.00	179.63	11,911.0	-7,273.0	-338.5	7,280.1	0.00	0.00	0.00	
18,700.0	90.00	179.63	11,911.0	-7,373.0	-337.8	7,380.0	0.00	0.00	0.00	
18,800.0	90.00	179.63	11,911.0	-7,473.0	-337.2	7,479.9	0.00	0.00	0.00	
18,900.0	90.00	179.63	11,911.0	-7,573.0	-336.5	7,579.9	0.00	0.00	0.00	
19,000.0	90.00	179.63	11,911.0	-7,673.0	-335.9	7,679.8	0.00	0.00	0.00	
19,100.0	90.00	179.63	11,911.0	-7,773.0	-335.2	7,779.7	0.00	0.00	0.00	
19,200.0	90.00	179.63	11,911.0	-7,873.0	-334.6	7,879.6	0.00	0.00	0.00	
19,300.0	90.00	179.63	11,911.0	-7,973.0	-333.9	7,979.6	0.00	0.00	0.00	
19,400.0	90.00	179.63	11,911.0	-8,073.0	-333.3	8,079.5	0.00	0.00	0.00	
19,500.0	90.00	179.63	11,911.0	-8,173.0	-332.6	8,179.4	0.00	0.00	0.00	
19,600.0	90.00	179.63	11,911.0	-8,273.0	-332.0	8,279.3	0.00	0.00	0.00	
19,700.0	90.00	179.63	11,911.0	-8,373.0	-331.3	8,379.3	0.00	0.00	0.00	
19,800.0	90.00	179.63	11,911.0	-8,473.0	-330.7	8,479.2	0.00	0.00	0.00	
19,900.0	90.00	179.63	11,911.0	-8,573.0	-330.0	8,579.1	0.00	0.00	0.00	
20,000.0	90.00	179.63	11,911.0	-8,673.0	-329.4	8,679.0	0.00	0.00	0.00	
20,100.0	90.00	179.63	11,911.0	-8,773.0	-328.7	8,779.0	0.00	0.00	0.00	
20,200.0	90.00	179.63	11,911.0	-8,873.0	-328.1	8,878.9	0.00	0.00	0.00	
20,300.0	90.00	179.63	11,911.0	-8,973.0	-327.4	8,978.8	0.00	0.00	0.00	
20,400.0	90.00	179.63	11,911.0	-9,073.0	-326.8	9,078.8	0.00	0.00	0.00	
20,500.0	90.00	179.63	11,911.0	-9,173.0	-326.1	9,178.7	0.00	0.00	0.00	
20,600.0	90.00	179.63	11,911.0	-9,272.9	-325.5	9,278.6	0.00	0.00	0.00	
20,700.0	90.00	179.63	11,911.0	-9,372.9	-324.8	9,378.5	0.00	0.00	0.00	
20,800.0	90.00	179.63	11,911.0	-9,472.9	-324.2	9,478.5	0.00	0.00	0.00	
20,900.0	90.00	179.63	11,911.0	-9,572.9	-323.5	9,578.4	0.00	0.00	0.00	
21,000.0	90.00	179.63	11,911.0	-9,672.9	-322.9	9,678.3	0.00	0.00	0.00	
21,100.0	90.00	179.63	11,911.0	-9,772.9	-322.2	9,778.2	0.00	0.00	0.00	
21,200.0	90.00	179.63	11,911.0	-9,872.9	-321.5	9,878.2	0.00	0.00	0.00	
21,300.0	90.00	179.63	11,911.0	-9,972.9	-320.9	9,978.1	0.00	0.00	0.00	
21,359.6	90.00	179.63	11,911.0	-10,032.5	-320.5	10,037.7	0.00	0.00	0.00	
Start 50.0 hold at 21359.6 MD										
21,409.6	90.00	179.63	11,911.0	-10,082.6	-320.2	10,087.6	0.00	0.00	0.00	
TD at 21409.6										

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										
LTP (ZHU 2032 WC #75 - plan hits target center - Point	0.00	0.00	11,911.0	-10,032.5	-320.5	364,428.16	695,111.61	32° 0' 1.315 N		103° 42' 14.160 W
FTP (ZHU 2032 WC #75 - plan misses target center by 530.6usft at 11718.6usft MD (11662.5 TVD, -484.0 N, -382.7 E) - Circle (radius 50.0)	0.00	0.00	11,911.0	-15.2	-385.9	374,445.55	695,046.19	32° 1' 40.452 N		103° 42' 14.242 W
PBHL (ZHU 2032 WC #75 - plan misses target center by 0.3usft at 21409.6usft MD (11911.0 TVD, -10082.5 N, -320.2 E) - Rectangle (sides W100.0 H10,067.9 D20.0)	0.00	359.63	11,911.0	-10,082.5	-320.5	364,378.16	695,111.61	32° 0' 0.820 N		103° 42' 14.163 W

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #752H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3174.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3174.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #752H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,500.0	1,500.0	DB SURF 10-3/4"	10-3/4	14-3/4	
11,479.8	11,433.5	DB INT 7-5/8"	7-5/8	9-7/8	
21,409.6	11,911.0	DB PROD 5 1/2"	5-1/2	6-3/4	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
2,000.0	1,997.5	-32.3	-29.1	Start 2545.2 hold at 2000.0 MD	
4,545.2	4,504.0	-360.8	-324.9	Start Drop -1.00	
5,545.2	5,498.9	-425.5	-383.1	Start 5934.6 hold at 5545.2 MD	
11,479.8	11,433.5	-425.5	-383.1	Start DLS 12.00 TFO 179.63	
12,229.8	11,911.0	-902.9	-380.0	Start 9129.8 hold at 12229.8 MD	
21,359.6	11,911.0	-10,032.5	-320.5	Start 50.0 hold at 21359.6 MD	
21,409.6	11,911.0	-10,082.6	-320.2	TD at 21409.6	

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

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

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **10-3/4** inch surface casing shall be set at approximately **1350** feet (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)

- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

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

C. PRESSURE CONTROL

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

D. SPECIAL REQUIREMENT (S)**Unit Wells**

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

Commercial Well Determination

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

GENERAL REQUIREMENTS

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

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

☒ Eddy County

Email **or** call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.

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

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

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

B. PRESSURE CONTROL

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

ZS 1/25/2024

COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

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

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

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

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

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

2. H₂S SAFETY EQUIPMENT AND SYSTEMS

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

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

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

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

W A R N I N G

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

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

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

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

EMERGENCY RESPONSE NUMBERS

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

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

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

CONDITIONS

Action 315638

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 315638
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	2/20/2024
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	2/20/2024
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	2/20/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	2/20/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	2/20/2024