

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.
		8. Lease Name and Well No. [334841]
2. Name of Operator [217817]		9. API Well No. 30-025-52480
3a. Address	3b. Phone No. (include area code)	10. Field and Pool, or Exploratory [98081]
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.

NGMP Rec 01/23/2024

SL

(Continued on page 2)

KZ
01/29/2024

*(Instructions on page 2)

Additional Operator Remarks

Location of Well

0. SHL: NWSE / 2335 FSL / 2060 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0273078 / LONG: -103.7124108 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 2620 FSL / 1282 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0280668 / LONG: -103.7098998 (TVD: 11708 feet, MD: 11831 feet)

PPP: NENE / 1 FNL / 1282 FEL / TWSP: 26S / RANGE: 32E / SECTION: 30 / LAT: 32.0208643 / LONG: -103.709904 (TVD: 11880 feet, MD: 14452 feet)

BHL: LOT 5 / 50 FSL / 1282 FEL / TWSP: 26S / RANGE: 32E / SECTION: 31 / LAT: 32.0003507 / LONG: -103.7098748 (TVD: 11880 feet, MD: 21782 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
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazon Road, Artec, NM 87410
District IV
1220 S. St Francis Dr., 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- 30-025-52480	² Pool Code 98081	³ Pool Name Zia Hills; Wolfcamp
⁴ Property Code 334841	⁵ Property Name ZIA HILLS UNIT 1932 WC	⁶ Well Number 762H
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 3,169'

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
J	19	26-S	32-E		2,335'	SOUTH	2,060'	EAST	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
5	31	26-S	32-E		50'	SOUTH	1,282'	EAST	LEA

¹² Dedicated Acres 608.99	¹³ Joint or Infill	¹⁴ Consolidation Code Unit	¹⁵ Order No. R-20080
---	-------------------------------	--	------------------------------------

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.

¹⁶ CORNER COORDINATES NEW MEXICO EAST - NAD 83 <table border="1"><tr><td>A-FOUND 2" IRON PIPE</td><td>N:377,203.52' E:730,441.03'</td></tr><tr><td>B-FOUND 1" IRON PIPE</td><td>N:377,211.54' E:733,134.18'</td></tr><tr><td>C-FOUND IRON PIPE W/ BRASS CAP</td><td>N:377,224.61' E:735,795.66'</td></tr><tr><td>D-FOUND IRON PIPE W/ BRASS CAP</td><td>N:374,544.72' E:735,819.04'</td></tr><tr><td>E-FOUND IRON PIPE W/ BRASS CAP</td><td>N:371,879.35' E:735,833.03'</td></tr><tr><td>F-FOUND IRON PIPE W/ BRASS CAP</td><td>N:371,894.62' E:733,169.03'</td></tr><tr><td>G-FOUND 2" IRON PIPE W/ CAP</td><td>N:371,309.34' E:730,486.74'</td></tr><tr><td>H-FOUND 1" IRON PIPE</td><td>N:374,533.91' E:730,464.25'</td></tr><tr><td>I-FOUND IRON PIPE W/ BRASS CAP</td><td>N:379,892.50' E:735,778.31'</td></tr><tr><td>J-FOUND IRON PIPE W/ BRASS CAP</td><td>N:377,224.61' E:735,795.66'</td></tr><tr><td>K-FOUND IRON PIPE W/ BRASS CAP</td><td>N:377,211.54' E:733,134.18'</td></tr><tr><td>L-FOUND IRON PIPE W/ BRASS CAP</td><td>N:377,203.52' E:730,441.03'</td></tr><tr><td>M-FOUND IRON PIPE W/ BRASS CAP</td><td>N:379,872.18' E:730,424.72'</td></tr><tr><td>N-FOUND IRON PIPE W/ BRASS CAP</td><td>N:374,544.72' E:735,819.04'</td></tr><tr><td>O-FOUND IRON PIPE W/ BRASS CAP</td><td>N:371,879.35' E:735,833.03'</td></tr><tr><td>P-FOUND IRON PIPE W/ BRASS CAP</td><td>N:371,894.62' E:733,169.03'</td></tr></table>	A-FOUND 2" IRON PIPE	N:377,203.52' E:730,441.03'	B-FOUND 1" IRON PIPE	N:377,211.54' E:733,134.18'	C-FOUND IRON PIPE W/ BRASS CAP	N:377,224.61' E:735,795.66'	D-FOUND IRON PIPE W/ BRASS CAP	N:374,544.72' E:735,819.04'	E-FOUND IRON PIPE W/ BRASS CAP	N:371,879.35' E:735,833.03'	F-FOUND IRON PIPE W/ BRASS CAP	N:371,894.62' E:733,169.03'	G-FOUND 2" IRON PIPE W/ CAP	N:371,309.34' E:730,486.74'	H-FOUND 1" IRON PIPE	N:374,533.91' E:730,464.25'	I-FOUND IRON PIPE W/ BRASS CAP	N:379,892.50' E:735,778.31'	J-FOUND IRON PIPE W/ BRASS CAP	N:377,224.61' E:735,795.66'	K-FOUND IRON PIPE W/ BRASS CAP	N:377,211.54' E:733,134.18'	L-FOUND IRON PIPE W/ BRASS CAP	N:377,203.52' E:730,441.03'	M-FOUND IRON PIPE W/ BRASS CAP	N:379,872.18' E:730,424.72'	N-FOUND IRON PIPE W/ BRASS CAP	N:374,544.72' E:735,819.04'	O-FOUND IRON PIPE W/ BRASS CAP	N:371,879.35' E:735,833.03'	P-FOUND IRON PIPE W/ BRASS CAP	N:371,894.62' E:733,169.03'	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. <i>Stan Wagner</i> 6/5/23 Signature Date Stan Wagner Printed Name _____ Email Address Date 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. Date: 6/5/23 MARK J. MURRAY P.L.S. NO. 12177
A-FOUND 2" IRON PIPE	N:377,203.52' E:730,441.03'																																
B-FOUND 1" IRON PIPE	N:377,211.54' E:733,134.18'																																
C-FOUND IRON PIPE W/ BRASS CAP	N:377,224.61' E:735,795.66'																																
D-FOUND IRON PIPE W/ BRASS CAP	N:374,544.72' E:735,819.04'																																
E-FOUND IRON PIPE W/ BRASS CAP	N:371,879.35' E:735,833.03'																																
F-FOUND IRON PIPE W/ BRASS CAP	N:371,894.62' E:733,169.03'																																
G-FOUND 2" IRON PIPE W/ CAP	N:371,309.34' E:730,486.74'																																
H-FOUND 1" IRON PIPE	N:374,533.91' E:730,464.25'																																
I-FOUND IRON PIPE W/ BRASS CAP	N:379,892.50' E:735,778.31'																																
J-FOUND IRON PIPE W/ BRASS CAP	N:377,224.61' E:735,795.66'																																
K-FOUND IRON PIPE W/ BRASS CAP	N:377,211.54' E:733,134.18'																																
L-FOUND IRON PIPE W/ BRASS CAP	N:377,203.52' E:730,441.03'																																
M-FOUND IRON PIPE W/ BRASS CAP	N:379,872.18' E:730,424.72'																																
N-FOUND IRON PIPE W/ BRASS CAP	N:374,544.72' E:735,819.04'																																
O-FOUND IRON PIPE W/ BRASS CAP	N:371,879.35' E:735,833.03'																																
P-FOUND IRON PIPE W/ BRASS CAP	N:371,894.62' E:733,169.03'																																

State of New Mexico
Energy, Minerals and Natural Resources DepartmentSubmit Electronically
Via E-permittingOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505**NATURAL GAS MANAGEMENT PLAN**

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

Section 1 – Plan Description
Effective May 25, 2021**I. Operator:** ConocoPhillips Company**OGRID:** 217817**Date:** 06/05/2023**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 1932 WC 759H	30-025-	J-19-26S-32E	2335 FSL & 2150 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 760H	30-025-	J-19-26S-32E	2335 FSL & 2120 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 761H	30-025-	J-19-26S-32E	2335 FSL & 2090 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 762H	30-025-	J-19-26S-32E	2335 FSL & 2060 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 763H	30-025-	J-19-26S-32E	2335 FSL & 2030 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 764H	30-025-	J-19-26S-32E	2335 FSL & 2000 FEL	± 818	± 3209	± 1907

IV. Central Delivery Point Name: Zia Hills Unit CF2 Facility NESW 24-26S-31E [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 1932 WC	Pending	± 8/1/2024	± 25 days from spud	TBD	TBD	TBD
759H, 760H, 761H, 762H, 763H, 764H						

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:

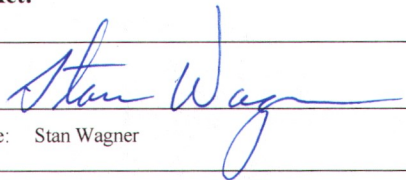
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit 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: 06/05/2023

Phone: 432-253-9685

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:

Title:

Approval Date:

Conditions of Approval:

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

All ConocoPhillips production facility equipment will be sized per industry standards (API 12J) with adequate retention time to effectively separate all phases of production. Each project will take into consideration the number of wells and type curves for each formation pool to ensure adequate facility capacity. Design considerations will also include review of all piping, tanks, VRU's and associated equipment to ensure optimized gas capture minimized risk of release.

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

- During drilling, flare stacks will be located a minimum of 100 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety, and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.

C. Completion Operations

- During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
- Individual well test separators will be set to properly separate gas and liquids. A temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline.

D. Venting and flaring during production operations

- During each phase of well life (drilling, completion and production) of a ConocoPhillips well, COP personnel will follow all necessary procedures to ensure both the operation and the equipment are within the NMAC 19.15.27.8 Subsection D guidelines.
- During well operations that require unloading of the well to atmospheric pressure, all reasonable actions will be taken to minimize vented gas
- Through the life of the well all flaring shall be measured, and venting events quantified using the data available and industry best practice.

E. Performance standards for separation, storage tank and flare equipment

- All storage tanks and separation equipment are designed minimize risk of liquid or vapor release and optimize gas capture. This includes automation for automatic gauging and pressure monitoring.

- All flare stacks are equipped with auto ignition devices and/or continuous pilots and are designed to operate at maximum combustion efficiency pursuant NMAC 19.15.27.8 Subsection E. Flares will follow COP spacing guidelines to ensure they are a safe distance from combustibles and operations equipment.
- COP personnel will conduct routine AVO inspections on a regular basis per NMAC 19.15.27.8 Subsection E guidelines.

F. Measurement of vented and flared natural gas.

- Measurement equipment will be installed to quantify gas flared during drilling, completion and production of the well.
- All measurement devices installed will meet accuracy ratings per AGA and API standards.
- Measurement devices will be installed without manifolds that allow diversion of gas around the metering element, except for the sole purpose of inspection of servicing the measurement device.

VIII. Best Management Practices

- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared.
- During completions and production operations Operator will minimize blowdowns to atmosphere
- When feasible, Operator will use electric or air actuated equipment to reduce bleed emissions

ConocoPhillips Company - Zia Hills Unit 1932 WC 762H

1. Geologic Formations

TVD of target	11,880' EOL	Pilot hole depth	NA
MD at TD:	21,782'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1223	Water	
Top of Salt	1553	Salt	
Base of Salt	4014	Salt	
Lamar	4279	Salt Water	
Bell Canyon	4314	Salt Water	
Cherry Canyon	5204	Oil/Gas	
Brushy Canyon	6627	Oil/Gas	
Bone Spring Lime	8273	Oil/Gas	
1st Bone Spring Sand	9287	Oil/Gas	
2nd Bone Spring Sand	9969	Oil/Gas	
3rd Bone Spring Sand	11145	Oil/Gas	
Wolfcamp	11511	Oil/Gas	
Wolfcamp A	11726	Target	
Wolfcamp B	12013	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	1.02	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.35	1.02	2.88	2.90
8.750"	8500	11287	7.625"	29.7	P110-ICY	W513	1.27	1.55	3.19	1.91
6.75"	0	10787	5.5"	23	P110-CY	BTC	1.92	2.24	2.94	2.94
6.75"	10787	21,782	5.5"	23	P110-CY	W441	1.74	2.03	2.67	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 1932 WC 762H

	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 1932 WC 762H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	820	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	676	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	925	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	10,787'	35% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 1932 WC 762H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
---	---

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 1932 WC 762H

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 - 9.9	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 13.5	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
---	-----------------------------

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 1932 WC 762H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8340 psi at 11880' 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

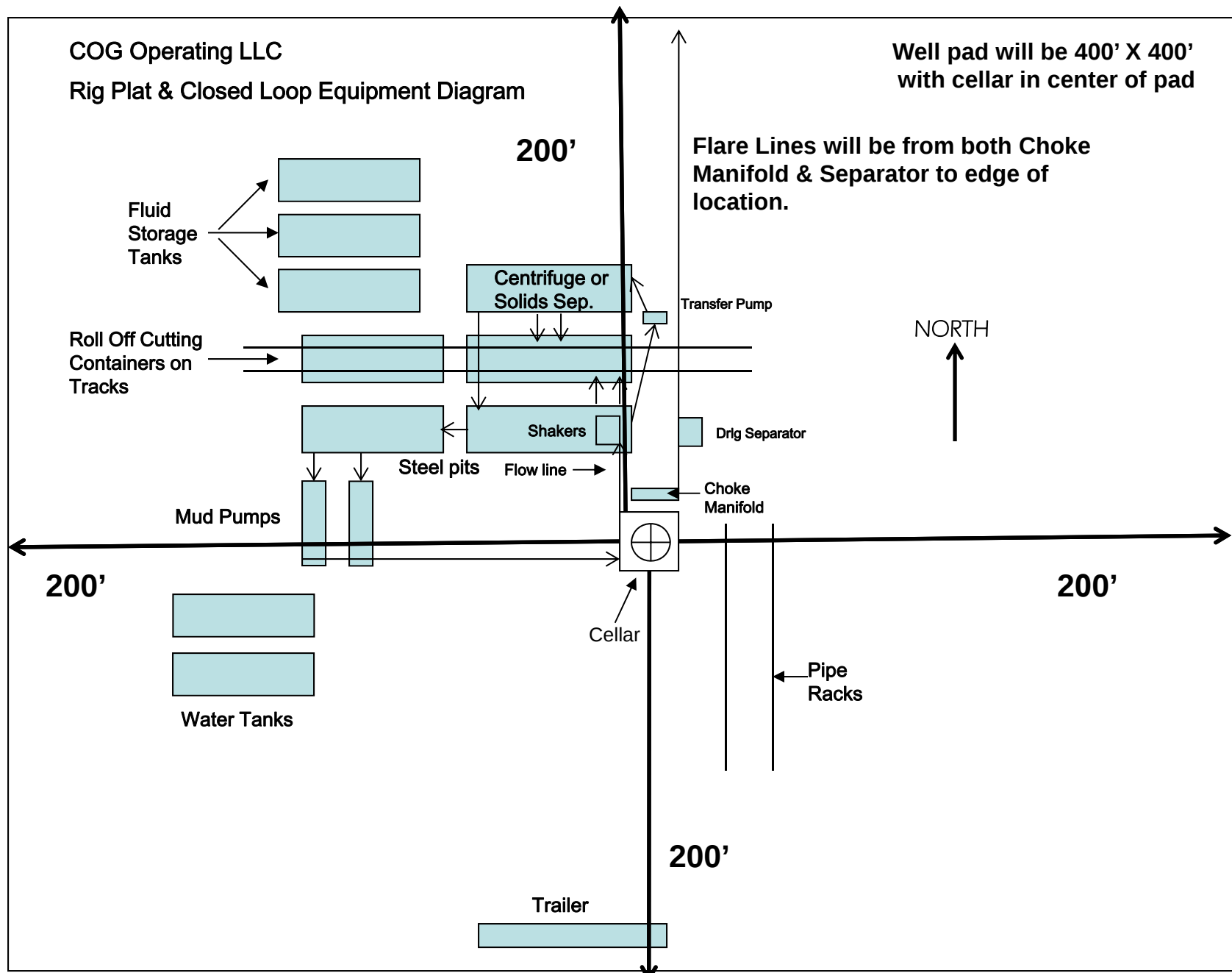


Exhibit 1

"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 1932 PROJECT

ZIA HILLS UNIT 1932 WC #762H

OWB

PWP1

Anticollision Report

09 May, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1		
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	5/9/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	1,500.0	PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initilzd Cont. rev.5	
1,500.0	11,386.5	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
11,386.5	21,782.1	PWP1 (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)	Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ODELL STATE						
THRESHER 55-1-12 UNIT A #8H - OWB - AWP	21,782.1	20,755.0	222.6	78.9	1.549	Advise and Monitor, CC, ES
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	3,681.1	3,627.8	169.7	47.5	1.388	Advise and Monitor, CC
CONOCO FEDERAL #2 - OWB - AWP	4,100.0	4,039.9	182.8	38.8	1.270	Advise and Monitor, ES, SF
RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP	3,195.7	3,162.4	485.0	358.1	3.821	CC
RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP	3,700.0	3,656.4	492.5	345.0	3.338	ES
RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP	4,400.0	4,321.0	540.0	364.7	3.081	SF
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,500.0	1,498.3	220.3	210.5	22.512	CC, ES
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,900.0	1,873.5	234.7	223.7	21.272	SF
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	2,130.7	2,119.5	208.0	196.4	17.903	CC, ES
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	2,300.0	2,288.0	211.8	199.7	17.475	SF
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	2,319.9	2,311.2	194.8	182.4	15.744	CC, ES
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	11,200.0	11,152.6	364.7	324.4	9.045	SF
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	2,310.1	2,294.4	187.9	175.3	14.933	CC
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	5,300.0	5,284.3	198.1	172.1	7.629	ES
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	11,400.0	11,400.0	234.2	192.3	5.585	SF
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	2,301.9	2,280.4	187.4	174.5	14.578	CC
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	2,500.0	2,477.9	188.2	174.5	13.679	ES
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	5,600.0	5,575.2	243.3	203.5	6.111	SF
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	1,000.0	998.0	208.2	199.5	23.981	CC, ES
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	5,600.0	5,545.4	446.2	403.3	10.408	SF
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,466.4	1,467.2	90.0	80.7	9.730	CC
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,500.0	1,500.0	90.0	80.7	9.672	ES
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,600.0	1,598.3	92.3	82.8	9.659	SF
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	1,500.0	1,500.0	60.1	50.8	6.457	CC, ES
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	21,732.1	21,690.0	848.0	692.5	5.454	SF
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	1,500.0	1,499.7	29.9	20.6	3.217	CC, ES
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	21,782.1	21,513.6	458.6	301.1	2.912	SF
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	1,466.1	1,467.7	30.0	20.7	3.241	CC
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	1,500.0	1,501.6	30.0	20.7	3.221	ES
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	21,782.1	21,668.1	458.5	296.9	2.837	SF
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	1,466.4	1,467.2	60.0	50.8	6.491	CC
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	1,500.0	1,500.0	60.0	50.7	6.452	ES
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	21,782.1	21,838.3	848.0	685.7	5.224	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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	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						

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						
ODELL STATE						
THRESHER 55-1-12 UNIT A #8H - OWB - AWP	21,782.1	20,755.0	222.6	78.9	1.549	Advise and Monitor, CC, ES,
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	21,782.1	4,368.0				Out of Range @TD
RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP	21,782.1	4,321.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	21,782.1	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	21,782.1	11,350.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	21,782.1	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	21,782.1	11,425.9				Out of Range @TD
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	21,782.1	11,300.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	21,782.1	11,550.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	21,782.1	21,581.6				Out of Range @TD
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	21,782.1	21,690.0	849.9	694.6	5.473	
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	21,782.1	21,513.6	458.6	301.1	2.912	SF
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	21,782.1	21,668.1	458.5	296.9	2.837	SF
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	21,782.1	21,838.3	848.0	685.7	5.224	SF

Offset Design: ODELL STATE - THRESHER 55-1-12 UNIT A #8H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 200-MWD - OWSG R1													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
21,000.0	11,880.0	20,755.0	11,646.5	74.6	159.3	23.48	-9,934.5	771.7	931.9	853.5	78.39	11.887		
21,100.0	11,880.0	20,755.0	11,646.5	75.3	159.3	23.48	-9,934.5	771.7	833.9	754.4	79.57	10.480		
21,200.0	11,880.0	20,755.0	11,646.5	76.1	159.3	23.48	-9,934.5	771.7	736.6	655.3	81.23	9.068		
21,300.0	11,880.0	20,755.0	11,646.5	76.8	159.3	23.48	-9,934.5	771.7	640.0	556.4	83.67	7.649		
21,400.0	11,880.0	20,755.0	11,646.5	77.5	159.3	23.48	-9,934.5	771.7	544.7	457.3	87.42	6.231		
21,500.0	11,880.0	20,755.0	11,646.5	78.2	159.3	23.48	-9,934.5	771.7	451.5	358.0	93.46	4.831		
21,600.0	11,880.0	20,755.0	11,646.5	78.9	159.3	23.48	-9,934.5	771.7	361.8	258.2	103.66	3.491		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:	ODELL STATE - THRESHER 55-1-12 UNIT A #8H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	200-MWD - OWSG R1											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,700.0	11,880.0	20,755.0	11,646.5	79.7	159.3	23.48	-9,934.5	771.7	279.3	158.0	121.32	2.302	
21,732.1	11,880.0	20,755.0	11,646.5	79.9	159.3	23.48	-9,934.5	771.7	255.5	126.3	129.21	1.978	Advise and Monitor
21,782.1	11,880.0	20,755.0	11,646.5	80.3	159.3	23.48	-9,934.5	771.7	222.6	78.9	143.68	1.549	Advise and Monitor, CC, ES, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - CONOCO FEDERAL #2 - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 490-INC-ONLY													Offset Well Error: 10.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	10.0	93.91	-27.2	398.1	399.4				
100.0	100.0	83.4	83.4	3.0	10.0	93.91	-27.2	398.1	399.0	383.9	15.14	26.364	
200.0	200.0	183.4	183.4	3.2	10.2	93.91	-27.2	398.1	399.0	383.7	15.35	25.997	
300.0	300.0	283.4	283.4	3.3	10.4	93.91	-27.2	398.1	399.0	383.4	15.68	25.451	
400.0	400.0	383.4	383.4	3.4	10.7	93.91	-27.2	398.1	399.0	382.9	16.12	24.758	
500.0	500.0	483.4	483.4	3.5	11.0	93.91	-27.2	398.1	399.0	382.4	16.66	23.957	
600.0	600.0	583.4	583.4	3.7	12.0	93.91	-27.2	398.1	399.0	381.1	17.99	22.183	
700.0	700.0	683.4	683.4	3.8	13.2	93.91	-27.2	398.1	399.0	379.4	19.69	20.268	
753.1	753.1	736.5	736.5	3.9	14.0	93.80	-26.4	398.1	399.0	378.3	20.70	19.279	
800.0	800.0	783.4	783.4	3.9	14.7	93.80	-26.4	398.1	399.0	377.4	21.64	18.440	
900.0	900.0	883.3	883.3	4.0	16.2	93.84	-26.7	398.1	399.0	375.2	23.77	16.785	
1,000.0	1,000.0	983.5	983.4	4.2	17.9	93.91	-27.2	398.1	399.0	373.0	26.05	15.318	
1,100.0	1,100.0	1,083.5	1,083.4	4.3	19.7	93.91	-27.2	398.1	399.0	370.5	28.53	13.989	
1,125.6	1,125.6	1,109.0	1,109.0	4.3	20.1	93.84	-26.7	398.1	399.0	369.8	29.17	13.677	
1,200.0	1,200.0	1,183.3	1,183.2	4.4	21.5	93.88	-27.0	398.1	399.0	367.9	31.08	12.837	
1,300.0	1,300.0	1,283.5	1,283.4	4.5	23.5	93.91	-27.2	398.1	399.0	365.2	33.87	11.783	
1,400.0	1,400.0	1,383.5	1,383.4	4.6	25.6	93.91	-27.2	398.1	399.0	362.3	36.76	10.854	
1,461.7	1,461.7	1,445.2	1,445.1	4.7	26.9	93.77	-26.2	398.1	399.0	360.4	38.58	10.342	
1,500.0	1,500.0	1,483.5	1,483.4	4.8	27.7	93.77	-26.3	398.1	399.0	359.3	39.71	10.047	
1,600.0	1,600.0	1,583.4	1,583.3	4.9	29.9	48.98	-26.6	398.1	398.1	355.5	42.69	9.325	
1,700.0	1,699.9	1,683.5	1,683.3	5.1	32.1	49.52	-27.2	398.1	395.6	349.8	45.80	8.638	
1,800.0	1,799.7	1,783.3	1,783.1	5.3	34.7	50.30	-27.2	398.1	391.4	342.0	49.36	7.929	
1,900.0	1,899.3	1,882.9	1,882.7	5.5	37.2	51.41	-27.2	398.1	385.6	332.7	52.94	7.284	
2,000.0	1,998.6	1,982.0	1,981.8	5.7	39.8	52.65	-25.7	398.1	378.2	321.6	56.53	6.690	
2,033.3	2,031.6	2,015.0	2,014.7	5.8	40.7	53.25	-25.9	398.1	375.5	317.8	57.72	6.505	
2,100.0	2,097.6	2,080.7	2,080.5	5.9	42.4	46.44	-26.3	398.1	369.3	309.2	60.10	6.144	
2,200.0	2,196.3	2,180.1	2,179.7	6.2	45.0	38.55	-27.2	398.1	357.5	293.7	63.74	5.608	
2,300.0	2,294.6	2,278.4	2,278.0	6.5	47.6	32.87	-27.2	398.1	342.4	275.0	67.39	5.081	
2,342.6	2,336.3	2,320.2	2,319.7	6.6	48.7	31.05	-27.2	398.1	335.1	266.1	68.94	4.860	
2,400.0	2,392.4	2,376.3	2,375.8	6.8	50.2	32.12	-27.2	398.1	324.8	253.8	71.03	4.574	
2,500.0	2,490.2	2,473.7	2,473.2	7.1	52.8	33.80	-25.2	398.1	306.8	232.1	74.66	4.109	
2,600.0	2,588.1	2,571.0	2,570.5	7.4	55.4	36.21	-26.0	398.1	289.8	211.5	78.30	3.702	
2,700.0	2,685.9	2,670.0	2,669.3	7.8	58.0	39.03	-27.2	398.1	273.6	191.6	82.00	3.337	
2,800.0	2,783.7	2,767.8	2,767.1	8.2	60.7	41.91	-27.2	398.1	257.7	172.0	85.69	3.007	
2,900.0	2,881.5	2,865.6	2,864.9	8.5	63.3	45.16	-27.2	398.1	242.4	153.1	89.37	2.713	
3,000.0	2,979.3	2,963.1	2,962.4	8.9	65.9	48.45	-25.6	398.1	227.2	134.2	93.05	2.442	
3,100.0	3,077.1	3,060.4	3,059.7	9.3	68.5	52.63	-26.0	398.1	214.1	117.4	96.71	2.214	
3,200.0	3,174.9	3,157.6	3,156.9	9.7	71.2	57.42	-26.9	398.1	202.6	102.2	100.37	2.018	
3,300.0	3,272.8	3,257.1	3,256.2	10.1	74.4	62.70	-27.2	398.1	192.2	87.4	104.80	1.834 Advise and Monitor	
3,400.0	3,370.6	3,354.9	3,354.0	10.6	77.7	68.38	-27.2	398.1	183.4	74.0	109.38	1.677 Advise and Monitor	
3,500.0	3,468.4	3,452.5	3,451.5	11.0	80.9	74.14	-25.1	398.1	174.9	60.9	113.96	1.535 Advise and Monitor	
3,600.0	3,566.2	3,549.3	3,548.3	11.4	84.2	80.75	-25.6	398.1	170.7	52.2	118.51	1.441 Advise and Monitor	
3,681.1	3,645.6	3,627.8	3,626.8	11.8	86.9	86.33	-26.5	398.1	169.7	47.5	122.21	1.388 Advise and Monitor, CC	
3,700.0	3,664.0	3,646.1	3,645.0	11.8	87.5	87.64	-26.8	398.1	169.7	46.7	123.07	1.379 Advise and Monitor	
3,800.0	3,761.8	3,746.7	3,745.2	12.3	91.2	94.69	-27.2	398.1	170.6	42.3	128.32	1.330 Advise and Monitor	
3,900.0	3,859.6	3,844.5	3,843.0	12.7	94.9	101.41	-27.2	398.1	173.6	40.1	133.51	1.300 Advise and Monitor	
4,000.0	3,957.5	3,942.3	3,940.9	13.1	98.6	107.82	-27.2	398.1	178.9	40.2	138.71	1.290 Advise and Monitor	
4,100.0	4,055.3	4,039.9	4,038.3	13.6	102.3	113.92	-23.5	398.1	182.8	38.8	143.92	1.270 Advise and Monitor, ES, SF	
4,200.0	4,153.1	4,136.2	4,134.6	14.0	105.9	119.38	-24.0	398.1	192.8	43.8	149.06	1.294 Advise and Monitor	
4,300.0	4,250.9	4,232.5	4,230.8	14.5	109.5	124.21	-25.4	398.1	205.4	51.2	154.19	1.332 Advise and Monitor	
4,400.0	4,348.7	4,334.3	4,332.1	14.9	113.4	128.66	-27.2	398.1	219.6	60.0	159.63	1.376 Advise and Monitor	
4,500.0	4,446.5	4,368.0	4,365.7	15.4	114.6	130.06	-27.2	398.1	242.0	86.3	155.72	1.554 Advise and Monitor	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - CONOCO FEDERAL #2 - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 490-INC-ONLY													Offset Well Error:	10.0 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		
4,600.0	4,544.4	4,368.0	4,365.7	15.8	114.6	130.06	-27.2	398.1	296.3	160.6	135.69	2.183		
4,700.0	4,642.2	4,368.0	4,365.7	16.3	114.6	130.06	-27.2	398.1	370.1	254.1	116.02	3.190		
4,800.0	4,740.0	4,368.0	4,365.7	16.7	114.6	130.06	-27.2	398.1	454.1	353.1	101.02	4.495		
4,900.0	4,837.8	4,368.0	4,365.7	17.2	114.6	130.06	-27.2	398.1	543.5	453.4	90.08	6.033		
5,000.0	4,935.6	4,368.0	4,365.7	17.6	114.6	130.06	-27.2	398.1	636.1	554.1	82.03	7.754		
5,100.0	5,033.4	4,368.0	4,365.7	18.1	114.6	130.06	-27.2	398.1	730.6	654.6	75.97	9.617		
5,200.0	5,131.2	4,368.0	4,365.7	18.6	114.6	130.06	-27.2	398.1	826.4	755.1	71.30	11.590		
5,289.7	5,219.0	4,368.0	4,365.7	19.0	114.6	130.06	-27.2	398.1	913.2	845.2	67.97	13.435		
5,300.0	5,229.1	4,368.0	4,365.7	19.0	114.6	130.38	-27.2	398.1	923.2	855.5	67.63	13.650		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 250-INC-ONLY													Offset Well Error: 10.0 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	0.0	0.0	3.0	10.0	131.78	-357.2	399.8	536.2				
100.0	100.0	93.4	93.4	3.0	10.0	131.78	-357.2	399.8	536.2	521.0	15.16	35.369	
200.0	200.0	193.4	193.4	3.2	10.2	131.78	-357.2	399.8	536.2	520.7	15.42	34.763	
300.0	300.0	293.4	293.4	3.3	10.7	131.78	-357.2	399.8	536.2	520.0	16.19	33.113	
381.9	381.9	375.3	375.3	3.4	11.9	131.74	-356.7	399.8	535.8	518.1	17.70	30.266	
400.0	400.0	393.0	392.9	3.4	12.1	131.74	-356.7	399.8	535.8	517.7	18.10	29.607	
500.0	500.0	490.6	490.5	3.5	14.0	131.77	-357.2	399.8	536.1	515.5	20.61	26.009	
600.0	600.0	593.6	593.4	3.7	16.3	131.78	-357.2	399.8	536.2	512.4	23.77	22.558	
632.4	632.4	625.9	625.7	3.7	17.0	131.65	-355.6	399.8	535.1	510.3	24.83	21.548	
700.0	700.0	688.9	688.7	3.8	18.6	131.68	-356.0	399.8	535.4	508.4	26.98	19.843	
800.0	800.0	793.7	793.4	3.9	21.3	131.78	-357.2	399.8	536.2	505.4	30.72	17.451	
881.2	881.2	874.9	874.6	4.0	23.5	131.74	-356.7	399.8	535.8	502.1	33.73	15.884	
900.0	900.0	893.3	892.9	4.0	24.0	131.74	-356.7	399.8	535.8	501.4	34.42	15.566	
1,000.0	1,000.0	990.9	990.5	4.2	26.7	131.77	-357.2	399.8	536.1	498.0	38.14	14.056	
1,100.0	1,100.0	1,093.9	1,093.4	4.3	29.5	131.78	-357.2	399.8	536.2	494.0	42.14	12.723	
1,132.3	1,132.3	1,126.2	1,125.6	4.3	30.5	131.65	-355.6	399.8	535.1	491.7	43.41	12.327	
1,200.0	1,200.0	1,189.2	1,188.6	4.4	32.3	131.68	-356.0	399.8	535.4	489.5	45.89	11.666	
1,300.0	1,300.0	1,294.1	1,293.4	4.5	35.2	131.78	-357.2	399.8	536.2	486.1	50.06	10.710	
1,380.9	1,380.9	1,375.0	1,374.3	4.6	37.6	131.74	-356.7	399.8	535.8	482.5	53.30	10.052	
1,400.0	1,400.0	1,393.6	1,392.9	4.6	38.1	131.74	-356.7	399.8	535.8	481.8	54.05	9.913	
1,500.0	1,500.0	1,491.2	1,490.5	4.8	40.9	131.78	-357.2	399.8	536.1	478.1	57.99	9.246	
1,600.0	1,600.0	1,594.2	1,593.4	4.9	43.9	86.92	-357.2	399.8	536.1	473.9	62.16	8.625	
1,646.4	1,646.4	1,639.5	1,638.6	5.0	45.3	86.95	-355.6	399.8	534.9	470.9	64.00	8.358	
1,700.0	1,699.9	1,689.4	1,688.5	5.1	46.7	87.22	-356.0	399.8	535.1	469.1	66.04	8.103	
1,800.0	1,799.7	1,794.1	1,793.1	5.3	49.8	88.04	-357.2	399.8	535.6	465.3	70.32	7.617	
1,900.0	1,899.3	1,893.2	1,892.2	5.5	52.7	88.98	-356.7	399.8	535.0	460.7	74.38	7.193	
1,915.3	1,914.5	1,908.0	1,907.0	5.5	53.1	89.15	-356.7	399.8	535.0	460.0	74.99	7.135	
2,000.0	1,998.6	1,989.9	1,988.9	5.7	55.6	90.22	-357.2	399.8	535.3	456.9	78.36	6.831	
2,033.3	2,031.6	2,026.2	2,025.0	5.8	56.6	90.75	-357.2	399.8	535.4	455.5	79.84	6.705	
2,100.0	2,097.6	2,092.1	2,091.0	5.9	58.6	83.80	-357.2	399.8	534.9	452.3	82.56	6.479	
2,200.0	2,196.3	2,185.9	2,184.6	6.2	61.3	75.63	-356.0	399.8	531.0	444.6	86.42	6.144	
2,300.0	2,294.6	2,289.3	2,288.0	6.5	64.4	70.37	-357.2	399.8	526.4	435.7	90.70	5.804	
2,342.6	2,336.3	2,331.1	2,329.7	6.6	65.6	68.69	-357.2	399.8	523.3	430.9	92.42	5.662	
2,400.0	2,392.4	2,386.8	2,385.5	6.8	67.3	69.85	-356.7	399.8	518.6	423.9	94.73	5.475	
2,500.0	2,490.2	2,481.9	2,480.5	7.1	70.1	71.95	-357.1	399.8	512.0	413.3	98.66	5.190	
2,600.0	2,588.1	2,583.0	2,581.5	7.4	73.1	74.23	-357.2	399.8	506.0	403.1	102.85	4.919	
2,700.0	2,685.9	2,676.2	2,674.7	7.8	75.9	76.29	-355.9	399.8	499.4	392.7	106.72	4.680	
2,800.0	2,783.7	2,778.7	2,777.1	8.2	78.9	78.76	-357.2	399.8	496.0	385.1	110.97	4.470	
2,900.0	2,881.5	2,876.5	2,874.8	8.5	81.8	81.05	-356.7	399.8	491.8	376.8	115.04	4.275	
3,000.0	2,979.3	2,971.4	2,969.7	8.9	84.6	83.35	-357.0	399.8	489.3	370.3	118.98	4.112	
3,100.0	3,077.1	3,072.4	3,070.5	9.3	87.6	85.81	-357.2	399.8	487.5	364.3	123.18	3.957	
3,195.7	3,170.8	3,162.4	3,160.5	9.7	90.3	87.95	-355.8	399.8	485.0	358.1	126.93	3.821 CC	
3,200.0	3,174.9	3,166.3	3,164.4	9.7	90.4	88.05	-355.8	399.8	485.0	357.9	127.09	3.816	
3,300.0	3,272.8	3,268.2	3,266.2	10.1	93.5	90.60	-357.2	399.8	486.1	354.8	131.34	3.701	
3,400.0	3,370.6	3,366.0	3,364.0	10.6	96.4	92.99	-357.2	399.8	486.8	351.4	135.42	3.595	
3,500.0	3,468.4	3,460.9	3,458.9	11.0	99.2	95.30	-357.0	399.8	488.1	348.7	139.38	3.502	
3,600.0	3,566.2	3,561.8	3,559.6	11.4	102.2	97.74	-357.2	399.8	490.8	347.2	143.59	3.418	
3,700.0	3,664.0	3,656.4	3,654.2	11.8	105.0	99.98	-355.7	399.8	492.5	345.0	147.55	3.338 ES	
3,800.0	3,761.8	3,757.6	3,755.2	12.3	108.1	102.39	-357.2	399.8	498.2	346.4	151.78	3.282	
3,900.0	3,859.6	3,855.4	3,853.0	12.7	111.0	104.65	-357.2	399.8	503.2	347.3	155.88	3.228	
4,000.0	3,957.5	3,950.5	3,948.2	13.1	113.8	106.81	-356.9	399.8	508.6	348.7	159.86	3.181	
4,100.0	4,055.3	4,051.2	4,048.7	13.6	116.8	109.04	-357.2	399.8	515.5	351.4	164.09	3.141	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 250-INC-ONLY												Offset Well Error:	10.0 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	
4,200.0	4,153.1	4,146.6	4,144.1	14.0	119.7	111.12	-355.7	399.8	521.2	353.1	168.10	3.100	
4,300.0	4,250.9	4,234.9	4,232.3	14.5	122.3	112.96	-356.9	399.8	530.5	358.7	171.77	3.089	
4,400.0	4,348.7	4,321.0	4,318.3	14.9	124.9	114.72	-357.2	399.8	540.0	364.7	175.27	3.081 SF	
4,500.0	4,446.5	4,321.0	4,318.3	15.4	124.9	114.72	-357.2	399.8	562.1	390.7	171.38	3.280	
4,600.0	4,544.4	4,321.0	4,318.3	15.8	124.9	114.72	-357.2	399.8	600.3	436.7	163.56	3.670	
4,700.0	4,642.2	4,321.0	4,318.3	16.3	124.9	114.72	-357.2	399.8	651.7	498.0	153.73	4.239	
4,800.0	4,740.0	4,321.0	4,318.3	16.7	124.9	114.72	-357.2	399.8	713.5	570.1	143.41	4.975	
4,900.0	4,837.8	4,321.0	4,318.3	17.2	124.9	114.72	-357.2	399.8	783.2	649.7	133.55	5.865	
5,000.0	4,935.6	4,321.0	4,318.3	17.6	124.9	114.72	-357.2	399.8	859.0	734.4	124.57	6.896	
5,100.0	5,033.4	4,321.0	4,318.3	18.1	124.9	114.72	-357.2	399.8	939.3	822.7	116.60	8.056	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11150-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	-24.40	200.6	-91.0	220.3				
100.0	100.0	98.3	98.3	3.0	3.0	-24.40	200.6	-91.0	220.3	213.8	6.52	33.781	
200.0	200.0	198.3	198.3	3.2	3.2	-24.40	200.6	-91.0	220.3	213.5	6.77	32.550	
300.0	300.0	298.3	298.3	3.3	3.3	-24.40	200.6	-91.0	220.3	213.3	7.01	31.413	
400.0	400.0	398.3	398.3	3.4	3.4	-24.40	200.6	-91.0	220.3	213.0	7.25	30.366	
500.0	500.0	498.3	498.3	3.5	3.5	-24.40	200.6	-91.0	220.3	212.8	7.49	29.397	
600.0	600.0	598.3	598.3	3.7	3.7	-24.40	200.6	-91.0	220.3	212.5	7.73	28.497	
700.0	700.0	698.3	698.3	3.8	3.8	-24.40	200.6	-91.0	220.3	212.3	7.96	27.657	
800.0	800.0	798.3	798.3	3.9	3.9	-24.40	200.6	-91.0	220.3	212.1	8.20	26.872	
900.0	900.0	898.3	898.3	4.0	4.0	-24.40	200.6	-91.0	220.3	211.8	8.43	26.135	
1,000.0	1,000.0	998.3	998.3	4.2	4.2	-24.40	200.6	-91.0	220.3	211.6	8.66	25.443	
1,100.0	1,100.0	1,098.3	1,098.3	4.3	4.3	-24.40	200.6	-91.0	220.3	211.4	8.89	24.790	
1,200.0	1,200.0	1,198.3	1,198.3	4.4	4.4	-24.40	200.6	-91.0	220.3	211.2	9.11	24.173	
1,300.0	1,300.0	1,298.3	1,298.3	4.5	4.5	-24.40	200.6	-91.0	220.3	210.9	9.34	23.590	
1,400.0	1,400.0	1,398.3	1,398.3	4.6	4.6	-24.40	200.6	-91.0	220.3	210.7	9.56	23.037	
1,500.0	1,500.0	1,498.3	1,498.3	4.8	4.7	-24.40	200.6	-91.0	220.3	210.5	9.78	22.512 CC, ES	
1,600.0	1,600.0	1,593.1	1,593.0	4.9	4.9	-69.97	201.2	-92.4	221.0	211.0	10.01	22.067	
1,700.0	1,699.9	1,687.4	1,687.2	5.1	5.0	-71.63	202.9	-96.7	223.3	213.0	10.35	21.578	
1,800.0	1,799.7	1,780.9	1,780.5	5.3	5.3	-74.30	205.7	-103.8	227.7	217.0	10.69	21.303	
1,900.0	1,899.3	1,873.5	1,872.4	5.5	5.5	-77.80	209.7	-113.5	234.7	223.7	11.03	21.272 SF	
2,000.0	1,998.6	1,969.4	1,967.4	5.7	5.8	-82.02	214.6	-125.8	244.4	233.0	11.38	21.476	
2,033.3	2,031.6	2,001.8	1,999.5	5.8	5.8	-83.51	216.3	-130.0	247.9	236.5	11.47	21.624	
2,100.0	2,097.6	2,066.5	2,063.6	5.9	6.0	-94.48	219.7	-138.3	256.2	244.5	11.69	21.910	
2,200.0	2,196.3	2,163.0	2,159.1	6.2	6.3	-108.51	224.7	-150.8	272.4	260.3	12.14	22.448	
2,300.0	2,294.6	2,258.5	2,253.7	6.5	6.5	-119.93	229.7	-163.1	293.4	280.8	12.61	23.278	
2,342.6	2,336.3	2,298.9	2,293.7	6.6	6.7	-124.12	231.8	-168.3	303.8	291.0	12.78	23.772	
2,400.0	2,392.4	2,353.2	2,347.5	6.8	6.8	-126.23	234.7	-175.3	318.5	305.5	13.03	24.437	
2,500.0	2,490.2	2,447.8	2,441.2	7.1	7.1	-129.49	239.6	-187.5	345.1	331.5	13.56	25.440	
2,600.0	2,588.1	2,542.4	2,534.9	7.4	7.4	-132.29	244.5	-199.8	372.5	358.4	14.13	26.363	
2,700.0	2,685.9	2,637.0	2,628.6	7.8	7.7	-134.71	249.5	-212.0	400.8	386.0	14.73	27.204	
2,800.0	2,783.7	2,731.6	2,722.3	8.2	8.1	-136.82	254.4	-224.2	429.5	414.2	15.36	27.968	
2,900.0	2,881.5	2,826.3	2,815.9	8.5	8.4	-138.67	259.3	-236.4	458.8	442.8	16.01	28.661	
3,000.0	2,979.3	2,920.9	2,909.6	8.9	8.8	-140.30	264.3	-248.6	488.5	471.8	16.68	29.290	
3,100.0	3,077.1	3,015.5	3,003.3	9.3	9.1	-141.74	269.2	-260.8	518.5	501.1	17.36	29.861	
3,200.0	3,174.9	3,110.1	3,097.0	9.7	9.5	-143.03	274.1	-273.0	548.7	530.7	18.06	30.380	
3,300.0	3,272.8	3,204.7	3,190.7	10.1	9.8	-144.19	279.1	-285.2	579.2	560.4	18.77	30.852	
3,400.0	3,370.6	3,299.3	3,284.4	10.6	10.2	-145.23	284.0	-297.4	609.9	590.4	19.50	31.284	
3,500.0	3,468.4	3,393.9	3,378.1	11.0	10.5	-146.17	288.9	-309.6	640.7	620.5	20.23	31.679	
3,600.0	3,566.2	3,488.6	3,471.8	11.4	10.9	-147.02	293.9	-321.8	671.7	650.8	20.97	32.041	
3,700.0	3,664.0	3,590.9	3,573.2	11.8	11.3	-147.87	299.1	-334.7	702.5	680.8	21.74	32.319	
3,800.0	3,761.8	3,699.6	3,681.1	12.3	11.7	-148.71	303.9	-346.7	731.8	709.3	22.58	32.416	
3,900.0	3,859.6	3,809.4	3,790.4	12.7	12.1	-149.51	308.0	-356.8	759.4	736.0	23.41	32.441	
4,000.0	3,957.5	3,920.3	3,900.9	13.1	12.5	-150.28	311.3	-365.1	785.3	761.1	24.23	32.406	
4,100.0	4,055.3	4,032.3	4,012.7	13.6	12.9	-151.04	313.9	-371.5	809.5	784.4	25.04	32.325	
4,200.0	4,153.1	4,145.2	4,125.5	14.0	13.2	-151.78	315.7	-375.8	831.8	806.0	25.82	32.211	
4,300.0	4,250.9	4,259.0	4,239.3	14.5	13.5	-152.51	316.6	-378.1	852.4	825.8	26.56	32.090	
4,400.0	4,348.7	4,366.8	4,347.0	14.9	13.7	-153.20	316.8	-378.5	871.3	844.2	27.14	32.109	
4,500.0	4,446.5	4,464.6	4,444.8	15.4	13.7	-153.80	316.8	-378.5	890.0	862.4	27.62	32.220	
4,600.0	4,544.4	4,562.4	4,542.7	15.8	13.8	-154.37	316.8	-378.5	908.8	880.7	28.12	32.314	
4,700.0	4,642.2	4,660.2	4,640.5	16.3	13.8	-154.93	316.8	-378.5	927.7	899.0	28.63	32.398	
4,800.0	4,740.0	4,758.0	4,738.3	16.7	13.9	-155.46	316.8	-378.5	946.6	917.5	29.15	32.473	
4,900.0	4,837.8	4,855.8	4,836.1	17.2	14.0	-155.97	316.8	-378.5	965.6	935.9	29.68	32.539	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:		ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1											Offset Site Error:		0.0 usft	
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11150-r.5 MWD+IFR1+MS											Offset Well Error:		3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,000.0	4,935.6	4,953.6	4,933.9	17.6	14.0	-156.46	316.8	-378.5	984.7	954.5	30.21	32.598				

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11311-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	
0.0	0.0	0.0	0.0	3.0	3.0	-16.93	200.5	-61.0	209.6				
100.0	100.0	98.1	98.1	3.0	3.0	-16.93	200.5	-61.0	209.6	203.1	6.52	32.145	
200.0	200.0	198.1	198.1	3.2	3.2	-16.93	200.5	-61.0	209.6	202.8	6.77	30.970	
300.0	300.0	298.1	298.1	3.3	3.3	-16.93	200.5	-61.0	209.6	202.6	7.01	29.883	
400.0	400.0	398.1	398.1	3.4	3.4	-16.93	200.5	-61.0	209.6	202.3	7.26	28.879	
500.0	500.0	498.1	498.1	3.5	3.5	-16.93	200.5	-61.0	209.6	202.1	7.50	27.949	
600.0	600.0	598.1	598.1	3.7	3.7	-16.93	200.5	-61.0	209.6	201.9	7.74	27.084	
700.0	700.0	698.1	698.1	3.8	3.8	-16.93	200.5	-61.0	209.6	201.6	7.98	26.276	
800.0	800.0	798.1	798.1	3.9	3.9	-16.93	200.5	-61.0	209.6	201.4	8.21	25.520	
900.0	900.0	898.1	898.1	4.0	4.0	-16.93	200.5	-61.0	209.6	201.1	8.45	24.811	
1,000.0	1,000.0	998.1	998.1	4.2	4.2	-16.93	200.5	-61.0	209.6	200.9	8.68	24.143	
1,100.0	1,100.0	1,098.1	1,098.1	4.3	4.3	-16.93	200.5	-61.0	209.6	200.7	8.91	23.514	
1,200.0	1,200.0	1,198.1	1,198.1	4.4	4.4	-16.93	200.5	-61.0	209.6	200.5	9.14	22.919	
1,300.0	1,300.0	1,298.1	1,298.1	4.5	4.5	-16.93	200.5	-61.0	209.6	200.2	9.38	22.356	
1,400.0	1,400.0	1,398.1	1,398.1	4.6	4.6	-16.93	200.5	-61.0	209.6	200.0	9.60	21.823	
1,500.0	1,500.0	1,498.1	1,498.1	4.8	4.7	-16.93	200.5	-61.0	209.6	199.8	9.83	21.315	
1,600.0	1,600.0	1,594.7	1,594.7	4.9	4.9	-61.86	201.6	-60.0	209.8	199.7	10.05	20.869	
1,700.0	1,699.9	1,691.2	1,691.1	5.1	5.1	-61.62	205.1	-56.6	210.3	200.0	10.38	20.271	
1,800.0	1,799.7	1,789.1	1,788.6	5.3	5.2	-61.26	210.8	-51.1	211.2	200.6	10.62	19.885	
1,900.0	1,899.3	1,889.1	1,888.2	5.5	5.4	-61.39	217.1	-45.0	211.1	200.2	10.94	19.299	
2,000.0	1,998.6	1,989.0	1,987.8	5.7	5.7	-62.15	223.3	-39.0	209.8	198.6	11.26	18.626	
2,033.3	2,031.6	2,022.3	2,021.0	5.8	5.7	-62.56	225.4	-37.0	209.1	197.8	11.34	18.446	
2,100.0	2,097.6	2,088.9	2,087.3	5.9	5.9	-71.58	229.6	-33.0	208.1	196.6	11.51	18.073	
2,130.7	2,127.9	2,119.5	2,117.8	6.0	6.0	-75.43	231.5	-31.1	208.0	196.4	11.62	17.903 CC, ES	
2,200.0	2,196.3	2,188.6	2,186.6	6.2	6.1	-83.43	235.8	-26.9	208.6	196.8	11.84	17.613	
2,300.0	2,294.6	2,288.0	2,285.6	6.5	6.4	-93.60	242.1	-20.9	211.8	199.7	12.12	17.475 SF	
2,342.6	2,336.3	2,330.2	2,327.7	6.6	6.5	-97.52	244.7	-18.3	214.1	201.9	12.18	17.569	
2,400.0	2,392.4	2,387.0	2,384.3	6.8	6.7	-99.41	248.3	-14.9	217.6	205.3	12.28	17.726	
2,500.0	2,490.2	2,486.0	2,482.9	7.1	7.0	-102.55	254.5	-8.9	224.3	211.8	12.50	17.939	
2,600.0	2,588.1	2,585.1	2,581.6	7.4	7.3	-105.50	260.7	-2.9	231.7	218.9	12.75	18.175	
2,700.0	2,685.9	2,684.1	2,680.2	7.8	7.6	-108.27	266.9	3.1	239.6	226.6	13.01	18.420	
2,800.0	2,783.7	2,783.1	2,778.9	8.2	7.9	-110.86	273.1	9.1	248.1	234.8	13.30	18.661	
2,900.0	2,881.5	2,882.2	2,877.5	8.5	8.2	-113.27	279.3	15.1	257.1	243.5	13.61	18.891	
3,000.0	2,979.3	2,981.3	2,976.3	8.9	8.5	-115.56	285.4	21.0	266.4	252.5	13.90	19.169	
3,100.0	3,077.1	3,080.3	3,075.0	9.3	8.8	-117.98	290.5	25.8	276.2	261.9	14.27	19.360	
3,200.0	3,174.9	3,178.9	3,173.5	9.7	9.1	-120.57	294.3	29.5	286.4	271.8	14.68	19.507	
3,300.0	3,272.8	3,277.0	3,271.5	10.1	9.4	-123.29	296.9	32.0	297.4	282.2	15.15	19.626	
3,400.0	3,370.6	3,374.6	3,369.1	10.6	9.7	-126.11	298.3	33.4	309.2	293.5	15.68	19.721	
3,500.0	3,468.4	3,471.9	3,466.4	11.0	9.8	-128.98	298.5	33.6	322.0	305.8	16.22	19.851	
3,600.0	3,566.2	3,569.7	3,564.3	11.4	9.9	-131.71	298.5	33.6	335.6	318.8	16.83	19.943	
3,700.0	3,664.0	3,667.6	3,662.1	11.8	9.9	-134.22	298.5	33.6	350.0	332.5	17.48	20.024	
3,800.0	3,761.8	3,765.4	3,759.9	12.3	10.0	-136.54	298.5	33.6	364.9	346.8	18.14	20.112	
3,900.0	3,859.6	3,863.2	3,857.7	12.7	10.1	-138.67	298.5	33.6	380.4	361.6	18.83	20.208	
4,000.0	3,957.5	3,961.0	3,955.5	13.1	10.2	-140.64	298.5	33.6	396.4	376.9	19.52	20.312	
4,100.0	4,055.3	4,058.8	4,053.3	13.6	10.3	-142.46	298.5	33.6	412.8	392.6	20.21	20.423	
4,200.0	4,153.1	4,156.6	4,151.2	14.0	10.3	-144.13	298.5	33.6	429.6	408.7	20.92	20.542	
4,300.0	4,250.9	4,254.4	4,249.0	14.5	10.4	-145.69	298.5	33.6	446.8	425.2	21.62	20.667	
4,400.0	4,348.7	4,352.3	4,346.8	14.9	10.5	-147.12	298.5	33.6	464.2	441.9	22.32	20.796	
4,500.0	4,446.5	4,450.1	4,444.6	15.4	10.6	-148.46	298.5	33.6	481.9	458.9	23.03	20.930	
4,600.0	4,544.4	4,547.9	4,542.4	15.8	10.7	-149.70	298.5	33.6	499.9	476.1	23.73	21.066	
4,700.0	4,642.2	4,645.7	4,640.2	16.3	10.8	-150.85	298.5	33.6	518.0	493.6	24.43	21.205	
4,800.0	4,740.0	4,743.5	4,738.0	16.7	10.8	-151.93	298.5	33.6	536.4	511.2	25.13	21.344	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11311-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance			Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)			
4,900.0	4,837.8	4,841.3	4,835.9	17.2	10.9	-152.93	298.5	33.6	554.9	529.1	25.83	21.484		
5,000.0	4,935.6	4,939.1	4,933.7	17.6	11.0	-153.88	298.5	33.6	573.6	547.0	26.52	21.624		
5,100.0	5,033.4	5,037.0	5,031.5	18.1	11.1	-154.76	298.5	33.6	592.4	565.1	27.22	21.764		
5,200.0	5,131.2	5,134.8	5,129.3	18.6	11.2	-155.59	298.5	33.6	611.3	583.4	27.91	21.902		
5,289.7	5,219.0	5,222.5	5,217.1	19.0	11.2	-156.29	298.5	33.6	628.4	599.9	28.53	22.030		
5,300.0	5,229.1	5,232.6	5,227.1	19.0	11.2	-156.37	298.5	33.6	630.4	601.8	28.59	22.047		
5,400.0	5,327.1	5,330.6	5,325.1	19.5	11.3	-157.14	298.5	33.6	648.6	619.3	29.30	22.136		
5,500.0	5,425.4	5,429.0	5,423.5	19.9	11.4	-157.81	298.5	33.6	665.3	635.3	29.96	22.207		
5,600.0	5,524.1	5,527.6	5,522.2	20.4	11.5	-158.38	298.5	33.6	680.5	649.9	30.60	22.238		
5,700.0	5,623.0	5,626.6	5,621.1	20.8	11.6	-158.88	298.5	33.6	694.1	662.9	31.22	22.233		
5,800.0	5,722.2	5,725.7	5,720.3	21.2	11.7	-159.29	298.5	33.6	706.1	674.3	31.82	22.192		
5,900.0	5,821.6	5,825.1	5,819.6	21.6	11.7	-159.65	298.5	33.6	716.6	684.2	32.40	22.119		
6,000.0	5,921.1	5,924.7	5,919.2	22.0	11.8	-159.93	298.5	33.6	725.4	692.4	32.95	22.015		
6,100.0	6,020.8	6,024.4	6,018.9	22.4	11.9	-160.16	298.5	33.6	732.6	699.1	33.48	21.885		
6,200.0	6,120.6	6,124.2	6,118.7	22.7	12.0	-160.34	298.5	33.6	738.2	704.2	33.97	21.730		
6,300.0	6,220.6	6,224.1	6,218.6	23.1	12.1	-160.46	298.5	33.6	742.1	707.7	34.43	21.556		
6,400.0	6,320.5	6,324.1	6,318.6	23.4	12.2	-160.53	298.5	33.6	744.4	709.6	34.83	21.371		
6,489.7	6,410.2	6,413.8	6,408.3	23.5	12.2	-87.55	298.5	33.6	745.1	710.0	35.04	21.262		
6,500.0	6,420.5	6,424.1	6,418.6	23.5	12.2	-87.55	298.5	33.6	745.1	710.0	35.05	21.258		
6,600.0	6,520.5	6,524.1	6,518.6	23.5	12.3	-87.55	298.5	33.6	745.1	709.9	35.18	21.180		
6,700.0	6,620.5	6,624.1	6,618.6	23.6	12.4	-87.55	298.5	33.6	745.1	709.8	35.28	21.117		
6,800.0	6,720.5	6,724.1	6,718.6	23.6	12.5	-87.55	298.5	33.6	745.1	709.7	35.39	21.055		
6,900.0	6,820.5	6,824.1	6,818.6	23.7	12.6	-87.55	298.5	33.6	745.1	709.6	35.49	20.992		
7,000.0	6,920.5	6,924.1	6,918.6	23.7	12.7	-87.55	298.5	33.6	745.1	709.5	35.60	20.930		
7,100.0	7,020.5	7,024.1	7,018.6	23.7	12.7	-87.55	298.5	33.6	745.1	709.4	35.70	20.868		
7,200.0	7,120.5	7,124.1	7,118.6	23.8	12.8	-87.55	298.5	33.6	745.1	709.3	35.81	20.806		
7,300.0	7,220.5	7,224.1	7,218.6	23.8	12.9	-87.55	298.5	33.6	745.1	709.2	35.92	20.744		
7,400.0	7,320.5	7,324.1	7,318.6	23.8	13.0	-87.55	298.5	33.6	745.1	709.1	36.02	20.682		
7,500.0	7,420.5	7,424.1	7,418.6	23.9	13.1	-87.55	298.5	33.6	745.1	708.9	36.13	20.621		
7,600.0	7,520.5	7,524.1	7,518.6	23.9	13.2	-87.55	298.5	33.6	745.1	708.8	36.24	20.559		
7,700.0	7,620.5	7,624.1	7,618.6	24.0	13.2	-87.55	298.5	33.6	745.1	708.7	36.35	20.498		
7,800.0	7,720.5	7,724.1	7,718.6	24.0	13.3	-87.55	298.5	33.6	745.1	708.6	36.46	20.437		
7,900.0	7,820.5	7,824.1	7,818.6	24.0	13.4	-87.55	298.5	33.6	745.1	708.5	36.57	20.376		
8,000.0	7,920.5	7,924.1	7,918.6	24.1	13.5	-87.55	298.5	33.6	745.1	708.4	36.68	20.315		
8,100.0	8,020.5	8,024.1	8,018.6	24.1	13.6	-87.55	298.5	33.6	745.1	708.3	36.79	20.254		
8,200.0	8,120.5	8,124.1	8,118.6	24.2	13.7	-87.55	298.5	33.6	745.1	708.2	36.90	20.194		
8,300.0	8,220.5	8,224.1	8,218.6	24.2	13.7	-87.55	298.5	33.6	745.1	708.1	37.01	20.134		
8,400.0	8,320.5	8,324.1	8,318.6	24.2	13.8	-87.55	298.5	33.6	745.1	708.0	37.12	20.073		
8,500.0	8,420.5	8,424.1	8,418.6	24.3	13.9	-87.55	298.5	33.6	745.1	707.8	37.23	20.013		
8,600.0	8,520.5	8,524.1	8,518.6	24.3	14.0	-87.55	298.5	33.6	745.1	707.7	37.34	19.953		
8,700.0	8,620.5	8,624.1	8,618.6	24.4	14.1	-87.55	298.5	33.6	745.1	707.6	37.45	19.894		
8,800.0	8,720.5	8,724.1	8,718.6	24.4	14.2	-87.55	298.5	33.6	745.1	707.5	37.57	19.834		
8,900.0	8,820.5	8,824.1	8,818.6	24.4	14.2	-87.55	298.5	33.6	745.1	707.4	37.68	19.775		
9,000.0	8,920.5	8,924.1	8,918.6	24.5	14.3	-87.55	298.5	33.6	745.1	707.3	37.79	19.715		
9,100.0	9,020.5	9,024.1	9,018.6	24.5	14.4	-87.55	298.5	33.6	745.1	707.2	37.91	19.656		
9,200.0	9,120.5	9,124.1	9,118.6	24.6	14.5	-87.55	298.5	33.6	745.1	707.1	38.02	19.597		
9,300.0	9,220.5	9,224.1	9,218.6	24.6	14.6	-87.55	298.5	33.6	745.1	706.9	38.13	19.539		
9,400.0	9,320.5	9,324.1	9,318.6	24.6	14.6	-87.55	298.5	33.6	745.1	706.8	38.25	19.480		
9,500.0	9,420.5	9,424.1	9,418.6	24.7	14.7	-87.55	298.5	33.6	745.1	706.7	38.36	19.422		
9,600.0	9,520.5	9,524.1	9,518.6	24.7	14.8	-87.55	298.5	33.6	745.1	706.6	38.48	19.364		
9,700.0	9,620.5	9,624.1	9,618.6	24.8	14.9	-87.55	298.5	33.6	745.1	706.5	38.59	19.306		
9,800.0	9,720.5	9,724.1	9,718.6	24.8	15.0	-87.55	298.5	33.6	745.1	706.4	38.71	19.248		

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11311-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
9,900.0	9,820.5	9,824.1	9,818.6	24.9	15.1	-87.55	298.5	33.6	745.1	706.3	38.83	19.190	
10,000.0	9,920.5	9,924.1	9,918.6	24.9	15.1	-87.55	298.5	33.6	745.1	706.1	38.94	19.133	
10,100.0	10,020.5	10,024.1	10,018.6	24.9	15.2	-87.55	298.5	33.6	745.1	706.0	39.06	19.075	
10,200.0	10,120.5	10,124.1	10,118.6	25.0	15.3	-87.55	298.5	33.6	745.1	705.9	39.18	19.018	
10,300.0	10,220.5	10,224.1	10,218.6	25.0	15.4	-87.55	298.5	33.6	745.1	705.8	39.29	18.961	
10,400.0	10,320.5	10,324.1	10,318.6	25.1	15.5	-87.55	298.5	33.6	745.1	705.7	39.41	18.905	
10,500.0	10,420.5	10,424.1	10,418.6	25.1	15.6	-87.55	298.5	33.6	745.1	705.5	39.53	18.848	
10,600.0	10,520.5	10,524.1	10,518.6	25.2	15.6	-87.55	298.5	33.6	745.1	705.4	39.65	18.792	
10,700.0	10,620.5	10,624.1	10,618.6	25.2	15.7	-87.55	298.5	33.6	745.1	705.3	39.77	18.736	
10,800.0	10,720.5	10,724.1	10,718.6	25.3	15.8	-87.55	298.5	33.6	745.1	705.2	39.89	18.680	
10,900.0	10,820.5	10,824.1	10,818.6	25.3	15.9	-87.55	298.5	33.6	745.1	705.1	40.01	18.624	
11,000.0	10,920.5	10,924.1	10,918.6	25.3	16.0	-87.55	298.5	33.6	745.1	705.0	40.13	18.569	
11,100.0	11,020.5	11,024.1	11,018.6	25.4	16.1	-87.55	298.5	33.6	745.1	704.8	40.25	18.513	
11,200.0	11,120.5	11,124.1	11,118.6	25.4	16.1	-87.55	298.5	33.6	745.1	704.7	40.37	18.458	
11,300.0	11,220.5	11,224.1	11,218.6	25.5	16.2	-87.55	298.5	33.6	745.1	704.6	40.49	18.403	
11,357.7	11,278.2	11,281.7	11,276.2	25.5	16.3	-87.55	298.5	33.6	745.1	704.5	40.55	18.376	
11,386.5	11,307.0	11,310.5	11,305.0	25.5	16.3	-87.55	298.5	33.6	745.1	704.5	40.57	18.364	
11,400.0	11,320.5	11,323.3	11,317.8	25.5	16.3	92.83	298.6	33.6	745.1	704.5	40.57	18.365	
11,450.0	11,370.4	11,369.8	11,364.2	25.5	16.3	93.26	301.6	33.6	745.4	704.9	40.51	18.401	
11,500.0	11,419.8	11,413.9	11,407.8	25.5	16.4	94.15	307.8	33.6	746.4	706.1	40.35	18.500	
11,550.0	11,468.3	11,454.1	11,447.1	25.5	16.4	95.30	316.4	33.5	748.4	708.3	40.09	18.669	
11,600.0	11,515.6	11,489.4	11,481.0	25.6	16.5	96.48	326.2	33.5	752.0	712.2	39.75	18.918	
11,650.0	11,561.3	11,519.3	11,509.3	25.6	16.5	97.47	336.1	33.5	757.6	718.3	39.35	19.253	
11,700.0	11,605.1	11,543.9	11,532.1	25.6	16.5	98.09	345.4	33.4	765.9	727.0	38.92	19.678	
11,750.0	11,646.6	11,563.5	11,549.8	25.6	16.6	98.20	353.4	33.4	777.0	738.5	38.48	20.191	
11,800.0	11,685.6	11,578.3	11,563.2	25.6	16.6	97.75	360.0	33.4	791.2	753.2	38.06	20.787	
11,850.0	11,721.6	11,589.0	11,572.7	25.6	16.6	96.69	364.9	33.4	808.5	770.9	37.68	21.459	
11,900.0	11,754.5	11,600.0	11,582.4	25.7	16.6	95.30	370.1	33.4	828.8	791.5	37.31	22.217	
11,950.0	11,784.0	11,600.0	11,582.4	25.7	16.6	92.71	370.1	33.4	851.8	814.8	37.04	22.996	
12,000.0	11,809.8	11,600.0	11,582.4	25.7	16.6	89.76	370.1	33.4	877.2	840.4	36.80	23.839	
12,050.0	11,831.9	11,600.0	11,582.4	25.8	16.6	86.48	370.1	33.4	904.7	868.1	36.57	24.740	
12,100.0	11,849.9	11,600.0	11,582.4	25.8	16.6	82.92	370.1	33.4	933.8	897.4	36.34	25.695	
12,150.0	11,863.8	11,600.0	11,582.4	25.9	16.6	79.14	370.1	33.4	964.2	928.0	36.11	26.699	
12,200.0	11,873.5	11,584.3	11,568.5	25.9	16.6	74.15	362.7	33.4	995.2	959.2	36.03	27.622	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-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	-8.83	200.2	-31.1	202.6				
100.0	100.0	98.1	98.1	3.0	3.0	-8.83	200.2	-31.1	202.6	196.0	6.52	31.065	
200.0	200.0	198.1	198.1	3.2	3.2	-8.83	200.2	-31.1	202.6	195.8	6.77	29.927	
300.0	300.0	298.1	298.1	3.3	3.3	-8.83	200.2	-31.1	202.6	195.5	7.02	28.872	
400.0	400.0	398.1	398.1	3.4	3.4	-8.83	200.2	-31.1	202.6	195.3	7.26	27.898	
500.0	500.0	498.1	498.1	3.5	3.5	-8.83	200.2	-31.1	202.6	195.1	7.50	26.994	
600.0	600.0	598.1	598.1	3.7	3.7	-8.83	200.2	-31.1	202.6	194.8	7.75	26.152	
700.0	700.0	698.1	698.1	3.8	3.8	-8.83	200.2	-31.1	202.6	194.6	7.99	25.366	
800.0	800.0	798.1	798.1	3.9	3.9	-8.83	200.2	-31.1	202.6	194.3	8.22	24.629	
900.0	900.0	898.1	898.1	4.0	4.0	-8.83	200.2	-31.1	202.6	194.1	8.46	23.938	
1,000.0	1,000.0	998.1	998.1	4.2	4.2	-8.83	200.2	-31.1	202.6	193.9	8.70	23.287	
1,100.0	1,100.0	1,098.1	1,098.1	4.3	4.3	-8.83	200.2	-31.1	202.6	193.6	8.93	22.673	
1,200.0	1,200.0	1,198.1	1,198.1	4.4	4.4	-8.83	200.2	-31.1	202.6	193.4	9.17	22.093	
1,300.0	1,300.0	1,298.1	1,298.1	4.5	4.5	-8.83	200.2	-31.1	202.6	193.2	9.40	21.544	
1,400.0	1,400.0	1,398.1	1,398.1	4.6	4.6	-8.83	200.2	-31.1	202.6	192.9	9.64	21.023	
1,500.0	1,500.0	1,498.1	1,498.1	4.8	4.7	-8.83	200.2	-31.1	202.6	192.7	9.87	20.528	
1,600.0	1,600.0	1,595.5	1,595.5	4.9	4.9	-53.83	200.9	-30.2	202.4	192.3	10.08	20.081	
1,700.0	1,699.9	1,692.8	1,692.7	5.1	5.0	-53.82	203.3	-27.4	202.1	191.7	10.40	19.427	
1,800.0	1,799.7	1,790.1	1,789.9	5.3	5.2	-53.79	207.2	-22.6	201.5	190.7	10.73	18.775	
1,900.0	1,899.3	1,887.5	1,886.8	5.5	5.4	-53.75	212.8	-16.0	200.7	189.6	11.07	18.125	
2,000.0	1,998.6	1,984.8	1,983.5	5.7	5.7	-53.69	219.9	-7.5	199.6	188.2	11.42	17.475	
2,033.3	2,031.6	2,017.3	2,015.7	5.8	5.8	-53.66	222.6	-4.3	199.2	187.7	11.49	17.338	
2,100.0	2,097.6	2,086.9	2,084.7	5.9	5.9	-61.67	228.4	3.4	198.5	186.8	11.68	16.990	
2,200.0	2,196.3	2,191.4	2,188.2	6.2	6.1	-71.87	234.6	16.4	196.2	184.1	12.02	16.325	
2,300.0	2,294.6	2,291.3	2,287.1	6.5	6.4	-80.53	239.8	29.3	194.8	182.5	12.33	15.796	
2,319.9	2,314.0	2,311.2	2,306.8	6.6	6.4	-82.13	240.9	31.9	194.8	182.4	12.37	15.744 CC, ES	
2,342.6	2,336.3	2,333.9	2,329.2	6.6	6.5	-83.92	242.1	34.8	194.8	182.4	12.41	15.694	
2,400.0	2,392.4	2,391.1	2,385.9	6.8	6.7	-85.11	245.0	42.2	195.1	182.6	12.53	15.578	
2,500.0	2,490.2	2,490.8	2,484.7	7.1	7.0	-87.19	250.2	55.0	195.9	183.1	12.78	15.329	
2,600.0	2,588.1	2,590.6	2,583.5	7.4	7.3	-89.24	255.4	67.9	196.9	183.9	13.03	15.115	
2,700.0	2,685.9	2,690.3	2,682.2	7.8	7.6	-91.28	260.6	80.8	198.1	184.9	13.27	14.929	
2,800.0	2,783.7	2,790.1	2,781.0	8.2	8.0	-93.28	265.8	93.6	199.6	186.1	13.52	14.765	
2,900.0	2,881.5	2,889.8	2,879.8	8.5	8.3	-95.25	271.0	106.5	201.4	187.6	13.78	14.617	
3,000.0	2,979.3	2,989.6	2,978.6	8.9	8.7	-97.19	276.2	119.4	203.3	189.3	14.04	14.480	
3,100.0	3,077.1	3,089.3	3,077.3	9.3	9.1	-99.09	281.4	132.3	205.5	191.2	14.32	14.349	
3,200.0	3,174.9	3,189.1	3,176.1	9.7	9.5	-100.94	286.6	145.1	208.0	193.3	14.63	14.219	
3,300.0	3,272.8	3,288.8	3,274.9	10.1	9.8	-102.75	291.8	158.0	210.6	195.6	14.95	14.087	
3,400.0	3,370.6	3,388.6	3,373.7	10.6	10.2	-104.52	297.0	170.9	213.4	198.1	15.30	13.951	
3,500.0	3,468.4	3,488.3	3,472.4	11.0	10.6	-106.23	302.2	183.7	216.5	200.8	15.68	13.808	
3,600.0	3,566.2	3,588.0	3,571.2	11.4	11.0	-107.90	307.4	196.6	219.7	203.6	16.09	13.658	
3,700.0	3,664.0	3,687.8	3,670.0	11.8	11.4	-109.52	312.6	209.5	223.1	206.6	16.53	13.501	
3,800.0	3,761.8	3,787.5	3,768.7	12.3	11.8	-111.09	317.8	222.4	226.7	209.7	17.00	13.337	
3,900.0	3,859.6	3,887.3	3,867.5	12.7	12.2	-112.61	323.0	235.2	230.4	212.9	17.50	13.168	
4,000.0	3,957.5	3,987.0	3,966.3	13.1	12.6	-114.08	328.2	248.1	234.4	216.3	18.04	12.993	
4,100.0	4,055.3	4,086.8	4,065.1	13.6	13.0	-115.50	333.4	261.0	238.4	219.8	18.60	12.815	
4,200.0	4,153.1	4,186.5	4,163.8	14.0	13.4	-116.87	338.6	273.8	242.6	223.4	19.20	12.636	
4,300.0	4,250.9	4,286.3	4,262.6	14.5	13.8	-118.20	343.8	286.7	246.9	227.1	19.82	12.457	
4,400.0	4,348.7	4,386.0	4,361.4	14.9	14.2	-119.48	349.0	299.6	251.4	230.9	20.47	12.279	
4,500.0	4,446.5	4,485.8	4,460.2	15.4	14.6	-120.71	354.2	312.5	256.0	234.8	21.15	12.103	
4,600.0	4,544.4	4,585.5	4,558.9	15.8	15.1	-121.90	359.4	325.3	260.7	238.8	21.85	11.930	
4,700.0	4,642.2	4,685.2	4,657.7	16.3	15.5	-123.05	364.6	338.2	265.5	242.9	22.57	11.762	
4,800.0	4,740.0	4,785.0	4,756.5	16.7	15.9	-124.15	369.8	351.1	270.4	247.1	23.31	11.599	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-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)			
4,900.0	4,837.8	4,884.7	4,855.3	17.2	16.3	-125.22	375.0	363.9	275.4	251.3	24.07	11.441	
5,000.0	4,935.6	4,984.5	4,954.0	17.6	16.7	-126.25	380.2	376.8	280.5	255.6	24.84	11.289	
5,100.0	5,033.4	5,084.1	5,052.7	18.1	17.1	-127.24	385.4	389.7	285.7	260.0	25.62	11.149	
5,200.0	5,131.2	5,181.2	5,148.9	18.6	17.5	-128.31	390.2	401.4	291.4	265.0	26.45	11.018	
5,289.7	5,219.0	5,268.0	5,235.2	19.0	17.9	-129.46	393.9	410.6	297.5	270.2	27.24	10.919	
5,300.0	5,229.1	5,277.9	5,245.1	19.0	17.9	-129.61	394.3	411.6	298.2	270.9	27.33	10.910	
5,400.0	5,327.1	5,374.4	5,341.1	19.5	18.3	-130.99	397.8	420.2	305.5	277.2	28.28	10.803	
5,500.0	5,425.4	5,470.8	5,437.2	19.9	18.6	-132.32	400.7	427.4	312.8	283.6	29.18	10.719	
5,600.0	5,524.1	5,567.0	5,533.2	20.4	19.0	-133.60	403.0	433.0	320.1	290.0	30.06	10.648	
5,700.0	5,623.0	5,663.1	5,629.1	20.8	19.3	-134.83	404.6	437.2	327.4	296.5	30.91	10.590	
5,800.0	5,722.2	5,759.0	5,725.0	21.2	19.6	-136.01	405.7	439.8	334.6	302.9	31.73	10.545	
5,900.0	5,821.6	5,854.7	5,820.7	21.6	19.8	-137.15	406.2	441.0	341.9	309.4	32.48	10.525	
6,000.0	5,921.1	5,953.2	5,919.2	22.0	19.8	-138.22	406.2	441.0	348.8	315.7	33.16	10.518	
6,100.0	6,020.8	6,052.9	6,018.9	22.4	19.9	-139.08	406.2	441.0	354.6	320.8	33.78	10.498	
6,200.0	6,120.6	6,152.7	6,118.7	22.7	19.9	-139.73	406.2	441.0	359.1	324.8	34.31	10.466	
6,300.0	6,220.6	6,252.6	6,218.7	23.1	20.0	-140.18	406.2	441.0	362.3	327.5	34.76	10.422	
6,400.0	6,320.5	6,352.6	6,318.6	23.4	20.0	-140.44	406.2	441.0	364.2	329.0	35.13	10.366	
6,489.7	6,410.2	6,442.3	6,408.3	23.5	20.1	-67.51	406.2	441.0	364.7	329.4	35.31	10.328	
6,500.0	6,420.5	6,452.6	6,418.6	23.5	20.1	-67.51	406.2	441.0	364.7	329.4	35.32	10.327	
6,600.0	6,520.5	6,552.6	6,518.6	23.5	20.1	-67.51	406.2	441.0	364.7	329.3	35.44	10.291	
6,700.0	6,620.5	6,652.6	6,618.6	23.6	20.2	-67.51	406.2	441.0	364.7	329.2	35.54	10.263	
6,800.0	6,720.5	6,752.6	6,718.6	23.6	20.2	-67.51	406.2	441.0	364.7	329.1	35.63	10.235	
6,900.0	6,820.5	6,852.6	6,818.6	23.7	20.2	-67.51	406.2	441.0	364.7	329.0	35.73	10.207	
7,000.0	6,920.5	6,952.6	6,918.6	23.7	20.3	-67.51	406.2	441.0	364.7	328.9	35.83	10.179	
7,100.0	7,020.5	7,052.6	7,018.6	23.7	20.3	-67.51	406.2	441.0	364.7	328.8	35.93	10.151	
7,200.0	7,120.5	7,152.6	7,118.6	23.8	20.4	-67.51	406.2	441.0	364.7	328.7	36.03	10.123	
7,300.0	7,220.5	7,252.6	7,218.6	23.8	20.4	-67.51	406.2	441.0	364.7	328.6	36.13	10.095	
7,400.0	7,320.5	7,352.6	7,318.6	23.8	20.5	-67.51	406.2	441.0	364.7	328.5	36.23	10.067	
7,500.0	7,420.5	7,452.6	7,418.6	23.9	20.5	-67.51	406.2	441.0	364.7	328.4	36.33	10.039	
7,600.0	7,520.5	7,552.6	7,518.6	23.9	20.6	-67.51	406.2	441.0	364.7	328.3	36.43	10.011	
7,700.0	7,620.5	7,652.6	7,618.6	24.0	20.6	-67.51	406.2	441.0	364.7	328.2	36.53	9.984	
7,800.0	7,720.5	7,752.6	7,718.6	24.0	20.7	-67.51	406.2	441.0	364.7	328.1	36.63	9.956	
7,900.0	7,820.5	7,852.6	7,818.6	24.0	20.7	-67.51	406.2	441.0	364.7	328.0	36.74	9.928	
8,000.0	7,920.5	7,952.6	7,918.6	24.1	20.8	-67.51	406.2	441.0	364.7	327.9	36.84	9.900	
8,100.0	8,020.5	8,052.6	8,018.6	24.1	20.8	-67.51	406.2	441.0	364.7	327.8	36.94	9.873	
8,200.0	8,120.5	8,152.6	8,118.6	24.2	20.9	-67.51	406.2	441.0	364.7	327.7	37.04	9.845	
8,300.0	8,220.5	8,252.6	8,218.6	24.2	20.9	-67.51	406.2	441.0	364.7	327.6	37.15	9.818	
8,400.0	8,320.5	8,352.6	8,318.6	24.2	20.9	-67.51	406.2	441.0	364.7	327.5	37.25	9.790	
8,500.0	8,420.5	8,452.6	8,418.6	24.3	21.0	-67.51	406.2	441.0	364.7	327.4	37.36	9.763	
8,600.0	8,520.5	8,552.6	8,518.6	24.3	21.0	-67.51	406.2	441.0	364.7	327.2	37.46	9.735	
8,700.0	8,620.5	8,652.6	8,618.6	24.4	21.1	-67.51	406.2	441.0	364.7	327.1	37.57	9.708	
8,800.0	8,720.5	8,752.6	8,718.6	24.4	21.1	-67.51	406.2	441.0	364.7	327.0	37.67	9.680	
8,900.0	8,820.5	8,852.6	8,818.6	24.4	21.2	-67.51	406.2	441.0	364.7	326.9	37.78	9.653	
9,000.0	8,920.5	8,952.6	8,918.6	24.5	21.2	-67.51	406.2	441.0	364.7	326.8	37.89	9.626	
9,100.0	9,020.5	9,052.6	9,018.6	24.5	21.3	-67.51	406.2	441.0	364.7	326.7	38.00	9.599	
9,200.0	9,120.5	9,152.6	9,118.6	24.6	21.3	-67.51	406.2	441.0	364.7	326.6	38.10	9.572	
9,300.0	9,220.5	9,252.6	9,218.6	24.6	21.4	-67.51	406.2	441.0	364.7	326.5	38.21	9.545	
9,400.0	9,320.5	9,352.6	9,318.6	24.6	21.4	-67.51	406.2	441.0	364.7	326.4	38.32	9.518	
9,500.0	9,420.5	9,452.6	9,418.6	24.7	21.5	-67.51	406.2	441.0	364.7	326.3	38.43	9.491	
9,600.0	9,520.5	9,552.6	9,518.6	24.7	21.5	-67.51	406.2	441.0	364.7	326.2	38.54	9.464	
9,700.0	9,620.5	9,652.6	9,618.6	24.8	21.6	-67.51	406.2	441.0	364.7	326.1	38.65	9.437	
9,800.0	9,720.5	9,752.6	9,718.6	24.8	21.6	-67.51	406.2	441.0	364.7	326.0	38.76	9.410	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-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)			
9,900.0	9,820.5	9,852.6	9,818.6	24.9	21.7	-67.51	406.2	441.0	364.7	325.8	38.87	9.384	
10,000.0	9,920.5	9,952.6	9,918.6	24.9	21.7	-67.51	406.2	441.0	364.7	325.7	38.98	9.357	
10,100.0	10,020.5	10,052.6	10,018.6	24.9	21.8	-67.51	406.2	441.0	364.7	325.6	39.09	9.331	
10,200.0	10,120.5	10,152.6	10,118.6	25.0	21.9	-67.51	406.2	441.0	364.7	325.5	39.20	9.304	
10,300.0	10,220.5	10,252.6	10,218.6	25.0	21.9	-67.51	406.2	441.0	364.7	325.4	39.31	9.278	
10,400.0	10,320.5	10,352.6	10,318.6	25.1	22.0	-67.51	406.2	441.0	364.7	325.3	39.42	9.251	
10,500.0	10,420.5	10,452.6	10,418.6	25.1	22.0	-67.51	406.2	441.0	364.7	325.2	39.53	9.225	
10,600.0	10,520.5	10,552.6	10,518.6	25.2	22.1	-67.51	406.2	441.0	364.7	325.1	39.65	9.199	
10,700.0	10,620.5	10,652.6	10,618.6	25.2	22.1	-67.51	406.2	441.0	364.7	324.9	39.76	9.173	
10,800.0	10,720.5	10,752.6	10,718.6	25.3	22.2	-67.51	406.2	441.0	364.7	324.8	39.87	9.147	
10,900.0	10,820.5	10,852.6	10,818.6	25.3	22.2	-67.51	406.2	441.0	364.7	324.7	39.99	9.121	
11,000.0	10,920.5	10,952.6	10,918.6	25.3	22.3	-67.51	406.2	441.0	364.7	324.6	40.10	9.095	
11,100.0	11,020.5	11,052.6	11,018.6	25.4	22.3	-67.51	406.2	441.0	364.7	324.5	40.21	9.069	
11,200.0	11,120.5	11,152.6	11,118.6	25.4	22.4	-67.51	406.2	441.0	364.7	324.4	40.32	9.045 SF	
11,300.0	11,220.5	11,234.8	11,200.6	25.5	22.4	-66.88	410.6	441.0	366.9	326.8	40.08	9.153	
11,386.5	11,307.0	11,300.0	11,264.8	25.5	22.4	-65.22	422.3	441.0	373.4	333.9	39.52	9.448	
11,400.0	11,320.5	11,312.0	11,276.4	25.5	22.4	115.43	425.2	441.0	374.9	335.5	39.40	9.515	
11,450.0	11,370.4	11,350.0	11,312.8	25.5	22.4	116.55	436.1	440.9	382.9	344.1	38.88	9.848	
11,500.0	11,419.8	11,380.6	11,341.5	25.5	22.4	117.45	446.7	440.9	395.0	356.7	38.30	10.313	
11,550.0	11,468.3	11,409.4	11,368.0	25.5	22.5	118.20	458.0	440.9	411.6	373.9	37.72	10.913	
11,600.0	11,515.6	11,434.1	11,390.2	25.6	22.5	118.42	468.7	440.8	432.8	395.6	37.24	11.623	
11,650.0	11,561.3	11,450.0	11,404.3	25.6	22.5	117.40	476.1	440.8	458.6	421.6	37.01	12.392	
11,700.0	11,605.1	11,470.9	11,422.5	25.6	22.5	116.43	486.5	440.8	488.7	451.9	36.76	13.293	
11,750.0	11,646.6	11,483.6	11,433.3	25.6	22.5	113.86	493.0	440.8	522.5	485.8	36.75	14.218	
11,800.0	11,685.6	11,500.0	11,447.1	25.6	22.5	111.04	501.9	440.7	559.7	523.0	36.69	15.254	
11,850.0	11,721.6	11,500.0	11,447.1	25.6	22.5	104.86	501.9	440.7	599.3	562.3	36.98	16.204	
11,900.0	11,754.5	11,500.0	11,447.1	25.7	22.5	97.47	501.9	440.7	640.9	603.7	37.23	17.214	
11,950.0	11,784.0	11,500.0	11,447.1	25.7	22.5	89.02	501.9	440.7	684.0	646.6	37.43	18.276	
12,000.0	11,809.8	11,500.0	11,447.1	25.7	22.5	79.89	501.9	440.7	727.9	690.3	37.55	19.383	
12,050.0	11,831.9	11,500.0	11,447.1	25.8	22.5	70.66	501.9	440.7	772.2	734.6	37.61	20.529	
12,100.0	11,849.9	11,500.0	11,447.1	25.8	22.5	61.90	501.9	440.7	816.5	778.9	37.61	21.708	
12,150.0	11,863.8	11,500.0	11,447.1	25.9	22.5	54.02	501.9	440.7	860.6	823.0	37.56	22.915	
12,200.0	11,873.5	11,481.1	11,431.2	25.9	22.5	45.67	491.7	440.8	903.6	865.8	37.72	23.953	
12,250.0	11,878.8	11,472.6	11,423.9	26.0	22.5	39.75	487.3	440.8	945.7	908.1	37.67	25.107	
12,286.5	11,880.0	11,465.8	11,418.0	26.0	22.5	36.13	483.8	440.8	975.8	938.2	37.60	25.952	
12,300.0	11,880.0	11,450.0	11,404.3	26.0	22.5	35.33	476.1	440.8	987.0	949.2	37.75	26.147	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-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	-0.31	200.1	-1.1	200.1				
100.0	100.0	98.0	98.0	3.0	3.0	-0.31	200.1	-1.1	200.1	193.6	6.52	30.693	
200.0	200.0	198.0	198.0	3.2	3.2	-0.31	200.1	-1.1	200.1	193.4	6.77	29.569	
300.0	300.0	298.0	298.0	3.3	3.3	-0.31	200.1	-1.1	200.1	193.1	7.02	28.525	
400.0	400.0	398.0	398.0	3.4	3.4	-0.31	200.1	-1.1	200.1	192.9	7.26	27.560	
500.0	500.0	498.0	498.0	3.5	3.5	-0.31	200.1	-1.1	200.1	192.6	7.51	26.665	
600.0	600.0	598.0	598.0	3.7	3.7	-0.31	200.1	-1.1	200.1	192.4	7.75	25.831	
700.0	700.0	698.0	698.0	3.8	3.8	-0.31	200.1	-1.1	200.1	192.1	7.99	25.052	
800.0	800.0	798.0	798.0	3.9	3.9	-0.31	200.1	-1.1	200.1	191.9	8.23	24.322	
900.0	900.0	898.0	898.0	4.0	4.0	-0.31	200.1	-1.1	200.1	191.7	8.47	23.636	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	-0.31	200.1	-1.1	200.1	191.4	8.70	22.991	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	-0.31	200.1	-1.1	200.1	191.2	8.94	22.382	
1,200.0	1,200.0	1,198.0	1,198.0	4.4	4.4	-0.31	200.1	-1.1	200.1	191.0	9.18	21.807	
1,300.0	1,300.0	1,298.0	1,298.0	4.5	4.5	-0.31	200.1	-1.1	200.1	190.7	9.41	21.262	
1,400.0	1,400.0	1,398.0	1,398.0	4.6	4.6	-0.31	200.1	-1.1	200.1	190.5	9.65	20.746	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.7	-0.31	200.1	-1.1	200.1	190.3	9.88	20.255	
1,600.0	1,600.0	1,595.5	1,595.5	4.9	4.9	-45.27	200.7	0.0	199.8	189.7	10.10	19.786	
1,700.0	1,699.9	1,693.0	1,692.9	5.1	5.0	-45.14	202.6	3.1	198.9	188.5	10.43	19.077	
1,800.0	1,799.7	1,790.4	1,790.1	5.3	5.2	-44.92	205.6	8.5	197.5	186.7	10.77	18.337	
1,900.0	1,899.3	1,887.9	1,887.2	5.5	5.4	-44.60	210.0	16.0	195.4	184.3	11.12	17.568	
2,000.0	1,998.6	1,985.3	1,984.0	5.7	5.6	-44.16	215.5	25.6	192.8	181.3	11.50	16.769	
2,033.3	2,031.6	2,017.8	2,016.2	5.8	5.7	-44.00	217.6	29.3	191.9	180.3	11.58	16.575	
2,100.0	2,097.6	2,084.1	2,081.8	5.9	5.8	-51.64	222.2	37.7	190.2	178.4	11.76	16.168	
2,200.0	2,196.3	2,184.3	2,180.5	6.2	6.2	-60.77	229.0	53.2	188.5	176.3	12.19	15.463	
2,300.0	2,294.6	2,284.4	2,278.6	6.5	6.4	-67.54	235.5	72.1	187.9	175.4	12.56	14.961	
2,310.1	2,304.4	2,294.4	2,288.5	6.6	6.4	-68.14	236.1	74.1	187.9	175.3	12.58	14.933 CC	
2,342.6	2,336.3	2,327.0	2,320.3	6.6	6.6	-70.04	238.2	80.5	188.0	175.3	12.68	14.824	
2,400.0	2,392.4	2,384.4	2,376.4	6.8	6.7	-70.06	241.9	91.9	188.2	175.3	12.86	14.626	
2,500.0	2,490.2	2,484.4	2,474.2	7.1	7.1	-70.10	248.3	111.7	188.5	175.2	13.25	14.222	
2,600.0	2,588.1	2,584.4	2,572.1	7.4	7.4	-70.14	254.7	131.4	188.8	175.2	13.65	13.832	
2,700.0	2,685.9	2,684.4	2,669.9	7.8	7.8	-70.18	261.2	151.2	189.2	175.1	14.06	13.456	
2,800.0	2,783.7	2,784.4	2,767.7	8.2	8.2	-70.21	267.6	171.0	189.5	175.0	14.47	13.095	
2,900.0	2,881.5	2,884.4	2,865.5	8.5	8.6	-70.25	274.0	190.8	189.9	175.0	14.89	12.748	
3,000.0	2,979.3	2,984.4	2,963.3	8.9	9.0	-70.29	280.4	210.5	190.2	174.9	15.32	12.415	
3,100.0	3,077.1	3,084.4	3,061.1	9.3	9.4	-70.33	286.8	230.3	190.5	174.8	15.75	12.096	
3,200.0	3,174.9	3,184.4	3,158.9	9.7	9.8	-70.36	293.3	250.1	190.9	174.7	16.19	11.791	
3,300.0	3,272.8	3,284.4	3,256.8	10.1	10.2	-70.40	299.7	269.8	191.2	174.6	16.63	11.498	
3,400.0	3,370.6	3,384.4	3,354.6	10.6	10.6	-70.44	306.1	289.6	191.6	174.5	17.08	11.218	
3,500.0	3,468.4	3,484.4	3,452.4	11.0	11.1	-70.48	312.5	309.4	191.9	174.4	17.52	10.950	
3,600.0	3,566.2	3,584.4	3,550.2	11.4	11.5	-70.51	319.0	329.2	192.2	174.3	17.98	10.694	
3,700.0	3,664.0	3,684.3	3,648.0	11.8	11.9	-70.55	325.4	348.9	192.6	174.2	18.43	10.448	
3,800.0	3,761.8	3,784.3	3,745.8	12.3	12.4	-70.59	331.8	368.7	192.9	174.0	18.89	10.213	
3,900.0	3,859.6	3,884.3	3,843.6	12.7	12.8	-70.62	338.2	388.5	193.3	173.9	19.35	9.987	
4,000.0	3,957.5	3,984.3	3,941.5	13.1	13.2	-70.66	344.7	408.3	193.6	173.8	19.81	9.771	
4,100.0	4,055.3	4,084.3	4,039.3	13.6	13.7	-70.70	351.1	428.0	193.9	173.7	20.28	9.564	
4,200.0	4,153.1	4,184.3	4,137.1	14.0	14.1	-70.73	357.5	447.8	194.3	173.5	20.75	9.365	
4,300.0	4,250.9	4,284.3	4,234.9	14.5	14.6	-70.77	363.9	467.6	194.6	173.4	21.22	9.174	
4,400.0	4,348.7	4,384.3	4,332.7	14.9	15.0	-70.80	370.4	487.4	195.0	173.3	21.69	8.991	
4,500.0	4,446.5	4,484.3	4,430.5	15.4	15.5	-70.84	376.8	507.1	195.3	173.2	22.16	8.815	
4,600.0	4,544.4	4,584.3	4,528.3	15.8	15.9	-70.88	383.2	526.9	195.7	173.0	22.63	8.645	
4,700.0	4,642.2	4,684.3	4,626.2	16.3	16.4	-70.91	389.6	546.7	196.0	172.9	23.11	8.483	
4,800.0	4,740.0	4,784.3	4,724.0	16.7	16.8	-70.95	396.1	566.4	196.3	172.8	23.58	8.326	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,837.8	4,884.3	4,821.8	17.2	17.3	-70.98	402.5	586.2	196.7	172.6	24.06	8.175	
5,000.0	4,935.6	4,984.3	4,919.6	17.6	17.8	-71.02	408.9	606.0	197.0	172.5	24.54	8.030	
5,100.0	5,033.4	5,084.3	5,017.4	18.1	18.2	-71.05	415.3	625.8	197.4	172.4	25.01	7.890	
5,200.0	5,131.2	5,184.3	5,115.2	18.6	18.7	-71.09	421.8	645.5	197.7	172.2	25.49	7.756	
5,289.7	5,219.0	5,274.1	5,203.0	19.0	19.1	-71.12	427.5	663.3	198.0	172.1	25.92	7.641	
5,300.0	5,229.1	5,284.3	5,213.0	19.0	19.1	-71.12	428.2	665.3	198.1	172.1	25.96	7.629 ES	
5,400.0	5,327.1	5,384.3	5,310.8	19.5	19.6	-70.87	434.6	685.1	198.7	172.2	26.54	7.489	
5,500.0	5,425.4	5,484.3	5,408.6	19.9	20.1	-70.16	441.0	704.9	200.0	172.8	27.20	7.354	
5,600.0	5,524.1	5,584.2	5,506.3	20.4	20.5	-69.01	447.5	724.6	201.9	174.0	27.99	7.215	
5,700.0	5,623.0	5,684.0	5,604.0	20.8	21.0	-67.43	453.9	744.3	204.6	175.7	28.92	7.075	
5,800.0	5,722.2	5,783.7	5,701.5	21.2	21.4	-65.47	460.3	764.0	208.2	178.2	30.00	6.938	
5,900.0	5,821.6	5,883.2	5,798.8	21.6	21.9	-63.16	466.7	783.7	212.7	181.5	31.23	6.811	
6,000.0	5,921.1	5,984.8	5,898.3	22.0	22.4	-60.65	473.0	803.3	218.2	185.6	32.56	6.702	
6,100.0	6,020.8	6,088.6	6,000.6	22.4	22.9	-58.56	478.5	820.0	223.2	189.5	33.76	6.612	
6,200.0	6,120.6	6,192.8	6,103.9	22.7	23.3	-56.95	482.8	833.3	227.4	192.6	34.77	6.540	
6,300.0	6,220.6	6,297.4	6,208.0	23.1	23.8	-55.78	485.9	843.0	230.7	195.1	35.59	6.482	
6,400.0	6,320.5	6,402.3	6,312.6	23.4	24.1	-55.03	487.9	849.1	232.8	196.7	36.19	6.435	
6,489.7	6,410.2	6,496.5	6,406.8	23.5	24.4	-18.31	488.7	851.5	233.8	197.4	36.47	6.411	
6,500.0	6,420.5	6,507.3	6,417.6	23.5	24.4	18.33	488.7	851.5	233.9	197.4	36.48	6.411	
6,600.0	6,520.5	6,608.2	6,518.5	23.5	24.5	18.34	488.7	851.6	233.9	197.3	36.58	6.394	
6,700.0	6,620.5	6,708.2	6,618.5	23.6	24.5	18.34	488.7	851.6	233.9	197.2	36.68	6.377	
6,800.0	6,720.5	6,808.2	6,718.5	23.6	24.6	18.34	488.7	851.6	233.9	197.1	36.78	6.360	
6,900.0	6,820.5	6,908.2	6,818.5	23.7	24.6	18.34	488.7	851.6	233.9	197.0	36.88	6.342	
7,000.0	6,920.5	7,008.2	6,918.5	23.7	24.6	18.34	488.7	851.6	233.9	196.9	36.98	6.325	
7,100.0	7,020.5	7,108.2	7,018.5	23.7	24.7	18.34	488.7	851.6	233.9	196.8	37.08	6.308	
7,200.0	7,120.5	7,208.2	7,118.5	23.8	24.7	18.34	488.7	851.6	233.9	196.7	37.19	6.291	
7,300.0	7,220.5	7,308.2	7,218.5	23.8	24.7	18.34	488.7	851.6	233.9	196.6	37.29	6.273	
7,400.0	7,320.5	7,408.2	7,318.5	23.8	24.8	18.34	488.7	851.6	233.9	196.5	37.39	6.256	
7,500.0	7,420.5	7,508.2	7,418.5	23.9	24.8	18.34	488.7	851.6	233.9	196.4	37.49	6.239	
7,600.0	7,520.5	7,608.2	7,518.5	23.9	24.8	18.34	488.7	851.6	233.9	196.3	37.60	6.222	
7,700.0	7,620.5	7,708.2	7,618.5	24.0	24.9	18.34	488.7	851.6	233.9	196.2	37.70	6.205	
7,800.0	7,720.5	7,808.2	7,718.5	24.0	24.9	18.34	488.7	851.6	233.9	196.1	37.80	6.188	
7,900.0	7,820.5	7,908.2	7,818.5	24.0	25.0	18.34	488.7	851.6	233.9	196.0	37.91	6.171	
8,000.0	7,920.5	8,008.2	7,918.5	24.1	25.0	18.34	488.7	851.6	233.9	195.9	38.01	6.154	
8,100.0	8,020.5	8,108.2	8,018.5	24.1	25.0	18.34	488.7	851.6	233.9	195.8	38.12	6.137	
8,200.0	8,120.5	8,208.2	8,118.5	24.2	25.1	18.34	488.7	851.6	233.9	195.7	38.22	6.120	
8,300.0	8,220.5	8,308.2	8,218.5	24.2	25.1	18.34	488.7	851.6	233.9	195.6	38.33	6.103	
8,400.0	8,320.5	8,408.2	8,318.5	24.2	25.1	18.34	488.7	851.6	233.9	195.5	38.44	6.086	
8,500.0	8,420.5	8,508.2	8,418.5	24.3	25.2	18.34	488.7	851.6	233.9	195.4	38.54	6.069	
8,600.0	8,520.5	8,608.2	8,518.5	24.3	25.2	18.34	488.7	851.6	233.9	195.3	38.65	6.052	
8,700.0	8,620.5	8,708.2	8,618.5	24.4	25.3	18.34	488.7	851.6	233.9	195.2	38.76	6.035	
8,800.0	8,720.5	8,808.2	8,718.5	24.4	25.3	18.34	488.7	851.6	233.9	195.1	38.87	6.019	
8,900.0	8,820.5	8,908.2	8,818.5	24.4	25.3	18.34	488.7	851.6	233.9	194.9	38.97	6.002	
9,000.0	8,920.5	9,008.2	8,918.5	24.5	25.4	18.34	488.7	851.6	233.9	194.8	39.08	5.985	
9,100.0	9,020.5	9,108.2	9,018.5	24.5	25.4	18.34	488.7	851.6	233.9	194.7	39.19	5.969	
9,200.0	9,120.5	9,208.2	9,118.5	24.6	25.5	18.34	488.7	851.6	233.9	194.6	39.30	5.952	
9,300.0	9,220.5	9,308.2	9,218.5	24.6	25.5	18.34	488.7	851.6	233.9	194.5	39.41	5.935	
9,400.0	9,320.5	9,408.2	9,318.5	24.6	25.5	18.34	488.7	851.6	233.9	194.4	39.52	5.919	
9,500.0	9,420.5	9,508.2	9,418.5	24.7	25.6	18.34	488.7	851.6	233.9	194.3	39.63	5.902	
9,600.0	9,520.5	9,608.2	9,518.5	24.7	25.6	18.34	488.7	851.6	233.9	194.2	39.74	5.886	
9,700.0	9,620.5	9,708.2	9,618.5	24.8	25.7	18.34	488.7	851.6	233.9	194.1	39.85	5.869	
9,800.0	9,720.5	9,808.2	9,718.5	24.8	25.7	18.34	488.7	851.6	233.9	194.0	39.97	5.853	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-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	
9,900.0	9,820.5	9,908.2	9,818.5	24.9	25.7	18.34	488.7	851.6	233.9	193.8	40.08	5.837	
10,000.0	9,920.5	10,008.2	9,918.5	24.9	25.8	18.34	488.7	851.6	233.9	193.7	40.19	5.820	
10,100.0	10,020.5	10,108.2	10,018.5	24.9	25.8	18.34	488.7	851.6	233.9	193.6	40.30	5.804	
10,200.0	10,120.5	10,208.2	10,118.5	25.0	25.9	18.34	488.7	851.6	233.9	193.5	40.42	5.788	
10,300.0	10,220.5	10,308.2	10,218.5	25.0	25.9	18.34	488.7	851.6	233.9	193.4	40.53	5.772	
10,400.0	10,320.5	10,408.2	10,318.5	25.1	25.9	18.34	488.7	851.6	233.9	193.3	40.64	5.756	
10,500.0	10,420.5	10,508.2	10,418.5	25.1	26.0	18.34	488.7	851.6	233.9	193.2	40.76	5.740	
10,600.0	10,520.5	10,608.2	10,518.5	25.2	26.0	18.34	488.7	851.6	233.9	193.1	40.87	5.724	
10,700.0	10,620.5	10,708.2	10,618.5	25.2	26.1	18.34	488.7	851.6	233.9	192.9	40.98	5.708	
10,800.0	10,720.5	10,808.2	10,718.5	25.3	26.1	18.34	488.7	851.6	233.9	192.8	41.10	5.692	
10,900.0	10,820.5	10,908.2	10,818.5	25.3	26.2	18.34	488.7	851.6	233.9	192.7	41.21	5.676	
11,000.0	10,920.5	11,008.2	10,918.5	25.3	26.2	18.34	488.7	851.6	233.9	192.6	41.33	5.660	
11,100.0	11,020.5	11,108.2	11,018.5	25.4	26.2	18.34	488.7	851.6	233.9	192.5	41.45	5.644	
11,200.0	11,120.5	11,208.2	11,118.5	25.4	26.3	18.34	488.7	851.6	233.9	192.4	41.56	5.628	
11,300.0	11,220.5	11,308.2	11,218.5	25.5	26.3	18.34	488.7	851.6	233.9	192.2	41.68	5.613	
11,386.5	11,307.0	11,394.7	11,305.0	25.5	26.4	18.34	488.7	851.6	233.9	192.2	41.76	5.601	
11,400.0	11,320.5	11,400.0	11,310.3	25.5	26.4	-161.29	488.7	851.6	234.2	192.3	41.94	5.585 SF	
11,450.0	11,370.4	11,440.4	11,350.6	25.5	26.4	-161.44	490.5	851.6	239.6	197.4	42.15	5.684	
11,500.0	11,419.8	11,474.6	11,384.7	25.5	26.4	-161.71	494.1	851.6	251.9	209.6	42.34	5.949	
11,550.0	11,468.3	11,500.0	11,409.7	25.5	26.4	-161.78	498.2	851.6	271.0	228.3	42.66	6.353	
11,600.0	11,515.6	11,535.5	11,444.4	25.6	26.4	-162.18	505.7	851.5	296.0	253.4	42.56	6.955	
11,650.0	11,561.3	11,560.9	11,468.9	25.6	26.4	-162.13	512.4	851.5	326.6	284.0	42.64	7.660	
11,700.0	11,605.1	11,582.6	11,489.6	25.6	26.4	-161.72	518.9	851.5	362.0	319.2	42.73	8.472	
11,750.0	11,646.6	11,600.0	11,506.0	25.6	26.4	-160.74	524.8	851.5	401.3	358.5	42.83	9.372	
11,800.0	11,685.6	11,615.0	11,520.0	25.6	26.4	-159.08	530.2	851.5	444.0	401.1	42.89	10.351	
11,850.0	11,721.6	11,626.1	11,530.3	25.6	26.4	-156.15	534.4	851.5	489.2	446.2	42.95	11.388	
11,900.0	11,754.5	11,634.2	11,537.7	25.7	26.4	-150.98	537.6	851.5	536.3	493.3	42.99	12.473	
11,950.0	11,784.0	11,650.0	11,552.1	25.7	26.4	-144.05	544.2	851.4	584.9	542.1	42.81	13.662	
12,000.0	11,809.8	11,650.0	11,552.1	25.7	26.4	-124.35	544.2	851.4	634.1	591.2	42.86	14.794	
12,050.0	11,831.9	11,650.0	11,552.1	25.8	26.4	-85.70	544.2	851.4	683.7	640.9	42.83	15.961	
12,100.0	11,849.9	11,650.0	11,552.1	25.8	26.4	-48.29	544.2	851.4	733.3	690.6	42.75	17.156	
12,150.0	11,863.8	11,650.0	11,552.1	25.9	26.4	-29.62	544.2	851.4	782.6	740.0	42.60	18.370	
12,200.0	11,873.5	11,633.8	11,537.3	25.9	26.4	-19.16	537.5	851.5	831.0	788.3	42.63	19.491	
12,250.0	11,878.8	11,627.8	11,531.8	26.0	26.4	-14.39	535.1	851.5	878.5	836.0	42.47	20.683	
12,286.5	11,880.0	11,622.6	11,527.1	26.0	26.4	-12.09	533.1	851.5	912.4	870.1	42.34	21.551	
12,300.0	11,880.0	11,620.7	11,525.2	26.0	26.4	-12.03	532.3	851.5	924.8	882.5	42.28	21.872	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-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)			
0.0	0.0	0.0	0.0	3.0	3.0	8.26	199.9	29.0	202.0				
100.0	100.0	98.0	98.0	3.0	3.0	8.26	199.9	29.0	202.0	195.4	6.52	30.972	
200.0	200.0	198.0	198.0	3.2	3.2	8.26	199.9	29.0	202.0	195.2	6.77	29.838	
300.0	300.0	298.0	298.0	3.3	3.3	8.26	199.9	29.0	202.0	194.9	7.02	28.786	
400.0	400.0	398.0	398.0	3.4	3.4	8.26	199.9	29.0	202.0	194.7	7.26	27.815	
500.0	500.0	498.0	498.0	3.5	3.5	8.26	199.9	29.0	202.0	194.5	7.50	26.913	
600.0	600.0	598.0	598.0	3.7	3.7	8.26	199.9	29.0	202.0	194.2	7.75	26.073	
700.0	700.0	698.0	698.0	3.8	3.8	8.26	199.9	29.0	202.0	194.0	7.99	25.289	
800.0	800.0	798.0	798.0	3.9	3.9	8.26	199.9	29.0	202.0	193.7	8.22	24.554	
900.0	900.0	898.0	898.0	4.0	4.0	8.26	199.9	29.0	202.0	193.5	8.46	23.865	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	8.26	199.9	29.0	202.0	193.3	8.70	23.215	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	8.26	199.9	29.0	202.0	193.0	8.93	22.603	
1,200.0	1,200.0	1,198.0	1,198.0	4.4	4.4	8.26	199.9	29.0	202.0	192.8	9.17	22.024	
1,300.0	1,300.0	1,298.0	1,298.0	4.5	4.5	8.26	199.9	29.0	202.0	192.6	9.40	21.476	
1,400.0	1,400.0	1,398.0	1,398.0	4.6	4.6	8.26	199.9	29.0	202.0	192.3	9.64	20.957	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.7	8.26	199.9	29.0	202.0	192.1	9.87	20.463	
1,600.0	1,600.0	1,594.9	1,594.9	4.9	4.9	-36.70	200.4	30.0	201.7	191.6	10.10	19.971	
1,700.0	1,699.9	1,691.8	1,691.7	5.1	5.0	-36.54	202.3	33.2	200.8	190.4	10.44	19.238	
1,800.0	1,799.7	1,788.6	1,788.3	5.3	5.2	-36.26	205.3	38.4	199.5	188.7	10.80	18.473	
1,900.0	1,899.3	1,886.2	1,885.6	5.5	5.3	-35.81	209.5	46.1	197.5	186.4	11.11	17.777	
2,000.0	1,998.6	1,984.5	1,983.1	5.7	5.6	-34.87	214.0	57.0	194.3	182.8	11.52	16.870	
2,033.3	2,031.6	2,017.2	2,015.5	5.8	5.7	-34.44	215.6	61.3	193.0	181.4	11.63	16.598	
2,100.0	2,097.6	2,082.6	2,080.1	5.9	5.9	-41.50	218.7	71.2	190.6	178.7	11.88	16.035	
2,200.0	2,196.3	2,180.6	2,176.4	6.2	6.2	-49.79	223.7	88.7	188.2	175.8	12.36	15.225	
2,300.0	2,294.6	2,278.5	2,271.9	6.5	6.6	-55.78	228.9	109.4	187.4	174.5	12.85	14.586	
2,301.9	2,296.4	2,280.4	2,273.8	6.5	6.6	-55.87	229.0	109.8	187.4	174.5	12.85	14.578 CC	
2,342.6	2,336.3	2,320.7	2,312.8	6.6	6.7	-57.79	231.2	119.3	187.5	174.5	13.02	14.405	
2,400.0	2,392.4	2,378.0	2,368.5	6.8	6.9	-57.12	234.3	132.8	187.7	174.5	13.26	14.161	
2,500.0	2,490.2	2,477.9	2,465.4	7.1	7.3	-55.97	239.7	156.3	188.2	174.5	13.76	13.679 ES	
2,600.0	2,588.1	2,577.9	2,562.4	7.4	7.6	-54.82	245.2	179.9	188.8	174.5	14.29	13.208	
2,700.0	2,685.9	2,677.8	2,659.3	7.8	8.0	-53.68	250.6	203.4	189.4	174.6	14.86	12.750	
2,800.0	2,783.7	2,777.7	2,756.3	8.2	8.4	-52.54	256.0	227.0	190.1	174.7	15.45	12.308	
2,900.0	2,881.5	2,877.6	2,853.3	8.5	8.8	-51.42	261.5	250.5	190.9	174.8	16.07	11.882	
3,000.0	2,979.3	2,977.6	2,950.2	8.9	9.2	-50.30	266.9	274.1	191.8	175.1	16.71	11.474	
3,100.0	3,077.1	3,077.5	3,047.2	9.3	9.6	-49.20	272.4	297.7	192.7	175.3	17.39	11.083	
3,200.0	3,174.9	3,177.4	3,144.1	9.7	10.0	-48.10	277.8	321.2	193.7	175.6	18.09	10.710	
3,300.0	3,272.8	3,277.3	3,241.1	10.1	10.4	-47.02	283.2	344.8	194.8	176.0	18.81	10.356	
3,400.0	3,370.6	3,377.3	3,338.0	10.6	10.8	-45.95	288.7	368.3	195.9	176.4	19.55	10.019	
3,500.0	3,468.4	3,477.2	3,435.0	11.0	11.3	-44.89	294.1	391.9	197.1	176.8	20.32	9.700	
3,600.0	3,566.2	3,577.1	3,532.0	11.4	11.7	-43.85	299.5	415.4	198.4	177.3	21.11	9.398	
3,700.0	3,664.0	3,677.1	3,628.9	11.8	12.2	-42.82	305.0	439.0	199.7	177.8	21.92	9.113	
3,800.0	3,761.8	3,777.0	3,725.9	12.3	12.6	-41.80	310.4	462.5	201.1	178.4	22.75	8.843	
3,900.0	3,859.6	3,876.9	3,822.8	12.7	13.1	-40.80	315.9	486.1	202.6	179.0	23.59	8.589	
4,000.0	3,957.5	3,976.8	3,919.8	13.1	13.5	-39.81	321.3	509.6	204.1	179.7	24.45	8.349	
4,100.0	4,055.3	4,076.8	4,016.8	13.6	14.0	-38.84	326.7	533.2	205.7	180.4	25.33	8.123	
4,200.0	4,153.1	4,176.7	4,113.7	14.0	14.4	-37.88	332.2	556.8	207.4	181.2	26.22	7.910	
4,300.0	4,250.9	4,276.6	4,210.7	14.5	14.9	-36.94	337.6	580.3	209.1	182.0	27.12	7.709	
4,400.0	4,348.7	4,376.5	4,307.6	14.9	15.4	-36.01	343.1	603.9	210.8	182.8	28.04	7.520	
4,500.0	4,446.5	4,476.5	4,404.6	15.4	15.8	-35.10	348.5	627.4	212.6	183.7	28.96	7.342	
4,600.0	4,544.4	4,576.4	4,501.5	15.8	16.3	-34.21	353.9	651.0	214.5	184.6	29.90	7.174	
4,700.0	4,642.2	4,676.3	4,598.5	16.3	16.8	-33.33	359.4	674.5	216.4	185.6	30.85	7.016	
4,800.0	4,740.0	4,776.2	4,695.5	16.7	17.2	-32.46	364.8	698.1	218.4	186.6	31.80	6.867	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-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 Factor		
4,900.0	4,837.8	4,876.2	4,792.4	17.2	17.7	-31.61	370.2	721.6	220.4	187.6	32.77	6.726	
5,000.0	4,935.6	4,976.1	4,889.4	17.6	18.2	-30.78	375.7	745.2	222.5	188.7	33.74	6.594	
5,100.0	5,033.4	5,076.0	4,986.3	18.1	18.6	-29.96	381.1	768.7	224.6	189.9	34.72	6.469	
5,200.0	5,131.2	5,176.0	5,083.3	18.6	19.1	-29.16	386.6	792.3	226.7	191.0	35.70	6.350	
5,289.7	5,219.0	5,265.6	5,170.3	19.0	19.5	-28.45	391.4	813.4	228.7	192.1	36.59	6.251	
5,300.0	5,229.1	5,275.9	5,180.3	19.0	19.6	-28.37	392.0	815.9	228.9	192.2	36.68	6.241	
5,400.0	5,327.1	5,375.8	5,277.2	19.5	20.1	-27.50	397.4	839.4	232.1	194.4	37.72	6.154	
5,500.0	5,425.4	5,475.6	5,374.0	19.9	20.5	-26.46	402.9	862.9	236.9	198.1	38.76	6.112	
5,600.0	5,524.1	5,575.2	5,470.7	20.4	21.0	-25.30	408.3	886.4	243.3	203.5	39.82	6.111 SF	
5,700.0	5,623.0	5,674.7	5,567.3	20.8	21.5	-24.04	413.7	909.9	251.5	210.6	40.89	6.150	
5,800.0	5,722.2	5,774.1	5,663.6	21.2	22.0	-22.72	419.1	933.3	261.3	219.4	41.96	6.228	
5,900.0	5,821.6	5,873.2	5,759.8	21.6	22.4	-21.37	424.5	956.7	272.9	229.9	43.02	6.344	
6,000.0	5,921.1	5,972.0	5,855.7	22.0	22.9	-20.02	429.9	980.0	286.3	242.2	44.06	6.497	
6,100.0	6,020.8	6,070.6	5,951.4	22.4	23.4	-18.69	435.2	1,003.2	301.4	256.4	45.08	6.687	
6,200.0	6,120.6	6,168.9	6,046.8	22.7	23.8	-17.40	440.6	1,026.4	318.4	272.3	46.07	6.911	
6,300.0	6,220.6	6,266.9	6,141.8	23.1	24.3	-16.17	445.9	1,049.5	337.2	290.2	47.02	7.171	
6,400.0	6,320.5	6,364.5	6,236.5	23.4	24.8	-14.99	451.2	1,072.5	357.7	309.8	47.92	7.466	
6,489.7	6,410.2	6,451.7	6,321.1	23.5	25.2	59.00	456.0	1,093.0	377.7	329.1	48.59	7.773	
6,500.0	6,420.5	6,461.7	6,330.8	23.5	25.3	59.11	456.5	1,095.4	380.1	331.4	48.66	7.812	
6,600.0	6,520.5	6,558.7	6,425.0	23.5	25.7	60.17	461.8	1,118.2	403.2	353.9	49.31	8.178	
6,700.0	6,620.5	6,655.7	6,519.1	23.6	26.2	61.11	467.1	1,141.1	426.5	376.6	49.93	8.542	
6,800.0	6,720.5	6,752.7	6,613.3	23.6	26.7	61.95	472.4	1,164.0	449.9	399.3	50.54	8.902	
6,900.0	6,820.5	6,855.2	6,712.7	23.7	27.2	62.74	477.9	1,187.9	473.2	422.0	51.18	9.246	
7,000.0	6,920.5	6,972.1	6,827.0	23.7	27.7	63.46	483.4	1,211.9	493.6	441.8	51.86	9.518	
7,100.0	7,020.5	7,090.9	6,944.1	23.7	28.3	64.00	488.0	1,231.6	510.2	457.8	52.45	9.728	
7,200.0	7,120.5	7,211.3	7,063.4	23.8	28.8	64.38	491.5	1,246.8	522.8	469.9	52.92	9.878	
7,300.0	7,220.5	7,332.7	7,184.4	23.8	29.3	64.63	493.9	1,257.1	531.3	478.0	53.27	9.974	
7,400.0	7,320.5	7,454.9	7,306.4	23.8	29.7	64.75	495.1	1,262.4	535.7	482.2	53.44	10.023	
7,500.0	7,420.5	7,567.0	7,418.6	23.9	29.9	64.77	495.3	1,263.1	536.3	482.8	53.46	10.031	
7,600.0	7,520.5	7,667.0	7,518.6	23.9	29.9	64.77	495.3	1,263.1	536.3	482.7	53.53	10.018	
7,700.0	7,620.5	7,767.0	7,618.6	24.0	29.9	64.77	495.3	1,263.1	536.3	482.7	53.60	10.005	
7,800.0	7,720.5	7,867.0	7,718.6	24.0	29.9	64.77	495.3	1,263.1	536.3	482.6	53.67	9.993	
7,900.0	7,820.5	7,967.0	7,818.6	24.0	30.0	64.77	495.3	1,263.1	536.3	482.5	53.74	9.980	
8,000.0	7,920.5	8,067.0	7,918.6	24.1	30.0	64.77	495.3	1,263.1	536.3	482.5	53.81	9.967	
8,100.0	8,020.5	8,167.0	8,018.6	24.1	30.0	64.77	495.3	1,263.1	536.3	482.4	53.88	9.954	
8,200.0	8,120.5	8,267.0	8,118.6	24.2	30.1	64.77	495.3	1,263.1	536.3	482.3	53.95	9.941	
8,300.0	8,220.5	8,367.0	8,218.6	24.2	30.1	64.77	495.3	1,263.1	536.3	482.3	54.02	9.928	
8,400.0	8,320.5	8,467.0	8,318.6	24.2	30.1	64.77	495.3	1,263.1	536.3	482.2	54.09	9.914	
8,500.0	8,420.5	8,567.0	8,418.6	24.3	30.2	64.77	495.3	1,263.1	536.3	482.1	54.16	9.901	
8,600.0	8,520.5	8,667.0	8,518.6	24.3	30.2	64.77	495.3	1,263.1	536.3	482.0	54.23	9.888	
8,700.0	8,620.5	8,767.0	8,618.6	24.4	30.2	64.77	495.3	1,263.1	536.3	482.0	54.31	9.875	
8,800.0	8,720.5	8,867.0	8,718.6	24.4	30.3	64.77	495.3	1,263.1	536.3	481.9	54.38	9.862	
8,900.0	8,820.5	8,967.0	8,818.6	24.4	30.3	64.77	495.3	1,263.1	536.3	481.8	54.45	9.848	
9,000.0	8,920.5	9,067.0	8,918.6	24.5	30.3	64.77	495.3	1,263.1	536.3	481.7	54.53	9.835	
9,100.0	9,020.5	9,167.0	9,018.6	24.5	30.4	64.77	495.3	1,263.1	536.3	481.7	54.60	9.822	
9,200.0	9,120.5	9,267.0	9,118.6	24.6	30.4	64.77	495.3	1,263.1	536.3	481.6	54.68	9.808	
9,300.0	9,220.5	9,367.0	9,218.6	24.6	30.4	64.77	495.3	1,263.1	536.3	481.5	54.75	9.795	
9,400.0	9,320.5	9,467.0	9,318.6	24.6	30.5	64.77	495.3	1,263.1	536.3	481.4	54.83	9.781	
9,500.0	9,420.5	9,567.0	9,418.6	24.7	30.5	64.77	495.3	1,263.1	536.3	481.4	54.90	9.768	
9,600.0	9,520.5	9,667.0	9,518.6	24.7	30.5	64.77	495.3	1,263.1	536.3	481.3	54.98	9.754	
9,700.0	9,620.5	9,767.0	9,618.6	24.8	30.6	64.77	495.3	1,263.1	536.3	481.2	55.06	9.741	
9,800.0	9,720.5	9,867.0	9,718.6	24.8	30.6	64.77	495.3	1,263.1	536.3	481.1	55.13	9.727	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-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
9,900.0	9,820.5	9,967.0	9,818.6	24.9	30.6	64.77	495.3	1,263.1	536.3	481.1	55.21	9.714	
10,000.0	9,920.5	10,067.0	9,918.6	24.9	30.7	64.77	495.3	1,263.1	536.3	481.0	55.29	9.700	
10,100.0	10,020.5	10,167.0	10,018.6	24.9	30.7	64.77	495.3	1,263.1	536.3	480.9	55.36	9.686	
10,200.0	10,120.5	10,267.0	10,118.6	25.0	30.7	64.77	495.3	1,263.1	536.3	480.8	55.44	9.673	
10,300.0	10,220.5	10,367.0	10,218.6	25.0	30.8	64.77	495.3	1,263.1	536.3	480.8	55.52	9.659	
10,400.0	10,320.5	10,467.0	10,318.6	25.1	30.8	64.77	495.3	1,263.1	536.3	480.7	55.60	9.645	
10,500.0	10,420.5	10,567.0	10,418.6	25.1	30.8	64.77	495.3	1,263.1	536.3	480.6	55.68	9.631	
10,600.0	10,520.5	10,667.0	10,518.6	25.2	30.9	64.77	495.3	1,263.1	536.3	480.5	55.76	9.618	
10,700.0	10,620.5	10,767.0	10,618.6	25.2	30.9	64.77	495.3	1,263.1	536.3	480.4	55.84	9.604	
10,800.0	10,720.5	10,867.0	10,718.6	25.3	30.9	64.77	495.3	1,263.1	536.3	480.4	55.92	9.590	
10,900.0	10,820.5	10,967.0	10,818.6	25.3	31.0	64.77	495.3	1,263.1	536.3	480.3	56.00	9.576	
11,000.0	10,920.5	11,067.0	10,918.6	25.3	31.0	64.77	495.3	1,263.1	536.3	480.2	56.08	9.562	
11,100.0	11,020.5	11,167.0	11,018.6	25.4	31.0	64.77	495.3	1,263.1	536.3	480.1	56.16	9.549	
11,200.0	11,120.5	11,267.0	11,118.6	25.4	31.1	64.77	495.3	1,263.1	536.3	480.0	56.23	9.536	
11,300.0	11,220.5	11,341.9	11,193.3	25.5	31.1	64.44	498.6	1,263.1	538.3	481.7	56.62	9.508	
11,386.5	11,307.0	11,400.0	11,250.6	25.5	31.1	63.56	507.9	1,263.1	544.5	487.5	56.97	9.557	
11,400.0	11,320.5	11,411.4	11,261.7	25.5	31.1	-116.19	510.4	1,263.1	545.9	488.9	56.98	9.580	
11,450.0	11,370.4	11,450.0	11,299.0	25.5	31.1	-116.72	520.4	1,263.1	553.4	496.4	57.03	9.704	
11,500.0	11,419.8	11,474.2	11,322.0	25.5	31.1	-116.75	528.0	1,263.0	564.5	507.3	57.16	9.876	
11,550.0	11,468.3	11,500.0	11,346.1	25.5	31.1	-116.71	537.2	1,263.0	579.5	522.3	57.16	10.138	
11,600.0	11,515.6	11,524.5	11,368.7	25.6	31.1	-116.42	546.8	1,263.0	598.4	541.3	57.06	10.487	
11,650.0	11,561.3	11,550.0	11,391.6	25.6	31.1	-115.97	557.9	1,262.9	621.3	564.5	56.83	10.933	
11,700.0	11,605.1	11,550.0	11,391.6	25.6	31.1	-113.08	557.9	1,262.9	648.0	591.3	56.76	11.417	
11,750.0	11,646.6	11,573.5	11,412.3	25.6	31.1	-111.63	569.0	1,262.9	678.0	621.7	56.36	12.030	
11,800.0	11,685.6	11,583.2	11,420.7	25.6	31.1	-108.39	573.9	1,262.9	711.3	655.2	56.02	12.696	
11,850.0	11,721.6	11,600.0	11,435.1	25.6	31.1	-105.22	582.6	1,262.9	747.3	691.7	55.55	13.451	
11,900.0	11,754.5	11,600.0	11,435.1	25.7	31.1	-99.53	582.6	1,262.9	785.2	730.0	55.21	14.221	
11,950.0	11,784.0	11,600.0	11,435.1	25.7	31.1	-93.07	582.6	1,262.9	824.8	770.0	54.84	15.042	
12,000.0	11,809.8	11,600.0	11,435.1	25.7	31.1	-85.98	582.6	1,262.9	865.7	811.2	54.43	15.903	
12,050.0	11,831.9	11,600.0	11,435.1	25.8	31.1	-78.56	582.6	1,262.9	907.3	853.3	54.02	16.796	
12,100.0	11,849.9	11,600.0	11,435.1	25.8	31.1	-71.12	582.6	1,262.9	949.2	895.6	53.59	17.713	
12,150.0	11,863.8	11,600.0	11,435.1	25.9	31.1	-63.99	582.6	1,262.9	991.2	938.1	53.15	18.649	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11509-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	16.45	199.7	59.0	208.2				
100.0	100.0	98.0	98.0	3.0	3.0	16.45	199.7	59.0	208.2	201.7	6.52	31.934	
200.0	200.0	198.0	198.0	3.2	3.2	16.45	199.7	59.0	208.2	201.5	6.77	30.767	
300.0	300.0	298.0	298.0	3.3	3.3	16.45	199.7	59.0	208.2	201.2	7.01	29.686	
400.0	400.0	398.0	398.0	3.4	3.4	16.45	199.7	59.0	208.2	201.0	7.26	28.689	
500.0	500.0	498.0	498.0	3.5	3.5	16.45	199.7	59.0	208.2	200.7	7.50	27.765	
600.0	600.0	598.0	598.0	3.7	3.7	16.45	199.7	59.0	208.2	200.5	7.74	26.904	
700.0	700.0	698.0	698.0	3.8	3.8	16.45	199.7	59.0	208.2	200.2	7.98	26.102	
800.0	800.0	798.0	798.0	3.9	3.9	16.45	199.7	59.0	208.2	200.0	8.21	25.350	
900.0	900.0	898.0	898.0	4.0	4.0	16.45	199.7	59.0	208.2	199.8	8.45	24.645	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	16.45	199.7	59.0	208.2	199.5	8.68	23.981	CC, ES
1,100.0	1,100.0	1,095.0	1,095.0	4.3	4.3	16.85	199.9	60.5	208.9	200.0	8.92	23.415	
1,200.0	1,200.0	1,191.7	1,191.6	4.4	4.4	18.03	200.7	65.3	211.2	202.0	9.15	23.066	
1,300.0	1,300.0	1,288.0	1,287.5	4.5	4.6	19.94	202.0	73.3	215.1	205.7	9.39	22.917	
1,400.0	1,400.0	1,383.7	1,382.5	4.6	4.8	22.49	203.7	84.3	221.0	211.4	9.62	22.976	
1,500.0	1,500.0	1,478.4	1,476.2	4.8	5.0	25.53	205.9	98.3	229.2	219.4	9.86	23.257	
1,600.0	1,600.0	1,572.4	1,568.6	4.9	5.2	-16.12	208.6	115.3	238.9	228.8	10.11	23.637	
1,700.0	1,699.9	1,665.5	1,659.6	5.1	5.5	-12.66	211.7	135.0	249.0	238.5	10.47	23.770	
1,800.0	1,799.7	1,758.4	1,749.5	5.3	5.7	-9.11	215.3	157.5	259.7	248.8	10.82	23.987	
1,900.0	1,899.3	1,856.5	1,844.3	5.5	5.8	-5.54	219.3	182.6	269.8	258.5	11.26	23.957	
2,000.0	1,998.6	1,954.9	1,939.3	5.7	6.1	-2.26	223.3	207.8	278.3	266.5	11.78	23.617	
2,033.3	2,031.6	1,987.7	1,971.1	5.8	6.2	-1.22	224.6	216.2	280.7	268.8	11.93	23.539	
2,100.0	2,097.6	2,053.5	2,034.7	5.9	6.4	-7.21	227.2	233.0	285.3	273.0	12.26	23.268	
2,200.0	2,196.3	2,152.7	2,130.4	6.2	6.7	-14.55	231.3	258.3	291.3	278.4	12.86	22.642	
2,300.0	2,294.6	2,252.3	2,226.6	6.5	7.0	-20.26	235.3	283.8	296.0	282.5	13.52	21.893	
2,342.6	2,336.3	2,294.8	2,267.7	6.6	7.2	-22.32	237.0	294.7	297.5	283.7	13.77	21.609	
2,400.0	2,392.4	2,352.0	2,323.0	6.8	7.4	-21.75	239.3	309.3	299.4	285.3	14.12	21.198	
2,500.0	2,490.2	2,451.9	2,419.4	7.1	7.7	-20.77	243.4	334.8	302.7	287.9	14.82	20.422	
2,600.0	2,588.1	2,551.7	2,515.8	7.4	8.1	-19.81	247.4	360.3	306.2	290.6	15.56	19.683	
2,700.0	2,685.9	2,651.5	2,612.2	7.8	8.5	-18.87	251.5	385.8	309.7	293.4	16.31	18.983	
2,800.0	2,783.7	2,751.3	2,708.6	8.2	8.9	-17.95	255.5	411.4	313.3	296.2	17.10	18.323	
2,900.0	2,881.5	2,851.1	2,805.0	8.5	9.3	-17.06	259.5	436.9	317.0	299.1	17.90	17.704	
3,000.0	2,979.3	2,950.9	2,901.5	8.9	9.7	-16.18	263.6	462.4	320.7	302.0	18.73	17.125	
3,100.0	3,077.1	3,050.7	2,997.9	9.3	10.1	-15.33	267.6	487.9	324.5	305.0	19.57	16.583	
3,200.0	3,174.9	3,150.5	3,094.3	9.7	10.6	-14.49	271.7	513.4	328.4	308.0	20.43	16.078	
3,300.0	3,272.8	3,250.3	3,190.7	10.1	11.0	-13.68	275.7	538.9	332.4	311.1	21.30	15.606	
3,400.0	3,370.6	3,350.2	3,287.1	10.6	11.5	-12.88	279.7	564.4	336.4	314.3	22.18	15.167	
3,500.0	3,468.4	3,450.0	3,383.5	11.0	11.9	-12.10	283.8	590.0	340.5	317.5	23.08	14.757	
3,600.0	3,566.2	3,549.8	3,479.9	11.4	12.3	-11.34	287.8	615.5	344.7	320.7	23.98	14.375	
3,700.0	3,664.0	3,649.6	3,576.3	11.8	12.8	-10.60	291.9	641.0	348.9	324.0	24.89	14.018	
3,800.0	3,761.8	3,749.4	3,672.7	12.3	13.3	-9.88	295.9	666.5	353.2	327.4	25.81	13.684	
3,900.0	3,859.6	3,849.2	3,769.1	12.7	13.7	-9.18	300.0	692.0	357.5	330.8	26.73	13.373	
4,000.0	3,957.5	3,949.0	3,865.5	13.1	14.2	-8.49	304.0	717.5	361.9	334.2	27.66	13.081	
4,100.0	4,055.3	4,048.8	3,962.0	13.6	14.6	-7.82	308.0	743.0	366.3	337.7	28.60	12.809	
4,200.0	4,153.1	4,148.6	4,058.4	14.0	15.1	-7.16	312.1	768.6	370.8	341.3	29.54	12.553	
4,300.0	4,250.9	4,248.4	4,154.8	14.5	15.6	-6.52	316.1	794.1	375.3	344.8	30.48	12.313	
4,400.0	4,348.7	4,348.3	4,251.2	14.9	16.1	-5.90	320.2	819.6	379.9	348.5	31.43	12.088	
4,500.0	4,446.5	4,448.1	4,347.6	15.4	16.5	-5.29	324.2	845.1	384.5	352.1	32.38	11.876	
4,600.0	4,544.4	4,547.9	4,444.0	15.8	17.0	-4.69	328.2	870.6	389.2	355.8	33.33	11.677	
4,700.0	4,642.2	4,647.7	4,540.4	16.3	17.5	-4.11	332.3	896.1	393.9	359.6	34.28	11.489	
4,800.0	4,740.0	4,747.5	4,636.8	16.7	17.9	-3.54	336.3	921.7	398.6	363.4	35.24	11.312	
4,900.0	4,837.8	4,847.3	4,733.2	17.2	18.4	-2.99	340.4	947.2	403.4	367.2	36.19	11.145	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11509-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)			
5,000.0	4,935.6	4,947.1	4,829.6	17.6	18.9	-2.45	344.4	972.7	408.2	371.0	37.15	10.988	
5,100.0	5,033.4	5,046.9	4,926.1	18.1	19.4	-1.92	348.4	998.2	413.0	374.9	38.11	10.839	
5,200.0	5,131.2	5,146.7	5,022.5	18.6	19.9	-1.40	352.5	1,023.7	417.9	378.9	39.07	10.698	
5,289.7	5,219.0	5,236.3	5,109.0	19.0	20.3	-0.95	356.1	1,046.6	422.3	382.4	39.92	10.579	
5,300.0	5,229.1	5,246.6	5,118.9	19.0	20.3	-0.90	356.5	1,049.2	422.9	382.8	40.02	10.567	
5,400.0	5,327.1	5,346.3	5,215.2	19.5	20.8	-0.41	360.6	1,074.7	428.9	387.9	40.99	10.462	
5,500.0	5,425.4	5,445.9	5,311.5	19.9	21.3	0.07	364.6	1,100.2	436.6	394.7	41.94	10.412	
5,600.0	5,524.1	5,545.4	5,407.5	20.4	21.8	0.54	368.6	1,125.6	446.2	403.3	42.87	10.408 SF	
5,700.0	5,623.0	5,644.7	5,503.5	20.8	22.3	0.97	372.7	1,151.0	457.5	413.7	43.79	10.448	
5,800.0	5,722.2	5,743.8	5,599.2	21.2	22.8	1.39	376.7	1,176.3	470.5	425.8	44.69	10.529	
5,900.0	5,821.6	5,842.6	5,694.7	21.6	23.2	1.78	380.7	1,201.6	485.3	439.8	45.58	10.648	
6,000.0	5,921.1	5,941.2	5,789.9	22.0	23.7	2.13	384.7	1,226.8	501.9	455.4	46.45	10.804	
6,100.0	6,020.8	6,039.5	5,884.8	22.4	24.2	2.46	388.6	1,251.9	520.2	472.9	47.31	10.996	
6,200.0	6,120.6	6,137.4	5,979.4	22.7	24.7	2.76	392.6	1,277.0	540.2	492.1	48.14	11.222	
6,300.0	6,220.6	6,235.0	6,073.6	23.1	25.1	3.04	396.6	1,301.9	561.9	513.0	48.94	11.481	
6,400.0	6,320.5	6,332.2	6,167.5	23.4	25.6	3.28	400.5	1,326.8	585.4	535.6	49.71	11.775	
6,489.7	6,410.2	6,419.0	6,251.4	23.5	26.0	76.48	404.0	1,349.0	607.8	557.5	50.28	12.088	
6,500.0	6,420.5	6,429.0	6,261.0	23.5	26.1	76.50	404.4	1,351.5	610.5	560.1	50.34	12.128	
6,600.0	6,520.5	6,525.6	6,354.3	23.5	26.6	76.68	408.3	1,376.2	636.3	585.4	50.90	12.502	
6,700.0	6,620.5	6,622.2	6,447.6	23.6	27.0	76.85	412.2	1,400.9	662.1	610.7	51.44	12.871	
6,800.0	6,720.5	6,718.7	6,540.9	23.6	27.5	77.00	416.1	1,425.6	687.9	635.9	51.99	13.231	
6,900.0	6,820.5	6,815.3	6,634.2	23.7	28.0	77.15	420.0	1,450.3	713.8	661.2	52.55	13.583	
7,000.0	6,920.5	6,911.9	6,727.5	23.7	28.5	77.28	424.0	1,475.0	739.6	686.5	53.10	13.927	
7,100.0	7,020.5	7,008.5	6,820.8	23.7	28.9	77.41	427.9	1,499.6	765.4	711.8	53.67	14.263	
7,200.0	7,120.5	7,105.1	6,914.1	23.8	29.4	77.53	431.8	1,524.3	791.3	737.0	54.23	14.591	
7,300.0	7,220.5	7,204.8	7,010.4	23.8	29.9	77.64	435.8	1,549.8	817.1	762.3	54.82	14.905	
7,400.0	7,320.5	7,341.5	7,143.4	23.8	30.6	77.77	440.8	1,581.1	840.3	784.6	55.65	15.100	
7,500.0	7,420.5	7,481.2	7,280.6	23.9	31.3	77.87	444.8	1,606.6	858.7	802.4	56.32	15.247	
7,600.0	7,520.5	7,623.1	7,421.1	23.9	31.9	77.94	447.8	1,625.7	872.3	815.5	56.84	15.347	
7,700.0	7,620.5	7,766.5	7,564.1	24.0	32.5	77.98	449.8	1,638.1	881.0	823.8	57.18	15.408	
7,800.0	7,720.5	7,910.9	7,708.3	24.0	32.9	78.00	450.6	1,643.3	884.7	827.4	57.27	15.447	
7,900.0	7,820.5	8,021.1	7,818.5	24.0	33.0	78.00	450.7	1,643.5	884.8	827.6	57.25	15.457	
8,000.0	7,920.5	8,121.1	7,918.5	24.1	33.0	78.00	450.7	1,643.5	884.8	827.5	57.30	15.441	
8,100.0	8,020.5	8,221.1	8,018.5	24.1	33.0	78.00	450.7	1,643.5	884.8	827.5	57.36	15.425	
8,200.0	8,120.5	8,321.1	8,118.5	24.2	33.0	78.00	450.7	1,643.5	884.8	827.4	57.42	15.408	
8,300.0	8,220.5	8,421.1	8,218.5	24.2	33.1	78.00	450.7	1,643.5	884.8	827.3	57.49	15.392	
8,400.0	8,320.5	8,521.1	8,318.5	24.2	33.1	78.00	450.7	1,643.5	884.8	827.3	57.55	15.376	
8,500.0	8,420.5	8,621.1	8,418.5	24.3	33.1	78.00	450.7	1,643.5	884.8	827.2	57.61	15.359	
8,600.0	8,520.5	8,721.1	8,518.5	24.3	33.1	78.00	450.7	1,643.5	884.8	827.2	57.67	15.343	
8,700.0	8,620.5	8,821.1	8,618.5	24.4	33.2	78.00	450.7	1,643.5	884.8	827.1	57.73	15.326	
8,800.0	8,720.5	8,921.1	8,718.5	24.4	33.2	78.00	450.7	1,643.5	884.8	827.0	57.79	15.310	
8,900.0	8,820.5	9,021.1	8,818.5	24.4	33.2	78.00	450.7	1,643.5	884.8	827.0	57.86	15.293	
9,000.0	8,920.5	9,121.1	8,918.5	24.5	33.2	78.00	450.7	1,643.5	884.8	826.9	57.92	15.276	
9,100.0	9,020.5	9,221.1	9,018.5	24.5	33.3	78.00	450.7	1,643.5	884.8	826.8	57.99	15.260	
9,200.0	9,120.5	9,321.1	9,118.5	24.6	33.3	78.00	450.7	1,643.5	884.8	826.8	58.05	15.243	
9,300.0	9,220.5	9,421.1	9,218.5	24.6	33.3	78.00	450.7	1,643.5	884.8	826.7	58.11	15.226	
9,400.0	9,320.5	9,521.1	9,318.5	24.6	33.4	78.00	450.7	1,643.5	884.8	826.6	58.18	15.209	
9,500.0	9,420.5	9,621.1	9,418.5	24.7	33.4	78.00	450.7	1,643.5	884.8	826.6	58.24	15.192	
9,600.0	9,520.5	9,721.1	9,518.5	24.7	33.4	78.00	450.7	1,643.5	884.8	826.5	58.31	15.175	
9,700.0	9,620.5	9,821.1	9,618.5	24.8	33.4	78.00	450.7	1,643.5	884.8	826.4	58.38	15.157	
9,800.0	9,720.5	9,921.1	9,718.5	24.8	33.5	78.00	450.7	1,643.5	884.8	826.4	58.44	15.140	
9,900.0	9,820.5	10,021.1	9,818.5	24.9	33.5	78.00	450.7	1,643.5	884.8	826.3	58.51	15.123	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11509-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)				
10,000.0	9,920.5	10,121.1	9,918.5	24.9	33.5	78.00	450.7	1,643.5	884.8	826.2	58.58	15.106		
10,100.0	10,020.5	10,221.1	10,018.5	24.9	33.5	78.00	450.7	1,643.5	884.8	826.2	58.64	15.088		
10,200.0	10,120.5	10,321.1	10,118.5	25.0	33.6	78.00	450.7	1,643.5	884.8	826.1	58.71	15.071		
10,300.0	10,220.5	10,421.1	10,218.5	25.0	33.6	78.00	450.7	1,643.5	884.8	826.0	58.78	15.053		
10,400.0	10,320.5	10,521.1	10,318.5	25.1	33.6	78.00	450.7	1,643.5	884.8	826.0	58.85	15.036		
10,500.0	10,420.5	10,621.1	10,418.5	25.1	33.7	78.00	450.7	1,643.5	884.8	825.9	58.92	15.018		
10,600.0	10,520.5	10,721.1	10,518.5	25.2	33.7	78.00	450.7	1,643.5	884.8	825.8	58.99	15.000		
10,700.0	10,620.5	10,821.1	10,618.5	25.2	33.7	78.00	450.7	1,643.5	884.8	825.8	59.06	14.983		
10,800.0	10,720.5	10,921.1	10,718.5	25.3	33.7	78.00	450.7	1,643.5	884.8	825.7	59.13	14.965		
10,900.0	10,820.5	11,021.1	10,818.5	25.3	33.8	78.00	450.7	1,643.5	884.8	825.6	59.20	14.947		
11,000.0	10,920.5	11,121.1	10,918.5	25.3	33.8	78.00	450.7	1,643.5	884.8	825.6	59.27	14.929		
11,100.0	11,020.5	11,221.1	11,018.5	25.4	33.8	78.00	450.7	1,643.5	884.8	825.5	59.34	14.911		
11,200.0	11,120.5	11,321.1	11,118.5	25.4	33.9	78.00	450.7	1,643.5	884.8	825.4	59.41	14.893		
11,300.0	11,220.5	11,421.1	11,218.5	25.5	33.9	78.00	450.7	1,643.5	884.8	825.3	59.48	14.876		
11,386.5	11,307.0	11,507.6	11,305.1	25.5	33.9	78.00	450.7	1,643.5	884.8	825.3	59.53	14.863		
11,400.0	11,320.5	11,517.6	11,315.1	25.5	33.9	-101.64	450.7	1,643.5	884.9	825.3	59.57	14.853		
11,450.0	11,370.4	11,550.0	11,347.4	25.5	33.9	-101.73	452.1	1,643.5	886.2	826.4	59.78	14.823		
11,500.0	11,419.8	11,587.6	11,384.8	25.5	33.9	-102.03	456.1	1,643.7	889.2	829.3	59.93	14.837		
11,550.0	11,468.3	11,619.5	11,416.3	25.5	33.9	-102.34	461.3	1,643.9	894.2	834.1	60.12	14.873		
11,600.0	11,515.6	11,650.0	11,446.0	25.6	33.9	-102.63	468.0	1,644.2	901.3	841.1	60.29	14.950		
11,650.0	11,561.3	11,673.8	11,469.0	25.6	33.9	-102.62	474.3	1,644.5	910.9	850.4	60.47	15.064		
11,700.0	11,605.1	11,700.0	11,493.9	25.6	33.9	-102.60	482.3	1,644.9	923.1	862.5	60.56	15.241		
11,750.0	11,646.6	11,713.6	11,506.7	25.6	33.9	-101.77	486.9	1,645.1	937.9	877.2	60.68	15.456		
11,800.0	11,685.6	11,728.0	11,520.1	25.6	33.9	-100.71	492.1	1,645.3	955.5	894.8	60.71	15.738		
11,850.0	11,721.6	11,750.0	11,540.3	25.6	34.0	-99.82	500.7	1,645.7	975.9	915.3	60.59	16.105		
11,900.0	11,754.5	11,750.0	11,540.3	25.7	34.0	-97.30	500.7	1,645.7	998.6	938.0	60.57	16.488		

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-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	0.9	0.9	3.0	3.0	-89.67	0.5	-90.0	90.0				
100.0	100.0	100.9	100.9	3.0	3.0	-89.67	0.5	-90.0	90.0	83.5	6.52	13.799	
200.0	200.0	200.9	200.9	3.2	3.2	-89.67	0.5	-90.0	90.0	83.2	6.76	13.308	
300.0	300.0	300.9	300.9	3.3	3.3	-89.67	0.5	-90.0	90.0	83.0	6.99	12.868	
400.0	400.0	400.9	400.9	3.4	3.4	-89.67	0.5	-90.0	90.0	82.8	7.22	12.470	
500.0	500.0	500.9	500.9	3.5	3.5	-89.67	0.5	-90.0	90.0	82.5	7.43	12.108	
600.0	600.0	600.9	600.9	3.7	3.7	-89.67	0.5	-90.0	90.0	82.3	7.64	11.776	
700.0	700.0	700.9	700.9	3.8	3.8	-89.67	0.5	-90.0	90.0	82.1	7.84	11.470	
800.0	800.0	800.9	800.9	3.9	3.9	-89.67	0.5	-90.0	90.0	81.9	8.04	11.188	
900.0	900.0	900.9	900.9	4.0	4.0	-89.67	0.5	-90.0	90.0	81.7	8.24	10.926	
1,000.0	1,000.0	1,000.9	1,000.9	4.2	4.2	-89.67	0.5	-90.0	90.0	81.6	8.42	10.682	
1,100.0	1,100.0	1,100.9	1,100.9	4.3	4.3	-89.67	0.5	-90.0	90.0	81.4	8.61	10.454	
1,200.0	1,200.0	1,200.9	1,200.9	4.4	4.4	-89.67	0.5	-90.0	90.0	81.2	8.79	10.240	
1,300.0	1,300.0	1,300.9	1,300.9	4.5	4.5	-89.67	0.5	-90.0	90.0	81.0	8.96	10.039	
1,400.0	1,400.0	1,400.9	1,400.9	4.6	4.6	-89.67	0.5	-90.0	90.0	80.8	9.14	9.849	
1,466.4	1,466.4	1,467.2	1,467.2	4.7	4.7	-89.67	0.5	-90.0	90.0	80.7	9.25	9.730 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-89.67	0.5	-90.0	90.0	80.7	9.30	9.672 ES	
1,600.0	1,600.0	1,598.3	1,598.3	4.9	4.9	-134.60	1.5	-91.3	92.3	82.8	9.56	9.659 SF	
1,700.0	1,699.9	1,695.4	1,695.3	5.1	5.1	-134.42	4.4	-95.4	99.2	89.3	9.96	9.958	
1,800.0	1,799.7	1,791.9	1,791.4	5.3	5.3	-134.16	9.3	-102.0	110.7	100.3	10.38	10.662	
1,900.0	1,899.3	1,888.7	1,887.6	5.5	5.5	-133.93	15.8	-111.1	126.5	115.8	10.70	11.821	
2,000.0	1,998.6	1,987.1	1,985.2	5.7	5.7	-134.31	22.9	-120.8	144.6	133.5	11.11	13.012	
2,033.3	2,031.6	2,019.8	2,017.6	5.8	5.8	-134.56	25.2	-124.0	151.0	139.8	11.22	13.458	
2,100.0	2,097.6	2,085.0	2,082.3	5.9	6.0	-143.17	29.9	-130.4	164.8	153.3	11.48	14.353	
2,200.0	2,196.3	2,182.2	2,178.8	6.2	6.2	-153.37	36.9	-140.0	188.2	176.2	11.97	15.720	
2,300.0	2,294.6	2,278.6	2,274.5	6.5	6.5	-160.85	43.8	-149.5	214.7	202.2	12.50	17.177	
2,342.6	2,336.3	2,319.4	2,315.1	6.6	6.6	-163.40	46.7	-153.5	227.0	214.3	12.70	17.875	
2,400.0	2,392.4	2,374.2	2,369.5	6.8	6.8	-163.21	50.6	-158.9	243.8	230.9	12.97	18.795	
2,500.0	2,490.2	2,469.8	2,464.3	7.1	7.1	-162.94	57.5	-168.4	273.3	259.8	13.53	20.203	
2,600.0	2,588.1	2,565.4	2,559.2	7.4	7.4	-162.72	64.3	-177.8	302.7	288.6	14.10	21.467	
2,700.0	2,685.9	2,660.9	2,654.0	7.8	7.7	-162.55	71.2	-187.2	332.2	317.5	14.70	22.602	
2,800.0	2,783.7	2,756.5	2,748.9	8.2	8.0	-162.40	78.0	-196.6	361.6	346.3	15.31	23.623	
2,900.0	2,881.5	2,852.0	2,843.7	8.5	8.4	-162.27	84.9	-206.1	391.1	375.1	15.94	24.542	
3,000.0	2,979.3	2,947.6	2,938.6	8.9	8.7	-162.16	91.7	-215.5	420.5	404.0	16.58	25.372	
3,100.0	3,077.1	3,043.2	3,033.4	9.3	9.0	-162.06	98.5	-224.9	450.0	432.8	17.23	26.122	
3,200.0	3,174.9	3,138.7	3,128.3	9.7	9.4	-161.98	105.4	-234.3	479.5	461.6	17.89	26.801	
3,300.0	3,272.8	3,234.3	3,223.1	10.1	9.7	-161.91	112.2	-243.7	508.9	490.3	18.56	27.419	
3,400.0	3,370.6	3,329.9	3,318.0	10.6	10.1	-161.84	119.1	-253.2	538.4	519.1	19.24	27.981	
3,500.0	3,468.4	3,425.4	3,412.8	11.0	10.5	-161.78	125.9	-262.6	567.8	547.9	19.93	28.494	
3,600.0	3,566.2	3,521.0	3,507.6	11.4	10.8	-161.73	132.8	-272.0	597.3	576.7	20.62	28.963	
3,700.0	3,664.0	3,616.5	3,602.5	11.8	11.2	-161.68	139.6	-281.4	626.7	605.4	21.32	29.394	
3,800.0	3,761.8	3,712.1	3,697.3	12.3	11.6	-161.64	146.5	-290.8	656.2	634.2	22.03	29.789	
3,900.0	3,859.6	3,807.7	3,792.2	12.7	11.9	-161.60	153.3	-300.3	685.7	662.9	22.74	30.154	
4,000.0	3,957.5	3,903.2	3,887.0	13.1	12.3	-161.56	160.1	-309.7	715.1	691.7	23.45	30.491	
4,100.0	4,055.3	3,998.8	3,981.9	13.6	12.7	-161.53	167.0	-319.1	744.6	720.4	24.17	30.802	
4,200.0	4,153.1	4,094.3	4,076.7	14.0	13.0	-161.50	173.8	-328.5	774.1	749.2	24.90	31.091	
4,300.0	4,250.9	4,189.9	4,171.6	14.5	13.4	-161.47	180.7	-338.0	803.5	777.9	25.62	31.359	
4,400.0	4,348.7	4,285.5	4,266.4	14.9	13.8	-161.44	187.5	-347.4	833.0	806.6	26.35	31.609	
4,500.0	4,446.5	4,381.0	4,361.3	15.4	14.2	-161.42	194.4	-356.8	862.4	835.4	27.09	31.842	
4,600.0	4,544.4	4,476.6	4,456.1	15.8	14.6	-161.39	201.2	-366.2	891.9	864.1	27.82	32.059	
4,700.0	4,642.2	4,572.1	4,551.0	16.3	14.9	-161.37	208.1	-375.6	921.4	892.8	28.56	32.262	
4,800.0	4,740.0	4,667.7	4,645.8	16.7	15.3	-161.35	214.9	-385.1	950.8	921.5	29.30	32.453	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,900.0	4,837.8	4,763.3	4,740.7	17.2	15.7	-161.33	221.8	-394.5	980.3	950.2	30.04	32.632		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-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	-89.67	0.3	-60.1	60.1				
100.0	100.0	100.0	100.0	3.0	3.0	-89.67	0.3	-60.1	60.1	53.6	6.52	9.213	
200.0	200.0	200.0	200.0	3.2	3.2	-89.67	0.3	-60.1	60.1	53.3	6.76	8.886	
300.0	300.0	300.0	300.0	3.3	3.3	-89.67	0.3	-60.1	60.1	53.1	6.99	8.592	
400.0	400.0	400.0	400.0	3.4	3.4	-89.67	0.3	-60.1	60.1	52.9	7.21	8.326	
500.0	500.0	500.0	500.0	3.5	3.5	-89.67	0.3	-60.1	60.1	52.6	7.43	8.084	
600.0	600.0	600.0	600.0	3.7	3.7	-89.67	0.3	-60.1	60.1	52.4	7.64	7.862	
700.0	700.0	700.0	700.0	3.8	3.8	-89.67	0.3	-60.1	60.1	52.2	7.84	7.658	
800.0	800.0	800.0	800.0	3.9	3.9	-89.67	0.3	-60.1	60.1	52.0	8.04	7.470	
900.0	900.0	900.0	900.0	4.0	4.0	-89.67	0.3	-60.1	60.1	51.8	8.23	7.295	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-89.67	0.3	-60.1	60.1	51.6	8.42	7.132	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-89.67	0.3	-60.1	60.1	51.5	8.61	6.979	
1,200.0	1,200.0	1,200.0	1,200.0	4.4	4.4	-89.67	0.3	-60.1	60.1	51.3	8.79	6.837	
1,300.0	1,300.0	1,300.0	1,300.0	4.5	4.5	-89.67	0.3	-60.1	60.1	51.1	8.96	6.702	
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	-89.67	0.3	-60.1	60.1	50.9	9.13	6.576	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-89.67	0.3	-60.1	60.1	50.8	9.30	6.457 CC, ES	
1,600.0	1,600.0	1,599.8	1,599.8	4.9	5.0	-133.90	2.1	-60.1	61.1	51.6	9.49	6.437	
1,700.0	1,699.9	1,699.6	1,699.4	5.1	5.2	-131.73	7.3	-60.3	64.2	54.3	9.83	6.526	
1,800.0	1,799.7	1,799.1	1,798.6	5.3	5.5	-128.57	15.9	-60.7	69.4	59.3	10.17	6.827	
1,900.0	1,899.3	1,898.2	1,897.0	5.5	5.8	-124.87	28.0	-61.2	77.1	66.6	10.52	7.332	
2,000.0	1,998.6	1,997.7	1,995.4	5.7	6.0	-122.13	41.8	-61.7	86.9	76.1	10.87	7.996	
2,033.3	2,031.6	2,030.8	2,028.2	5.8	6.1	-121.65	46.4	-61.9	90.5	79.6	10.95	8.266	
2,100.0	2,097.6	2,097.0	2,093.8	5.9	6.3	-128.98	55.6	-62.3	98.7	87.5	11.16	8.844	
2,200.0	2,196.3	2,195.8	2,191.6	6.2	6.5	-137.74	69.3	-62.8	113.7	102.2	11.55	9.844	
2,300.0	2,294.6	2,294.1	2,288.9	6.5	6.8	-144.30	83.0	-63.4	132.3	120.3	11.98	11.046	
2,342.6	2,336.3	2,335.7	2,330.2	6.6	6.9	-146.57	88.8	-63.6	141.2	129.1	12.12	11.653	
2,400.0	2,392.4	2,391.7	2,385.6	6.8	7.1	-146.18	96.6	-63.9	153.7	141.4	12.32	12.471	
2,500.0	2,490.2	2,489.3	2,482.3	7.1	7.4	-145.64	110.2	-64.5	175.4	162.7	12.75	13.758	
2,600.0	2,588.1	2,586.9	2,578.9	7.4	7.7	-145.23	123.7	-65.0	197.2	184.0	13.19	14.946	
2,700.0	2,685.9	2,684.5	2,675.6	7.8	8.1	-144.89	137.3	-65.6	218.9	205.3	13.65	16.042	
2,800.0	2,783.7	2,782.1	2,772.2	8.2	8.4	-144.61	150.9	-66.1	240.7	226.6	14.12	17.052	
2,900.0	2,881.5	2,879.7	2,868.9	8.5	8.7	-144.38	164.4	-66.7	262.5	247.9	14.60	17.983	
3,000.0	2,979.3	2,977.3	2,965.5	8.9	9.1	-144.19	178.0	-67.2	284.2	269.2	15.08	18.843	
3,100.0	3,077.1	3,074.9	3,062.2	9.3	9.4	-144.02	191.6	-67.8	306.0	290.4	15.58	19.636	
3,200.0	3,174.9	3,172.5	3,158.8	9.7	9.8	-143.88	205.2	-68.3	327.8	311.7	16.09	20.370	
3,300.0	3,272.8	3,270.1	3,255.5	10.1	10.2	-143.75	218.7	-68.8	349.6	333.0	16.61	21.050	
3,400.0	3,370.6	3,367.7	3,352.2	10.6	10.5	-143.64	232.3	-69.4	371.3	354.2	17.10	21.712	
3,500.0	3,468.4	3,467.8	3,451.4	11.0	10.9	-143.66	245.3	-69.9	392.8	375.2	17.62	22.288	
3,600.0	3,566.2	3,568.1	3,551.0	11.4	11.3	-143.92	256.6	-70.4	413.7	395.5	18.17	22.764	
3,700.0	3,664.0	3,668.5	3,651.0	11.8	11.6	-144.37	266.2	-70.7	433.9	415.2	18.73	23.173	
3,800.0	3,761.8	3,769.1	3,751.3	12.3	12.0	-145.00	274.0	-71.1	453.7	434.4	19.29	23.522	
3,900.0	3,859.6	3,869.8	3,851.7	12.7	12.3	-145.77	280.1	-71.3	472.9	453.0	19.85	23.817	
4,000.0	3,957.5	3,970.4	3,952.3	13.1	12.6	-146.69	284.4	-71.5	491.6	471.2	20.43	24.064	
4,100.0	4,055.3	4,070.9	4,052.8	13.6	12.9	-147.72	286.9	-71.6	509.9	488.9	21.01	24.269	
4,200.0	4,153.1	4,171.2	4,153.1	14.0	13.1	-148.87	287.7	-71.6	527.9	506.4	21.58	24.467	
4,300.0	4,250.9	4,269.0	4,250.9	14.5	13.1	-149.99	287.7	-71.6	545.9	523.8	22.15	24.650	
4,400.0	4,348.7	4,366.8	4,348.7	14.9	13.2	-151.04	287.7	-71.6	564.1	541.4	22.75	24.802	
4,500.0	4,446.5	4,464.7	4,446.5	15.4	13.3	-152.03	287.7	-71.6	582.5	559.2	23.35	24.943	
4,600.0	4,544.4	4,562.5	4,544.3	15.8	13.3	-152.95	287.7	-71.6	601.0	577.1	23.97	25.072	
4,700.0	4,642.2	4,660.3	4,642.1	16.3	13.4	-153.82	287.7	-71.6	619.7	595.1	24.60	25.193	
4,800.0	4,740.0	4,758.1	4,739.9	16.7	13.5	-154.64	287.7	-71.6	638.5	613.3	25.23	25.306	
4,900.0	4,837.8	4,855.9	4,837.8	17.2	13.5	-155.42	287.7	-71.6	657.4	631.6	25.87	25.412	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
5,000.0	4,935.6	4,953.7	4,935.6	17.6	13.6	-156.15	287.7	-71.6	676.5	650.0	26.51	25.513	
5,100.0	5,033.4	5,051.5	5,033.4	18.1	13.7	-156.84	287.7	-71.6	695.6	668.4	27.16	25.608	
5,200.0	5,131.2	5,149.4	5,131.2	18.6	13.7	-157.49	287.7	-71.6	714.8	687.0	27.81	25.699	
5,289.7	5,219.0	5,237.1	5,219.0	19.0	13.8	-158.05	287.7	-71.6	732.1	703.7	28.40	25.783	
5,300.0	5,229.1	5,247.2	5,229.0	19.0	13.8	-158.12	287.7	-71.6	734.1	705.7	28.46	25.796	
5,400.0	5,327.1	5,345.2	5,327.0	19.5	13.9	-158.75	287.7	-71.6	752.5	723.4	29.14	25.828	
5,500.0	5,425.4	5,443.6	5,425.4	19.9	14.0	-159.29	287.7	-71.6	769.4	739.7	29.77	25.844	
5,600.0	5,524.1	5,542.2	5,524.1	20.4	14.0	-159.77	287.7	-71.6	784.8	754.4	30.39	25.820	
5,700.0	5,623.0	5,641.1	5,623.0	20.8	14.1	-160.18	287.7	-71.6	798.5	767.5	31.00	25.758	
5,800.0	5,722.2	5,740.3	5,722.2	21.2	14.2	-160.52	287.7	-71.6	810.6	779.0	31.59	25.661	
5,900.0	5,821.6	5,839.7	5,821.5	21.6	14.2	-160.82	287.7	-71.6	821.2	789.0	32.16	25.533	
6,000.0	5,921.1	5,939.2	5,921.1	22.0	14.3	-161.06	287.7	-71.6	830.0	797.3	32.71	25.376	
6,100.0	6,020.8	6,038.9	6,020.8	22.4	14.4	-161.25	287.7	-71.6	837.3	804.1	33.23	25.194	
6,200.0	6,120.6	6,138.8	6,120.6	22.7	14.5	-161.40	287.7	-71.6	842.9	809.2	33.73	24.990	
6,300.0	6,220.6	6,238.7	6,220.5	23.1	14.5	-161.50	287.7	-71.6	846.9	812.7	34.19	24.770	
6,400.0	6,320.5	6,338.6	6,320.5	23.4	14.6	-161.56	287.7	-71.6	849.2	814.6	34.60	24.544	
6,489.7	6,410.2	6,428.4	6,410.2	23.5	14.7	-88.58	287.7	-71.6	849.9	815.1	34.81	24.413	
6,500.0	6,420.5	6,438.6	6,420.5	23.5	14.7	-88.58	287.7	-71.6	849.9	815.0	34.82	24.408	
6,600.0	6,520.5	6,538.6	6,520.5	23.5	14.7	-88.58	287.7	-71.6	849.9	814.9	34.95	24.317	
6,700.0	6,620.5	6,638.6	6,620.5	23.6	14.8	-88.58	287.7	-71.6	849.9	814.8	35.06	24.244	
6,800.0	6,720.5	6,738.6	6,720.5	23.6	14.9	-88.58	287.7	-71.6	849.9	814.7	35.16	24.171	
6,900.0	6,820.5	6,838.6	6,820.5	23.7	15.0	-88.58	287.7	-71.6	849.9	814.6	35.27	24.098	
7,000.0	6,920.5	6,938.6	6,920.5	23.7	15.0	-88.58	287.7	-71.6	849.9	814.5	35.37	24.025	
7,100.0	7,020.5	7,038.6	7,020.5	23.7	15.1	-88.58	287.7	-71.6	849.9	814.4	35.48	23.952	
7,200.0	7,120.5	7,138.6	7,120.5	23.8	15.2	-88.58	287.7	-71.6	849.9	814.3	35.59	23.880	
7,300.0	7,220.5	7,238.6	7,220.5	23.8	15.2	-88.58	287.7	-71.6	849.9	814.2	35.70	23.808	
7,400.0	7,320.5	7,338.6	7,320.5	23.8	15.3	-88.58	287.7	-71.6	849.9	814.1	35.81	23.736	
7,500.0	7,420.5	7,438.6	7,420.5	23.9	15.4	-88.58	287.7	-71.6	849.9	814.0	35.91	23.664	
7,600.0	7,520.5	7,538.6	7,520.5	23.9	15.5	-88.58	287.7	-71.6	849.9	813.8	36.02	23.592	
7,700.0	7,620.5	7,638.6	7,620.5	24.0	15.5	-88.58	287.7	-71.6	849.9	813.7	36.13	23.520	
7,800.0	7,720.5	7,738.6	7,720.5	24.0	15.6	-88.58	287.7	-71.6	849.9	813.6	36.24	23.449	
7,900.0	7,820.5	7,838.6	7,820.5	24.0	15.7	-88.58	287.7	-71.6	849.9	813.5	36.35	23.378	
8,000.0	7,920.5	7,938.6	7,920.5	24.1	15.8	-88.58	287.7	-71.6	849.9	813.4	36.46	23.307	
8,100.0	8,020.5	8,038.6	8,020.5	24.1	15.8	-88.58	287.7	-71.6	849.9	813.3	36.58	23.236	
8,200.0	8,120.5	8,138.6	8,120.5	24.2	15.9	-88.58	287.7	-71.6	849.9	813.2	36.69	23.165	
8,300.0	8,220.5	8,238.6	8,220.5	24.2	16.0	-88.58	287.7	-71.6	849.9	813.1	36.80	23.095	
8,400.0	8,320.5	8,338.6	8,320.5	24.2	16.0	-88.58	287.7	-71.6	849.9	813.0	36.91	23.024	
8,500.0	8,420.5	8,438.6	8,420.5	24.3	16.1	-88.58	287.7	-71.6	849.9	812.8	37.02	22.954	
8,600.0	8,520.5	8,538.6	8,520.5	24.3	16.2	-88.58	287.7	-71.6	849.9	812.7	37.14	22.885	
8,700.0	8,620.5	8,638.6	8,620.5	24.4	16.3	-88.58	287.7	-71.6	849.9	812.6	37.25	22.815	
8,800.0	8,720.5	8,738.6	8,720.5	24.4	16.3	-88.58	287.7	-71.6	849.9	812.5	37.36	22.745	
8,900.0	8,820.5	8,838.6	8,820.5	24.4	16.4	-88.58	287.7	-71.6	849.9	812.4	37.48	22.676	
9,000.0	8,920.5	8,938.6	8,920.5	24.5	16.5	-88.58	287.7	-71.6	849.9	812.3	37.59	22.607	
9,100.0	9,020.5	9,038.6	9,020.5	24.5	16.6	-88.58	287.7	-71.6	849.9	812.2	37.71	22.538	
9,200.0	9,120.5	9,138.6	9,120.5	24.6	16.6	-88.58	287.7	-71.6	849.9	812.0	37.82	22.470	
9,300.0	9,220.5	9,238.6	9,220.5	24.6	16.7	-88.58	287.7	-71.6	849.9	811.9	37.94	22.401	
9,400.0	9,320.5	9,338.6	9,320.5	24.6	16.8	-88.58	287.7	-71.6	849.9	811.8	38.05	22.333	
9,500.0	9,420.5	9,438.6	9,420.5	24.7	16.9	-88.58	287.7	-71.6	849.9	811.7	38.17	22.265	
9,600.0	9,520.5	9,538.6	9,520.5	24.7	16.9	-88.58	287.7	-71.6	849.9	811.6	38.29	22.198	
9,700.0	9,620.5	9,638.6	9,620.5	24.8	17.0	-88.58	287.7	-71.6	849.9	811.5	38.40	22.130	
9,800.0	9,720.5	9,738.6	9,720.5	24.8	17.1	-88.58	287.7	-71.6	849.9	811.3	38.52	22.063	
9,900.0	9,820.5	9,838.6	9,820.5	24.9	17.2	-88.58	287.7	-71.6	849.9	811.2	38.64	21.996	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.0	9,920.5	9,938.6	9,920.5	24.9	17.2	-88.58	287.7	-71.6	849.9	811.1	38.76	21.929	
10,100.0	10,020.5	10,038.6	10,020.5	24.9	17.3	-88.58	287.7	-71.6	849.9	811.0	38.87	21.862	
10,200.0	10,120.5	10,138.6	10,120.5	25.0	17.4	-88.58	287.7	-71.6	849.9	810.9	38.99	21.796	
10,300.0	10,220.5	10,238.6	10,220.5	25.0	17.5	-88.58	287.7	-71.6	849.9	810.8	39.11	21.730	
10,400.0	10,320.5	10,338.6	10,320.5	25.1	17.5	-88.58	287.7	-71.6	849.9	810.6	39.23	21.664	
10,500.0	10,420.5	10,438.6	10,420.5	25.1	17.6	-88.58	287.7	-71.6	849.9	810.5	39.35	21.598	
10,600.0	10,520.5	10,538.6	10,520.5	25.2	17.7	-88.58	287.7	-71.6	849.9	810.4	39.47	21.533	
10,700.0	10,620.5	10,638.6	10,620.5	25.2	17.8	-88.58	287.7	-71.6	849.9	810.3	39.59	21.468	
10,800.0	10,720.5	10,738.6	10,720.5	25.3	17.8	-88.58	287.7	-71.6	849.9	810.2	39.71	21.403	
10,900.0	10,820.5	10,838.6	10,820.5	25.3	17.9	-88.58	287.7	-71.6	849.9	810.0	39.83	21.338	
11,000.0	10,920.5	10,938.6	10,920.5	25.3	18.0	-88.58	287.7	-71.6	849.9	809.9	39.95	21.274	
11,100.0	11,020.5	11,038.6	11,020.5	25.4	18.1	-88.58	287.7	-71.6	849.9	809.8	40.07	21.209	
11,200.0	11,120.5	11,138.6	11,120.5	25.4	18.1	-88.58	287.7	-71.6	849.9	809.7	40.19	21.145	
11,300.0	11,220.5	11,238.6	11,220.5	25.5	18.2	-88.58	287.7	-71.6	849.9	809.6	40.31	21.082	
11,386.5	11,307.0	11,325.2	11,307.0	25.5	18.3	-88.58	287.7	-71.6	849.9	809.5	40.39	21.040	
11,400.0	11,320.5	11,339.3	11,321.1	25.5	18.3	91.78	287.6	-71.6	849.9	809.5	40.40	21.037	
11,450.0	11,370.4	11,391.7	11,373.4	25.5	18.3	91.77	283.9	-71.6	849.9	809.4	40.42	21.023	
11,500.0	11,419.8	11,444.1	11,425.1	25.5	18.4	91.75	275.4	-71.5	849.8	809.4	40.45	21.011	
11,550.0	11,468.3	11,496.5	11,475.8	25.5	18.5	91.71	262.3	-71.4	849.8	809.4	40.47	20.999	
11,600.0	11,515.6	11,548.8	11,525.0	25.6	18.5	91.66	244.7	-71.3	849.8	809.3	40.49	20.987	
11,650.0	11,561.3	11,601.0	11,572.3	25.6	18.6	91.59	222.6	-71.2	849.8	809.3	40.51	20.975	
11,700.0	11,605.1	11,653.0	11,617.3	25.6	18.7	91.51	196.5	-71.0	849.7	809.2	40.54	20.963	
11,750.0	11,646.6	11,705.0	11,659.6	25.6	18.8	91.42	166.4	-70.8	849.7	809.1	40.56	20.949	
11,800.0	11,685.6	11,756.8	11,699.0	25.6	18.9	91.32	132.7	-70.6	849.7	809.1	40.59	20.933	
11,850.0	11,721.6	11,808.5	11,735.0	25.6	18.9	91.21	95.7	-70.4	849.6	809.0	40.62	20.915	
11,900.0	11,754.5	11,860.0	11,767.5	25.7	19.0	91.09	55.7	-70.1	849.6	808.9	40.66	20.895	
11,950.0	11,784.0	11,911.4	11,796.2	25.7	19.1	90.96	13.2	-69.8	849.5	808.8	40.71	20.870	
12,000.0	11,809.8	11,962.5	11,820.8	25.7	19.1	90.82	-31.6	-69.5	849.5	808.7	40.76	20.842	
12,050.0	11,831.9	12,013.5	11,841.3	25.8	19.2	90.68	-78.3	-69.2	849.5	808.6	40.82	20.808	
12,100.0	11,849.9	12,064.2	11,857.5	25.8	19.2	90.53	-126.3	-68.9	849.4	808.5	40.90	20.770	
12,150.0	11,863.8	12,114.8	11,869.4	25.9	19.2	90.38	-175.5	-68.6	849.4	808.4	40.98	20.727	
12,200.0	11,873.5	12,165.1	11,876.9	25.9	19.2	90.23	-225.3	-68.3	849.4	808.3	41.08	20.679	
12,250.0	11,878.8	12,215.3	11,879.9	26.0	19.3	90.07	-275.3	-67.9	849.4	808.2	41.18	20.626	
12,286.5	11,880.0	12,251.8	11,880.0	26.0	19.3	90.00	-311.8	-67.7	849.4	808.1	41.27	20.582	
12,300.0	11,880.0	12,265.3	11,880.0	26.0	19.3	90.00	-325.3	-67.6	849.4	808.1	41.30	20.564	
12,400.0	11,880.0	12,365.3	11,880.0	26.2	19.3	90.00	-425.3	-67.0	849.3	807.7	41.61	20.410	
12,500.0	11,880.0	12,465.3	11,880.0	26.3	19.3	90.00	-525.3	-66.3	849.3	807.4	41.98	20.232	
12,600.0	11,880.0	12,565.3	11,880.0	26.5	19.3	90.00	-625.3	-65.7	849.3	806.9	42.40	20.033	
12,700.0	11,880.0	12,665.3	11,880.0	26.7	19.4	90.00	-725.3	-65.0	849.3	806.4	42.86	19.815	
12,800.0	11,880.0	12,765.3	11,880.0	26.9	19.4	90.00	-825.3	-64.4	849.3	805.9	43.38	19.580	
12,900.0	11,880.0	12,865.3	11,880.0	27.1	19.4	90.00	-925.3	-63.7	849.3	805.3	43.93	19.330	
13,000.0	11,880.0	12,965.3	11,880.0	27.4	19.5	90.00	-1,025.3	-63.1	849.3	804.7	44.54	19.068	
13,100.0	11,880.0	13,065.3	11,880.0	27.6	19.5	90.00	-1,125.3	-62.4	849.2	804.1	45.19	18.794	
13,200.0	11,880.0	13,165.3	11,880.0	27.9	19.5	90.00	-1,225.3	-61.8	849.2	803.4	45.87	18.512	
13,300.0	11,880.0	13,265.3	11,880.0	28.2	19.6	90.00	-1,325.3	-61.1	849.2	802.6	46.60	18.223	
13,400.0	11,880.0	13,365.3	11,880.0	28.5	19.6	90.00	-1,425.3	-60.5	849.2	801.8	47.36	17.929	
13,500.0	11,880.0	13,465.3	11,880.0	28.9	19.9	90.00	-1,525.3	-59.8	849.2	801.0	48.16	17.631	
13,600.0	11,880.0	13,565.3	11,880.0	29.2	20.4	90.00	-1,625.3	-59.2	849.2	800.2	49.00	17.331	
13,700.0	11,880.0	13,665.3	11,880.0	29.6	20.9	90.00	-1,725.2	-58.5	849.2	799.3	49.86	17.030	
13,800.0	11,880.0	13,765.3	11,880.0	29.9	21.5	90.00	-1,825.2	-57.9	849.1	798.4	50.76	16.730	
13,900.0	11,880.0	13,865.3	11,880.0	30.3	22.0	90.00	-1,925.2	-57.2	849.1	797.4	51.68	16.430	
14,000.0	11,880.0	13,965.3	11,880.0	30.7	22.6	90.00	-2,025.2	-56.5	849.1	796.5	52.63	16.133	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-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)			
14,100.0	11,880.0	14,065.3	11,880.0	31.1	23.2	90.00	-2,125.2	-55.9	849.1	795.5	53.61	15.839	
14,200.0	11,880.0	14,165.3	11,880.0	31.5	23.8	90.00	-2,225.2	-55.2	849.1	794.5	54.61	15.549	
14,300.0	11,880.0	14,265.3	11,880.0	32.0	24.4	90.00	-2,325.2	-54.6	849.1	793.4	55.63	15.262	
14,400.0	11,880.0	14,365.3	11,880.0	32.4	25.0	90.00	-2,425.2	-53.9	849.1	792.4	56.68	14.980	
14,500.0	11,880.0	14,465.3	11,880.0	32.9	25.6	90.00	-2,525.2	-53.3	849.0	791.3	57.74	14.703	
14,600.0	11,880.0	14,565.3	11,880.0	33.4	26.2	90.00	-2,625.2	-52.6	849.0	790.2	58.83	14.432	
14,700.0	11,880.0	14,665.3	11,880.0	33.8	26.8	90.00	-2,725.2	-52.0	849.0	789.1	59.93	14.166	
14,800.0	11,880.0	14,765.3	11,880.0	34.3	27.5	90.00	-2,825.2	-51.3	849.0	787.9	61.06	13.905	
14,900.0	11,880.0	14,865.3	11,880.0	34.8	28.1	90.00	-2,925.2	-50.7	849.0	786.8	62.19	13.651	
15,000.0	11,880.0	14,965.3	11,880.0	35.4	28.8	90.00	-3,025.2	-50.0	849.0	785.6	63.35	13.402	
15,100.0	11,880.0	15,065.3	11,880.0	35.9	29.4	90.00	-3,125.2	-49.4	849.0	784.4	64.51	13.159	
15,200.0	11,880.0	15,165.3	11,880.0	36.4	30.1	90.00	-3,225.2	-48.7	848.9	783.2	65.70	12.922	
15,300.0	11,880.0	15,265.3	11,880.0	36.9	30.8	90.00	-3,325.2	-48.1	848.9	782.0	66.89	12.691	
15,400.0	11,880.0	15,365.3	11,880.0	37.5	31.4	90.00	-3,425.2	-47.4	848.9	780.8	68.10	12.466	
15,500.0	11,880.0	15,465.3	11,880.0	38.0	32.1	90.00	-3,525.2	-46.8	848.9	779.6	69.32	12.246	
15,600.0	11,880.0	15,565.3	11,880.0	38.6	32.8	90.00	-3,625.2	-46.1	848.9	778.3	70.55	12.033	
15,700.0	11,880.0	15,665.3	11,880.0	39.2	33.5	90.00	-3,725.2	-45.5	848.9	777.1	71.79	11.824	
15,800.0	11,880.0	15,765.3	11,880.0	39.8	34.1	90.00	-3,825.2	-44.8	848.9	775.8	73.04	11.622	
15,900.0	11,880.0	15,865.3	11,880.0	40.3	34.8	90.00	-3,925.2	-44.2	848.8	774.5	74.30	11.424	
16,000.0	11,880.0	15,965.3	11,880.0	40.9	35.5	90.00	-4,025.2	-43.5	848.8	773.3	75.57	11.232	
16,100.0	11,880.0	16,065.3	11,880.0	41.5	36.2	90.00	-4,125.2	-42.9	848.8	772.0	76.85	11.045	
16,200.0	11,880.0	16,165.3	11,880.0	42.1	36.9	90.00	-4,225.2	-42.2	848.8	770.7	78.14	10.863	
16,300.0	11,880.0	16,265.3	11,880.0	42.7	37.6	90.00	-4,325.2	-41.6	848.8	769.3	79.43	10.686	
16,400.0	11,880.0	16,365.3	11,880.0	43.3	38.3	90.00	-4,425.2	-40.9	848.8	768.0	80.73	10.513	
16,500.0	11,880.0	16,465.3	11,880.0	44.0	39.0	90.00	-4,525.2	-40.3	848.8	766.7	82.04	10.346	
16,600.0	11,880.0	16,565.3	11,880.0	44.6	39.7	90.00	-4,625.2	-39.6	848.7	765.4	83.36	10.182	
16,700.0	11,880.0	16,665.3	11,880.0	45.2	40.4	90.00	-4,725.2	-39.0	848.7	764.0	84.68	10.023	
16,800.0	11,880.0	16,765.3	11,880.0	45.8	41.1	90.00	-4,825.2	-38.3	848.7	762.7	86.01	9.868	
16,900.0	11,880.0	16,865.3	11,880.0	46.5	41.9	90.00	-4,925.2	-37.7	848.7	761.4	87.34	9.717	
17,000.0	11,880.0	16,965.3	11,880.0	47.1	42.6	90.00	-5,025.2	-37.0	848.7	760.0	88.68	9.570	
17,100.0	11,880.0	17,065.3	11,880.0	47.7	43.3	90.00	-5,125.2	-36.4	848.7	758.6	90.02	9.427	
17,200.0	11,880.0	17,165.3	11,880.0	48.4	44.0	90.00	-5,225.2	-35.7	848.6	757.3	91.37	9.288	
17,300.0	11,880.0	17,265.3	11,880.0	49.0	44.7	90.00	-5,325.2	-35.1	848.6	755.9	92.73	9.152	
17,400.0	11,880.0	17,365.3	11,880.0	49.7	45.4	90.00	-5,425.2	-34.4	848.6	754.5	94.09	9.020	
17,500.0	11,880.0	17,465.3	11,880.0	50.3	46.2	90.00	-5,525.2	-33.8	848.6	753.2	95.45	8.891	
17,600.0	11,880.0	17,565.3	11,880.0	51.0	46.9	90.00	-5,625.2	-33.1	848.6	751.8	96.82	8.765	
17,700.0	11,880.0	17,665.3	11,880.0	51.7	47.6	90.00	-5,725.2	-32.4	848.6	750.4	98.19	8.642	
17,800.0	11,880.0	17,765.3	11,880.0	52.3	48.3	90.00	-5,825.2	-31.8	848.6	749.0	99.57	8.523	
17,900.0	11,880.0	17,865.3	11,880.0	53.0	49.1	90.00	-5,925.2	-31.1	848.5	747.6	100.95	8.406	
18,000.0	11,880.0	17,965.3	11,880.0	53.7	49.8	90.00	-6,025.2	-30.5	848.5	746.2	102.33	8.292	
18,100.0	11,880.0	18,065.3	11,880.0	54.3	50.5	90.00	-6,125.2	-29.8	848.5	744.8	103.71	8.181	
18,200.0	11,880.0	18,165.3	11,880.0	55.0	51.3	90.00	-6,225.2	-29.2	848.5	743.4	105.10	8.073	
18,300.0	11,880.0	18,265.3	11,880.0	55.7	52.0	90.00	-6,325.2	-28.5	848.5	742.0	106.50	7.967	
18,400.0	11,880.0	18,365.3	11,880.0	56.4	52.7	90.00	-6,425.1	-27.9	848.5	740.6	107.89	7.864	
18,500.0	11,880.0	18,465.3	11,880.0	57.0	53.5	90.00	-6,525.1	-27.2	848.5	739.2	109.29	7.763	
18,600.0	11,880.0	18,565.3	11,880.0	57.7	54.2	90.00	-6,625.1	-26.6	848.4	737.7	110.69	7.665	
18,700.0	11,880.0	18,665.3	11,880.0	58.4	54.9	90.00	-6,725.1	-25.9	848.4	736.3	112.10	7.569	
18,800.0	11,880.0	18,765.3	11,880.0	59.1	55.7	90.00	-6,825.1	-25.3	848.4	734.9	113.51	7.475	
18,900.0	11,880.0	18,865.3	11,880.0	59.8	56.4	90.00	-6,925.1	-24.6	848.4	733.5	114.92	7.383	
19,000.0	11,880.0	18,965.3	11,880.0	60.5	57.1	90.00	-7,025.1	-24.0	848.4	732.1	116.33	7.293	
19,100.0	11,880.0	19,065.3	11,880.0	61.2	57.9	90.00	-7,125.1	-23.3	848.4	730.6	117.74	7.205	
19,200.0	11,880.0	19,165.3	11,880.0	61.9	58.6	90.00	-7,225.1	-22.7	848.4	729.2	119.16	7.119	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS							Rule Assigned:				Offset Well Error:	3.0 usft
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	
19,300.0	11,880.0	19,265.3	11,880.0	62.6	59.3	90.00	-7,325.1	-22.0	848.3	727.8	120.58	7.036		
19,400.0	11,880.0	19,365.3	11,880.0	63.3	60.1	90.00	-7,425.1	-21.4	848.3	726.3	122.00	6.953		
19,500.0	11,880.0	19,465.3	11,880.0	64.0	60.8	90.00	-7,525.1	-20.7	848.3	724.9	123.42	6.873		
19,600.0	11,880.0	19,565.3	11,880.0	64.7	61.6	90.00	-7,625.1	-20.1	848.3	723.4	124.85	6.795		
19,700.0	11,880.0	19,665.3	11,880.0	65.4	62.3	90.00	-7,725.1	-19.4	848.3	722.0	126.28	6.718		
19,800.0	11,880.0	19,765.3	11,880.0	66.1	63.0	90.00	-7,825.1	-18.8	848.3	720.6	127.70	6.642		
19,900.0	11,880.0	19,865.3	11,880.0	66.8	63.8	90.00	-7,925.1	-18.1	848.3	719.1	129.13	6.569		
20,000.0	11,880.0	19,965.3	11,880.0	67.5	64.5	90.00	-8,025.1	-17.5	848.2	717.7	130.57	6.497		
20,100.0	11,880.0	20,065.3	11,880.0	68.2	65.3	90.00	-8,125.1	-16.8	848.2	716.2	132.00	6.426		
20,200.0	11,880.0	20,165.3	11,880.0	68.9	66.0	90.00	-8,225.1	-16.2	848.2	714.8	133.44	6.357		
20,300.0	11,880.0	20,265.3	11,880.0	69.6	66.8	90.00	-8,325.1	-15.5	848.2	713.3	134.87	6.289		
20,400.0	11,880.0	20,365.3	11,880.0	70.3	67.5	90.00	-8,425.1	-14.9	848.2	711.9	136.31	6.222		
20,500.0	11,880.0	20,465.3	11,880.0	71.0	68.2	90.00	-8,525.1	-14.2	848.2	710.4	137.75	6.157		
20,600.0	11,880.0	20,565.3	11,880.0	71.8	69.0	90.00	-8,625.1	-13.6	848.2	709.0	139.19	6.093		
20,700.0	11,880.0	20,665.3	11,880.0	72.5	69.7	90.00	-8,725.1	-12.9	848.1	707.5	140.64	6.031		
20,800.0	11,880.0	20,765.3	11,880.0	73.2	70.5	90.00	-8,825.1	-12.3	848.1	706.0	142.08	5.969		
20,900.0	11,880.0	20,865.3	11,880.0	73.9	71.2	90.00	-8,925.1	-11.6	848.1	704.6	143.53	5.909		
21,000.0	11,880.0	20,965.3	11,880.0	74.6	72.0	90.00	-9,025.1	-11.0	848.1	703.1	144.97	5.850		
21,100.0	11,880.0	21,065.3	11,880.0	75.3	72.7	90.00	-9,125.1	-10.3	848.1	701.7	146.42	5.792		
21,200.0	11,880.0	21,165.3	11,880.0	76.1	73.5	90.00	-9,225.1	-9.7	848.1	700.2	147.87	5.735		
21,300.0	11,880.0	21,265.3	11,880.0	76.8	74.2	90.00	-9,325.1	-9.0	848.1	698.7	149.32	5.679		
21,400.0	11,880.0	21,365.3	11,880.0	77.5	75.0	90.00	-9,425.1	-8.4	848.0	697.3	150.77	5.625		
21,500.0	11,880.0	21,465.3	11,880.0	78.2	75.7	90.00	-9,525.1	-7.7	848.0	695.8	152.22	5.571		
21,600.0	11,880.0	21,565.3	11,880.0	78.9	76.5	90.00	-9,625.1	-7.0	848.0	694.3	153.68	5.518		
21,700.0	11,880.0	21,665.3	11,880.0	79.7	77.2	90.00	-9,725.1	-6.4	848.0	692.9	155.13	5.466		
21,724.7	11,880.0	21,690.0	11,880.0	79.8	77.4	90.00	-9,749.8	-6.2	848.0	692.5	155.49	5.454		
21,732.1	11,880.0	21,690.0	11,880.0	79.9	77.4	90.00	-9,749.8	-6.2	848.0	692.5	155.50	5.454 SF		
21,782.1	11,880.0	21,690.0	11,880.0	80.3	77.4	90.00	-9,749.8	-6.2	849.9	694.6	155.30	5.473		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-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	-89.67	0.2	-29.9	29.9					
100.0	100.0	99.7	99.7	3.0	3.0	-89.67	0.2	-29.9	29.9	23.4	6.52	4.591		
200.0	200.0	199.7	199.7	3.2	3.2	-89.67	0.2	-29.9	29.9	23.2	6.76	4.428		
300.0	300.0	299.7	299.7	3.3	3.3	-89.67	0.2	-29.9	29.9	22.9	6.99	4.281		
400.0	400.0	399.7	399.7	3.4	3.4	-89.67	0.2	-29.9	29.9	22.7	7.21	4.149		
500.0	500.0	499.7	499.7	3.5	3.5	-89.67	0.2	-29.9	29.9	22.5	7.43	4.028		
600.0	600.0	599.7	599.7	3.7	3.7	-89.67	0.2	-29.9	29.9	22.3	7.64	3.918		
700.0	700.0	699.7	699.7	3.8	3.8	-89.67	0.2	-29.9	29.9	22.1	7.84	3.816		
800.0	800.0	799.7	799.7	3.9	3.9	-89.67	0.2	-29.9	29.9	21.9	8.04	3.722		
900.0	900.0	899.7	899.7	4.0	4.0	-89.67	0.2	-29.9	29.9	21.7	8.23	3.635		
1,000.0	1,000.0	999.7	999.7	4.2	4.2	-89.67	0.2	-29.9	29.9	21.5	8.42	3.554		
1,100.0	1,100.0	1,099.7	1,099.7	4.3	4.3	-89.67	0.2	-29.9	29.9	21.3	8.61	3.478		
1,200.0	1,200.0	1,199.7	1,199.7	4.4	4.4	-89.67	0.2	-29.9	29.9	21.1	8.79	3.406		
1,300.0	1,300.0	1,299.7	1,299.7	4.5	4.5	-89.67	0.2	-29.9	29.9	21.0	8.96	3.340		
1,400.0	1,400.0	1,399.7	1,399.7	4.6	4.6	-89.67	0.2	-29.9	29.9	20.8	9.13	3.277		
1,500.0	1,500.0	1,499.7	1,499.7	4.8	4.8	-89.67	0.2	-29.9	29.9	20.6	9.30	3.217 CC, ES		
1,600.0	1,600.0	1,600.1	1,600.1	4.9	4.9	-134.28	1.3	-29.3	30.2	20.7	9.50	3.180		
1,700.0	1,699.9	1,700.5	1,700.4	5.1	5.1	-133.13	4.7	-27.3	31.0	21.2	9.85	3.150		
1,800.0	1,799.7	1,800.8	1,800.5	5.3	5.3	-131.32	10.4	-24.0	32.4	22.2	10.20	3.178		
1,900.0	1,899.3	1,901.2	1,900.4	5.5	5.5	-129.04	18.4	-19.4	34.4	23.9	10.55	3.262		
2,000.0	1,998.6	2,001.5	2,000.0	5.7	5.8	-126.46	28.6	-13.5	37.1	26.2	10.90	3.400		
2,033.3	2,031.6	2,034.9	2,033.2	5.8	5.8	-125.57	32.6	-11.2	38.1	27.1	10.94	3.481		
2,100.0	2,097.6	2,102.3	2,099.9	5.9	6.0	-132.43	40.1	-6.0	40.3	29.2	11.11	3.630		
2,200.0	2,196.3	2,203.4	2,200.1	6.2	6.3	-142.34	49.2	3.9	44.2	32.7	11.57	3.822		
2,300.0	2,294.6	2,304.1	2,299.9	6.5	6.5	-151.52	55.8	16.1	49.0	36.9	12.02	4.075		
2,342.6	2,336.3	2,346.6	2,342.0	6.6	6.6	-154.73	58.4	21.4	51.8	39.6	12.21	4.242		
2,400.0	2,392.4	2,403.8	2,398.6	6.8	6.7	-155.36	61.9	28.5	56.0	43.6	12.49	4.488		
2,500.0	2,490.2	2,503.6	2,497.4	7.1	7.0	-156.26	68.0	41.0	63.5	50.4	13.06	4.857		
2,600.0	2,588.1	2,603.3	2,596.1	7.4	7.3	-156.98	74.1	53.5	70.9	57.2	13.67	5.185		
2,700.0	2,685.9	2,703.0	2,694.9	7.8	7.7	-157.56	80.2	66.0	78.3	64.0	14.30	5.474		
2,800.0	2,783.7	2,802.7	2,793.6	8.2	8.0	-158.03	86.3	78.4	85.7	70.8	14.96	5.731		
2,900.0	2,881.5	2,902.4	2,892.4	8.5	8.3	-158.43	92.3	90.9	93.2	77.5	15.64	5.959		
3,000.0	2,979.3	3,002.2	2,991.1	8.9	8.7	-158.78	98.4	103.4	100.6	84.3	16.33	6.161		
3,100.0	3,077.1	3,101.9	3,089.9	9.3	9.0	-159.07	104.5	115.9	108.1	91.0	17.04	6.342		
3,200.0	3,174.9	3,201.6	3,188.6	9.7	9.4	-159.33	110.6	128.3	115.5	97.8	17.77	6.503		
3,300.0	3,272.8	3,301.3	3,287.4	10.1	9.8	-159.55	116.7	140.8	123.0	104.5	18.50	6.648		
3,400.0	3,370.6	3,401.0	3,386.1	10.6	10.1	-159.75	122.8	153.3	130.4	111.2	19.24	6.778		
3,500.0	3,468.4	3,500.8	3,484.9	11.0	10.5	-159.93	128.8	165.8	137.9	117.9	20.00	6.896		
3,600.0	3,566.2	3,600.5	3,583.6	11.4	10.9	-160.09	134.9	178.2	145.4	124.6	20.76	7.002		
3,700.0	3,664.0	3,700.2	3,682.4	11.8	11.3	-160.24	141.0	190.7	152.8	131.3	21.53	7.099		
3,800.0	3,761.8	3,799.9	3,781.1	12.3	11.7	-160.37	147.1	203.2	160.3	138.0	22.30	7.187		
3,900.0	3,859.6	3,899.6	3,879.9	12.7	12.1	-160.49	153.2	215.7	167.7	144.6	23.08	7.267		
4,000.0	3,957.5	3,999.4	3,978.6	13.1	12.5	-160.60	159.3	228.1	175.2	151.3	23.87	7.340		
4,100.0	4,055.3	4,099.1	4,077.4	13.6	12.9	-160.70	165.3	240.6	182.7	158.0	24.66	7.408		
4,200.0	4,153.1	4,198.8	4,176.1	14.0	13.3	-160.79	171.4	253.1	190.1	164.7	25.45	7.470		
4,300.0	4,250.9	4,298.5	4,274.9	14.5	13.7	-160.87	177.5	265.5	197.6	171.3	26.25	7.527		
4,400.0	4,348.7	4,398.2	4,373.6	14.9	14.1	-160.95	183.6	278.0	205.0	178.0	27.05	7.580		
4,500.0	4,446.5	4,498.0	4,472.4	15.4	14.5	-161.03	189.7	290.5	212.5	184.6	27.85	7.629		
4,600.0	4,544.4	4,597.7	4,571.1	15.8	14.9	-161.10	195.8	303.0	220.0	191.3	28.66	7.674		
4,700.0	4,642.2	4,697.4	4,669.9	16.3	15.3	-161.16	201.8	315.4	227.4	198.0	29.47	7.717		
4,800.0	4,740.0	4,797.1	4,768.6	16.7	15.7	-161.22	207.9	327.9	234.9	204.6	30.28	7.757		
4,900.0	4,837.8	4,889.8	4,860.6	17.2	16.2	-161.44	212.9	338.2	243.8	212.6	31.17	7.821		

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,935.6	4,982.0	4,952.4	17.6	16.6	-161.95	216.6	345.7	255.6	223.6	31.99	7.989	
5,100.0	5,033.4	5,073.3	5,043.6	18.1	16.9	-162.69	219.0	350.5	270.2	237.4	32.79	8.242	
5,200.0	5,131.2	5,163.7	5,133.9	18.6	17.1	-163.61	220.0	352.7	287.7	254.3	33.49	8.593	
5,289.7	5,219.0	5,248.5	5,218.7	19.0	17.3	-164.55	220.1	352.9	305.5	271.4	34.13	8.952	
5,300.0	5,229.1	5,258.5	5,228.7	19.0	17.3	-164.66	220.1	352.9	307.6	273.4	34.20	8.993	
5,400.0	5,327.1	5,356.6	5,326.8	19.5	17.4	-165.62	220.1	352.9	326.7	291.8	34.92	9.355	
5,500.0	5,425.4	5,454.9	5,425.1	19.9	17.4	-166.41	220.1	352.9	344.2	308.7	35.55	9.683	
5,600.0	5,524.1	5,553.6	5,523.8	20.4	17.5	-167.05	220.1	352.9	360.1	324.0	36.15	9.963	
5,700.0	5,623.0	5,652.5	5,622.7	20.8	17.5	-167.59	220.1	352.9	374.4	337.7	36.72	10.195	
5,800.0	5,722.2	5,751.7	5,721.9	21.2	17.6	-168.02	220.1	352.9	387.0	349.7	37.28	10.381	
5,900.0	5,821.6	5,851.0	5,821.3	21.6	17.6	-168.38	220.1	352.9	397.9	360.1	37.81	10.524	
6,000.0	5,921.1	5,950.6	5,920.8	22.0	17.7	-168.66	220.1	352.9	407.1	368.8	38.31	10.626	
6,100.0	6,020.8	6,050.3	6,020.5	22.4	17.7	-168.88	220.1	352.9	414.6	375.8	38.80	10.688	
6,200.0	6,120.6	6,150.1	6,120.3	22.7	17.8	-169.05	220.1	352.9	420.4	381.2	39.25	10.712	
6,300.0	6,220.6	6,250.0	6,220.3	23.1	17.8	-169.17	220.1	352.9	424.6	384.9	39.67	10.703	
6,400.0	6,320.5	6,350.0	6,320.2	23.4	17.9	-169.23	220.1	352.9	427.0	386.9	40.04	10.664	
6,489.7	6,410.2	6,439.7	6,409.9	23.5	17.9	-96.25	220.1	352.9	427.6	387.4	40.23	10.631	
6,500.0	6,420.5	6,450.0	6,420.2	23.5	17.9	-96.25	220.1	352.9	427.6	387.4	40.23	10.629	
6,600.0	6,520.5	6,550.0	6,520.2	23.5	18.0	-96.25	220.1	352.9	427.6	387.3	40.34	10.601	
6,700.0	6,620.5	6,650.0	6,620.2	23.6	18.0	-96.25	220.1	352.9	427.6	387.2	40.43	10.578	
6,800.0	6,720.5	6,750.0	6,720.2	23.6	18.1	-96.25	220.1	352.9	427.6	387.1	40.51	10.555	
6,900.0	6,820.5	6,850.0	6,820.2	23.7	18.1	-96.25	220.1	352.9	427.6	387.0	40.60	10.533	
7,000.0	6,920.5	6,950.0	6,920.2	23.7	18.2	-96.25	220.1	352.9	427.6	387.0	40.69	10.510	
7,100.0	7,020.5	7,050.0	7,020.2	23.7	18.3	-96.25	220.1	352.9	427.6	386.9	40.78	10.487	
7,200.0	7,120.5	7,150.0	7,120.2	23.8	18.3	-96.25	220.1	352.9	427.6	386.8	40.87	10.464	
7,300.0	7,220.5	7,250.0	7,220.2	23.8	18.4	-96.25	220.1	352.9	427.6	386.7	40.96	10.441	
7,400.0	7,320.5	7,350.0	7,320.2	23.8	18.4	-96.25	220.1	352.9	427.6	386.6	41.05	10.419	
7,500.0	7,420.5	7,450.0	7,420.2	23.9	18.5	-96.25	220.1	352.9	427.6	386.5	41.14	10.396	
7,600.0	7,520.5	7,550.0	7,520.2	23.9	18.5	-96.25	220.1	352.9	427.6	386.4	41.23	10.373	
7,700.0	7,620.5	7,650.0	7,620.2	24.0	18.6	-96.25	220.1	352.9	427.6	386.3	41.32	10.350	
7,800.0	7,720.5	7,750.0	7,720.2	24.0	18.6	-96.25	220.1	352.9	427.6	386.2	41.41	10.327	
7,900.0	7,820.5	7,850.0	7,820.2	24.0	18.7	-96.25	220.1	352.9	427.6	386.1	41.50	10.304	
8,000.0	7,920.5	7,950.0	7,920.2	24.1	18.7	-96.25	220.1	352.9	427.6	386.0	41.59	10.281	
8,100.0	8,020.5	8,050.0	8,020.2	24.1	18.8	-96.25	220.1	352.9	427.6	386.0	41.69	10.259	
8,200.0	8,120.5	8,150.0	8,120.2	24.2	18.9	-96.25	220.1	352.9	427.6	385.9	41.78	10.236	
8,300.0	8,220.5	8,250.0	8,220.2	24.2	18.9	-96.25	220.1	352.9	427.6	385.8	41.87	10.213	
8,400.0	8,320.5	8,350.0	8,320.2	24.2	19.0	-96.25	220.1	352.9	427.6	385.7	41.97	10.190	
8,500.0	8,420.5	8,450.0	8,420.2	24.3	19.0	-96.25	220.1	352.9	427.6	385.6	42.06	10.167	
8,600.0	8,520.5	8,550.0	8,520.2	24.3	19.1	-96.25	220.1	352.9	427.6	385.5	42.16	10.144	
8,700.0	8,620.5	8,650.0	8,620.2	24.4	19.1	-96.25	220.1	352.9	427.6	385.4	42.25	10.121	
8,800.0	8,720.5	8,750.0	8,720.2	24.4	19.2	-96.25	220.1	352.9	427.6	385.3	42.35	10.098	
8,900.0	8,820.5	8,850.0	8,820.2	24.4	19.2	-96.25	220.1	352.9	427.6	385.2	42.44	10.076	
9,000.0	8,920.5	8,950.0	8,920.2	24.5	19.3	-96.25	220.1	352.9	427.6	385.1	42.54	10.053	
9,100.0	9,020.5	9,050.0	9,020.2	24.5	19.4	-96.25	220.1	352.9	427.6	385.0	42.64	10.030	
9,200.0	9,120.5	9,150.0	9,120.2	24.6	19.4	-96.25	220.1	352.9	427.6	384.9	42.73	10.007	
9,300.0	9,220.5	9,250.0	9,220.2	24.6	19.5	-96.25	220.1	352.9	427.6	384.8	42.83	9.984	
9,400.0	9,320.5	9,350.0	9,320.2	24.6	19.5	-96.25	220.1	352.9	427.6	384.7	42.93	9.961	
9,500.0	9,420.5	9,450.0	9,420.2	24.7	19.6	-96.25	220.1	352.9	427.6	384.6	43.03	9.939	
9,600.0	9,520.5	9,550.0	9,520.2	24.7	19.7	-96.25	220.1	352.9	427.6	384.5	43.13	9.916	
9,700.0	9,620.5	9,650.0	9,620.2	24.8	19.7	-96.25	220.1	352.9	427.6	384.4	43.23	9.893	
9,800.0	9,720.5	9,750.0	9,720.2	24.8	19.8	-96.25	220.1	352.9	427.6	384.3	43.33	9.870	
9,900.0	9,820.5	9,850.0	9,820.2	24.9	19.8	-96.25	220.1	352.9	427.6	384.2	43.43	9.848	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,000.0	9,920.5	9,950.0	9,920.2	24.9	19.9	-96.25	220.1	352.9	427.6	384.1	43.53	9.825	
10,100.0	10,020.5	10,050.0	10,020.2	24.9	19.9	-96.25	220.1	352.9	427.6	384.0	43.63	9.802	
10,200.0	10,120.5	10,150.0	10,120.2	25.0	20.0	-96.25	220.1	352.9	427.6	383.9	43.73	9.780	
10,300.0	10,220.5	10,250.0	10,220.2	25.0	20.1	-96.25	220.1	352.9	427.6	383.8	43.83	9.757	
10,400.0	10,320.5	10,350.0	10,320.2	25.1	20.1	-96.25	220.1	352.9	427.6	383.7	43.93	9.734	
10,500.0	10,420.5	10,450.0	10,420.2	25.1	20.2	-96.25	220.1	352.9	427.6	383.6	44.03	9.712	
10,600.0	10,520.5	10,550.0	10,520.2	25.2	20.2	-96.25	220.1	352.9	427.6	383.5	44.14	9.689	
10,700.0	10,620.5	10,650.0	10,620.2	25.2	20.3	-96.25	220.1	352.9	427.6	383.4	44.24	9.667	
10,800.0	10,720.5	10,750.0	10,720.2	25.3	20.4	-96.25	220.1	352.9	427.6	383.3	44.34	9.644	
10,900.0	10,820.5	10,850.0	10,820.2	25.3	20.4	-96.25	220.1	352.9	427.6	383.2	44.44	9.622	
11,000.0	10,920.5	10,950.0	10,920.2	25.3	20.5	-96.25	220.1	352.9	427.6	383.1	44.55	9.599	
11,100.0	11,020.5	11,050.0	11,020.2	25.4	20.5	-96.25	220.1	352.9	427.6	383.0	44.65	9.577	
11,200.0	11,120.5	11,150.0	11,120.2	25.4	20.6	-96.25	220.1	352.9	427.6	382.9	44.75	9.556	
11,300.0	11,220.5	11,243.2	11,213.1	25.5	20.6	-97.02	214.3	352.9	428.3	383.5	44.86	9.549	
11,386.5	11,307.0	11,320.0	11,288.2	25.5	20.7	-99.12	198.4	353.0	430.8	385.8	45.03	9.567	
11,400.0	11,320.5	11,331.5	11,299.3	25.5	20.7	80.77	195.2	353.1	431.4	386.3	45.05	9.575	
11,450.0	11,370.4	11,374.0	11,339.4	25.5	20.7	79.08	181.3	353.1	433.8	388.6	45.13	9.613	
11,500.0	11,419.8	11,415.8	11,377.7	25.5	20.7	77.47	164.8	353.3	436.4	391.2	45.15	9.665	
11,550.0	11,468.3	11,456.9	11,414.3	25.5	20.8	75.97	145.8	353.4	439.2	394.0	45.15	9.727	
11,600.0	11,515.6	11,500.0	11,450.9	25.6	20.8	74.50	123.2	353.5	442.0	396.9	45.16	9.789	
11,650.0	11,561.3	11,537.7	11,481.6	25.6	20.8	73.27	101.2	353.7	444.9	399.8	45.09	9.868	
11,700.0	11,605.1	11,577.5	11,512.2	25.6	20.8	72.10	75.8	353.8	447.7	402.7	45.04	9.940	
11,750.0	11,646.6	11,616.9	11,540.7	25.6	20.9	71.04	48.7	354.0	450.4	405.4	44.99	10.011	
11,800.0	11,685.6	11,656.0	11,567.2	25.6	20.9	70.10	19.9	354.2	452.9	408.0	44.94	10.077	
11,850.0	11,721.6	11,700.0	11,594.5	25.6	20.9	69.21	-14.6	354.4	455.2	410.3	44.96	10.126	
11,900.0	11,754.5	11,733.4	11,613.4	25.7	21.0	68.59	-42.1	354.6	457.2	412.3	44.85	10.193	
11,950.0	11,784.0	11,771.8	11,633.1	25.7	21.0	68.03	-75.0	354.8	458.9	414.1	44.81	10.240	
12,000.0	11,809.8	11,810.0	11,650.6	25.7	21.0	67.59	-109.1	355.0	460.2	415.4	44.77	10.280	
12,050.0	11,831.9	11,850.0	11,666.3	25.8	21.1	67.27	-145.8	355.3	461.2	416.4	44.74	10.307	
12,100.0	11,849.9	11,886.3	11,678.3	25.8	21.1	67.10	-180.0	355.5	461.7	417.1	44.67	10.337	
12,150.0	11,863.8	11,924.3	11,688.6	25.9	21.1	67.05	-216.6	355.7	461.9	417.3	44.61	10.355	
12,200.0	11,873.5	11,962.4	11,696.4	25.9	21.2	67.12	-253.9	356.0	461.6	417.1	44.53	10.366	
12,250.0	11,878.8	12,000.0	11,701.7	26.0	21.2	67.33	-291.1	356.2	461.0	416.6	44.44	10.373	
12,286.5	11,880.0	12,028.3	11,704.0	26.0	21.3	67.56	-319.3	356.4	460.3	415.9	44.38	10.371	
12,300.0	11,880.0	12,038.6	11,704.5	26.0	21.3	67.62	-329.6	356.5	460.0	415.7	44.35	10.372	
12,348.6	11,880.0	12,080.1	11,705.0	26.1	21.3	67.67	-371.1	356.7	459.8	415.4	44.35	10.367	
12,400.0	11,880.0	12,131.5	11,705.0	26.2	21.4	67.67	-422.5	357.1	459.8	415.3	44.50	10.332	
12,500.0	11,880.0	12,231.5	11,705.0	26.3	21.5	67.67	-522.5	357.7	459.8	414.9	44.84	10.254	
12,600.0	11,880.0	12,331.5	11,705.0	26.5	21.7	67.67	-622.5	358.4	459.7	414.5	45.23	10.166	
12,700.0	11,880.0	12,431.5	11,705.0	26.7	21.9	67.67	-722.5	359.0	459.7	414.1	45.66	10.069	
12,800.0	11,880.0	12,531.5	11,705.0	26.9	22.1	67.67	-822.5	359.7	459.7	413.6	46.14	9.963	
12,900.0	11,880.0	12,631.5	11,705.0	27.1	22.3	67.67	-922.5	360.3	459.7	413.0	46.67	9.851	
13,000.0	11,880.0	12,731.5	11,705.0	27.4	22.6	67.67	-1,022.5	361.0	459.7	412.5	47.23	9.732	
13,100.0	11,880.0	12,831.5	11,705.0	27.6	22.8	67.67	-1,122.5	361.6	459.7	411.8	47.84	9.608	
13,200.0	11,880.0	12,931.5	11,705.0	27.9	23.1	67.66	-1,222.5	362.3	459.7	411.2	48.49	9.479	
13,300.0	11,880.0	13,031.5	11,705.0	28.2	23.5	67.66	-1,322.5	362.9	459.7	410.5	49.18	9.346	
13,400.0	11,880.0	13,131.5	11,705.0	28.5	23.8	67.66	-1,422.5	363.6	459.6	409.7	49.90	9.210	
13,500.0	11,880.0	13,231.5	11,705.0	28.9	24.1	67.66	-1,522.5	364.2	459.6	409.0	50.66	9.072	
13,600.0	11,880.0	13,331.5	11,705.0	29.2	24.5	67.66	-1,622.5	364.9	459.6	408.2	51.46	8.932	
13,700.0	11,880.0	13,431.5	11,705.0	29.6	24.9	67.66	-1,722.5	365.5	459.6	407.3	52.28	8.791	
13,800.0	11,880.0	13,531.5	11,705.0	29.9	25.3	67.66	-1,822.5	366.2	459.6	406.5	53.14	8.649	
13,900.0	11,880.0	13,631.5	11,705.0	30.3	25.7	67.66	-1,922.5	366.8	459.6	405.6	54.02	8.507	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-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)			
14,000.0	11,880.0	13,731.5	11,705.0	30.7	26.2	67.66	-2,022.5	367.5	459.6	404.6	54.93	8.366	
14,100.0	11,880.0	13,831.5	11,705.0	31.1	26.7	67.66	-2,122.5	368.1	459.6	403.7	55.87	8.225	
14,200.0	11,880.0	13,931.5	11,705.0	31.5	27.1	67.66	-2,222.5	368.8	459.5	402.7	56.84	8.086	
14,300.0	11,880.0	14,031.5	11,705.0	32.0	27.6	67.66	-2,322.5	369.4	459.5	401.7	57.82	7.947	
14,400.0	11,880.0	14,131.5	11,705.0	32.4	28.1	67.66	-2,422.5	370.1	459.5	400.7	58.83	7.811	
14,500.0	11,880.0	14,231.5	11,705.0	32.9	28.7	67.66	-2,522.5	370.7	459.5	399.6	59.86	7.676	
14,600.0	11,880.0	14,331.5	11,705.0	33.4	29.2	67.66	-2,622.5	371.4	459.5	398.6	60.91	7.543	
14,700.0	11,880.0	14,431.5	11,705.0	33.8	29.7	67.65	-2,722.5	372.0	459.5	397.5	61.98	7.413	
14,800.0	11,880.0	14,531.5	11,705.0	34.3	30.3	67.65	-2,822.5	372.7	459.5	396.4	63.07	7.285	
14,900.0	11,880.0	14,631.5	11,705.0	34.8	30.8	67.65	-2,922.5	373.3	459.5	395.3	64.18	7.159	
15,000.0	11,880.0	14,731.5	11,705.0	35.4	31.4	67.65	-3,022.5	374.0	459.4	394.1	65.30	7.036	
15,100.0	11,880.0	14,831.5	11,705.0	35.9	32.0	67.65	-3,122.5	374.6	459.4	393.0	66.44	6.915	
15,200.0	11,880.0	14,931.5	11,705.0	36.4	32.6	67.65	-3,222.5	375.3	459.4	391.8	67.59	6.797	
15,300.0	11,880.0	15,031.5	11,705.0	36.9	33.2	67.65	-3,322.5	375.9	459.4	390.6	68.75	6.682	
15,400.0	11,880.0	15,131.5	11,705.0	37.5	33.8	67.65	-3,422.4	376.6	459.4	389.5	69.93	6.569	
15,500.0	11,880.0	15,231.5	11,705.0	38.0	34.4	67.65	-3,522.4	377.2	459.4	388.3	71.13	6.459	
15,600.0	11,880.0	15,331.5	11,705.0	38.6	35.0	67.65	-3,622.4	377.9	459.4	387.0	72.33	6.351	
15,700.0	11,880.0	15,431.5	11,705.0	39.2	35.6	67.65	-3,722.4	378.5	459.4	385.8	73.55	6.246	
15,800.0	11,880.0	15,531.5	11,705.0	39.8	36.3	67.65	-3,822.4	379.2	459.3	384.6	74.77	6.143	
15,900.0	11,880.0	15,631.5	11,705.0	40.3	36.9	67.65	-3,922.4	379.8	459.3	383.3	76.01	6.043	
16,000.0	11,880.0	15,731.5	11,705.0	40.9	37.6	67.65	-4,022.4	380.5	459.3	382.1	77.26	5.945	
16,100.0	11,880.0	15,831.5	11,705.0	41.5	38.2	67.65	-4,122.4	381.1	459.3	380.8	78.51	5.850	
16,200.0	11,880.0	15,931.5	11,705.0	42.1	38.9	67.64	-4,222.4	381.8	459.3	379.5	79.78	5.757	
16,300.0	11,880.0	16,031.5	11,705.0	42.7	39.5	67.64	-4,322.4	382.4	459.3	378.2	81.05	5.666	
16,400.0	11,880.0	16,131.5	11,705.0	43.3	40.2	67.64	-4,422.4	383.1	459.3	376.9	82.33	5.578	
16,500.0	11,880.0	16,231.5	11,705.0	44.0	40.8	67.64	-4,522.4	383.8	459.2	375.6	83.62	5.492	
16,600.0	11,880.0	16,331.5	11,705.0	44.6	41.5	67.64	-4,622.4	384.4	459.2	374.3	84.92	5.408	
16,700.0	11,880.0	16,431.5	11,705.0	45.2	42.2	67.64	-4,722.4	385.1	459.2	373.0	86.22	5.326	
16,800.0	11,880.0	16,531.5	11,705.0	45.8	42.8	67.64	-4,822.4	385.7	459.2	371.7	87.53	5.246	
16,900.0	11,880.0	16,631.5	11,705.0	46.5	43.5	67.64	-4,922.4	386.4	459.2	370.3	88.85	5.168	
17,000.0	11,880.0	16,731.5	11,705.0	47.1	44.2	67.64	-5,022.4	387.0	459.2	369.0	90.17	5.092	
17,100.0	11,880.0	16,831.5	11,705.0	47.7	44.9	67.64	-5,122.4	387.7	459.2	367.7	91.50	5.018	
17,200.0	11,880.0	16,931.5	11,705.0	48.4	45.6	67.64	-5,222.4	388.3	459.2	366.3	92.84	4.946	
17,300.0	11,880.0	17,031.5	11,705.0	49.0	46.3	67.64	-5,322.4	389.0	459.1	365.0	94.18	4.875	
17,400.0	11,880.0	17,131.5	11,705.0	49.7	46.9	67.64	-5,422.4	389.6	459.1	363.6	95.52	4.807	
17,500.0	11,880.0	17,231.5	11,705.0	50.3	47.6	67.64	-5,522.4	390.3	459.1	362.2	96.87	4.740	
17,600.0	11,880.0	17,331.5	11,705.0	51.0	48.3	67.64	-5,622.4	390.9	459.1	360.9	98.23	4.674	
17,700.0	11,880.0	17,431.5	11,705.0	51.7	49.0	67.63	-5,722.4	391.6	459.1	359.5	99.58	4.610	
17,800.0	11,880.0	17,531.5	11,705.0	52.3	49.7	67.63	-5,822.4	392.2	459.1	358.1	100.95	4.548	
17,900.0	11,880.0	17,631.5	11,705.0	53.0	50.4	67.63	-5,922.4	392.9	459.1	356.8	102.32	4.487	
18,000.0	11,880.0	17,731.5	11,705.0	53.7	51.1	67.63	-6,022.4	393.5	459.1	355.4	103.69	4.427	
18,100.0	11,880.0	17,831.5	11,705.0	54.3	51.8	67.63	-6,122.4	394.2	459.0	354.0	105.06	4.369	
18,200.0	11,880.0	17,931.5	11,705.0	55.0	52.5	67.63	-6,222.4	394.8	459.0	352.6	106.44	4.312	
18,300.0	11,880.0	18,031.5	11,705.0	55.7	53.2	67.63	-6,322.4	395.5	459.0	351.2	107.82	4.257	
18,400.0	11,880.0	18,131.5	11,705.0	56.4	54.0	67.63	-6,422.4	396.1	459.0	349.8	109.21	4.203	
18,500.0	11,880.0	18,231.5	11,705.0	57.0	54.7	67.63	-6,522.4	396.8	459.0	348.4	110.60	4.150	
18,600.0	11,880.0	18,331.5	11,705.0	57.7	55.4	67.63	-6,622.4	397.4	459.0	347.0	111.99	4.098	
18,700.0	11,880.0	18,431.5	11,705.0	58.4	56.1	67.63	-6,722.4	398.1	459.0	345.6	113.39	4.048	
18,800.0	11,880.0	18,531.5	11,705.0	59.1	56.8	67.63	-6,822.4	398.7	459.0	344.2	114.79	3.998	
18,900.0	11,880.0	18,631.5	11,705.0	59.8	57.5	67.63	-6,922.4	399.4	458.9	342.8	116.19	3.950	
19,000.0	11,880.0	18,731.5	11,705.0	60.5	58.2	67.63	-7,022.4	400.0	458.9	341.3	117.59	3.903	
19,100.0	11,880.0	18,831.5	11,705.0	61.2	59.0	67.63	-7,122.4	400.7	458.9	339.9	119.00	3.856	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,200.0	11,880.0	18,931.5	11,705.0	61.9	59.7	67.62	-7,222.4	401.3	458.9	338.5	120.41	3.811	
19,300.0	11,880.0	19,031.5	11,705.0	62.6	60.4	67.62	-7,322.4	402.0	458.9	337.1	121.82	3.767	
19,400.0	11,880.0	19,131.5	11,705.0	63.3	61.1	67.62	-7,422.4	402.6	458.9	335.6	123.24	3.724	
19,500.0	11,880.0	19,231.5	11,705.0	64.0	61.9	67.62	-7,522.4	403.3	458.9	334.2	124.65	3.681	
19,600.0	11,880.0	19,331.5	11,705.0	64.7	62.6	67.62	-7,622.4	403.9	458.8	332.8	126.07	3.640	
19,700.0	11,880.0	19,431.5	11,705.0	65.4	63.3	67.62	-7,722.4	404.6	458.8	331.3	127.49	3.599	
19,800.0	11,880.0	19,531.5	11,705.0	66.1	64.0	67.62	-7,822.4	405.2	458.8	329.9	128.92	3.559	
19,900.0	11,880.0	19,631.5	11,705.0	66.8	64.8	67.62	-7,922.4	405.9	458.8	328.5	130.34	3.520	
20,000.0	11,880.0	19,731.5	11,705.0	67.5	65.5	67.62	-8,022.4	406.5	458.8	327.0	131.77	3.482	
20,100.0	11,880.0	19,831.5	11,705.0	68.2	66.2	67.62	-8,122.3	407.2	458.8	325.6	133.20	3.444	
20,200.0	11,880.0	19,931.5	11,705.0	68.9	66.9	67.62	-8,222.3	407.8	458.8	324.1	134.63	3.408	
20,300.0	11,880.0	20,031.5	11,705.0	69.6	67.7	67.62	-8,322.3	408.5	458.8	322.7	136.06	3.372	
20,400.0	11,880.0	20,131.5	11,705.0	70.3	68.4	67.62	-8,422.3	409.1	458.7	321.3	137.49	3.337	
20,500.0	11,880.0	20,231.5	11,705.0	71.0	69.1	67.62	-8,522.3	409.8	458.7	319.8	138.93	3.302	
20,600.0	11,880.0	20,331.5	11,705.0	71.8	69.9	67.62	-8,622.3	410.4	458.7	318.4	140.37	3.268	
20,700.0	11,880.0	20,431.5	11,705.0	72.5	70.6	67.61	-8,722.3	411.1	458.7	316.9	141.80	3.235	
20,800.0	11,880.0	20,531.5	11,705.0	73.2	71.3	67.61	-8,822.3	411.7	458.7	315.5	143.25	3.202	
20,900.0	11,880.0	20,631.5	11,705.0	73.9	72.1	67.61	-8,922.3	412.4	458.7	314.0	144.69	3.170	
21,000.0	11,880.0	20,731.5	11,705.0	74.6	72.8	67.61	-9,022.3	413.0	458.7	312.5	146.13	3.139	
21,100.0	11,880.0	20,831.5	11,705.0	75.3	73.5	67.61	-9,122.3	413.7	458.7	311.1	147.57	3.108	
21,200.0	11,880.0	20,931.5	11,705.0	76.1	74.3	67.61	-9,222.3	414.3	458.6	309.6	149.02	3.078	
21,300.0	11,880.0	21,031.5	11,705.0	76.8	75.0	67.61	-9,322.3	415.0	458.6	308.2	150.47	3.048	
21,400.0	11,880.0	21,131.5	11,705.0	77.5	75.7	67.61	-9,422.3	415.6	458.6	306.7	151.92	3.019	
21,500.0	11,880.0	21,231.5	11,705.0	78.2	76.5	67.61	-9,522.3	416.3	458.6	305.2	153.37	2.990	
21,600.0	11,880.0	21,331.5	11,705.0	78.9	77.2	67.61	-9,622.3	416.9	458.6	303.8	154.82	2.962	
21,700.0	11,880.0	21,431.5	11,705.0	79.7	78.0	67.61	-9,722.3	417.6	458.6	302.3	156.27	2.935	
21,732.1	11,880.0	21,463.6	11,705.0	79.9	78.2	67.61	-9,754.4	417.8	458.6	301.8	156.73	2.926	
21,782.1	11,880.0	21,513.6	11,705.0	80.3	78.6	67.61	-9,804.4	418.1	458.6	301.1	157.46	2.912 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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-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	1.6	1.6	3.0	3.0	90.34	-0.2	30.0	30.0				
100.0	100.0	101.6	101.6	3.0	3.0	90.34	-0.2	30.0	30.0	23.4	6.52	4.596	
200.0	200.0	201.6	201.6	3.2	3.2	90.34	-0.2	30.0	30.0	23.2	6.76	4.432	
300.0	300.0	301.6	301.6	3.3	3.3	90.34	-0.2	30.0	30.0	23.0	6.99	4.286	
400.0	400.0	401.6	401.6	3.4	3.4	90.34	-0.2	30.0	30.0	22.8	7.22	4.153	
500.0	500.0	501.6	501.6	3.5	3.5	90.34	-0.2	30.0	30.0	22.5	7.43	4.032	
600.0	600.0	601.6	601.6	3.7	3.7	90.34	-0.2	30.0	30.0	22.3	7.64	3.922	
700.0	700.0	701.6	701.6	3.8	3.8	90.34	-0.2	30.0	30.0	22.1	7.85	3.820	
800.0	800.0	801.6	801.6	3.9	3.9	90.34	-0.2	30.0	30.0	21.9	8.04	3.726	
900.0	900.0	901.6	901.6	4.0	4.0	90.34	-0.2	30.0	30.0	21.7	8.24	3.639	
1,000.0	1,000.0	1,001.6	1,001.6	4.2	4.2	90.34	-0.2	30.0	30.0	21.5	8.42	3.558	
1,100.0	1,100.0	1,101.6	1,101.6	4.3	4.3	90.34	-0.2	30.0	30.0	21.4	8.61	3.482	
1,200.0	1,200.0	1,201.6	1,201.6	4.4	4.4	90.34	-0.2	30.0	30.0	21.2	8.79	3.410	
1,300.0	1,300.0	1,301.6	1,301.6	4.5	4.5	90.34	-0.2	30.0	30.0	21.0	8.96	3.343	
1,400.0	1,400.0	1,401.6	1,401.6	4.6	4.6	90.34	-0.2	30.0	30.0	20.8	9.14	3.280	
1,466.1	1,466.1	1,467.7	1,467.7	4.7	4.7	90.34	-0.2	30.0	30.0	20.7	9.25	3.241 CC	
1,500.0	1,500.0	1,501.6	1,501.6	4.8	4.8	90.34	-0.2	30.0	30.0	20.7	9.31	3.221 ES	
1,600.0	1,600.0	1,600.9	1,600.9	4.9	4.9	45.82	0.5	31.1	30.2	20.7	9.52	3.173	
1,700.0	1,699.9	1,700.0	1,699.9	5.1	5.0	47.28	2.4	34.5	30.9	21.0	9.89	3.120	
1,800.0	1,799.7	1,799.5	1,799.2	5.3	5.2	49.61	5.7	40.1	32.0	21.7	10.28	3.112	
1,900.0	1,899.3	1,898.8	1,898.1	5.5	5.4	52.61	10.2	48.0	33.6	23.0	10.66	3.153	
2,000.0	1,998.6	1,998.1	1,996.6	5.7	5.7	56.06	16.0	58.1	35.8	24.8	11.04	3.245	
2,033.3	2,031.6	2,031.1	2,029.4	5.8	5.7	57.27	18.3	61.9	36.7	25.6	11.09	3.309	
2,100.0	2,097.6	2,096.9	2,094.5	5.9	5.9	51.38	22.7	70.5	38.5	27.3	11.26	3.421	
2,200.0	2,196.3	2,195.5	2,191.6	6.2	6.2	43.69	29.0	86.2	41.3	29.6	11.71	3.526	
2,300.0	2,294.6	2,294.0	2,288.1	6.5	6.5	37.19	34.7	105.2	44.0	31.8	12.20	3.605	
2,342.6	2,336.3	2,336.0	2,329.0	6.6	6.7	34.70	36.9	114.3	45.1	32.8	12.36	3.649	
2,400.0	2,392.4	2,392.7	2,384.1	6.8	6.8	34.61	39.8	127.4	47.1	34.5	12.60	3.741	
2,500.0	2,490.2	2,492.6	2,481.1	7.1	7.2	34.39	44.8	151.1	51.1	37.9	13.18	3.878	
2,600.0	2,588.1	2,592.5	2,578.0	7.4	7.5	34.20	49.9	174.7	55.1	41.3	13.80	3.995	
2,700.0	2,685.9	2,692.5	2,675.0	7.8	7.9	34.04	54.9	198.3	59.1	44.7	14.44	4.094	
2,800.0	2,783.7	2,792.4	2,771.9	8.2	8.3	33.90	59.9	222.0	63.1	48.0	15.11	4.178	
2,900.0	2,881.5	2,892.3	2,868.9	8.5	8.7	33.77	64.9	245.6	67.1	51.3	15.80	4.249	
3,000.0	2,979.3	2,992.2	2,965.8	8.9	9.1	33.66	70.0	269.3	71.1	54.6	16.50	4.310	
3,100.0	3,077.1	3,092.1	3,062.8	9.3	9.5	33.56	75.0	292.9	75.1	57.9	17.22	4.361	
3,200.0	3,174.9	3,192.1	3,159.7	9.7	9.9	33.48	80.0	316.6	79.1	61.2	17.96	4.405	
3,300.0	3,272.8	3,292.0	3,256.7	10.1	10.4	33.40	85.0	340.2	83.1	64.4	18.71	4.443	
3,400.0	3,370.6	3,391.9	3,353.6	10.6	10.8	33.32	90.1	363.9	87.1	67.6	19.47	4.475	
3,500.0	3,468.4	3,491.8	3,450.6	11.0	11.2	33.26	95.1	387.5	91.1	70.9	20.24	4.503	
3,600.0	3,566.2	3,591.7	3,547.5	11.4	11.7	33.19	100.1	411.1	95.1	74.1	21.01	4.527	
3,700.0	3,664.0	3,691.7	3,644.5	11.8	12.1	33.14	105.1	434.8	99.1	77.3	21.80	4.547	
3,800.0	3,761.8	3,791.6	3,741.4	12.3	12.6	33.09	110.2	458.4	103.1	80.5	22.59	4.565	
3,900.0	3,859.6	3,891.5	3,838.4	12.7	13.0	33.04	115.2	482.1	107.1	83.7	23.39	4.580	
4,000.0	3,957.5	3,991.4	3,935.3	13.1	13.5	32.99	120.2	505.7	111.1	86.9	24.19	4.593	
4,100.0	4,055.3	4,091.3	4,032.3	13.6	13.9	32.95	125.2	529.4	115.1	90.1	25.00	4.605	
4,200.0	4,153.1	4,191.3	4,129.2	14.0	14.4	32.91	130.3	553.0	119.1	93.3	25.81	4.615	
4,300.0	4,250.9	4,291.2	4,226.2	14.5	14.8	32.88	135.3	576.7	123.1	96.5	26.63	4.624	
4,400.0	4,348.7	4,391.1	4,323.1	14.9	15.3	32.85	140.3	600.3	127.1	99.7	27.45	4.631	
4,500.0	4,446.5	4,491.0	4,420.1	15.4	15.8	32.81	145.3	623.9	131.1	102.8	28.27	4.638	
4,600.0	4,544.4	4,590.9	4,517.0	15.8	16.2	32.78	150.4	647.6	135.1	106.0	29.09	4.644	
4,700.0	4,642.2	4,690.9	4,614.0	16.3	16.7	32.76	155.4	671.2	139.1	109.2	29.92	4.649	
4,800.0	4,740.0	4,790.8	4,711.0	16.7	17.2	32.73	160.4	694.9	143.1	112.4	30.76	4.653	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference		Offset		Semi Major Axis		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)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
4,900.0	4,837.8	4,890.7	4,807.9	17.2	17.6	32.70	165.5	718.5	147.1	115.5	31.59	4.657		
5,000.0	4,935.6	4,990.6	4,904.9	17.6	18.1	32.68	170.5	742.2	151.1	118.7	32.43	4.660		
5,100.0	5,033.4	5,090.5	5,001.8	18.1	18.6	32.66	175.5	765.8	155.1	121.8	33.26	4.663		
5,200.0	5,131.2	5,190.5	5,098.8	18.6	19.1	32.64	180.5	789.5	159.1	125.0	34.10	4.665		
5,289.7	5,219.0	5,280.1	5,185.7	19.0	19.5	32.62	185.0	810.7	162.7	127.8	34.85	4.668		
5,300.0	5,229.1	5,290.4	5,195.7	19.0	19.5	32.62	185.6	813.1	163.1	128.2	34.94	4.669		
5,400.0	5,327.1	5,390.3	5,292.6	19.5	20.0	32.43	190.6	836.7	168.0	132.2	35.85	4.687		
5,500.0	5,425.4	5,490.0	5,389.4	19.9	20.5	31.96	195.6	860.3	174.4	137.6	36.79	4.739		
5,600.0	5,524.1	5,589.7	5,486.1	20.4	21.0	31.24	200.6	883.9	182.2	144.4	37.79	4.822		
5,700.0	5,623.0	5,689.2	5,582.7	20.8	21.4	30.33	205.6	907.5	191.6	152.8	38.84	4.934		
5,800.0	5,722.2	5,788.5	5,679.1	21.2	21.9	29.27	210.6	931.0	202.6	162.7	39.92	5.075		
5,900.0	5,821.6	5,887.6	5,775.2	21.6	22.4	28.11	215.6	954.4	215.1	174.1	41.01	5.246		
6,000.0	5,921.1	5,986.5	5,871.2	22.0	22.9	26.89	220.6	977.8	229.3	187.2	42.11	5.445		
6,100.0	6,020.8	6,085.1	5,966.8	22.4	23.3	25.64	225.5	1,001.2	245.1	201.9	43.20	5.675		
6,200.0	6,120.6	6,183.4	6,062.2	22.7	23.8	24.40	230.5	1,024.4	262.7	218.4	44.27	5.933		
6,300.0	6,220.6	6,281.3	6,157.2	23.1	24.3	23.19	235.4	1,047.6	281.9	236.6	45.31	6.221		
6,400.0	6,320.5	6,378.9	6,251.9	23.4	24.8	22.02	240.3	1,070.7	302.8	256.5	46.30	6.540		
6,489.7	6,410.2	6,466.1	6,336.5	23.5	25.2	94.01	244.7	1,091.3	323.0	275.9	47.07	6.862		
6,500.0	6,420.5	6,476.1	6,346.2	23.5	25.2	93.89	245.2	1,093.7	325.4	278.3	47.14	6.902		
6,600.0	6,520.5	6,573.1	6,440.4	23.5	25.7	92.81	250.1	1,116.6	348.8	300.9	47.89	7.283		
6,700.0	6,620.5	6,683.5	6,547.9	23.6	26.2	91.81	255.2	1,140.9	370.6	321.9	48.68	7.613		
6,800.0	6,720.5	6,796.3	6,658.7	23.6	26.8	91.06	259.6	1,161.5	388.8	339.4	49.37	7.875		
6,900.0	6,820.5	6,910.6	6,771.8	23.7	27.3	90.51	263.1	1,178.0	403.2	353.3	49.93	8.075		
7,000.0	6,920.5	7,026.1	6,886.6	23.7	27.8	90.14	265.7	1,190.2	413.7	363.4	50.37	8.214		
7,100.0	7,020.5	7,142.5	7,002.7	23.7	28.2	89.91	267.3	1,197.9	420.3	369.7	50.66	8.297		
7,200.0	7,120.5	7,259.3	7,119.4	23.8	28.5	89.82	268.0	1,201.0	423.0	372.3	50.71	8.340		
7,300.0	7,220.5	7,362.0	7,222.1	23.8	28.5	89.82	268.0	1,201.0	423.0	372.3	50.75	8.336		
7,400.0	7,320.5	7,462.0	7,322.1	23.8	28.6	89.82	268.0	1,201.0	423.0	372.2	50.82	8.324		
7,500.0	7,420.5	7,562.0	7,422.1	23.9	28.6	89.82	268.0	1,201.0	423.0	372.1	50.88	8.314		
7,600.0	7,520.5	7,662.0	7,522.1	23.9	28.6	89.82	268.0	1,201.0	423.0	372.1	50.95	8.303		
7,700.0	7,620.5	7,762.0	7,622.1	24.0	28.7	89.82	268.0	1,201.0	423.0	372.0	51.02	8.292		
7,800.0	7,720.5	7,862.0	7,722.1	24.0	28.7	89.82	268.0	1,201.0	423.0	371.9	51.09	8.281		
7,900.0	7,820.5	7,962.0	7,822.1	24.0	28.7	89.82	268.0	1,201.0	423.0	371.9	51.15	8.270		
8,000.0	7,920.5	8,062.0	7,922.1	24.1	28.7	89.82	268.0	1,201.0	423.0	371.8	51.22	8.259		
8,100.0	8,020.5	8,162.0	8,022.1	24.1	28.8	89.82	268.0	1,201.0	423.0	371.7	51.29	8.248		
8,200.0	8,120.5	8,262.0	8,122.1	24.2	28.8	89.82	268.0	1,201.0	423.0	371.7	51.36	8.236		
8,300.0	8,220.5	8,362.0	8,222.1	24.2	28.8	89.82	268.0	1,201.0	423.0	371.6	51.43	8.225		
8,400.0	8,320.5	8,462.0	8,322.1	24.2	28.9	89.82	268.0	1,201.0	423.0	371.5	51.50	8.214		
8,500.0	8,420.5	8,562.0	8,422.1	24.3	28.9	89.82	268.0	1,201.0	423.0	371.5	51.57	8.203		
8,600.0	8,520.5	8,662.0	8,522.1	24.3	28.9	89.82	268.0	1,201.0	423.0	371.4	51.64	8.191		
8,700.0	8,620.5	8,762.0	8,622.1	24.4	29.0	89.82	268.0	1,201.0	423.0	371.3	51.71	8.180		
8,800.0	8,720.5	8,862.0	8,722.1	24.4	29.0	89.82	268.0	1,201.0	423.0	371.2	51.79	8.169		
8,900.0	8,820.5	8,962.0	8,822.1	24.4	29.0	89.82	268.0	1,201.0	423.0	371.2	51.86	8.157		
9,000.0	8,920.5	9,062.0	8,922.1	24.5	29.1	89.82	268.0	1,201.0	423.0	371.1	51.93	8.146		
9,100.0	9,020.5	9,162.0	9,022.1	24.5	29.1	89.82	268.0	1,201.0	423.0	371.0	52.00	8.135		
9,200.0	9,120.5	9,262.0	9,122.1	24.6	29.1	89.82	268.0	1,201.0	423.0	370.9	52.08	8.123		
9,300.0	9,220.5	9,362.0	9,222.1	24.6	29.2	89.82	268.0	1,201.0	423.0	370.9	52.15	8.112		
9,400.0	9,320.5	9,462.0	9,322.1	24.6	29.2	89.82	268.0	1,201.0	423.0	370.8	52.23	8.100		
9,500.0	9,420.5	9,562.0	9,422.1	24.7	29.2	89.82	268.0	1,201.0	423.0	370.7	52.30	8.088		
9,600.0	9,520.5	9,662.0	9,522.1	24.7	29.3	89.82	268.0	1,201.0	423.0	370.6	52.37	8.077		
9,700.0	9,620.5	9,762.0	9,622.1	24.8	29.3	89.82	268.0	1,201.0	423.0	370.6	52.45	8.065		
9,800.0	9,720.5	9,862.0	9,722.1	24.8	29.3	89.82	268.0	1,201.0	423.0	370.5	52.53	8.054		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-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	
9,900.0	9,820.5	9,962.0	9,822.1	24.9	29.4	89.82	268.0	1,201.0	423.0	370.4	52.60	8.042	
10,000.0	9,920.5	10,062.0	9,922.1	24.9	29.4	89.82	268.0	1,201.0	423.0	370.3	52.68	8.030	
10,100.0	10,020.5	10,162.0	10,022.1	24.9	29.4	89.82	268.0	1,201.0	423.0	370.3	52.76	8.019	
10,200.0	10,120.5	10,262.0	10,122.1	25.0	29.5	89.82	268.0	1,201.0	423.0	370.2	52.83	8.007	
10,300.0	10,220.5	10,362.0	10,222.1	25.0	29.5	89.82	268.0	1,201.0	423.0	370.1	52.91	7.995	
10,400.0	10,320.5	10,462.0	10,322.1	25.1	29.5	89.82	268.0	1,201.0	423.0	370.0	52.99	7.983	
10,500.0	10,420.5	10,562.0	10,422.1	25.1	29.6	89.82	268.0	1,201.0	423.0	370.0	53.07	7.971	
10,600.0	10,520.5	10,662.0	10,522.1	25.2	29.6	89.82	268.0	1,201.0	423.0	369.9	53.15	7.960	
10,700.0	10,620.5	10,762.0	10,622.1	25.2	29.6	89.82	268.0	1,201.0	423.0	369.8	53.23	7.948	
10,800.0	10,720.5	10,862.0	10,722.1	25.3	29.7	89.82	268.0	1,201.0	423.0	369.7	53.31	7.936	
10,900.0	10,820.5	10,962.0	10,822.1	25.3	29.7	89.82	268.0	1,201.0	423.0	369.6	53.39	7.924	
11,000.0	10,920.5	11,062.0	10,922.1	25.3	29.7	89.82	268.0	1,201.0	423.0	369.6	53.47	7.912	
11,100.0	11,020.5	11,162.0	11,022.1	25.4	29.8	89.82	268.0	1,201.0	423.0	369.5	53.55	7.900	
11,200.0	11,120.5	11,262.0	11,122.1	25.4	29.8	89.82	268.0	1,201.0	423.0	369.4	53.62	7.889	
11,210.0	11,130.5	11,272.0	11,132.1	25.4	29.8	89.82	268.0	1,201.0	423.0	369.4	53.63	7.888	
11,300.0	11,220.5	11,361.1	11,220.9	25.5	29.8	90.72	261.4	1,201.1	423.1	369.6	53.54	7.902	
11,386.5	11,307.0	11,443.0	11,300.7	25.5	29.8	93.17	243.2	1,201.2	423.9	370.7	53.23	7.963	
11,400.0	11,320.5	11,455.2	11,312.4	25.5	29.8	-85.96	239.5	1,201.2	424.2	371.0	53.17	7.977	
11,450.0	11,370.4	11,500.0	11,354.3	25.5	29.9	-84.12	224.0	1,201.3	425.5	372.5	52.97	8.032	
11,500.0	11,419.8	11,544.2	11,394.4	25.5	29.9	-82.32	205.4	1,201.4	427.2	374.3	52.80	8.089	
11,550.0	11,468.3	11,587.4	11,432.2	25.5	29.9	-80.61	184.3	1,201.6	429.2	376.5	52.69	8.145	
11,600.0	11,515.6	11,630.0	11,467.6	25.6	29.9	-78.97	160.9	1,201.7	431.5	378.9	52.64	8.197	
11,650.0	11,561.3	11,671.8	11,500.8	25.6	29.9	-77.42	135.3	1,201.9	434.0	381.4	52.65	8.244	
11,700.0	11,605.1	11,713.1	11,531.5	25.6	29.9	-75.97	107.7	1,202.0	436.7	384.0	52.72	8.283	
11,750.0	11,646.6	11,750.0	11,557.2	25.6	29.9	-74.72	81.3	1,202.2	439.4	386.5	52.98	8.294	
11,800.0	11,685.6	11,794.3	11,585.8	25.6	29.9	-73.38	47.5	1,202.4	442.1	389.1	53.05	8.335	
11,850.0	11,721.6	11,834.2	11,609.2	25.6	30.0	-72.25	15.2	1,202.6	444.8	391.5	53.29	8.346	
11,900.0	11,754.5	11,873.8	11,630.2	25.7	30.0	-71.24	-18.4	1,202.9	447.3	393.7	53.59	8.348	
11,950.0	11,784.0	11,913.1	11,648.7	25.7	30.0	-70.35	-53.0	1,203.1	449.7	395.7	53.92	8.340	
12,000.0	11,809.8	11,950.0	11,663.8	25.7	30.0	-69.61	-86.7	1,203.3	451.8	397.4	54.35	8.312	
12,050.0	11,831.9	11,990.9	11,678.0	25.8	30.1	-68.93	-125.1	1,203.6	453.6	398.9	54.67	8.297	
12,100.0	11,849.9	12,029.6	11,688.9	25.8	30.1	-68.41	-162.1	1,203.8	455.1	400.1	55.07	8.264	
12,150.0	11,863.8	12,068.1	11,697.3	25.9	30.1	-68.02	-199.7	1,204.0	456.3	400.9	55.48	8.225	
12,200.0	11,873.5	12,106.5	11,703.0	25.9	30.2	-67.75	-237.7	1,204.3	457.2	401.3	55.88	8.181	
12,250.0	11,878.8	12,150.0	11,706.5	26.0	30.2	-67.59	-281.1	1,204.6	457.6	401.5	56.14	8.151	
12,254.1	11,879.1	12,150.0	11,706.5	26.0	30.2	-67.59	-281.1	1,204.6	457.6	401.4	56.25	8.135	
12,286.5	11,880.0	12,173.9	11,707.0	26.0	30.2	-67.58	-304.9	1,204.7	457.7	401.2	56.51	8.099	
12,287.9	11,880.0	12,173.9	11,707.0	26.0	30.2	-67.58	-304.9	1,204.7	457.7	401.1	56.55	8.094	
12,300.0	11,880.0	12,186.0	11,707.0	26.0	30.3	-67.58	-317.0	1,204.8	457.7	401.1	56.57	8.090	
12,400.0	11,880.0	12,286.0	11,707.0	26.2	30.4	-67.58	-417.0	1,205.4	457.7	400.9	56.80	8.058	
12,500.0	11,880.0	12,386.0	11,707.0	26.3	30.5	-67.58	-517.0	1,206.1	457.7	400.6	57.07	8.020	
12,600.0	11,880.0	12,486.0	11,707.0	26.5	30.7	-67.58	-617.0	1,206.7	457.7	400.3	57.38	7.977	
12,700.0	11,880.0	12,586.0	11,707.0	26.7	30.9	-67.58	-717.0	1,207.4	457.7	400.0	57.73	7.929	
12,800.0	11,880.0	12,686.0	11,707.0	26.9	31.1	-67.58	-817.0	1,208.0	457.7	399.6	58.11	7.876	
12,900.0	11,880.0	12,786.0	11,707.0	27.1	31.3	-67.58	-917.0	1,208.7	457.7	399.2	58.54	7.820	
13,000.0	11,880.0	12,886.0	11,707.0	27.4	31.5	-67.58	-1,017.0	1,209.3	457.7	398.7	58.99	7.759	
13,100.0	11,880.0	12,986.0	11,707.0	27.6	31.8	-67.58	-1,117.0	1,210.0	457.8	398.3	59.49	7.695	
13,200.0	11,880.0	13,086.0	11,707.0	27.9	32.0	-67.58	-1,217.0	1,210.6	457.8	397.7	60.02	7.627	
13,300.0	11,880.0	13,186.0	11,707.0	28.2	32.3	-67.58	-1,317.0	1,211.3	457.8	397.2	60.58	7.557	
13,400.0	11,880.0	13,286.0	11,707.0	28.5	32.6	-67.58	-1,417.0	1,211.9	457.8	396.6	61.17	7.483	
13,500.0	11,880.0	13,386.0	11,707.0	28.9	32.9	-67.58	-1,517.0	1,212.6	457.8	396.0	61.80	7.408	
13,600.0	11,880.0	13,486.0	11,707.0	29.2	33.2	-67.58	-1,617.0	1,213.2	457.8	395.3	62.46	7.330	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-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	
13,700.0	11,880.0	13,586.0	11,707.0	29.6	33.5	-67.58	-1,717.0	1,213.8	457.8	394.7	63.14	7.250	
13,800.0	11,880.0	13,686.0	11,707.0	29.9	33.9	-67.58	-1,817.0	1,214.5	457.8	394.0	63.86	7.169	
13,900.0	11,880.0	13,786.0	11,707.0	30.3	34.2	-67.58	-1,917.0	1,215.1	457.8	393.2	64.60	7.087	
14,000.0	11,880.0	13,886.0	11,707.0	30.7	34.6	-67.58	-2,017.0	1,215.8	457.8	392.5	65.37	7.004	
14,100.0	11,880.0	13,986.0	11,707.0	31.1	35.0	-67.59	-2,117.0	1,216.4	457.8	391.7	66.16	6.920	
14,200.0	11,880.0	14,086.0	11,707.0	31.5	35.4	-67.59	-2,217.0	1,217.1	457.9	390.9	66.98	6.835	
14,300.0	11,880.0	14,186.0	11,707.0	32.0	35.8	-67.59	-2,317.0	1,217.7	457.9	390.0	67.83	6.750	
14,400.0	11,880.0	14,286.0	11,707.0	32.4	36.2	-67.59	-2,417.0	1,218.4	457.9	389.2	68.70	6.665	
14,500.0	11,880.0	14,386.0	11,707.0	32.9	36.6	-67.59	-2,517.0	1,219.0	457.9	388.3	69.59	6.580	
14,600.0	11,880.0	14,486.0	11,707.0	33.4	37.1	-67.59	-2,617.0	1,219.7	457.9	387.4	70.50	6.495	
14,700.0	11,880.0	14,586.0	11,707.0	33.8	37.5	-67.59	-2,717.0	1,220.3	457.9	386.5	71.43	6.410	
14,800.0	11,880.0	14,686.0	11,707.0	34.3	38.0	-67.59	-2,817.0	1,221.0	457.9	385.5	72.38	6.326	
14,900.0	11,880.0	14,786.0	11,707.0	34.8	38.4	-67.59	-2,917.0	1,221.6	457.9	384.6	73.35	6.243	
15,000.0	11,880.0	14,886.0	11,707.0	35.4	38.9	-67.59	-3,017.0	1,222.2	457.9	383.6	74.34	6.160	
15,100.0	11,880.0	14,986.0	11,707.0	35.9	39.4	-67.59	-3,117.0	1,222.9	457.9	382.6	75.35	6.078	
15,200.0	11,880.0	15,086.0	11,707.0	36.4	39.9	-67.59	-3,217.0	1,223.5	457.9	381.6	76.37	5.996	
15,300.0	11,880.0	15,186.0	11,707.0	36.9	40.4	-67.59	-3,317.0	1,224.2	457.9	380.5	77.41	5.916	
15,400.0	11,880.0	15,286.0	11,707.0	37.5	40.9	-67.59	-3,416.9	1,224.8	458.0	379.5	78.47	5.836	
15,500.0	11,880.0	15,386.0	11,707.0	38.0	41.4	-67.59	-3,516.9	1,225.5	458.0	378.4	79.54	5.758	
15,600.0	11,880.0	15,486.0	11,707.0	38.6	41.9	-67.59	-3,616.9	1,226.1	458.0	377.4	80.62	5.681	
15,700.0	11,880.0	15,586.0	11,707.0	39.2	42.4	-67.59	-3,716.9	1,226.8	458.0	376.3	81.72	5.604	
15,800.0	11,880.0	15,686.0	11,707.0	39.8	43.0	-67.59	-3,816.9	1,227.4	458.0	375.2	82.83	5.529	
15,900.0	11,880.0	15,786.0	11,707.0	40.3	43.5	-67.59	-3,916.9	1,228.1	458.0	374.1	83.95	5.455	
16,000.0	11,880.0	15,886.0	11,707.0	40.9	44.1	-67.59	-4,016.9	1,228.7	458.0	372.9	85.09	5.383	
16,100.0	11,880.0	15,986.0	11,707.0	41.5	44.6	-67.59	-4,116.9	1,229.4	458.0	371.8	86.24	5.311	
16,200.0	11,880.0	16,086.0	11,707.0	42.1	45.2	-67.59	-4,216.9	1,230.0	458.0	370.6	87.40	5.241	
16,300.0	11,880.0	16,186.0	11,707.0	42.7	45.7	-67.60	-4,316.9	1,230.6	458.0	369.5	88.57	5.172	
16,400.0	11,880.0	16,286.0	11,707.0	43.3	46.3	-67.60	-4,416.9	1,231.3	458.0	368.3	89.75	5.104	
16,500.0	11,880.0	16,386.0	11,707.0	44.0	46.9	-67.60	-4,516.9	1,231.9	458.1	367.1	90.94	5.037	
16,600.0	11,880.0	16,486.0	11,707.0	44.6	47.5	-67.60	-4,616.9	1,232.6	458.1	365.9	92.13	4.972	
16,700.0	11,880.0	16,586.0	11,707.0	45.2	48.1	-67.60	-4,716.9	1,233.2	458.1	364.7	93.34	4.907	
16,800.0	11,880.0	16,686.0	11,707.0	45.8	48.7	-67.60	-4,816.9	1,233.9	458.1	363.5	94.56	4.844	
16,900.0	11,880.0	16,786.0	11,707.0	46.5	49.3	-67.60	-4,916.9	1,234.5	458.1	362.3	95.79	4.782	
17,000.0	11,880.0	16,886.0	11,707.0	47.1	49.9	-67.60	-5,016.9	1,235.2	458.1	361.1	97.02	4.722	
17,100.0	11,880.0	16,986.0	11,707.0	47.7	50.5	-67.60	-5,116.9	1,235.8	458.1	359.8	98.26	4.662	
17,200.0	11,880.0	17,086.0	11,707.0	48.4	51.1	-67.60	-5,216.9	1,236.5	458.1	358.6	99.51	4.604	
17,300.0	11,880.0	17,186.0	11,707.0	49.0	51.7	-67.60	-5,316.9	1,237.1	458.1	357.4	100.77	4.546	
17,400.0	11,880.0	17,286.0	11,707.0	49.7	52.3	-67.60	-5,416.9	1,237.8	458.1	356.1	102.03	4.490	
17,500.0	11,880.0	17,386.0	11,707.0	50.3	52.9	-67.60	-5,516.9	1,238.4	458.1	354.8	103.30	4.435	
17,600.0	11,880.0	17,486.0	11,707.0	51.0	53.6	-67.60	-5,616.9	1,239.1	458.2	353.6	104.58	4.381	
17,700.0	11,880.0	17,586.0	11,707.0	51.7	54.2	-67.60	-5,716.9	1,239.7	458.2	352.3	105.86	4.328	
17,800.0	11,880.0	17,686.0	11,707.0	52.3	54.8	-67.60	-5,816.9	1,240.3	458.2	351.0	107.15	4.276	
17,900.0	11,880.0	17,786.0	11,707.0	53.0	55.5	-67.60	-5,916.9	1,241.0	458.2	349.7	108.45	4.225	
18,000.0	11,880.0	17,886.0	11,707.0	53.7	56.1	-67.60	-6,016.9	1,241.6	458.2	348.4	109.75	4.175	
18,100.0	11,880.0	17,986.0	11,707.0	54.3	56.8	-67.60	-6,116.9	1,242.3	458.2	347.1	111.06	4.126	
18,200.0	11,880.0	18,086.0	11,707.0	55.0	57.4	-67.60	-6,216.9	1,242.9	458.2	345.8	112.37	4.078	
18,300.0	11,880.0	18,186.0	11,707.0	55.7	58.1	-67.60	-6,316.9	1,243.6	458.2	344.5	113.68	4.031	
18,400.0	11,880.0	18,286.0	11,707.0	56.4	58.7	-67.60	-6,416.9	1,244.2	458.2	343.2	115.01	3.984	
18,500.0	11,880.0	18,386.0	11,707.0	57.0	59.4	-67.61	-6,516.9	1,244.9	458.2	341.9	116.33	3.939	
18,600.0	11,880.0	18,486.0	11,707.0	57.7	60.0	-67.61	-6,616.9	1,245.5	458.2	340.6	117.66	3.895	
18,700.0	11,880.0	18,586.0	11,707.0	58.4	60.7	-67.61	-6,716.9	1,246.2	458.3	339.3	119.00	3.851	
18,800.0	11,880.0	18,686.0	11,707.0	59.1	61.3	-67.61	-6,816.9	1,246.8	458.3	337.9	120.34	3.808	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor
18,900.0	11,880.0	18,786.0	11,707.0	59.8	62.0	-67.61	-6,916.9	1,247.5	458.3	336.6		121.68	3.766
19,000.0	11,880.0	18,886.0	11,707.0	60.5	62.7	-67.61	-7,016.9	1,248.1	458.3	335.3		123.03	3.725
19,100.0	11,880.0	18,986.0	11,707.0	61.2	63.4	-67.61	-7,116.9	1,248.7	458.3	333.9		124.38	3.685
19,200.0	11,880.0	19,086.0	11,707.0	61.9	64.0	-67.61	-7,216.9	1,249.4	458.3	332.6		125.73	3.645
19,300.0	11,880.0	19,186.0	11,707.0	62.6	64.7	-67.61	-7,316.9	1,250.0	458.3	331.2		127.09	3.606
19,400.0	11,880.0	19,286.0	11,707.0	63.3	65.4	-67.61	-7,416.9	1,250.7	458.3	329.9		128.45	3.568
19,500.0	11,880.0	19,386.0	11,707.0	64.0	66.0	-67.61	-7,516.9	1,251.3	458.3	328.5		129.82	3.531
19,600.0	11,880.0	19,486.0	11,707.0	64.7	66.7	-67.61	-7,616.9	1,252.0	458.3	327.1		131.19	3.494
19,700.0	11,880.0	19,586.0	11,707.0	65.4	67.4	-67.61	-7,716.9	1,252.6	458.3	325.8		132.56	3.458
19,800.0	11,880.0	19,686.0	11,707.0	66.1	68.1	-67.61	-7,816.9	1,253.3	458.4	324.4		133.93	3.422
19,900.0	11,880.0	19,786.0	11,707.0	66.8	68.8	-67.61	-7,916.9	1,253.9	458.4	323.0		135.31	3.387
20,000.0	11,880.0	19,886.0	11,707.0	67.5	69.5	-67.61	-8,016.9	1,254.6	458.4	321.7		136.69	3.353
20,100.0	11,880.0	19,986.0	11,707.0	68.2	70.2	-67.61	-8,116.8	1,255.2	458.4	320.3		138.08	3.320
20,200.0	11,880.0	20,086.0	11,707.0	68.9	70.8	-67.61	-8,216.8	1,255.9	458.4	318.9		139.46	3.287
20,300.0	11,880.0	20,186.0	11,707.0	69.6	71.5	-67.61	-8,316.8	1,256.5	458.4	317.5		140.85	3.254
20,400.0	11,880.0	20,286.0	11,707.0	70.3	72.2	-67.61	-8,416.8	1,257.1	458.4	316.2		142.24	3.223
20,500.0	11,880.0	20,386.0	11,707.0	71.0	72.9	-67.61	-8,516.8	1,257.8	458.4	314.8		143.64	3.191
20,600.0	11,880.0	20,486.0	11,707.0	71.8	73.6	-67.62	-8,616.8	1,258.4	458.4	313.4		145.03	3.161
20,700.0	11,880.0	20,586.0	11,707.0	72.5	74.3	-67.62	-8,716.8	1,259.1	458.4	312.0		146.43	3.131
20,800.0	11,880.0	20,686.0	11,707.0	73.2	75.0	-67.62	-8,816.8	1,259.7	458.4	310.6		147.83	3.101
20,900.0	11,880.0	20,786.0	11,707.0	73.9	75.7	-67.62	-8,916.8	1,260.4	458.4	309.2		149.23	3.072
21,000.0	11,880.0	20,886.0	11,707.0	74.6	76.4	-67.62	-9,016.8	1,261.0	458.5	307.8		150.64	3.043
21,100.0	11,880.0	20,986.0	11,707.0	75.3	77.1	-67.62	-9,116.8	1,261.7	458.5	306.4		152.05	3.015
21,200.0	11,880.0	21,086.0	11,707.0	76.1	77.8	-67.62	-9,216.8	1,262.3	458.5	305.0		153.46	2.988
21,300.0	11,880.0	21,186.0	11,707.0	76.8	78.5	-67.62	-9,316.8	1,263.0	458.5	303.6		154.87	2.960
21,400.0	11,880.0	21,286.0	11,707.0	77.5	79.2	-67.62	-9,416.8	1,263.6	458.5	302.2		156.28	2.934
21,500.0	11,880.0	21,386.0	11,707.0	78.2	79.9	-67.62	-9,516.8	1,264.3	458.5	300.8		157.70	2.908
21,600.0	11,880.0	21,486.0	11,707.0	78.9	80.6	-67.62	-9,616.8	1,264.9	458.5	299.4		159.11	2.882
21,700.0	11,880.0	21,586.0	11,707.0	79.7	81.3	-67.62	-9,716.8	1,265.6	458.5	298.0		160.53	2.856
21,732.1	11,880.0	21,618.1	11,707.0	79.9	81.6	-67.62	-9,748.9	1,265.8	458.5	297.5		160.99	2.848
21,782.1	11,880.0	21,668.1	11,707.0	80.3	81.9	-67.62	-9,798.9	1,266.1	458.5	296.9		161.60	2.837 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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-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	0.7	0.7	3.0	3.0	90.36	-0.4	60.0	60.0				
100.0	100.0	100.7	100.7	3.0	3.0	90.36	-0.4	60.0	60.0	53.5	6.52	9.204	
200.0	200.0	200.7	200.7	3.2	3.2	90.36	-0.4	60.0	60.0	53.3	6.76	8.877	
300.0	300.0	300.7	300.7	3.3	3.3	90.36	-0.4	60.0	60.0	53.0	6.99	8.584	
400.0	400.0	400.7	400.7	3.4	3.4	90.36	-0.4	60.0	60.0	52.8	7.22	8.318	
500.0	500.0	500.7	500.7	3.5	3.5	90.36	-0.4	60.0	60.0	52.6	7.43	8.076	
600.0	600.0	600.7	600.7	3.7	3.7	90.36	-0.4	60.0	60.0	52.4	7.64	7.855	
700.0	700.0	700.7	700.7	3.8	3.8	90.36	-0.4	60.0	60.0	52.2	7.84	7.651	
800.0	800.0	800.7	800.7	3.9	3.9	90.36	-0.4	60.0	60.0	52.0	8.04	7.463	
900.0	900.0	900.7	900.7	4.0	4.0	90.36	-0.4	60.0	60.0	51.8	8.24	7.288	
1,000.0	1,000.0	1,000.7	1,000.7	4.2	4.2	90.36	-0.4	60.0	60.0	51.6	8.42	7.125	
1,100.0	1,100.0	1,100.7	1,100.7	4.3	4.3	90.36	-0.4	60.0	60.0	51.4	8.61	6.973	
1,200.0	1,200.0	1,200.7	1,200.7	4.4	4.4	90.36	-0.4	60.0	60.0	51.2	8.79	6.830	
1,300.0	1,300.0	1,300.7	1,300.7	4.5	4.5	90.36	-0.4	60.0	60.0	51.1	8.96	6.696	
1,400.0	1,400.0	1,400.7	1,400.7	4.6	4.6	90.36	-0.4	60.0	60.0	50.9	9.14	6.570	
1,466.4	1,466.4	1,467.2	1,467.2	4.7	4.7	90.36	-0.4	60.0	60.0	50.8	9.25	6.491 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	90.36	-0.4	60.0	60.0	50.7	9.30	6.452 ES	
1,600.0	1,600.0	1,598.7	1,598.7	4.9	4.8	45.98	-0.1	61.7	60.8	51.2	9.59	6.343	
1,700.0	1,699.9	1,696.6	1,696.4	5.1	5.0	47.75	0.6	66.7	63.2	53.2	10.03	6.306	
1,800.0	1,799.7	1,794.3	1,793.7	5.3	5.2	50.40	1.7	75.0	67.3	56.8	10.47	6.431	
1,900.0	1,899.3	1,891.7	1,890.5	5.5	5.5	53.59	3.3	86.5	73.2	62.3	10.91	6.714	
2,000.0	1,998.6	1,988.8	1,986.4	5.7	5.8	56.98	5.4	101.2	81.1	69.8	11.35	7.150	
2,033.3	2,031.6	2,021.1	2,018.2	5.8	5.9	58.10	6.2	106.8	84.2	72.7	11.46	7.350	
2,100.0	2,097.6	2,085.5	2,081.5	5.9	6.2	52.05	7.9	119.1	90.6	78.8	11.72	7.728	
2,200.0	2,196.3	2,182.1	2,175.7	6.2	6.5	44.04	10.9	140.1	99.9	87.7	12.22	8.179	
2,300.0	2,294.6	2,279.5	2,270.0	6.5	6.8	37.26	14.3	164.3	108.7	96.1	12.67	8.580	
2,342.6	2,336.3	2,322.1	2,311.1	6.6	6.9	34.81	15.8	175.2	111.8	98.9	12.86	8.689	
2,400.0	2,392.4	2,379.3	2,366.4	6.8	7.1	34.96	17.9	189.8	115.4	102.2	13.16	8.771	
2,500.0	2,490.2	2,479.1	2,462.8	7.1	7.5	35.19	21.5	215.4	121.8	108.0	13.75	8.854	
2,600.0	2,588.1	2,578.9	2,559.2	7.4	7.8	35.40	25.1	241.0	128.1	113.7	14.37	8.912	
2,700.0	2,685.9	2,678.7	2,655.6	7.8	8.2	35.59	28.6	266.6	134.5	119.4	15.02	8.952	
2,800.0	2,783.7	2,778.5	2,752.0	8.2	8.6	35.77	32.2	292.1	140.8	125.1	15.69	8.977	
2,900.0	2,881.5	2,878.3	2,848.4	8.5	9.0	35.93	35.8	317.7	147.2	130.8	16.37	8.990	
3,000.0	2,979.3	2,978.1	2,944.8	8.9	9.4	36.07	39.4	343.3	153.6	136.5	17.07	8.995	
3,100.0	3,077.1	3,077.9	3,041.2	9.3	9.8	36.21	43.0	368.9	159.9	142.1	17.78	8.992	
3,200.0	3,174.9	3,177.7	3,137.5	9.7	10.3	36.33	46.6	394.5	166.3	147.8	18.51	8.983	
3,300.0	3,272.8	3,277.5	3,233.9	10.1	10.7	36.44	50.2	420.0	172.6	153.4	19.25	8.971	
3,400.0	3,370.6	3,377.3	3,330.3	10.6	11.1	36.55	53.8	445.6	179.0	159.0	19.99	8.955	
3,500.0	3,468.4	3,477.1	3,426.7	11.0	11.6	36.65	57.4	471.2	185.4	164.6	20.74	8.937	
3,600.0	3,566.2	3,576.9	3,523.1	11.4	12.0	36.74	61.0	496.8	191.7	170.2	21.50	8.917	
3,700.0	3,664.0	3,676.7	3,619.5	11.8	12.5	36.83	64.6	522.3	198.1	175.8	22.27	8.896	
3,800.0	3,761.8	3,776.5	3,715.9	12.3	12.9	36.91	68.2	547.9	204.5	181.4	23.04	8.874	
3,900.0	3,859.6	3,876.3	3,812.3	12.7	13.4	36.99	71.8	573.5	210.8	187.0	23.82	8.851	
4,000.0	3,957.5	3,976.1	3,908.7	13.1	13.8	37.06	75.4	599.1	217.2	192.6	24.60	8.829	
4,100.0	4,055.3	4,075.9	4,005.1	13.6	14.3	37.13	79.0	624.7	223.6	198.2	25.39	8.806	
4,200.0	4,153.1	4,175.7	4,101.5	14.0	14.8	37.19	82.6	650.2	229.9	203.8	26.18	8.783	
4,300.0	4,250.9	4,275.5	4,197.9	14.5	15.2	37.25	86.2	675.8	236.3	209.3	26.97	8.761	
4,400.0	4,348.7	4,375.3	4,294.3	14.9	15.7	37.31	89.8	701.4	242.7	214.9	27.77	8.739	
4,500.0	4,446.5	4,475.1	4,390.7	15.4	16.2	37.36	93.4	727.0	249.0	220.5	28.57	8.717	
4,600.0	4,544.4	4,574.9	4,487.1	15.8	16.6	37.42	96.9	752.5	255.4	226.0	29.37	8.696	
4,700.0	4,642.2	4,674.6	4,583.5	16.3	17.1	37.47	100.5	778.1	261.8	231.6	30.18	8.675	
4,800.0	4,740.0	4,774.4	4,679.9	16.7	17.6	37.51	104.1	803.7	268.2	237.2	30.99	8.654	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-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)			
4,900.0	4,837.8	4,874.2	4,776.3	17.2	18.1	37.56	107.7	829.3	274.5	242.7	31.80	8.634	
5,000.0	4,935.6	4,974.0	4,872.7	17.6	18.5	37.60	111.3	854.9	280.9	248.3	32.61	8.615	
5,100.0	5,033.4	5,073.8	4,969.1	18.1	19.0	37.64	114.9	880.4	287.3	253.8	33.42	8.596	
5,200.0	5,131.2	5,173.6	5,065.5	18.6	19.5	37.68	118.5	906.0	293.6	259.4	34.23	8.577	
5,289.7	5,219.0	5,263.2	5,152.0	19.0	19.9	37.71	121.7	929.0	299.4	264.4	34.96	8.562	
5,300.0	5,229.1	5,273.4	5,161.9	19.0	20.0	37.72	122.1	931.6	300.0	265.0	35.04	8.562	
5,400.0	5,327.1	5,373.2	5,258.2	19.5	20.4	37.68	125.7	957.2	307.2	271.3	35.91	8.556	
5,500.0	5,425.4	5,472.8	5,354.4	19.9	20.9	37.46	129.3	982.7	315.8	279.0	36.79	8.585	
5,600.0	5,524.1	5,572.3	5,450.5	20.4	21.4	37.07	132.9	1,008.2	325.8	288.1	37.70	8.641	
5,700.0	5,623.0	5,671.5	5,546.4	20.8	21.9	36.54	136.5	1,033.6	337.2	298.5	38.65	8.724	
5,800.0	5,722.2	5,770.6	5,642.1	21.2	22.4	35.89	140.0	1,059.0	350.0	310.4	39.62	8.833	
5,900.0	5,821.6	5,869.5	5,737.6	21.6	22.8	35.14	143.6	1,084.4	364.3	323.7	40.62	8.969	
6,000.0	5,921.1	5,968.0	5,832.8	22.0	23.3	34.31	147.1	1,109.6	380.1	338.4	41.63	9.130	
6,100.0	6,020.8	6,066.3	5,927.7	22.4	23.8	33.42	150.7	1,134.8	397.4	354.7	42.64	9.319	
6,200.0	6,120.6	6,164.2	6,022.3	22.7	24.3	32.49	154.2	1,159.9	416.2	372.6	43.65	9.535	
6,300.0	6,220.6	6,261.8	6,116.6	23.1	24.8	31.54	157.7	1,184.9	436.7	392.0	44.66	9.778	
6,400.0	6,320.5	6,359.0	6,210.4	23.4	25.2	30.57	161.2	1,209.8	458.7	413.1	45.63	10.052	
6,489.7	6,410.2	6,445.8	6,294.3	23.5	25.7	102.70	164.3	1,232.1	479.9	433.5	46.42	10.339	
6,500.0	6,420.5	6,455.8	6,303.9	23.5	25.7	102.59	164.7	1,234.6	482.4	435.9	46.50	10.375	
6,600.0	6,520.5	6,552.4	6,397.2	23.5	26.2	101.56	168.2	1,259.4	506.8	459.5	47.29	10.717	
6,700.0	6,620.5	6,648.9	6,490.5	23.6	26.7	100.63	171.7	1,284.1	531.3	483.3	48.04	11.061	
6,800.0	6,720.5	6,745.5	6,583.8	23.6	27.1	99.78	175.1	1,308.9	556.0	507.2	48.77	11.400	
6,900.0	6,820.5	6,842.1	6,677.1	23.7	27.6	99.01	178.6	1,333.6	580.8	531.3	49.49	11.736	
7,000.0	6,920.5	6,938.7	6,770.4	23.7	28.1	98.29	182.1	1,358.4	605.6	555.4	50.19	12.067	
7,100.0	7,020.5	7,035.3	6,863.7	23.7	28.5	97.63	185.6	1,383.2	630.6	579.7	50.88	12.393	
7,200.0	7,120.5	7,138.2	6,963.2	23.8	29.0	96.99	189.2	1,409.3	655.4	603.8	51.60	12.700	
7,300.0	7,220.5	7,247.7	7,069.4	23.8	29.6	96.41	192.9	1,435.3	678.6	626.3	52.35	12.964	
7,400.0	7,320.5	7,358.1	7,177.1	23.8	30.1	95.90	196.3	1,459.5	700.1	647.0	53.05	13.196	
7,500.0	7,420.5	7,469.4	7,286.2	23.9	30.6	95.46	199.4	1,481.8	719.8	666.1	53.72	13.398	
7,600.0	7,520.5	7,581.6	7,396.5	23.9	31.1	95.08	202.3	1,502.1	737.6	683.3	54.36	13.570	
7,700.0	7,620.5	7,694.6	7,507.9	24.0	31.6	94.76	204.9	1,520.5	753.6	698.7	54.96	13.713	
7,800.0	7,720.5	7,808.3	7,620.4	24.0	32.1	94.49	207.2	1,536.7	767.7	712.2	55.51	13.829	
7,900.0	7,820.5	7,922.6	7,733.9	24.0	32.6	94.26	209.1	1,550.8	779.9	723.8	56.03	13.918	
8,000.0	7,920.5	8,037.5	7,848.1	24.1	33.1	94.07	210.8	1,562.7	790.1	733.6	56.51	13.983	
8,100.0	8,020.5	8,152.7	7,962.9	24.1	33.5	93.93	212.2	1,572.4	798.4	741.5	56.93	14.023	
8,200.0	8,120.5	8,268.4	8,078.3	24.2	33.9	93.82	213.2	1,579.8	804.7	747.4	57.31	14.042	
8,300.0	8,220.5	8,384.2	8,194.1	24.2	34.3	93.74	213.9	1,584.9	809.1	751.5	57.62	14.041	
8,400.0	8,320.5	8,500.3	8,310.1	24.2	34.7	93.70	214.3	1,587.7	811.5	753.6	57.86	14.025	
8,500.0	8,420.5	8,611.5	8,421.3	24.3	34.8	93.69	214.4	1,588.2	811.9	754.1	57.88	14.028	
8,600.0	8,520.5	8,711.5	8,521.3	24.3	34.8	93.69	214.4	1,588.2	811.9	754.0	57.95	14.012	
8,700.0	8,620.5	8,811.5	8,621.3	24.4	34.8	93.69	214.4	1,588.2	811.9	753.9	58.01	13.997	
8,800.0	8,720.5	8,911.5	8,721.3	24.4	34.8	93.69	214.4	1,588.2	811.9	753.9	58.07	13.983	
8,900.0	8,820.5	9,011.5	8,821.3	24.4	34.9	93.69	214.4	1,588.2	811.9	753.8	58.13	13.968	
9,000.0	8,920.5	9,111.5	8,921.3	24.5	34.9	93.69	214.4	1,588.2	811.9	753.7	58.19	13.954	
9,100.0	9,020.5	9,211.5	9,021.3	24.5	34.9	93.69	214.4	1,588.2	811.9	753.7	58.25	13.939	
9,200.0	9,120.5	9,311.5	9,121.3	24.6	34.9	93.69	214.4	1,588.2	811.9	753.6	58.31	13.924	
9,300.0	9,220.5	9,411.5	9,221.3	24.6	35.0	93.69	214.4	1,588.2	811.9	753.6	58.37	13.909	
9,400.0	9,320.5	9,511.5	9,321.3	24.6	35.0	93.69	214.4	1,588.2	811.9	753.5	58.44	13.894	
9,500.0	9,420.5	9,611.5	9,421.3	24.7	35.0	93.69	214.4	1,588.2	811.9	753.4	58.50	13.879	
9,600.0	9,520.5	9,711.5	9,521.3	24.7	35.0	93.69	214.4	1,588.2	811.9	753.4	58.56	13.864	
9,700.0	9,620.5	9,811.5	9,621.3	24.8	35.1	93.69	214.4	1,588.2	811.9	753.3	58.63	13.849	
9,800.0	9,720.5	9,911.5	9,721.3	24.8	35.1	93.69	214.4	1,588.2	811.9	753.2	58.69	13.834	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.0	9,820.5	10,011.5	9,821.3	24.9	35.1	93.69	214.4	1,588.2	811.9	753.2	58.76	13.819	
10,000.0	9,920.5	10,111.5	9,921.3	24.9	35.1	93.69	214.4	1,588.2	811.9	753.1	58.82	13.803	
10,100.0	10,020.5	10,211.5	10,021.3	24.9	35.2	93.69	214.4	1,588.2	811.9	753.0	58.89	13.788	
10,200.0	10,120.5	10,311.5	10,121.3	25.0	35.2	93.69	214.4	1,588.2	811.9	753.0	58.95	13.773	
10,300.0	10,220.5	10,411.5	10,221.3	25.0	35.2	93.69	214.4	1,588.2	811.9	752.9	59.02	13.757	
10,400.0	10,320.5	10,511.5	10,321.3	25.1	35.2	93.69	214.4	1,588.2	811.9	752.8	59.09	13.742	
10,500.0	10,420.5	10,611.5	10,421.3	25.1	35.3	93.69	214.4	1,588.2	811.9	752.8	59.15	13.726	
10,600.0	10,520.5	10,711.5	10,521.3	25.2	35.3	93.69	214.4	1,588.2	811.9	752.7	59.22	13.711	
10,700.0	10,620.5	10,811.5	10,621.3	25.2	35.3	93.69	214.4	1,588.2	811.9	752.6	59.29	13.695	
10,800.0	10,720.5	10,911.5	10,721.3	25.3	35.3	93.69	214.4	1,588.2	811.9	752.6	59.36	13.679	
10,900.0	10,820.5	11,011.5	10,821.3	25.3	35.4	93.69	214.4	1,588.2	811.9	752.5	59.42	13.664	
11,000.0	10,920.5	11,111.5	10,921.3	25.3	35.4	93.69	214.4	1,588.2	811.9	752.4	59.49	13.648	
11,100.0	11,020.5	11,211.5	11,021.3	25.4	35.4	93.69	214.4	1,588.2	811.9	752.4	59.56	13.632	
11,200.0	11,120.5	11,311.5	11,121.3	25.4	35.5	93.69	214.4	1,588.2	811.9	752.3	59.63	13.616	
11,300.0	11,220.5	11,411.5	11,221.3	25.5	35.5	93.69	214.4	1,588.2	811.9	752.2	59.70	13.600	
11,386.5	11,307.0	11,498.0	11,307.8	25.5	35.5	93.69	214.4	1,588.2	811.9	752.2	59.75	13.589	
11,387.9	11,308.4	11,499.3	11,309.0	25.5	35.5	-85.94	214.4	1,588.2	811.9	752.2	59.75	13.588	
11,400.0	11,320.5	11,509.6	11,319.4	25.5	35.5	-85.95	214.3	1,588.2	811.9	752.2	59.77	13.583	
11,450.0	11,370.4	11,550.0	11,359.7	25.5	35.5	-85.97	212.2	1,588.4	812.1	752.1	59.91	13.554	
11,500.0	11,419.8	11,594.5	11,403.8	25.5	35.5	-86.02	206.5	1,588.7	812.3	752.3	60.00	13.538	
11,550.0	11,468.3	11,637.0	11,445.4	25.5	35.5	-86.10	198.0	1,589.3	812.8	752.6	60.13	13.517	
11,600.0	11,515.6	11,679.6	11,486.4	25.6	35.5	-86.20	186.3	1,590.0	813.4	753.1	60.26	13.498	
11,650.0	11,561.3	11,722.4	11,526.6	25.6	35.5	-86.32	171.6	1,590.9	814.1	753.7	60.39	13.482	
11,700.0	11,605.1	11,765.4	11,565.7	25.6	35.5	-86.46	153.8	1,592.1	815.0	754.5	60.52	13.468	
11,750.0	11,646.6	11,808.5	11,603.5	25.6	35.5	-86.63	133.1	1,593.4	816.1	755.5	60.64	13.459	
11,800.0	11,685.6	11,850.0	11,638.3	25.6	35.6	-86.80	110.6	1,594.8	817.4	756.6	60.79	13.447	
11,850.0	11,721.6	11,895.7	11,674.6	25.6	35.6	-87.02	82.9	1,596.5	818.8	757.9	60.87	13.452	
11,900.0	11,754.5	11,939.8	11,707.4	25.7	35.6	-87.25	53.6	1,598.4	820.4	759.4	60.97	13.456	
11,950.0	11,784.0	11,984.2	11,738.1	25.7	35.6	-87.49	21.5	1,600.4	822.1	761.1	61.06	13.464	
12,000.0	11,809.8	12,029.0	11,766.5	25.7	35.6	-87.75	-13.1	1,602.6	824.1	762.9	61.14	13.478	
12,050.0	11,831.9	12,074.3	11,792.3	25.8	35.6	-88.02	-50.3	1,604.9	826.1	764.9	61.21	13.497	
12,100.0	11,849.9	12,120.2	11,815.3	25.8	35.6	-88.30	-89.7	1,607.4	828.3	767.1	61.26	13.521	
12,150.0	11,863.8	12,166.5	11,835.4	25.9	35.7	-88.60	-131.5	1,610.0	830.7	769.4	61.30	13.551	
12,200.0	11,873.5	12,213.4	11,852.1	25.9	35.7	-88.91	-175.2	1,612.8	833.2	771.8	61.33	13.585	
12,250.0	11,878.8	12,261.0	11,865.4	26.0	35.7	-89.22	-220.8	1,615.6	835.8	774.4	61.35	13.624	
12,286.5	11,880.0	12,296.2	11,872.8	26.0	35.8	-89.45	-255.1	1,617.8	837.7	776.4	61.35	13.655	
12,300.0	11,880.0	12,309.3	11,875.0	26.0	35.8	-89.60	-268.0	1,618.6	838.5	777.1	61.35	13.666	
12,400.0	11,880.0	12,412.5	11,882.0	26.2	35.9	-90.08	-370.6	1,625.0	844.1	782.6	61.46	13.735	
12,500.0	11,880.0	12,554.3	11,882.0	26.3	36.1	-90.08	-512.4	1,629.8	846.8	785.5	61.34	13.804	
12,600.0	11,880.0	12,656.2	11,882.0	26.5	36.2	-90.08	-614.2	1,630.4	846.8	785.2	61.60	13.747	
12,700.0	11,880.0	12,756.2	11,882.0	26.7	36.4	-90.08	-714.2	1,631.1	846.8	784.9	61.91	13.677	
12,800.0	11,880.0	12,856.2	11,882.0	26.9	36.5	-90.08	-814.2	1,631.7	846.8	784.6	62.26	13.601	
12,900.0	11,880.0	12,956.2	11,882.0	27.1	36.7	-90.08	-914.2	1,632.4	846.9	784.2	62.65	13.518	
13,000.0	11,880.0	13,056.2	11,882.0	27.4	36.9	-90.08	-1,014.2	1,633.0	846.9	783.8	63.06	13.429	
13,100.0	11,880.0	13,156.2	11,882.0	27.6	37.1	-90.08	-1,114.2	1,633.7	846.9	783.4	63.52	13.333	
13,200.0	11,880.0	13,256.2	11,882.0	27.9	37.4	-90.08	-1,214.2	1,634.3	846.9	782.9	64.00	13.233	
13,300.0	11,880.0	13,356.2	11,882.0	28.2	37.6	-90.08	-1,314.2	1,635.0	846.9	782.4	64.51	13.128	
13,400.0	11,880.0	13,456.2	11,882.0	28.5	37.9	-90.08	-1,414.2	1,635.6	846.9	781.9	65.06	13.018	
13,500.0	11,880.0	13,556.2	11,882.0	28.9	38.1	-90.08	-1,514.2	1,636.3	846.9	781.3	65.64	12.903	
13,600.0	11,880.0	13,656.2	11,882.0	29.2	38.4	-90.08	-1,614.2	1,636.9	846.9	780.7	66.24	12.786	
13,700.0	11,880.0	13,756.2	11,882.0	29.6	38.7	-90.08	-1,714.2	1,637.6	847.0	780.1	66.88	12.664	
13,800.0	11,880.0	13,856.2	11,882.0	29.9	39.0	-90.08	-1,814.2	1,638.2	847.0	779.4	67.54	12.540	

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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-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)			
13,900.0	11,880.0	13,956.2	11,882.0	30.3	39.3	-90.08	-1,914.2	1,638.9	847.0	778.8	68.23	12.414	
14,000.0	11,880.0	14,056.2	11,882.0	30.7	39.6	-90.08	-2,014.2	1,639.5	847.0	778.1	68.94	12.285	
14,100.0	11,880.0	14,156.2	11,882.0	31.1	40.0	-90.08	-2,114.2	1,640.2	847.0	777.3	69.69	12.155	
14,200.0	11,880.0	14,256.2	11,882.0	31.5	40.3	-90.08	-2,214.2	1,640.8	847.0	776.6	70.45	12.023	
14,300.0	11,880.0	14,356.2	11,882.0	32.0	40.7	-90.08	-2,314.2	1,641.5	847.0	775.8	71.24	11.890	
14,400.0	11,880.0	14,456.2	11,882.0	32.4	41.1	-90.08	-2,414.2	1,642.1	847.0	775.0	72.05	11.756	
14,500.0	11,880.0	14,556.2	11,882.0	32.9	41.4	-90.08	-2,514.2	1,642.8	847.1	774.2	72.89	11.621	
14,600.0	11,880.0	14,656.2	11,882.0	33.4	41.8	-90.08	-2,614.2	1,643.4	847.1	773.3	73.74	11.487	
14,700.0	11,880.0	14,756.2	11,882.0	33.8	42.2	-90.08	-2,714.2	1,644.1	847.1	772.5	74.62	11.352	
14,800.0	11,880.0	14,856.2	11,882.0	34.3	42.6	-90.08	-2,814.2	1,644.7	847.1	771.6	75.52	11.217	
14,900.0	11,880.0	14,956.2	11,882.0	34.8	43.1	-90.08	-2,914.2	1,645.4	847.1	770.7	76.43	11.083	
15,000.0	11,880.0	15,056.2	11,882.0	35.4	43.5	-90.08	-3,014.2	1,646.0	847.1	769.8	77.37	10.949	
15,100.0	11,880.0	15,156.2	11,882.0	35.9	43.9	-90.08	-3,114.2	1,646.7	847.1	768.8	78.32	10.816	
15,200.0	11,880.0	15,256.2	11,882.0	36.4	44.4	-90.08	-3,214.2	1,647.3	847.1	767.9	79.29	10.684	
15,300.0	11,880.0	15,356.2	11,882.0	36.9	44.8	-90.08	-3,314.2	1,648.0	847.2	766.9	80.28	10.553	
15,400.0	11,880.0	15,456.2	11,882.0	37.5	45.3	-90.08	-3,414.2	1,648.6	847.2	765.9	81.28	10.423	
15,500.0	11,880.0	15,556.2	11,882.0	38.0	45.8	-90.08	-3,514.2	1,649.3	847.2	764.9	82.30	10.294	
15,600.0	11,880.0	15,656.2	11,882.0	38.6	46.2	-90.08	-3,614.2	1,649.9	847.2	763.9	83.33	10.167	
15,700.0	11,880.0	15,756.2	11,882.0	39.2	46.7	-90.08	-3,714.2	1,650.6	847.2	762.8	84.38	10.041	
15,800.0	11,880.0	15,856.2	11,882.0	39.8	47.2	-90.08	-3,814.2	1,651.2	847.2	761.8	85.44	9.916	
15,900.0	11,880.0	15,956.2	11,882.0	40.3	47.7	-90.08	-3,914.2	1,651.9	847.2	760.7	86.51	9.793	
16,000.0	11,880.0	16,056.2	11,882.0	40.9	48.2	-90.08	-4,014.2	1,652.5	847.3	759.6	87.60	9.672	
16,100.0	11,880.0	16,156.2	11,882.0	41.5	48.7	-90.08	-4,114.2	1,653.2	847.3	758.6	88.70	9.552	
16,200.0	11,880.0	16,256.2	11,882.0	42.1	49.2	-90.08	-4,214.2	1,653.8	847.3	757.5	89.81	9.434	
16,300.0	11,880.0	16,356.2	11,882.0	42.7	49.8	-90.08	-4,314.2	1,654.5	847.3	756.4	90.94	9.317	
16,400.0	11,880.0	16,456.2	11,882.0	43.3	50.3	-90.08	-4,414.2	1,655.1	847.3	755.2	92.07	9.203	
16,500.0	11,880.0	16,556.2	11,882.0	44.0	50.8	-90.08	-4,514.2	1,655.8	847.3	754.1	93.21	9.090	
16,600.0	11,880.0	16,656.2	11,882.0	44.6	51.4	-90.08	-4,614.2	1,656.4	847.3	753.0	94.37	8.979	
16,700.0	11,880.0	16,756.2	11,882.0	45.2	51.9	-90.08	-4,714.2	1,657.1	847.3	751.8	95.53	8.870	
16,800.0	11,880.0	16,856.2	11,882.0	45.8	52.5	-90.08	-4,814.2	1,657.7	847.4	750.6	96.71	8.762	
16,900.0	11,880.0	16,956.2	11,882.0	46.5	53.0	-90.08	-4,914.2	1,658.4	847.4	749.5	97.89	8.656	
17,000.0	11,880.0	17,056.2	11,882.0	47.1	53.6	-90.08	-5,014.1	1,659.0	847.4	748.3	99.08	8.552	
17,100.0	11,880.0	17,156.2	11,882.0	47.7	54.2	-90.08	-5,114.1	1,659.7	847.4	747.1	100.28	8.450	
17,200.0	11,880.0	17,256.2	11,882.0	48.4	54.7	-90.08	-5,214.1	1,660.3	847.4	745.9	101.49	8.349	
17,300.0	11,880.0	17,356.2	11,882.0	49.0	55.3	-90.08	-5,314.1	1,661.0	847.4	744.7	102.71	8.251	
17,400.0	11,880.0	17,456.2	11,882.0	49.7	55.9	-90.08	-5,414.1	1,661.6	847.4	743.5	103.93	8.154	
17,500.0	11,880.0	17,556.2	11,882.0	50.3	56.5	-90.08	-5,514.1	1,662.3	847.4	742.3	105.16	8.058	
17,600.0	11,880.0	17,656.2	11,882.0	51.0	57.1	-90.08	-5,614.1	1,662.9	847.5	741.1	106.40	7.965	
17,700.0	11,880.0	17,756.2	11,882.0	51.7	57.7	-90.08	-5,714.1	1,663.6	847.5	739.8	107.65	7.873	
17,800.0	11,880.0	17,856.2	11,882.0	52.3	58.2	-90.08	-5,814.1	1,664.2	847.5	738.6	108.90	7.782	
17,900.0	11,880.0	17,956.2	11,882.0	53.0	58.9	-90.08	-5,914.1	1,664.9	847.5	737.3	110.16	7.693	
18,000.0	11,880.0	18,056.2	11,882.0	53.7	59.5	-90.08	-6,014.1	1,665.5	847.5	736.1	111.42	7.606	
18,100.0	11,880.0	18,156.2	11,882.0	54.3	60.1	-90.08	-6,114.1	1,666.2	847.5	734.8	112.69	7.520	
18,200.0	11,880.0	18,256.2	11,882.0	55.0	60.7	-90.08	-6,214.1	1,666.8	847.5	733.6	113.97	7.436	
18,300.0	11,880.0	18,356.2	11,882.0	55.7	61.3	-90.08	-6,314.1	1,667.5	847.5	732.3	115.25	7.354	
18,400.0	11,880.0	18,456.2	11,882.0	56.4	61.9	-90.08	-6,414.1	1,668.1	847.6	731.0	116.54	7.273	
18,500.0	11,880.0	18,556.2	11,882.0	57.0	62.5	-90.08	-6,514.1	1,668.8	847.6	729.7	117.83	7.193	
18,600.0	11,880.0	18,656.2	11,882.0	57.7	63.2	-90.08	-6,614.1	1,669.4	847.6	728.5	119.13	7.115	
18,700.0	11,880.0	18,756.2	11,882.0	58.4	63.8	-90.08	-6,714.1	1,670.1	847.6	727.2	120.43	7.038	
18,800.0	11,880.0	18,856.2	11,882.0	59.1	64.4	-90.08	-6,814.1	1,670.7	847.6	725.9	121.74	6.962	
18,900.0	11,880.0	18,956.2	11,882.0	59.8	65.0	-90.08	-6,914.1	1,671.4	847.6	724.6	123.05	6.888	
19,000.0	11,880.0	19,056.2	11,882.0	60.5	65.7	-90.08	-7,014.1	1,672.0	847.6	723.3	124.37	6.815	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-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
19,100.0	11,880.0	19,156.2	11,882.0	61.2	66.3	-90.08	-7,114.1	1,672.7	847.6	722.0	125.69	6.744	
19,200.0	11,880.0	19,256.2	11,882.0	61.9	67.0	-90.08	-7,214.1	1,673.3	847.7	720.6	127.01	6.674	
19,300.0	11,880.0	19,356.2	11,882.0	62.6	67.6	-90.08	-7,314.1	1,674.0	847.7	719.3	128.34	6.605	
19,400.0	11,880.0	19,456.2	11,882.0	63.3	68.3	-90.08	-7,414.1	1,674.6	847.7	718.0	129.68	6.537	
19,500.0	11,880.0	19,556.2	11,882.0	64.0	68.9	-90.08	-7,514.1	1,675.3	847.7	716.7	131.01	6.470	
19,600.0	11,880.0	19,656.2	11,882.0	64.7	69.6	-90.08	-7,614.1	1,675.9	847.7	715.4	132.35	6.405	
19,700.0	11,880.0	19,756.2	11,882.0	65.4	70.2	-90.08	-7,714.1	1,676.5	847.7	714.0	133.70	6.341	
19,800.0	11,880.0	19,856.2	11,882.0	66.1	70.9	-90.08	-7,814.1	1,677.2	847.7	712.7	135.04	6.278	
19,900.0	11,880.0	19,956.2	11,882.0	66.8	71.5	-90.08	-7,914.1	1,677.8	847.8	711.4	136.39	6.215	
20,000.0	11,880.0	20,056.2	11,882.0	67.5	72.2	-90.08	-8,014.1	1,678.5	847.8	710.0	137.75	6.154	
20,100.0	11,880.0	20,156.2	11,882.0	68.2	72.8	-90.08	-8,114.1	1,679.1	847.8	708.7	139.10	6.095	
20,200.0	11,880.0	20,256.2	11,882.0	68.9	73.5	-90.08	-8,214.1	1,679.8	847.8	707.3	140.46	6.036	
20,300.0	11,880.0	20,356.2	11,882.0	69.6	74.2	-90.08	-8,314.1	1,680.4	847.8	706.0	141.83	5.978	
20,400.0	11,880.0	20,456.2	11,882.0	70.3	74.8	-90.08	-8,414.1	1,681.1	847.8	704.6	143.19	5.921	
20,500.0	11,880.0	20,556.2	11,882.0	71.0	75.5	-90.08	-8,514.1	1,681.7	847.8	703.3	144.56	5.865	
20,600.0	11,880.0	20,656.2	11,882.0	71.8	76.2	-90.08	-8,614.1	1,682.4	847.8	701.9	145.93	5.810	
20,700.0	11,880.0	20,756.2	11,882.0	72.5	76.8	-90.08	-8,714.1	1,683.0	847.9	700.5	147.31	5.756	
20,800.0	11,880.0	20,856.2	11,882.0	73.2	77.5	-90.08	-8,814.1	1,683.7	847.9	699.2	148.68	5.703	
20,900.0	11,880.0	20,956.2	11,882.0	73.9	78.2	-90.08	-8,914.1	1,684.3	847.9	697.8	150.06	5.650	
21,000.0	11,880.0	21,056.2	11,882.0	74.6	78.9	-90.08	-9,014.1	1,685.0	847.9	696.5	151.44	5.599	
21,100.0	11,880.0	21,156.2	11,882.0	75.3	79.6	-90.08	-9,114.1	1,685.6	847.9	695.1	152.83	5.548	
21,200.0	11,880.0	21,256.2	11,882.0	76.1	80.2	-90.08	-9,214.1	1,686.3	847.9	693.7	154.21	5.498	
21,300.0	11,880.0	21,356.2	11,882.0	76.8	80.9	-90.08	-9,314.1	1,686.9	847.9	692.3	155.60	5.449	
21,400.0	11,880.0	21,456.2	11,882.0	77.5	81.6	-90.08	-9,414.1	1,687.6	847.9	691.0	156.99	5.401	
21,500.0	11,880.0	21,556.2	11,882.0	78.2	82.3	-90.08	-9,514.1	1,688.2	848.0	689.6	158.38	5.354	
21,600.0	11,880.0	21,656.2	11,882.0	78.9	83.0	-90.08	-9,614.1	1,688.9	848.0	688.2	159.78	5.307	
21,700.0	11,880.0	21,756.2	11,882.0	79.7	83.7	-90.08	-9,714.0	1,689.5	848.0	686.8	161.18	5.261	
21,732.1	11,880.0	21,788.3	11,882.0	79.9	83.9	-90.08	-9,746.1	1,689.7	848.0	686.4	161.62	5.247	
21,782.1	11,880.0	21,838.3	11,882.0	80.3	84.2	-90.08	-9,796.1	1,690.1	848.0	685.7	162.32	5.224 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 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=30ft @ 3198.6usft

Offset Depths are relative to Offset Datum

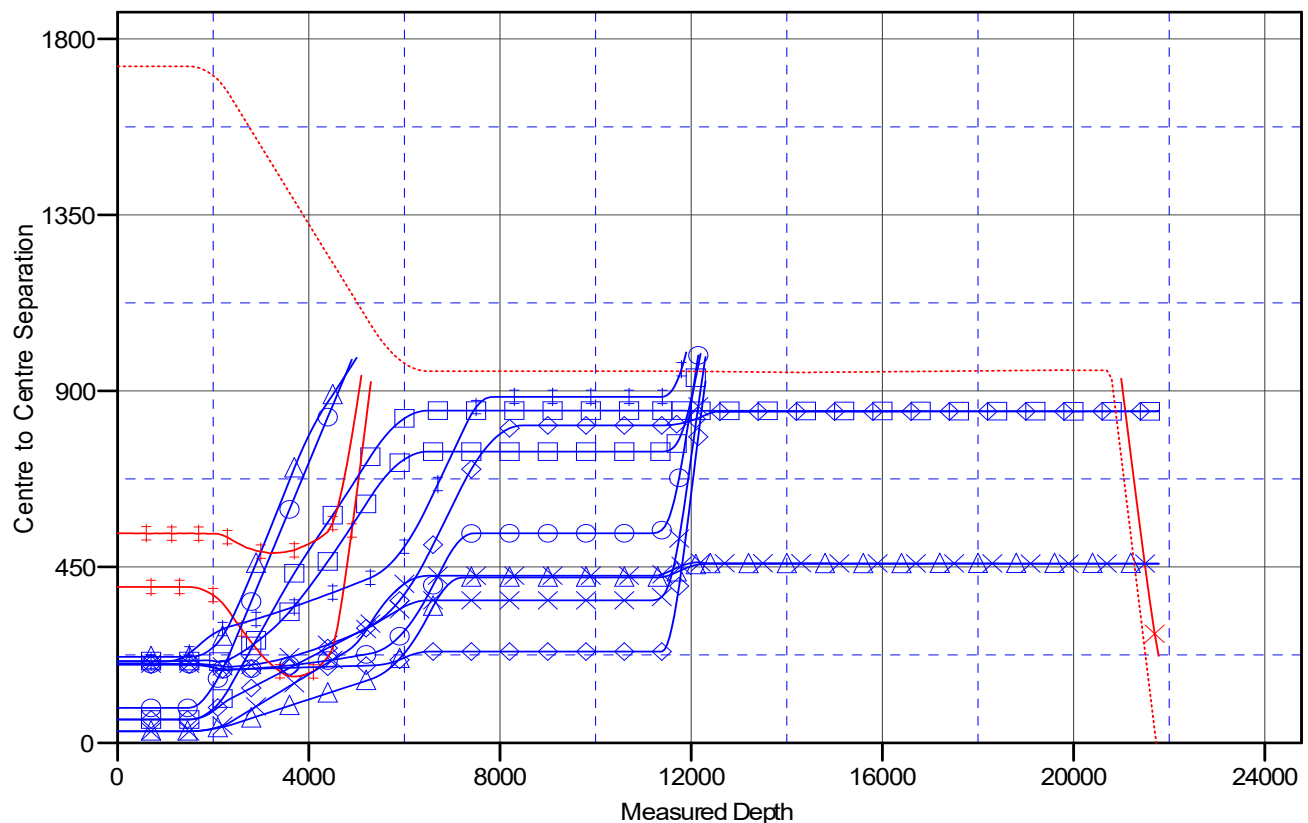
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #762H

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

THRESHER 55-1-12 UNIT A #8H OWB, AWP V0	ZIA HILLS UNIT 1932 WC #713H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #709H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #711H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #758H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #714H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #763H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #764H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #710H OWB, PWP1 V0
CONOCO FEDERAL #2 OWB, AWP V0	ZIA HILLS UNIT 1932 WC #712H OWB, PWP1 V0	RUSSELL 19 FEDERAL #2 (P&A), OWB, AWP V0
ZIA HILLS UNIT 1932 WC #760H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #761H OWB, PWP1 V0	

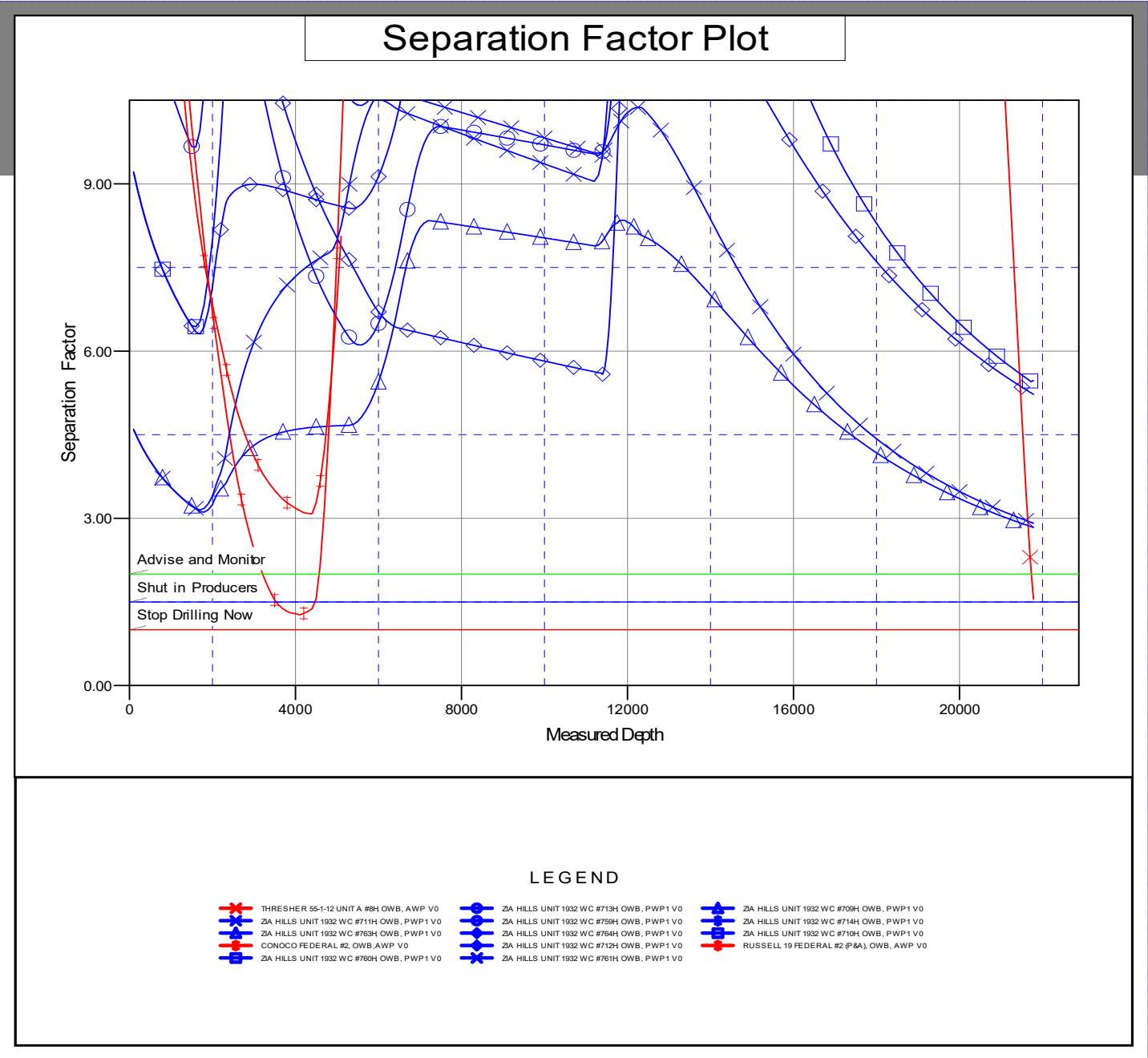
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #762H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=30ft @ 3198.6usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #762H
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 1932 PROJECT

ZIA HILLS UNIT 1932 WC #762H

OWB

Plan: PWP1

Standard Planning Report

09 May, 2023

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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 1932 PROJECT		
Site Position:		Northing:	374,169.81 usft
From:	Map	Easting:	692,465.85 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 37.871 N
		Longitude:	103° 42' 44.234 W

Well	ZIA HILLS UNIT 1932 WC #762H		
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' 37.857 N
		Longitude:	103° 42' 42.982 W
		Ground Level:	3,168.6 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2023	8/1/2024	6.28	59.51	47,172.08225256

Design	PWP1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	175.09	

Plan Survey Tool Program		Date	5/9/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp		
2	1,500.0	11,386.5 PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,386.5	21,782.1 PWP1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-Si		

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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	
2,033.3	8.00	45.00	2,031.6	26.3	26.3	1.50	1.50	0.00	45.00	
2,342.6	12.00	73.00	2,336.3	50.9	72.3	2.00	1.29	9.05	64.93	
5,289.7	12.00	73.00	5,219.0	230.1	658.3	0.00	0.00	0.00	0.00	
6,489.7	0.00	0.00	6,410.2	266.7	778.0	1.00	-1.00	0.00	180.00	
11,386.5	0.00	0.00	11,307.0	266.7	778.0	0.00	0.00	0.00	0.00	
12,286.5	90.00	179.64	11,880.0	-306.3	781.6	10.00	10.00	19.96	179.64	
21,732.1	90.00	179.64	11,880.0	-9,751.6	841.8	0.00	0.00	0.00	0.00	
21,782.1	90.00	179.64	11,880.0	-9,801.6	842.1	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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 1.50									
1,600.0	1.50	45.00	1,600.0	0.9	0.9	-0.8	1.50	1.50	0.00
1,700.0	3.00	45.00	1,699.9	3.7	3.7	-3.4	1.50	1.50	0.00
1,800.0	4.50	45.00	1,799.7	8.3	8.3	-7.6	1.50	1.50	0.00
1,900.0	6.00	45.00	1,899.3	14.8	14.8	-13.5	1.50	1.50	0.00
2,000.0	7.50	45.00	1,998.6	23.1	23.1	-21.0	1.50	1.50	0.00
2,033.3	8.00	45.00	2,031.6	26.3	26.3	-23.9	1.50	1.50	0.00
Start DLS 2.00 TFO 64.93									
2,100.0	8.65	53.06	2,097.6	32.6	33.6	-29.6	2.00	0.97	12.09
2,200.0	9.88	62.87	2,196.3	41.0	47.2	-36.8	2.00	1.23	9.82
2,300.0	11.33	70.37	2,294.6	48.2	64.1	-42.6	2.00	1.45	7.50
2,342.6	12.00	73.00	2,336.3	50.9	72.3	-44.6	2.00	1.56	6.17
Start 2947.1 hold at 2342.6 MD									
2,400.0	12.00	73.00	2,392.4	54.4	83.7	-47.1	0.00	0.00	0.00
2,500.0	12.00	73.00	2,490.2	60.5	103.6	-51.4	0.00	0.00	0.00
2,600.0	12.00	73.00	2,588.1	66.6	123.5	-55.8	0.00	0.00	0.00
2,700.0	12.00	73.00	2,685.9	72.7	143.4	-60.1	0.00	0.00	0.00
2,800.0	12.00	73.00	2,783.7	78.7	163.2	-64.5	0.00	0.00	0.00
2,900.0	12.00	73.00	2,881.5	84.8	183.1	-68.8	0.00	0.00	0.00
3,000.0	12.00	73.00	2,979.3	90.9	203.0	-73.2	0.00	0.00	0.00
3,100.0	12.00	73.00	3,077.1	97.0	222.9	-77.5	0.00	0.00	0.00
3,200.0	12.00	73.00	3,174.9	103.0	242.8	-81.9	0.00	0.00	0.00
3,300.0	12.00	73.00	3,272.8	109.1	262.6	-86.2	0.00	0.00	0.00
3,400.0	12.00	73.00	3,370.6	115.2	282.5	-90.6	0.00	0.00	0.00
3,500.0	12.00	73.00	3,468.4	121.3	302.4	-95.0	0.00	0.00	0.00
3,600.0	12.00	73.00	3,566.2	127.4	322.3	-99.3	0.00	0.00	0.00
3,700.0	12.00	73.00	3,664.0	133.4	342.2	-103.7	0.00	0.00	0.00
3,800.0	12.00	73.00	3,761.8	139.5	362.1	-108.0	0.00	0.00	0.00
3,900.0	12.00	73.00	3,859.6	145.6	381.9	-112.4	0.00	0.00	0.00
4,000.0	12.00	73.00	3,957.5	151.7	401.8	-116.7	0.00	0.00	0.00
4,100.0	12.00	73.00	4,055.3	157.8	421.7	-121.1	0.00	0.00	0.00
4,200.0	12.00	73.00	4,153.1	163.8	441.6	-125.4	0.00	0.00	0.00
4,300.0	12.00	73.00	4,250.9	169.9	461.5	-129.8	0.00	0.00	0.00
4,400.0	12.00	73.00	4,348.7	176.0	481.4	-134.1	0.00	0.00	0.00
4,500.0	12.00	73.00	4,446.5	182.1	501.2	-138.5	0.00	0.00	0.00
4,600.0	12.00	73.00	4,544.4	188.1	521.1	-142.9	0.00	0.00	0.00
4,700.0	12.00	73.00	4,642.2	194.2	541.0	-147.2	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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)
4,800.0	12.00	73.00	4,740.0	200.3	560.9	-151.6	0.00	0.00	0.00
4,900.0	12.00	73.00	4,837.8	206.4	580.8	-155.9	0.00	0.00	0.00
5,000.0	12.00	73.00	4,935.6	212.5	600.7	-160.3	0.00	0.00	0.00
5,100.0	12.00	73.00	5,033.4	218.5	620.5	-164.6	0.00	0.00	0.00
5,200.0	12.00	73.00	5,131.2	224.6	640.4	-169.0	0.00	0.00	0.00
5,289.7	12.00	73.00	5,219.0	230.1	658.3	-172.9	0.00	0.00	0.00
Start Drop -1.00									
5,300.0	11.90	73.00	5,229.1	230.7	660.3	-173.3	1.00	-1.00	0.00
5,400.0	10.90	73.00	5,327.1	236.5	679.2	-177.5	1.00	-1.00	0.00
5,500.0	9.90	73.00	5,425.4	241.8	696.4	-181.3	1.00	-1.00	0.00
5,600.0	8.90	73.00	5,524.1	246.5	712.1	-184.7	1.00	-1.00	0.00
5,700.0	7.90	73.00	5,623.0	250.8	726.0	-187.7	1.00	-1.00	0.00
5,800.0	6.90	73.00	5,722.2	254.6	738.3	-190.4	1.00	-1.00	0.00
5,900.0	5.90	73.00	5,821.6	257.8	749.0	-192.8	1.00	-1.00	0.00
6,000.0	4.90	73.00	5,921.1	260.6	758.0	-194.7	1.00	-1.00	0.00
6,100.0	3.90	73.00	6,020.8	262.8	765.3	-196.3	1.00	-1.00	0.00
6,200.0	2.90	73.00	6,120.6	264.5	771.0	-197.6	1.00	-1.00	0.00
6,300.0	1.90	73.00	6,220.6	265.8	775.0	-198.5	1.00	-1.00	0.00
6,400.0	0.90	73.00	6,320.5	266.5	777.3	-199.0	1.00	-1.00	0.00
6,489.7	0.00	0.00	6,410.2	266.7	778.0	-199.1	1.00	-1.00	0.00
Start 4896.8 hold at 6489.7 MD									
6,500.0	0.00	0.00	6,420.5	266.7	778.0	-199.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,520.5	266.7	778.0	-199.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,620.5	266.7	778.0	-199.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,720.5	266.7	778.0	-199.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,820.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,920.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,100.0	0.00	0.00	7,020.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,120.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,220.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,320.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,420.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,520.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,620.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,720.5	266.7	778.0	-199.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,820.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,920.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,100.0	0.00	0.00	8,020.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,200.0	0.00	0.00	8,120.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,220.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,320.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,420.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,520.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,620.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,720.5	266.7	778.0	-199.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,820.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,920.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,100.0	0.00	0.00	9,020.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,200.0	0.00	0.00	9,120.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,300.0	0.00	0.00	9,220.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,400.0	0.00	0.00	9,320.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,420.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,520.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,620.5	266.7	778.0	-199.1	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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)
9,800.0	0.00	0.00	9,720.5	266.7	778.0	-199.1	0.00	0.00	0.00
9,900.0	0.00	0.00	9,820.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,000.0	0.00	0.00	9,920.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,100.0	0.00	0.00	10,020.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,200.0	0.00	0.00	10,120.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,300.0	0.00	0.00	10,220.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,400.0	0.00	0.00	10,320.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,500.0	0.00	0.00	10,420.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,600.0	0.00	0.00	10,520.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,700.0	0.00	0.00	10,620.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,800.0	0.00	0.00	10,720.5	266.7	778.0	-199.1	0.00	0.00	0.00
10,900.0	0.00	0.00	10,820.5	266.7	778.0	-199.1	0.00	0.00	0.00
11,000.0	0.00	0.00	10,920.5	266.7	778.0	-199.1	0.00	0.00	0.00
11,100.0	0.00	0.00	11,020.5	266.7	778.0	-199.1	0.00	0.00	0.00
11,200.0	0.00	0.00	11,120.5	266.7	778.0	-199.1	0.00	0.00	0.00
11,300.0	0.00	0.00	11,220.5	266.7	778.0	-199.1	0.00	0.00	0.00
11,386.5	0.00	0.00	11,307.0	266.7	778.0	-199.1	0.00	0.00	0.00
Start DLS 10.00 TFO 179.64									
11,400.0	1.35	179.64	11,320.5	266.5	778.0	-199.0	10.00	10.00	0.00
11,450.0	6.35	179.64	11,370.4	263.2	778.0	-195.6	10.00	10.00	0.00
11,500.0	11.35	179.64	11,419.8	255.5	778.1	-187.9	10.00	10.00	0.00
11,550.0	16.35	179.64	11,468.3	243.5	778.1	-176.0	10.00	10.00	0.00
11,600.0	21.35	179.64	11,515.6	227.4	778.2	-159.9	10.00	10.00	0.00
11,650.0	26.35	179.64	11,561.3	207.2	778.4	-139.8	10.00	10.00	0.00
11,700.0	31.35	179.64	11,605.1	183.0	778.5	-115.7	10.00	10.00	0.00
11,750.0	36.35	179.64	11,646.6	155.2	778.7	-88.0	10.00	10.00	0.00
11,800.0	41.35	179.64	11,685.6	123.9	778.9	-56.7	10.00	10.00	0.00
11,850.0	46.35	179.64	11,721.6	89.2	779.1	-22.2	10.00	10.00	0.00
11,900.0	51.35	179.64	11,754.5	51.6	779.4	15.3	10.00	10.00	0.00
11,950.0	56.35	179.64	11,784.0	11.2	779.6	55.5	10.00	10.00	0.00
12,000.0	61.35	179.64	11,809.8	-31.5	779.9	98.2	10.00	10.00	0.00
12,050.0	66.35	179.64	11,831.9	-76.4	780.2	142.9	10.00	10.00	0.00
12,100.0	71.35	179.64	11,849.9	-123.0	780.5	189.4	10.00	10.00	0.00
12,150.0	76.35	179.64	11,863.8	-171.0	780.8	237.2	10.00	10.00	0.00
12,200.0	81.35	179.64	11,873.5	-220.1	781.1	286.1	10.00	10.00	0.00
12,250.0	86.35	179.64	11,878.8	-269.8	781.4	335.7	10.00	10.00	0.00
12,286.5	90.00	179.64	11,880.0	-306.3	781.6	372.0	10.00	10.00	0.00
Start 9445.6 hold at 12286.5 MD									
12,300.0	90.00	179.64	11,880.0	-319.7	781.7	385.5	0.00	0.00	0.00
12,400.0	90.00	179.64	11,880.0	-419.7	782.4	485.2	0.00	0.00	0.00
12,500.0	90.00	179.64	11,880.0	-519.7	783.0	584.9	0.00	0.00	0.00
12,600.0	90.00	179.64	11,880.0	-619.7	783.6	684.5	0.00	0.00	0.00
12,700.0	90.00	179.64	11,880.0	-719.7	784.3	784.2	0.00	0.00	0.00
12,800.0	90.00	179.64	11,880.0	-819.7	784.9	883.9	0.00	0.00	0.00
12,900.0	90.00	179.64	11,880.0	-919.7	785.5	983.6	0.00	0.00	0.00
13,000.0	90.00	179.64	11,880.0	-1,019.7	786.2	1,083.3	0.00	0.00	0.00
13,100.0	90.00	179.64	11,880.0	-1,119.7	786.8	1,183.0	0.00	0.00	0.00
13,200.0	90.00	179.64	11,880.0	-1,219.7	787.5	1,282.7	0.00	0.00	0.00
13,300.0	90.00	179.64	11,880.0	-1,319.7	788.1	1,382.3	0.00	0.00	0.00
13,400.0	90.00	179.64	11,880.0	-1,419.7	788.7	1,482.0	0.00	0.00	0.00
13,500.0	90.00	179.64	11,880.0	-1,519.7	789.4	1,581.7	0.00	0.00	0.00
13,600.0	90.00	179.64	11,880.0	-1,619.7	790.0	1,681.4	0.00	0.00	0.00
13,700.0	90.00	179.64	11,880.0	-1,719.7	790.6	1,781.1	0.00	0.00	0.00
13,800.0	90.00	179.64	11,880.0	-1,819.7	791.3	1,880.8	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,900.0	90.00	179.64	11,880.0	-1,919.7	791.9	1,980.5	0.00	0.00	0.00
14,000.0	90.00	179.64	11,880.0	-2,019.7	792.5	2,080.1	0.00	0.00	0.00
14,100.0	90.00	179.64	11,880.0	-2,119.7	793.2	2,179.8	0.00	0.00	0.00
14,200.0	90.00	179.64	11,880.0	-2,219.7	793.8	2,279.5	0.00	0.00	0.00
14,300.0	90.00	179.64	11,880.0	-2,319.7	794.5	2,379.2	0.00	0.00	0.00
14,400.0	90.00	179.64	11,880.0	-2,419.7	795.1	2,478.9	0.00	0.00	0.00
14,500.0	90.00	179.64	11,880.0	-2,519.7	795.7	2,578.6	0.00	0.00	0.00
14,600.0	90.00	179.64	11,880.0	-2,619.7	796.4	2,678.3	0.00	0.00	0.00
14,700.0	90.00	179.64	11,880.0	-2,719.7	797.0	2,777.9	0.00	0.00	0.00
14,800.0	90.00	179.64	11,880.0	-2,819.7	797.6	2,877.6	0.00	0.00	0.00
14,900.0	90.00	179.64	11,880.0	-2,919.7	798.3	2,977.3	0.00	0.00	0.00
15,000.0	90.00	179.64	11,880.0	-3,019.7	798.9	3,077.0	0.00	0.00	0.00
15,100.0	90.00	179.64	11,880.0	-3,119.7	799.6	3,176.7	0.00	0.00	0.00
15,200.0	90.00	179.64	11,880.0	-3,219.7	800.2	3,276.4	0.00	0.00	0.00
15,300.0	90.00	179.64	11,880.0	-3,319.7	800.8	3,376.1	0.00	0.00	0.00
15,400.0	90.00	179.64	11,880.0	-3,419.7	801.5	3,475.7	0.00	0.00	0.00
15,500.0	90.00	179.64	11,880.0	-3,519.7	802.1	3,575.4	0.00	0.00	0.00
15,600.0	90.00	179.64	11,880.0	-3,619.7	802.7	3,675.1	0.00	0.00	0.00
15,700.0	90.00	179.64	11,880.0	-3,719.7	803.4	3,774.8	0.00	0.00	0.00
15,800.0	90.00	179.64	11,880.0	-3,819.7	804.0	3,874.5	0.00	0.00	0.00
15,900.0	90.00	179.64	11,880.0	-3,919.7	804.6	3,974.2	0.00	0.00	0.00
16,000.0	90.00	179.64	11,880.0	-4,019.7	805.3	4,073.8	0.00	0.00	0.00
16,100.0	90.00	179.64	11,880.0	-4,119.7	805.9	4,173.5	0.00	0.00	0.00
16,200.0	90.00	179.64	11,880.0	-4,219.7	806.6	4,273.2	0.00	0.00	0.00
16,300.0	90.00	179.64	11,880.0	-4,319.7	807.2	4,372.9	0.00	0.00	0.00
16,400.0	90.00	179.64	11,880.0	-4,419.7	807.8	4,472.6	0.00	0.00	0.00
16,500.0	90.00	179.64	11,880.0	-4,519.7	808.5	4,572.3	0.00	0.00	0.00
16,600.0	90.00	179.64	11,880.0	-4,619.7	809.1	4,672.0	0.00	0.00	0.00
16,700.0	90.00	179.64	11,880.0	-4,719.7	809.7	4,771.6	0.00	0.00	0.00
16,800.0	90.00	179.64	11,880.0	-4,819.7	810.4	4,871.3	0.00	0.00	0.00
16,900.0	90.00	179.64	11,880.0	-4,919.7	811.0	4,971.0	0.00	0.00	0.00
17,000.0	90.00	179.64	11,880.0	-5,019.7	811.7	5,070.7	0.00	0.00	0.00
17,100.0	90.00	179.64	11,880.0	-5,119.7	812.3	5,170.4	0.00	0.00	0.00
17,200.0	90.00	179.64	11,880.0	-5,219.6	812.9	5,270.1	0.00	0.00	0.00
17,300.0	90.00	179.64	11,880.0	-5,319.6	813.6	5,369.8	0.00	0.00	0.00
17,400.0	90.00	179.64	11,880.0	-5,419.6	814.2	5,469.4	0.00	0.00	0.00
17,500.0	90.00	179.64	11,880.0	-5,519.6	814.8	5,569.1	0.00	0.00	0.00
17,600.0	90.00	179.64	11,880.0	-5,619.6	815.5	5,668.8	0.00	0.00	0.00
17,700.0	90.00	179.64	11,880.0	-5,719.6	816.1	5,768.5	0.00	0.00	0.00
17,800.0	90.00	179.64	11,880.0	-5,819.6	816.7	5,868.2	0.00	0.00	0.00
17,900.0	90.00	179.64	11,880.0	-5,919.6	817.4	5,967.9	0.00	0.00	0.00
18,000.0	90.00	179.64	11,880.0	-6,019.6	818.0	6,067.6	0.00	0.00	0.00
18,100.0	90.00	179.64	11,880.0	-6,119.6	818.7	6,167.2	0.00	0.00	0.00
18,200.0	90.00	179.64	11,880.0	-6,219.6	819.3	6,266.9	0.00	0.00	0.00
18,300.0	90.00	179.64	11,880.0	-6,319.6	819.9	6,366.6	0.00	0.00	0.00
18,400.0	90.00	179.64	11,880.0	-6,419.6	820.6	6,466.3	0.00	0.00	0.00
18,500.0	90.00	179.64	11,880.0	-6,519.6	821.2	6,566.0	0.00	0.00	0.00
18,600.0	90.00	179.64	11,880.0	-6,619.6	821.8	6,665.7	0.00	0.00	0.00
18,700.0	90.00	179.64	11,880.0	-6,719.6	822.5	6,765.4	0.00	0.00	0.00
18,800.0	90.00	179.64	11,880.0	-6,819.6	823.1	6,865.0	0.00	0.00	0.00
18,900.0	90.00	179.64	11,880.0	-6,919.6	823.7	6,964.7	0.00	0.00	0.00
19,000.0	90.00	179.64	11,880.0	-7,019.6	824.4	7,064.4	0.00	0.00	0.00
19,100.0	90.00	179.64	11,880.0	-7,119.6	825.0	7,164.1	0.00	0.00	0.00
19,200.0	90.00	179.64	11,880.0	-7,219.6	825.7	7,263.8	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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)	
19,300.0	90.00	179.64	11,880.0	-7,319.6	826.3	7,363.5	0.00	0.00	0.00	
19,400.0	90.00	179.64	11,880.0	-7,419.6	826.9	7,463.2	0.00	0.00	0.00	
19,500.0	90.00	179.64	11,880.0	-7,519.6	827.6	7,562.8	0.00	0.00	0.00	
19,600.0	90.00	179.64	11,880.0	-7,619.6	828.2	7,662.5	0.00	0.00	0.00	
19,700.0	90.00	179.64	11,880.0	-7,719.6	828.8	7,762.2	0.00	0.00	0.00	
19,800.0	90.00	179.64	11,880.0	-7,819.6	829.5	7,861.9	0.00	0.00	0.00	
19,900.0	90.00	179.64	11,880.0	-7,919.6	830.1	7,961.6	0.00	0.00	0.00	
20,000.0	90.00	179.64	11,880.0	-8,019.6	830.8	8,061.3	0.00	0.00	0.00	
20,100.0	90.00	179.64	11,880.0	-8,119.6	831.4	8,161.0	0.00	0.00	0.00	
20,200.0	90.00	179.64	11,880.0	-8,219.6	832.0	8,260.6	0.00	0.00	0.00	
20,300.0	90.00	179.64	11,880.0	-8,319.6	832.7	8,360.3	0.00	0.00	0.00	
20,400.0	90.00	179.64	11,880.0	-8,419.6	833.3	8,460.0	0.00	0.00	0.00	
20,500.0	90.00	179.64	11,880.0	-8,519.6	833.9	8,559.7	0.00	0.00	0.00	
20,600.0	90.00	179.64	11,880.0	-8,619.6	834.6	8,659.4	0.00	0.00	0.00	
20,700.0	90.00	179.64	11,880.0	-8,719.6	835.2	8,759.1	0.00	0.00	0.00	
20,800.0	90.00	179.64	11,880.0	-8,819.6	835.8	8,858.8	0.00	0.00	0.00	
20,900.0	90.00	179.64	11,880.0	-8,919.6	836.5	8,958.4	0.00	0.00	0.00	
21,000.0	90.00	179.64	11,880.0	-9,019.6	837.1	9,058.1	0.00	0.00	0.00	
21,100.0	90.00	179.64	11,880.0	-9,119.6	837.8	9,157.8	0.00	0.00	0.00	
21,200.0	90.00	179.64	11,880.0	-9,219.6	838.4	9,257.5	0.00	0.00	0.00	
21,300.0	90.00	179.64	11,880.0	-9,319.6	839.0	9,357.2	0.00	0.00	0.00	
21,400.0	90.00	179.64	11,880.0	-9,419.6	839.7	9,456.9	0.00	0.00	0.00	
21,500.0	90.00	179.64	11,880.0	-9,519.6	840.3	9,556.6	0.00	0.00	0.00	
21,600.0	90.00	179.64	11,880.0	-9,619.6	840.9	9,656.2	0.00	0.00	0.00	
21,700.0	90.00	179.64	11,880.0	-9,719.6	841.6	9,755.9	0.00	0.00	0.00	
21,732.1	90.00	179.64	11,880.0	-9,751.6	841.8	9,787.9	0.00	0.00	0.00	
Start 50.0 hold at 21732.1 MD										
21,782.1	90.00	179.64	11,880.0	-9,801.6	842.1	9,837.8	0.00	0.00	0.00	
TD at 21782.1										

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 1932 WC #76 - plan hits target center - Point	0.00	0.00	11,880.0	-9,751.6	841.8	364,417.40	693,415.39	32° 0' 1.306 N		103° 42' 33.858 W
PBHL (ZHU 1932 WC #76 - plan hits target center - Rectangle (sides W100.0 H10,082.3 D20.0)	0.00	179.63	11,880.0	-9,801.6	842.1	364,367.40	693,415.67	32° 0' 0.811 N		103° 42' 33.858 W
FTP (ZHU 1932 WC #76 - plan misses target center by 247.2usft at 11831.6usft MD (11708.7 TVD, 102.3 N, 779.0 E) - Circle (radius 50.0)	0.00	0.00	11,880.0	280.6	776.6	374,449.64	693,350.17	32° 1' 40.590 N		103° 42' 33.943 W

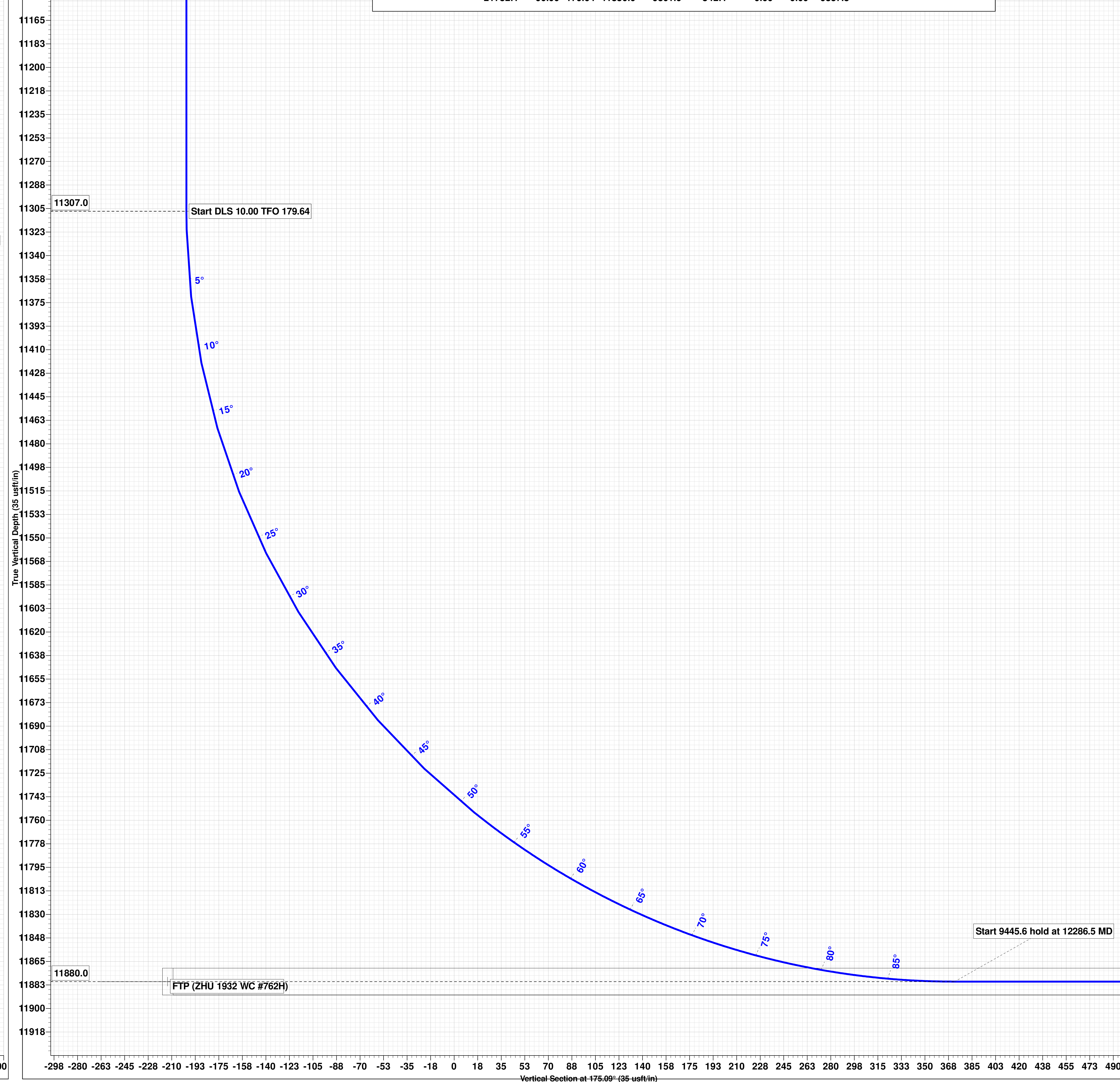
ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #762H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	Start Build 1.50
2,033.3	2,031.6	26.3	26.3	Start DLS 2.00 TFO 64.93
2,342.6	2,336.3	50.9	72.3	Start 2947.1 hold at 2342.6 MD
5,289.7	5,219.0	230.1	658.3	Start Drop -1.00
6,489.7	6,410.2	266.7	778.0	Start 4896.8 hold at 6489.7 MD
11,386.5	11,307.0	266.7	778.0	Start DLS 10.00 TFO 179.64
12,286.5	11,880.0	-306.3	781.6	Start 9445.6 hold at 12286.5 MD
21,732.1	11,880.0	-9,751.6	841.8	Start 50.0 hold at 21732.1 MD
21,782.1	11,880.0	-9,801.6	842.1	TD at 21782.1

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSetc
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0
2033.3	8.00	45.00	2031.6	26.3	26.3	1.50	45.00	-23.9
2342.6	12.00	73.00	2336.3	50.9	72.3	2.00	64.93	-44.2
5289.7	12.00	73.00	5219.0	230.1	658.3	2.00	0.00	-172.9
6489.7	0.00	0.00	6410.2	266.7	778.0	1.00	180.00	-199.1
11366.5	0.00	0.00	11300.0	26.3	778.0	0.00	0.00	0.0
12286.5	90.00	179.64	11880.0	-306.3	781.0	0.00	179.64	372.0
21732.1	90.00	179.64	11880.0	-9751.6	841.8	0.00	0.00	9787.9
21782.1	90.00	179.64	11880.0	-9801.6	842.1	0.00	0.00	9837.8



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	ConocoPhillips
LEASE NO.:	NMLC068281A
LOCATION:	Section 19, T.26 S, R.32 E., NMPM
COUNTY:	Lea County, New Mexico
WELL NAME & NO.:	Zia Hills Unit 1932 WC 711H
SURFACE HOLE FOOTAGE:	2535'/S & 2090'/E
BOTTOM HOLE FOOTAGE:	2620/S & 1566'/E

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 **Cherry Canyon and Brushy Canyon** formations. 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. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
 - e. The results of the test shall be reported to the appropriate BLM office.

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

ZS 10/30/2023

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

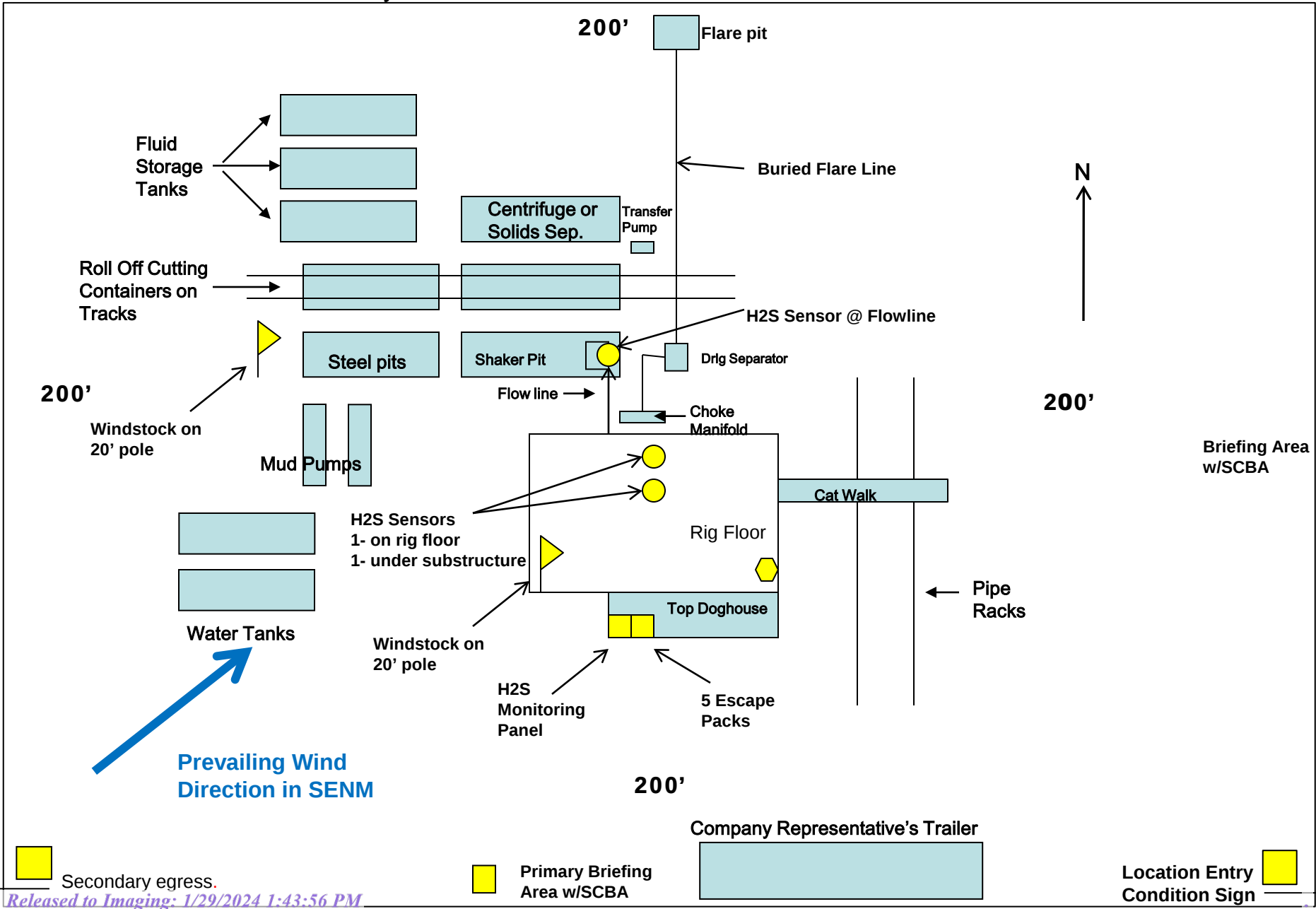
	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
Dallas Daley	432-818-2329	432-631-6977

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

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

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



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 306345

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 306345
	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	1/29/2024
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	1/29/2024
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	1/29/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	1/29/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	1/29/2024