

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. 30-025-52481
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 / 2030 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0273068 / LONG: -103.7123141 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 2620 FSL / 858 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0280534 / LONG: -103.7085317 (TVD: 11533 feet, MD: 11716 feet)

PPP: NENE / 1 FNL / 858 FEL / TWSP: 26S / RANGE: 32E / SECTION: 30 / LAT: 32.0208509 / LONG: -103.708536 (TVD: 11707 feet, MD: 14337 feet)

BHL: LOT 5 / 50 FSL / 858 FEL / TWSP: 26S / RANGE: 32E / SECTION: 31 / LAT: 32.0003513 / LONG: -103.7085071 (TVD: 11707 feet, MD: 21668 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- 30-025-52481	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 763H
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 3,170'

¹⁰ Surface Location

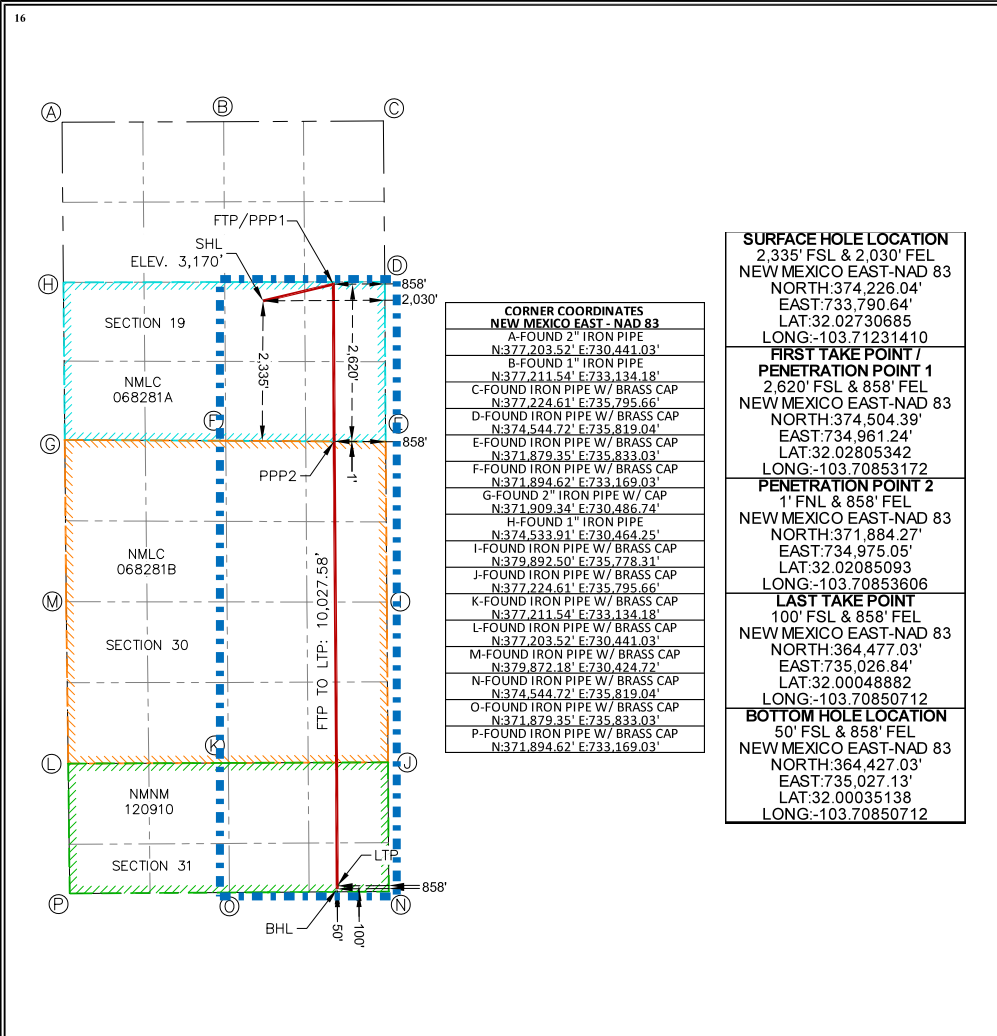
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	26-S	32-E		2,335'	SOUTH	2,030'	EAST	LEA

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	858'	EAST	LEA

¹² Dedicated Acres 608.99	¹³ Joint or Infill	¹⁴ Consolidation Code Unit	¹⁵ Order No. R-20080
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶  CORNER COORDINATES NEW MEXICO EAST-NAD 83 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 NEW MEXICO 12177 REGISTERED PROFESSIONAL SURVEYOR MARK J. MURRAY P.L.S. NO. 12177
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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

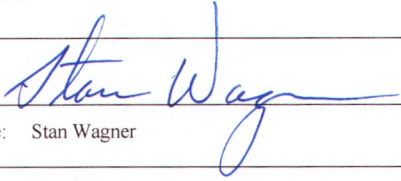
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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 763H

1. Geologic Formations

TVD of target	11,707' EOL	Pilot hole depth	NA
MD at TD:	21,668'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1224	Water	
Top of Salt	1552	Salt	
Base of Salt	4014	Salt	
Lamar	4279	Salt Water	
Bell Canyon	4314	Salt Water	
Cherry Canyon	5204	Oil/Gas	
Brushy Canyon	6628	Oil/Gas	
Bone Spring Lime	8274	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	Target	
Wolfcamp A	11726	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	1.04	2.88	2.90
8.750"	8500	11173	7.625"	29.7	P110-ICY	W513	1.28	1.57	3.22	1.93
6.75"	0	10673	5.5"	23	P110-CY	BTC	1.94	2.26	2.97	2.97
6.75"	10673	21,668	5.5"	23	P110-CY	W441	1.77	2.06	2.71	2.46
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 763H

	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 763H**3. Cementing Program**

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	810	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	669	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	10,673'	35% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 1932 WC 763H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
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BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
9-7/8"	13-5/8"	5M	Annular	x	2500psi
			Blind Ram	x	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	10M	5M Annular	x	5000psi
			Blind Ram	x	10000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

ConocoPhillips Company - Zia Hills Unit 1932 WC 763H

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
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6. Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No Logs are planned based on well control or offset log information.
N	Drill stem test? If yes, explain.
N	Coring? If yes, explain.

Additional logs planned		Interval
N	Resistivity	Pilot Hole TD to ICP
N	Density	Pilot Hole TD to ICP
Y	CBL	Production casing (If cement not circulated to surface)
Y	Mud log	Intermediate shoe to TD
N	PEX	

ConocoPhillips Company - Zia Hills Unit 1932 WC 763H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8220 psi at 11707' 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

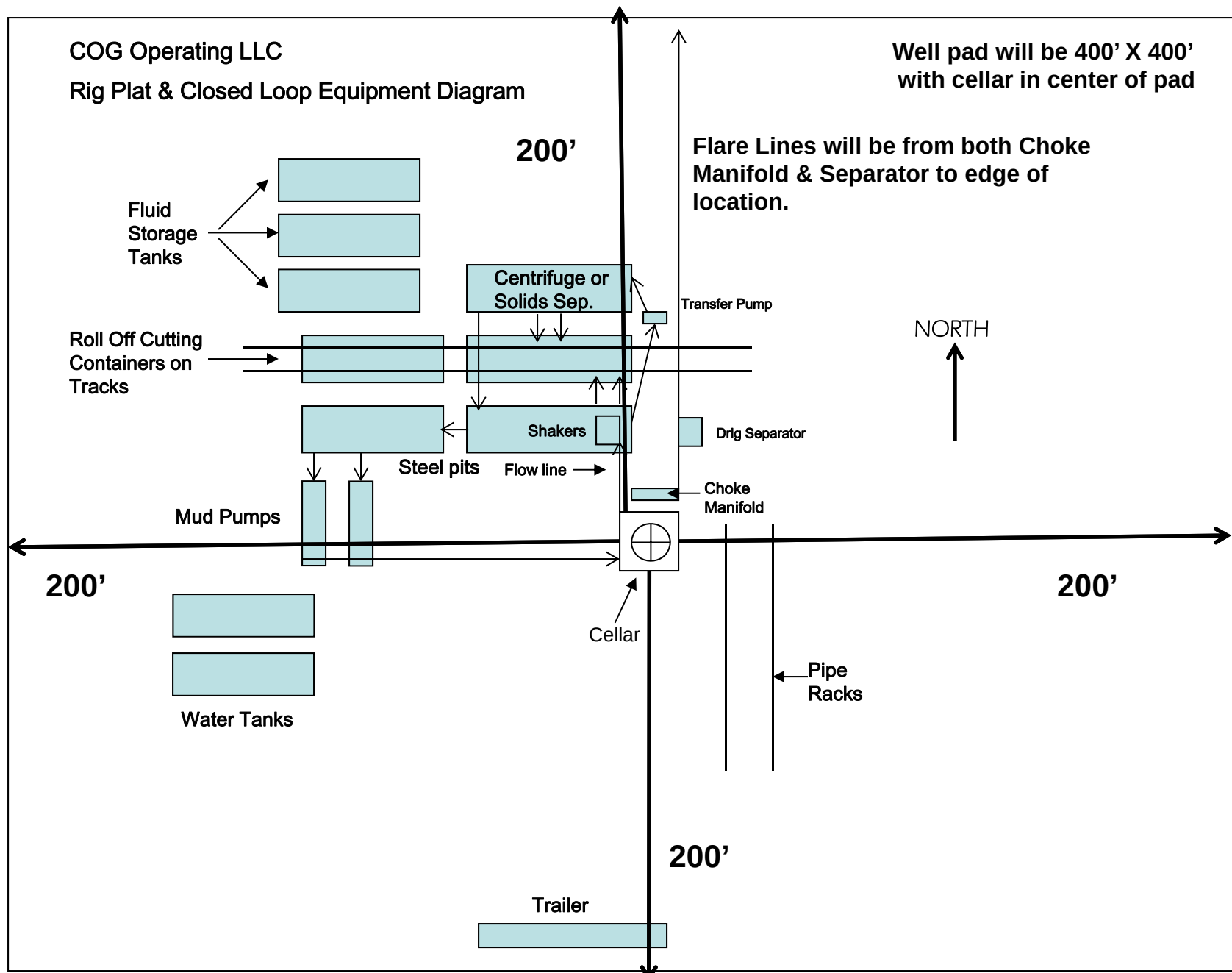


Exhibit 1

"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 #763H

OWB

PWP1

Anticollision Report

09 May, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	11,273.9	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
11,273.9	21,668.1	PWP1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5	

Summary						
	Reference	Offset	Distance		Separation	Warning
Site Name	Measured	Measured	Between	Between	Factor	
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses		
	(usft)	(usft)	(usft)	(usft)		
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	3,485.6	3,427.3	120.5	7.6	1.068	Advise and Monitor, CC
CONOCO FEDERAL #2 - OWB - AWP	3,500.0	3,441.2	120.9	7.4	1.065	Advise and Monitor, ES, SF
RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP	3,163.5	3,125.6	443.4	318.0	3.536	CC
RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP	3,500.0	3,450.0	452.5	313.6	3.257	ES
RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP	4,200.0	4,131.4	510.5	342.9	3.046	SF
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,500.0	1,496.7	234.4	224.7	24.094	CC, ES
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,800.0	1,776.7	246.9	236.3	23.196	SF
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	1,500.0	1,496.5	220.4	210.6	22.525	CC, ES
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	2,200.0	2,188.4	236.0	224.4	20.378	SF
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	1,500.0	1,496.5	209.4	199.6	21.303	CC
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	1,600.0	1,594.5	209.6	199.6	20.907	ES
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	5,400.0	5,360.3	468.8	437.3	14.898	SF
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	2,039.3	2,025.7	202.3	190.9	17.819	CC
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	2,100.0	2,087.1	202.4	190.9	17.630	ES
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	11,273.9	11,220.1	413.3	368.1	9.143	SF
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	2,297.6	2,282.9	194.7	182.4	15.796	CC
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	6,600.0	6,585.2	212.2	179.4	6.464	ES
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	11,273.9	11,279.0	235.6	190.7	5.244	SF
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	1,000.0	996.4	202.0	193.3	23.222	CC, ES
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	6,700.0	6,659.3	318.9	265.9	6.016	SF
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,500.0	1,499.3	120.0	110.6	12.894	CC, ES
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,600.0	1,596.0	122.4	112.9	12.801	SF
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	1,500.0	1,498.4	90.0	80.7	9.679	CC, ES
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	1,600.0	1,598.2	91.3	81.8	9.608	SF
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	1,500.0	1,498.1	59.9	50.6	6.439	CC, ES
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	21,668.1	21,513.7	848.0	689.4	5.348	SF
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	1,500.0	1,498.4	30.0	20.7	3.222	CC, ES
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	21,668.1	21,782.1	458.5	296.8	2.836	SF
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	1,500.0	1,499.2	30.1	20.7	3.230	CC, ES
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	21,668.1	21,838.4	459.0	296.8	2.831	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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	21,668.1	4,368.0				Out of Range @TD
RUSSELL 19 FEDERAL #2 (P&A) - OWB - AWP	21,668.1	4,321.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	21,668.1	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	21,668.1	11,350.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	21,668.1	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	21,668.1	11,400.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	21,668.1	11,300.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	21,668.1	11,529.6				Out of Range @TD
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	21,668.1	21,581.6				Out of Range @TD
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	21,668.1	21,690.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	21,668.1	21,513.7	848.0	689.4	5.348	SF
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	21,668.1	21,782.1	458.5	296.8	2.836	SF
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	21,668.1	21,838.4	459.0	296.8	2.831	SF

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 Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning	
							+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	94.20	-27.0	368.1	369.6					
100.0	100.0	81.8	81.8	3.0	10.0	94.20	-27.0	368.1	369.1	354.0	15.13	24.390		
200.0	200.0	181.8	181.8	3.2	10.2	94.20	-27.0	368.1	369.1	353.8	15.35	24.054		
300.0	300.0	281.8	281.8	3.3	10.4	94.20	-27.0	368.1	369.1	353.5	15.67	23.551		
400.0	400.0	381.8	381.8	3.4	10.7	94.20	-27.0	368.1	369.1	353.0	16.11	22.912		
500.0	500.0	481.8	481.8	3.5	11.0	94.20	-27.0	368.1	369.1	352.5	16.65	22.173		
600.0	600.0	581.8	581.8	3.7	12.0	94.20	-27.0	368.1	369.1	351.2	17.96	20.548		
700.0	700.0	681.8	681.8	3.8	13.2	94.20	-27.0	368.1	369.1	349.5	19.66	18.776		
754.9	754.9	736.7	736.7	3.9	14.0	94.08	-26.2	368.1	369.1	348.4	20.70	17.829		
800.0	800.0	781.8	781.8	3.9	14.6	94.08	-26.3	368.1	369.1	347.5	21.61	17.083		
900.0	900.0	881.7	881.7	4.0	16.2	94.12	-26.5	368.1	369.1	345.4	23.74	15.549		
1,000.0	1,000.0	981.7	981.7	4.2	17.8	94.20	-27.0	368.1	369.1	343.1	26.01	14.192		
1,100.0	1,100.0	1,081.9	1,081.8	4.3	19.6	94.20	-27.0	368.1	369.1	340.7	28.49	12.958		
1,126.1	1,126.1	1,107.9	1,107.9	4.3	20.1	94.12	-26.5	368.1	369.1	340.0	29.15	12.664		
1,200.0	1,200.0	1,181.7	1,181.7	4.4	21.5	94.16	-26.8	368.1	369.1	338.1	31.04	11.890		
1,300.0	1,300.0	1,281.9	1,281.8	4.5	23.5	94.20	-27.0	368.1	369.1	335.3	33.82	10.915		
1,400.0	1,400.0	1,381.9	1,381.8	4.6	25.6	94.20	-27.0	368.1	369.1	332.4	36.72	10.053		
1,461.8	1,461.8	1,443.7	1,443.6	4.7	26.9	94.05	-26.1	368.1	369.1	330.5	38.53	9.578		

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	
1,500.0	1,500.0	1,481.9	1,481.8	4.8	27.7	94.05	-26.1	368.1	369.1	329.4	39.66	9.305	
1,600.0	1,600.0	1,581.8	1,581.7	4.9	29.9	34.23	-26.4	368.1	368.0	325.4	42.65	8.629	
1,700.0	1,699.9	1,681.9	1,681.7	5.0	32.1	34.70	-27.0	368.1	364.8	319.1	45.75	7.974	
1,800.0	1,799.7	1,781.7	1,781.5	5.2	34.6	35.34	-27.0	368.1	359.5	310.1	49.32	7.289	
1,900.0	1,899.3	1,881.3	1,881.1	5.4	37.2	36.27	-27.0	368.1	352.0	299.1	52.90	6.654	
2,000.0	1,998.6	1,980.5	1,980.2	5.7	39.8	37.26	-25.5	368.1	342.4	285.9	56.49	6.061	
2,033.3	2,031.6	2,013.4	2,013.2	5.7	40.6	37.77	-25.7	368.1	338.9	281.2	57.69	5.874	
2,100.0	2,097.5	2,079.2	2,079.0	5.9	42.3	33.58	-26.1	368.1	330.8	270.8	60.07	5.507	
2,200.0	2,196.0	2,178.3	2,177.8	6.2	44.9	29.50	-27.0	368.1	316.2	252.5	63.71	4.963	
2,300.0	2,293.9	2,276.2	2,275.8	6.6	47.5	27.10	-27.0	368.1	298.2	230.9	67.36	4.428	
2,375.5	2,367.5	2,349.7	2,349.3	6.8	49.5	26.22	-27.0	368.1	282.6	212.5	70.09	4.032	
2,400.0	2,391.2	2,373.5	2,373.0	6.9	50.1	26.76	-27.0	368.1	277.3	206.3	70.97	3.907	
2,500.0	2,488.2	2,470.2	2,469.7	7.2	52.7	28.73	-25.0	368.1	255.2	180.6	74.59	3.422	
2,600.0	2,585.3	2,566.8	2,566.3	7.6	55.3	31.71	-25.8	368.1	234.4	156.2	78.20	2.997	
2,700.0	2,682.3	2,664.8	2,664.1	7.9	57.9	35.43	-27.0	368.1	214.5	132.6	81.87	2.620	
2,800.0	2,779.3	2,761.8	2,761.1	8.3	60.5	39.50	-27.0	368.1	195.1	109.5	85.52	2.281	
2,900.0	2,876.3	2,858.8	2,858.2	8.7	63.1	44.42	-27.0	368.1	176.8	87.7	89.17	1.983 Advise and Monitor	
3,000.0	2,973.4	2,955.7	2,955.0	9.1	65.7	49.89	-25.4	368.1	159.1	66.3	92.81	1.715 Advise and Monitor	
3,100.0	3,070.4	3,052.3	3,051.6	9.5	68.3	57.18	-25.8	368.1	144.7	48.3	96.42	1.501 Advise and Monitor	
3,200.0	3,167.4	3,148.8	3,148.1	10.0	70.9	65.93	-26.6	368.1	133.6	33.6	100.04	1.335 Advise and Monitor	
3,300.0	3,264.5	3,247.2	3,246.3	10.4	74.0	75.98	-27.0	368.1	125.8	21.5	104.33	1.206 Advise and Monitor	
3,400.0	3,361.5	3,344.2	3,343.3	10.8	77.3	86.73	-27.0	368.1	122.1	13.2	108.89	1.121 Advise and Monitor	
3,485.6	3,444.5	3,427.3	3,426.3	11.2	80.1	96.05	-24.9	368.1	120.5	7.6	112.83	1.068 Advise and Monitor, CC	
3,500.0	3,458.5	3,441.2	3,440.2	11.3	80.6	97.63	-24.9	368.1	120.9	7.4	113.49	1.065 Advise and Monitor, ES, SF	
3,600.0	3,555.5	3,537.4	3,536.4	11.7	83.8	108.16	-25.3	368.1	126.9	8.9	118.09	1.075 Advise and Monitor	
3,700.0	3,652.6	3,633.6	3,632.6	12.1	87.1	117.42	-26.4	368.1	137.7	15.0	122.71	1.122 Advise and Monitor	
3,800.0	3,749.6	3,730.0	3,728.5	12.6	90.6	125.31	-26.9	368.1	151.1	23.4	127.70	1.184 Advise and Monitor	
3,900.0	3,846.6	3,829.9	3,828.5	13.0	94.3	132.18	-27.0	368.1	166.7	33.6	133.09	1.253 Advise and Monitor	
4,000.0	3,943.7	3,927.0	3,925.5	13.5	98.0	137.69	-27.0	368.1	184.1	45.8	138.28	1.331 Advise and Monitor	
4,100.0	4,040.7	4,024.0	4,022.5	14.0	101.7	142.25	-27.0	368.1	202.9	59.4	143.47	1.414 Advise and Monitor	
4,200.0	4,137.7	4,119.8	4,118.2	14.4	105.3	146.60	-23.7	368.1	220.3	71.7	148.58	1.483 Advise and Monitor	
4,300.0	4,234.8	4,215.6	4,213.9	14.9	108.9	149.49	-24.9	368.1	241.9	88.2	153.68	1.574 Advise and Monitor	
4,400.0	4,331.8	4,315.8	4,313.6	15.3	112.7	151.86	-27.0	368.1	264.5	105.5	159.03	1.663 Advise and Monitor	
4,500.0	4,428.8	4,368.0	4,365.7	15.8	114.6	153.12	-27.0	368.1	289.7	129.9	159.80	1.813 Advise and Monitor	
4,600.0	4,525.8	4,368.0	4,365.7	16.3	114.6	153.12	-27.0	368.1	339.4	192.2	147.16	2.306	
4,700.0	4,622.9	4,368.0	4,365.7	16.7	114.6	153.12	-27.0	368.1	407.9	276.2	131.68	3.098	
4,800.0	4,719.9	4,368.0	4,365.7	17.2	114.6	153.12	-27.0	368.1	487.5	369.4	118.14	4.126	
4,900.0	4,816.9	4,368.0	4,365.7	17.7	114.6	153.12	-27.0	368.1	573.5	466.2	107.33	5.343	
5,000.0	4,914.0	4,368.0	4,365.7	18.2	114.6	153.12	-27.0	368.1	663.4	564.6	98.86	6.711	
5,100.0	5,011.0	4,368.0	4,365.7	18.6	114.6	153.12	-27.0	368.1	755.9	663.7	92.18	8.200	
5,200.0	5,108.0	4,368.0	4,365.7	19.1	114.6	153.12	-27.0	368.1	850.1	763.2	86.85	9.788	
5,300.0	5,205.1	4,368.0	4,365.7	19.6	114.6	153.12	-27.0	368.1	945.4	862.9	82.52	11.457	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		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	10.0	133.99	-357.1	369.9	514.2					
100.0	100.0	91.8	91.8	3.0	10.0	133.99	-357.1	369.9	514.1	498.9	15.16	33.917		
200.0	200.0	191.8	191.8	3.2	10.2	133.99	-357.1	369.9	514.1	498.7	15.42	33.340		
300.0	300.0	291.8	291.8	3.3	10.7	133.99	-357.1	369.9	514.1	497.9	16.17	31.793		
383.2	383.2	375.0	375.0	3.4	11.8	133.95	-356.5	369.9	513.7	496.0	17.70	29.026		
400.0	400.0	391.4	391.4	3.4	12.1	133.95	-356.5	369.9	513.7	495.6	18.06	28.439		
500.0	500.0	489.0	489.0	3.5	13.9	133.98	-357.0	369.9	514.0	493.5	20.57	24.989		
600.0	600.0	592.0	591.8	3.7	16.2	133.99	-357.1	369.9	514.1	490.4	23.72	21.674		
632.9	632.9	624.9	624.7	3.7	17.0	133.86	-355.4	369.9	513.0	488.2	24.80	20.683		
700.0	700.0	687.4	687.2	3.8	18.6	133.89	-355.8	369.9	513.3	486.3	26.93	19.058		
800.0	800.0	792.2	791.8	3.9	21.3	133.99	-357.1	369.9	514.1	483.4	30.67	16.763		
883.1	883.1	875.3	874.9	4.0	23.5	133.95	-356.5	369.9	513.7	480.0	33.75	15.222		
900.0	900.0	891.7	891.4	4.0	23.9	133.95	-356.5	369.9	513.7	479.3	34.37	14.948		
1,000.0	1,000.0	989.3	989.0	4.2	26.6	133.98	-357.0	369.9	514.0	475.9	38.08	13.497		
1,100.0	1,100.0	1,092.3	1,091.8	4.3	29.5	133.99	-357.1	369.9	514.1	472.0	42.08	12.216		
1,132.7	1,132.7	1,125.0	1,124.4	4.3	30.4	133.86	-355.4	369.9	513.0	469.6	43.36	11.829		
1,200.0	1,200.0	1,187.8	1,187.2	4.4	32.2	133.89	-355.8	369.9	513.3	467.4	45.84	11.198		
1,300.0	1,300.0	1,292.5	1,291.8	4.5	35.2	133.99	-357.1	369.9	514.1	464.1	50.00	10.282		
1,382.5	1,382.5	1,375.0	1,374.3	4.6	37.6	133.95	-356.5	369.9	513.7	460.4	53.30	9.637		
1,400.0	1,400.0	1,392.1	1,391.4	4.6	38.1	133.95	-356.5	369.9	513.7	459.7	53.99	9.515		
1,500.0	1,500.0	1,489.7	1,489.0	4.8	40.9	133.99	-357.0	369.9	514.0	456.1	57.92	8.874		
1,600.0	1,600.0	1,592.6	1,591.8	4.9	43.9	74.14	-357.1	369.9	513.7	451.6	62.10	8.273		
1,700.0	1,699.9	1,687.9	1,687.0	5.0	46.7	74.45	-355.8	369.9	511.8	445.9	65.98	7.757		
1,800.0	1,799.7	1,792.5	1,791.5	5.2	49.7	75.30	-357.1	369.9	511.0	440.7	70.26	7.273		
1,900.0	1,899.3	1,891.7	1,890.7	5.4	52.7	76.28	-356.5	369.9	508.3	434.0	74.32	6.839		
2,000.0	1,998.6	1,988.5	1,987.4	5.7	55.5	77.60	-357.0	369.9	506.0	427.7	78.30	6.462		
2,033.3	2,031.6	2,024.6	2,023.4	5.7	56.6	78.16	-357.1	369.9	505.1	425.3	79.78	6.331		
2,100.0	2,097.5	2,090.5	2,089.3	5.9	58.5	74.02	-357.1	369.9	502.7	420.2	82.49	6.094		
2,200.0	2,196.0	2,184.3	2,183.1	6.2	61.3	69.93	-355.8	369.9	496.3	409.9	86.36	5.746		
2,300.0	2,293.9	2,287.1	2,285.8	6.6	64.3	68.19	-357.1	369.9	489.8	399.2	90.61	5.406		
2,375.5	2,367.5	2,360.6	2,359.3	6.8	66.5	67.70	-357.1	369.9	483.1	389.5	93.64	5.159		
2,400.0	2,391.2	2,384.1	2,382.8	6.9	67.2	68.30	-356.5	369.9	480.4	385.8	94.61	5.077		
2,500.0	2,488.2	2,478.5	2,477.1	7.2	70.0	70.91	-356.9	369.9	472.1	373.6	98.52	4.792		
2,600.0	2,585.3	2,578.6	2,577.1	7.6	73.0	73.74	-357.1	369.9	464.7	362.0	102.67	4.526		
2,700.0	2,682.3	2,671.6	2,670.1	7.9	75.7	76.37	-355.7	369.9	457.1	350.5	106.53	4.290		
2,800.0	2,779.3	2,772.8	2,771.1	8.3	78.7	79.46	-357.1	369.9	453.1	342.4	110.73	4.092		
2,900.0	2,876.3	2,869.8	2,868.2	8.7	81.6	82.40	-357.1	369.9	449.2	334.4	114.76	3.914		
3,000.0	2,973.4	2,964.2	2,962.5	9.1	84.4	85.30	-356.8	369.9	446.3	327.6	118.69	3.760		
3,100.0	3,070.4	3,064.0	3,062.2	9.5	87.4	88.40	-357.1	369.9	445.2	322.3	122.85	3.624		
3,163.5	3,132.1	3,125.6	3,123.8	9.8	89.2	90.28	-355.4	369.9	443.4	318.0	125.41	3.536 CC		
3,200.0	3,167.4	3,158.1	3,156.2	10.0	90.2	91.29	-355.5	369.9	443.7	316.9	126.76	3.500		
3,300.0	3,264.5	3,258.3	3,256.3	10.4	93.2	94.44	-357.1	369.9	446.4	315.5	130.95	3.409		
3,400.0	3,361.5	3,355.3	3,353.3	10.8	96.1	97.43	-357.1	369.9	449.0	314.0	135.00	3.326		
3,500.0	3,458.5	3,450.0	3,448.0	11.3	98.9	100.30	-356.7	369.9	452.5	313.6	138.96	3.257 ES		
3,600.0	3,555.5	3,549.5	3,547.4	11.7	101.9	103.27	-357.1	369.9	458.0	314.8	143.13	3.200		
3,700.0	3,652.6	3,644.7	3,642.5	12.1	104.7	106.06	-355.5	369.9	462.7	315.6	147.11	3.145		
3,800.0	3,749.6	3,733.2	3,731.0	12.6	107.3	108.56	-356.7	369.9	471.5	320.7	150.80	3.126		
3,900.0	3,846.6	3,840.8	3,838.5	13.0	110.5	111.51	-357.1	369.9	480.3	325.0	155.35	3.092		
4,000.0	3,943.7	3,935.8	3,933.5	13.5	113.4	114.03	-356.6	369.9	489.5	330.2	159.34	3.072		
4,100.0	4,040.7	4,035.0	4,032.5	14.0	116.3	116.55	-357.1	369.9	500.5	337.0	163.52	3.061		
4,200.0	4,137.7	4,131.4	4,128.8	14.4	119.2	118.95	-355.4	369.9	510.5	342.9	167.58	3.046 SF		
4,300.0	4,234.8	4,219.5	4,216.9	14.9	121.8	120.98	-356.4	369.9	523.9	352.6	171.27	3.059		

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		
4,400.0	4,331.8	4,321.0	4,318.3	15.3	124.9	123.22	-357.1	369.9	537.7	362.1	175.57	3.062		
4,500.0	4,428.8	4,321.0	4,318.3	15.8	124.9	123.22	-357.1	369.9	561.0	388.3	172.71	3.248		
4,600.0	4,525.8	4,321.0	4,318.3	16.3	124.9	123.22	-357.1	369.9	600.3	434.4	165.84	3.620		
4,700.0	4,622.9	4,321.0	4,318.3	16.7	124.9	123.22	-357.1	369.9	652.7	495.8	156.85	4.161		
4,800.0	4,719.9	4,321.0	4,318.3	17.2	124.9	123.22	-357.1	369.9	715.3	568.0	147.26	4.857		
4,900.0	4,816.9	4,321.0	4,318.3	17.7	124.9	123.22	-357.1	369.9	785.6	647.6	138.01	5.692		
5,000.0	4,914.0	4,321.0	4,318.3	18.2	124.9	123.22	-357.1	369.9	861.9	732.4	129.54	6.654		
5,100.0	5,011.0	4,321.0	4,318.3	18.6	124.9	123.22	-357.1	369.9	942.6	820.6	121.98	7.727		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	-31.07	200.8	-121.0	234.4				
100.0	100.0	96.7	96.7	3.0	3.0	-31.07	200.8	-121.0	234.4	227.9	6.52	35.958	
200.0	200.0	196.7	196.7	3.2	3.2	-31.07	200.8	-121.0	234.4	227.6	6.76	34.657	
300.0	300.0	296.7	296.7	3.3	3.3	-31.07	200.8	-121.0	234.4	227.4	7.01	33.451	
400.0	400.0	396.7	396.7	3.4	3.4	-31.07	200.8	-121.0	234.4	227.2	7.25	32.345	
500.0	500.0	496.7	496.7	3.5	3.5	-31.07	200.8	-121.0	234.4	226.9	7.48	31.322	
600.0	600.0	596.7	596.7	3.7	3.7	-31.07	200.8	-121.0	234.4	226.7	7.72	30.374	
700.0	700.0	696.7	696.7	3.8	3.8	-31.07	200.8	-121.0	234.4	226.5	7.95	29.490	
800.0	800.0	796.7	796.7	3.9	3.9	-31.07	200.8	-121.0	234.4	226.2	8.18	28.665	
900.0	900.0	896.7	896.7	4.0	4.0	-31.07	200.8	-121.0	234.4	226.0	8.40	27.892	
1,000.0	1,000.0	996.7	996.7	4.2	4.2	-31.07	200.8	-121.0	234.4	225.8	8.63	27.165	
1,100.0	1,100.0	1,096.7	1,096.7	4.3	4.3	-31.07	200.8	-121.0	234.4	225.6	8.85	26.481	
1,200.0	1,200.0	1,196.7	1,196.7	4.4	4.4	-31.07	200.8	-121.0	234.4	225.3	9.07	25.835	
1,300.0	1,300.0	1,296.7	1,296.7	4.5	4.5	-31.07	200.8	-121.0	234.4	225.1	9.29	25.223	
1,400.0	1,400.0	1,396.7	1,396.7	4.6	4.6	-31.07	200.8	-121.0	234.4	224.9	9.51	24.644	
1,500.0	1,500.0	1,496.7	1,496.7	4.8	4.7	-31.07	200.8	-121.0	234.4	224.7	9.73	24.094 CC, ES	
1,600.0	1,600.0	1,590.7	1,590.7	4.9	4.9	-91.56	201.3	-122.3	235.7	225.7	9.96	23.665	
1,700.0	1,699.9	1,684.1	1,684.0	5.0	5.0	-93.01	203.0	-126.5	239.7	229.4	10.30	23.278	
1,800.0	1,799.7	1,776.7	1,776.3	5.2	5.2	-95.30	205.8	-133.4	246.9	236.3	10.64	23.196 SF	
1,900.0	1,899.3	1,868.1	1,867.1	5.4	5.5	-98.23	209.6	-142.9	257.7	246.7	11.00	23.423	
2,000.0	1,998.6	1,962.9	1,961.0	5.7	5.7	-101.72	214.5	-154.9	272.1	260.7	11.37	23.929	
2,033.3	2,031.6	1,995.2	1,993.0	5.7	5.8	-102.94	216.2	-159.1	277.3	265.8	11.46	24.188	
2,100.0	2,097.5	2,059.6	2,056.8	5.9	6.0	-110.65	219.5	-167.4	288.8	277.1	11.70	24.684	
2,200.0	2,196.0	2,155.4	2,151.6	6.2	6.2	-120.03	224.5	-179.8	309.6	297.4	12.16	25.462	
2,300.0	2,293.9	2,250.2	2,245.5	6.6	6.5	-127.56	229.5	-192.0	334.5	321.8	12.67	26.395	
2,375.5	2,367.5	2,321.0	2,315.6	6.8	6.7	-132.33	233.2	-201.2	356.0	343.0	13.06	27.257	
2,400.0	2,391.2	2,343.8	2,338.2	6.9	6.8	-133.11	234.4	-204.1	363.4	350.2	13.18	27.570	
2,500.0	2,488.2	2,437.1	2,430.6	7.2	7.1	-136.01	239.2	-216.1	394.2	380.5	13.77	28.635	
2,600.0	2,585.3	2,530.4	2,523.0	7.6	7.4	-138.51	244.1	-228.2	425.9	411.5	14.38	29.619	
2,700.0	2,682.3	2,623.7	2,615.3	7.9	7.7	-140.66	248.9	-240.2	458.1	443.1	15.02	30.511	
2,800.0	2,779.3	2,717.0	2,707.7	8.3	8.0	-142.54	253.8	-252.3	490.9	475.3	15.68	31.317	
2,900.0	2,876.3	2,810.3	2,800.1	8.7	8.4	-144.18	258.7	-264.3	524.2	507.8	16.36	32.046	
3,000.0	2,973.4	2,903.6	2,892.5	9.1	8.7	-145.64	263.5	-276.3	557.7	540.7	17.05	32.705	
3,100.0	3,070.4	2,996.9	2,984.9	9.5	9.0	-146.93	268.4	-288.4	591.6	573.8	17.76	33.301	
3,200.0	3,167.4	3,090.2	3,077.3	10.0	9.4	-148.08	273.3	-300.4	625.7	607.2	18.49	33.842	
3,300.0	3,264.5	3,183.4	3,169.7	10.4	9.7	-149.11	278.1	-312.4	660.0	640.7	19.22	34.333	
3,400.0	3,361.5	3,276.7	3,262.0	10.8	10.1	-150.04	283.0	-324.5	694.4	674.5	19.97	34.781	
3,500.0	3,458.5	3,370.0	3,354.4	11.3	10.4	-150.89	287.9	-336.5	729.0	708.3	20.72	35.190	
3,600.0	3,555.5	3,463.3	3,446.8	11.7	10.8	-151.66	292.7	-348.6	763.8	742.3	21.48	35.565	
3,700.0	3,652.6	3,561.3	3,543.9	12.1	11.2	-152.39	297.8	-361.1	798.5	776.3	22.25	35.883	
3,800.0	3,749.6	3,670.5	3,652.2	12.6	11.6	-153.16	302.9	-373.6	832.1	808.9	23.13	35.980	
3,900.0	3,846.6	3,781.1	3,762.2	13.0	12.0	-153.89	307.2	-384.4	863.9	839.9	24.00	35.993	
4,000.0	3,943.7	3,893.0	3,873.7	13.5	12.4	-154.59	310.8	-393.3	894.0	869.1	24.87	35.945	
4,100.0	4,040.7	4,006.2	3,986.6	14.0	12.8	-155.27	313.6	-400.2	922.3	896.6	25.73	35.851	
4,200.0	4,137.7	4,120.5	4,100.8	14.4	13.2	-155.93	315.5	-405.0	948.9	922.3	26.56	35.729	
4,300.0	4,234.8	4,236.0	4,216.3	14.9	13.5	-156.59	316.7	-407.8	973.6	946.3	27.35	35.597	
4,400.0	4,331.8	4,348.2	4,328.5	15.3	13.7	-157.22	316.9	-408.5	996.6	968.6	28.01	35.574	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	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	-24.39	200.7	-91.0	220.4				
100.0	100.0	96.5	96.5	3.0	3.0	-24.39	200.7	-91.0	220.4	213.8	6.52	33.804	
200.0	200.0	196.5	196.5	3.2	3.2	-24.39	200.7	-91.0	220.4	213.6	6.76	32.578	
300.0	300.0	296.5	296.5	3.3	3.3	-24.39	200.7	-91.0	220.4	213.4	7.01	31.438	
400.0	400.0	396.5	396.5	3.4	3.4	-24.39	200.7	-91.0	220.4	213.1	7.25	30.389	
500.0	500.0	496.5	496.5	3.5	3.5	-24.39	200.7	-91.0	220.4	212.9	7.49	29.419	
600.0	600.0	596.5	596.5	3.7	3.7	-24.39	200.7	-91.0	220.4	212.6	7.73	28.517	
700.0	700.0	696.5	696.5	3.8	3.8	-24.39	200.7	-91.0	220.4	212.4	7.96	27.676	
800.0	800.0	796.5	796.5	3.9	3.9	-24.39	200.7	-91.0	220.4	212.2	8.19	26.890	
900.0	900.0	896.5	896.5	4.0	4.0	-24.39	200.7	-91.0	220.4	211.9	8.43	26.153	
1,000.0	1,000.0	996.5	996.5	4.2	4.2	-24.39	200.7	-91.0	220.4	211.7	8.66	25.459	
1,100.0	1,100.0	1,096.5	1,096.5	4.3	4.3	-24.39	200.7	-91.0	220.4	211.5	8.88	24.806	
1,200.0	1,200.0	1,196.5	1,196.5	4.4	4.4	-24.39	200.7	-91.0	220.4	211.3	9.11	24.189	
1,300.0	1,300.0	1,296.5	1,296.5	4.5	4.5	-24.39	200.7	-91.0	220.4	211.0	9.34	23.605	
1,400.0	1,400.0	1,396.5	1,396.5	4.6	4.6	-24.39	200.7	-91.0	220.4	210.8	9.56	23.051	
1,500.0	1,500.0	1,496.5	1,496.5	4.8	4.7	-24.39	200.7	-91.0	220.4	210.6	9.78	22.525 CC, ES	
1,600.0	1,600.0	1,593.8	1,593.8	4.9	4.9	-84.34	201.8	-89.9	220.8	210.8	9.98	22.122	
1,700.0	1,699.9	1,691.0	1,690.9	5.0	5.1	-84.14	205.3	-86.6	222.3	212.0	10.29	21.608	
1,800.0	1,799.7	1,789.3	1,788.8	5.2	5.2	-83.86	211.0	-81.1	224.6	214.1	10.51	21.370	
1,900.0	1,899.3	1,889.2	1,888.4	5.4	5.4	-84.08	217.3	-75.0	226.9	216.1	10.80	21.012	
2,000.0	1,998.6	1,989.2	1,987.9	5.7	5.7	-84.96	223.5	-69.0	229.0	217.9	11.09	20.649	
2,033.3	2,031.6	2,022.4	2,021.1	5.7	5.7	-85.39	225.6	-66.9	229.6	218.5	11.15	20.593	
2,100.0	2,097.5	2,088.9	2,087.3	5.9	5.9	-91.71	229.8	-62.9	231.4	220.1	11.30	20.474	
2,200.0	2,196.0	2,188.4	2,186.4	6.2	6.1	-99.65	236.0	-56.9	236.0	224.4	11.58	20.378 SF	
2,300.0	2,293.9	2,287.5	2,285.1	6.6	6.4	-106.44	242.2	-50.9	243.2	231.3	11.86	20.506	
2,375.5	2,367.5	2,362.0	2,359.4	6.8	6.6	-111.10	246.9	-46.4	250.5	238.4	12.05	20.793	
2,400.0	2,391.2	2,386.1	2,383.3	6.9	6.7	-111.88	248.4	-44.9	253.1	241.0	12.10	20.927	
2,500.0	2,488.2	2,484.5	2,481.4	7.2	7.0	-114.89	254.6	-39.0	264.5	252.1	12.42	21.301	
2,600.0	2,585.3	2,582.9	2,579.4	7.6	7.3	-117.66	260.7	-33.0	276.5	263.8	12.76	21.674	
2,700.0	2,682.3	2,681.3	2,677.4	7.9	7.6	-120.19	266.9	-27.1	289.2	276.0	13.13	22.019	
2,800.0	2,779.3	2,779.7	2,775.5	8.3	7.9	-122.51	273.1	-21.1	302.3	288.8	13.54	22.332	
2,900.0	2,876.3	2,878.1	2,873.5	8.7	8.2	-124.63	279.3	-15.1	315.9	301.9	13.97	22.610	
3,000.0	2,973.4	2,976.4	2,971.4	9.1	8.5	-126.60	285.3	-9.3	329.9	315.5	14.39	22.925	
3,100.0	3,070.4	3,074.2	3,068.9	9.5	8.8	-128.63	290.4	-4.4	344.4	329.5	14.88	23.145	
3,200.0	3,167.4	3,171.5	3,166.1	10.0	9.1	-130.75	294.2	-0.7	359.5	344.1	15.42	23.316	
3,300.0	3,264.5	3,268.3	3,262.8	10.4	9.4	-132.94	296.9	1.9	375.4	359.4	16.00	23.462	
3,400.0	3,361.5	3,364.5	3,359.0	10.8	9.6	-135.17	298.3	3.3	392.0	375.4	16.61	23.596	
3,500.0	3,458.5	3,460.5	3,455.0	11.3	9.8	-137.44	298.7	3.6	409.7	392.4	17.23	23.774	
3,600.0	3,555.5	3,557.5	3,552.0	11.7	9.8	-139.60	298.7	3.6	428.0	410.2	17.88	23.933	
3,700.0	3,652.6	3,654.5	3,649.1	12.1	9.9	-141.59	298.7	3.6	447.0	428.4	18.56	24.075	
3,800.0	3,749.6	3,751.6	3,746.1	12.6	10.0	-143.42	298.7	3.6	466.4	447.1	19.25	24.223	
3,900.0	3,846.6	3,848.6	3,843.1	13.0	10.1	-145.10	298.7	3.6	486.2	466.3	19.95	24.376	
4,000.0	3,943.7	3,945.6	3,940.1	13.5	10.2	-146.65	298.7	3.6	506.4	485.8	20.64	24.532	
4,100.0	4,040.7	4,042.6	4,037.2	14.0	10.3	-148.08	298.7	3.6	527.0	505.6	21.34	24.692	
4,200.0	4,137.7	4,139.7	4,134.2	14.4	10.3	-149.41	298.7	3.6	547.8	525.8	22.04	24.854	
4,300.0	4,234.8	4,236.7	4,231.2	14.9	10.4	-150.64	298.7	3.6	568.9	546.2	22.74	25.017	
4,400.0	4,331.8	4,333.7	4,328.3	15.3	10.5	-151.79	298.7	3.6	590.3	566.8	23.44	25.181	
4,500.0	4,428.8	4,430.8	4,425.3	15.8	10.6	-152.85	298.7	3.6	611.8	587.7	24.14	25.344	
4,600.0	4,525.8	4,527.8	4,522.3	16.3	10.7	-153.84	298.7	3.6	633.6	608.7	24.84	25.506	
4,700.0	4,622.9	4,624.8	4,619.4	16.7	10.7	-154.77	298.7	3.6	655.5	630.0	25.54	25.666	
4,800.0	4,719.9	4,721.9	4,716.4	17.2	10.8	-155.64	298.7	3.6	677.6	651.4	26.24	25.825	
4,900.0	4,816.9	4,818.9	4,813.4	17.7	10.9	-156.45	298.7	3.6	699.8	672.9	26.94	25.981	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		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		
5,000.0	4,914.0	4,915.9	4,910.4	18.2	11.0	-157.22	298.7	3.6	722.1	694.5	27.63	26.135		
5,100.0	5,011.0	5,012.9	5,007.5	18.6	11.1	-157.93	298.7	3.6	744.6	716.3	28.33	26.285		
5,200.0	5,108.0	5,110.0	5,104.5	19.1	11.1	-158.61	298.7	3.6	767.2	738.1	29.02	26.433		
5,300.0	5,205.1	5,207.0	5,201.5	19.6	11.2	-159.25	298.7	3.6	789.8	760.1	29.72	26.577		
5,400.0	5,302.1	5,304.0	5,298.6	20.1	11.3	-159.85	298.7	3.6	812.6	782.2	30.41	26.718		
5,500.0	5,399.1	5,401.1	5,395.6	20.5	11.4	-160.42	298.7	3.6	835.4	804.3	31.11	26.856		
5,600.0	5,496.1	5,498.1	5,492.6	21.0	11.5	-160.96	298.7	3.6	858.3	826.5	31.80	26.991		
5,700.0	5,593.2	5,595.1	5,589.6	21.5	11.6	-161.47	298.7	3.6	881.3	848.8	32.49	27.122		
5,800.0	5,690.2	5,692.2	5,686.7	22.0	11.6	-161.96	298.7	3.6	904.3	871.1	33.19	27.250		
5,900.0	5,787.2	5,789.2	5,783.7	22.4	11.7	-162.42	298.7	3.6	927.4	893.5	33.88	27.375		
6,000.0	5,884.3	5,886.2	5,880.7	22.9	11.8	-162.86	298.7	3.6	950.6	916.0	34.57	27.497		
6,100.0	5,981.3	5,983.2	5,977.8	23.4	11.9	-163.28	298.7	3.6	973.8	938.5	35.26	27.615		
6,200.0	6,078.3	6,080.3	6,074.8	23.9	12.0	-163.68	298.7	3.6	997.0	961.1	35.95	27.730		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	-16.95	200.3	-61.0	209.5				
100.0	100.0	96.5	96.5	3.0	3.0	-16.95	200.3	-61.0	209.4	202.9	6.52	32.127	
200.0	200.0	196.5	196.5	3.2	3.2	-16.95	200.3	-61.0	209.4	202.7	6.77	30.958	
300.0	300.0	296.5	296.5	3.3	3.3	-16.95	200.3	-61.0	209.4	202.4	7.01	29.869	
400.0	400.0	396.5	396.5	3.4	3.4	-16.95	200.3	-61.0	209.4	202.2	7.26	28.865	
500.0	500.0	496.5	496.5	3.5	3.5	-16.95	200.3	-61.0	209.4	201.9	7.50	27.935	
600.0	600.0	596.5	596.5	3.7	3.7	-16.95	200.3	-61.0	209.4	201.7	7.74	27.070	
700.0	700.0	696.5	696.5	3.8	3.8	-16.95	200.3	-61.0	209.4	201.5	7.97	26.263	
800.0	800.0	796.5	796.5	3.9	3.9	-16.95	200.3	-61.0	209.4	201.2	8.21	25.507	
900.0	900.0	896.5	896.5	4.0	4.0	-16.95	200.3	-61.0	209.4	201.0	8.45	24.797	
1,000.0	1,000.0	996.5	996.5	4.2	4.2	-16.95	200.3	-61.0	209.4	200.8	8.68	24.130	
1,100.0	1,100.0	1,096.5	1,096.5	4.3	4.3	-16.95	200.3	-61.0	209.4	200.5	8.91	23.501	
1,200.0	1,200.0	1,196.5	1,196.5	4.4	4.4	-16.95	200.3	-61.0	209.4	200.3	9.14	22.906	
1,300.0	1,300.0	1,296.5	1,296.5	4.5	4.5	-16.95	200.3	-61.0	209.4	200.1	9.37	22.344	
1,400.0	1,400.0	1,396.5	1,396.5	4.6	4.6	-16.95	200.3	-61.0	209.4	199.8	9.60	21.810	
1,500.0	1,500.0	1,496.5	1,496.5	4.8	4.7	-16.95	200.3	-61.0	209.4	199.6	9.83	21.303 CC	
1,600.0	1,600.0	1,594.5	1,594.5	4.9	4.9	-76.99	201.1	-60.2	209.6	199.6	10.03	20.907 ES	
1,700.0	1,699.9	1,692.4	1,692.3	5.0	5.0	-77.08	203.5	-57.3	210.2	199.9	10.32	20.358	
1,800.0	1,799.7	1,790.3	1,790.0	5.2	5.2	-77.22	207.4	-52.6	211.2	200.6	10.62	19.877	
1,900.0	1,899.3	1,888.2	1,887.5	5.4	5.4	-77.39	213.0	-46.0	212.6	201.7	10.92	19.462	
2,000.0	1,998.6	1,986.1	1,984.8	5.7	5.7	-77.61	220.2	-37.4	214.4	203.2	11.22	19.104	
2,033.3	2,031.6	2,018.7	2,017.1	5.7	5.8	-77.69	222.9	-34.1	215.1	203.9	11.27	19.083	
2,100.0	2,097.5	2,089.1	2,086.9	5.9	5.9	-83.22	228.8	-26.3	216.5	205.1	11.42	18.956	
2,200.0	2,196.0	2,194.2	2,190.9	6.2	6.1	-90.01	234.9	-13.2	217.2	205.6	11.66	18.626	
2,300.0	2,293.9	2,293.9	2,289.7	6.6	6.4	-95.85	240.2	-0.3	218.9	207.0	11.93	18.354	
2,375.5	2,367.5	2,369.1	2,364.1	6.8	6.6	-100.00	244.1	9.4	221.5	209.4	12.10	18.309	
2,400.0	2,391.2	2,393.4	2,388.2	6.9	6.7	-100.63	245.3	12.5	222.6	210.4	12.14	18.331	
2,500.0	2,488.2	2,492.8	2,486.6	7.2	7.0	-103.15	250.5	25.3	227.1	214.7	12.43	18.274	
2,600.0	2,585.3	2,592.2	2,585.1	7.6	7.3	-105.57	255.7	38.1	232.1	219.4	12.73	18.235	
2,700.0	2,682.3	2,691.6	2,683.5	7.9	7.6	-107.88	260.9	51.0	237.6	224.5	13.06	18.192	
2,800.0	2,779.3	2,791.0	2,782.0	8.3	8.0	-110.08	266.1	63.8	243.3	229.9	13.42	18.139	
2,900.0	2,876.3	2,890.4	2,880.4	8.7	8.3	-112.18	271.2	76.6	249.5	235.6	13.80	18.070	
3,000.0	2,973.4	2,989.8	2,978.8	9.1	8.7	-114.18	276.4	89.5	255.9	241.7	14.23	17.984	
3,100.0	3,070.4	3,089.2	3,077.3	9.5	9.1	-116.08	281.6	102.3	262.6	248.0	14.69	17.882	
3,200.0	3,167.4	3,188.6	3,175.7	10.0	9.5	-117.88	286.8	115.1	269.7	254.5	15.18	17.762	
3,300.0	3,264.5	3,288.0	3,274.1	10.4	9.8	-119.59	292.0	127.9	276.9	261.2	15.71	17.629	
3,400.0	3,361.5	3,387.4	3,372.6	10.8	10.2	-121.21	297.2	140.8	284.4	268.2	16.27	17.484	
3,500.0	3,458.5	3,486.8	3,471.0	11.3	10.6	-122.75	302.3	153.6	292.1	275.3	16.86	17.330	
3,600.0	3,555.5	3,586.2	3,569.4	11.7	11.0	-124.21	307.5	166.4	300.1	282.6	17.48	17.170	
3,700.0	3,652.6	3,685.6	3,667.9	12.1	11.4	-125.59	312.7	179.2	308.2	290.0	18.12	17.005	
3,800.0	3,749.6	3,785.0	3,766.3	12.6	11.8	-126.90	317.9	192.1	316.4	297.6	18.79	16.840	
3,900.0	3,846.6	3,884.4	3,864.7	13.0	12.2	-128.15	323.1	204.9	324.9	305.4	19.48	16.675	
4,000.0	3,943.7	3,983.8	3,963.2	13.5	12.6	-129.33	328.3	217.7	333.4	313.2	20.19	16.512	
4,100.0	4,040.7	4,083.2	4,061.6	14.0	13.0	-130.45	333.4	230.5	342.1	321.2	20.92	16.352	
4,200.0	4,137.7	4,182.7	4,160.0	14.4	13.4	-131.52	338.6	243.4	351.0	329.3	21.67	16.197	
4,300.0	4,234.8	4,282.1	4,258.5	14.9	13.8	-132.53	343.8	256.2	359.9	337.5	22.43	16.046	
4,400.0	4,331.8	4,381.5	4,356.9	15.3	14.2	-133.49	349.0	269.0	369.0	345.8	23.20	15.901	
4,500.0	4,428.8	4,480.9	4,455.3	15.8	14.6	-134.41	354.2	281.9	378.1	354.1	23.99	15.762	
4,600.0	4,525.8	4,580.3	4,553.8	16.3	15.0	-135.29	359.3	294.7	387.4	362.6	24.79	15.628	
4,700.0	4,622.9	4,679.7	4,652.2	16.7	15.4	-136.12	364.5	307.5	396.7	371.1	25.59	15.501	
4,800.0	4,719.9	4,779.1	4,750.6	17.2	15.9	-136.92	369.7	320.3	406.1	379.7	26.41	15.379	
4,900.0	4,816.9	4,878.5	4,849.1	17.7	16.3	-137.67	374.9	333.2	415.6	388.4	27.23	15.263	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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			Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.0	4,914.0	4,977.9	4,947.5	18.2	16.7	-138.40	380.1	346.0	425.2	397.1	28.06	15.152		
5,100.0	5,011.0	5,077.3	5,045.9	18.6	17.1	-139.09	385.3	358.8	434.8	405.9	28.89	15.052		
5,200.0	5,108.0	5,172.1	5,140.0	19.1	17.5	-139.80	389.9	370.4	445.0	415.2	29.72	14.974		
5,300.0	5,205.1	5,266.4	5,233.6	19.6	17.9	-140.62	394.0	380.5	456.3	425.7	30.58	14.921		
5,400.0	5,302.1	5,360.3	5,327.1	20.1	18.2	-141.54	397.5	389.1	468.8	437.3	31.46	14.898 SF		
5,500.0	5,399.1	5,453.7	5,420.2	20.5	18.6	-142.54	400.4	396.3	482.5	450.1	32.37	14.905		
5,600.0	5,496.1	5,546.7	5,512.9	21.0	18.9	-143.61	402.7	402.0	497.5	464.2	33.29	14.943		
5,700.0	5,593.2	5,639.0	5,605.1	21.5	19.2	-144.74	404.4	406.3	513.8	479.5	34.22	15.014		
5,800.0	5,690.2	5,730.8	5,696.9	22.0	19.5	-145.91	405.6	409.2	531.4	496.3	35.14	15.120		
5,900.0	5,787.2	5,822.0	5,788.0	22.4	19.7	-147.10	406.2	410.8	550.4	514.4	36.04	15.271		
6,000.0	5,884.3	5,914.8	5,880.8	22.9	19.8	-148.33	406.4	411.0	570.8	533.9	36.88	15.476		
6,100.0	5,981.3	6,011.8	5,977.8	23.4	19.9	-149.55	406.4	411.0	591.7	554.0	37.73	15.681		
6,200.0	6,078.3	6,108.8	6,074.8	23.9	19.9	-150.69	406.4	411.0	612.8	574.3	38.56	15.893		
6,300.0	6,175.3	6,205.8	6,171.9	24.4	20.0	-151.75	406.4	411.0	634.2	594.8	39.36	16.110		
6,400.0	6,272.4	6,302.9	6,268.9	24.9	20.0	-152.75	406.4	411.0	655.7	615.6	40.16	16.329		
6,500.0	6,369.4	6,399.9	6,365.9	25.3	20.0	-153.68	406.4	411.0	677.4	636.5	40.93	16.549		
6,577.9	6,445.0	6,475.5	6,441.5	25.7	20.1	-154.36	406.4	411.0	694.5	653.0	41.52	16.724		
6,600.0	6,466.5	6,496.9	6,463.0	25.8	20.1	-154.59	406.4	411.0	699.3	657.6	41.69	16.774		
6,700.0	6,564.1	6,594.6	6,560.6	26.3	20.1	-155.50	406.4	411.0	719.0	676.6	42.43	16.946		
6,800.0	6,662.4	6,692.9	6,658.9	26.8	20.2	-156.23	406.4	411.0	735.8	692.7	43.12	17.065		
6,900.0	6,761.2	6,791.7	6,757.8	27.2	20.2	-156.79	406.4	411.0	749.5	705.7	43.75	17.131		
7,000.0	6,860.6	6,891.1	6,857.1	27.7	20.3	-157.21	406.4	411.0	760.0	715.7	44.33	17.145		
7,100.0	6,960.3	6,990.8	6,956.8	28.0	20.3	-157.50	406.4	411.0	767.3	722.5	44.85	17.111		
7,200.0	7,060.2	7,090.6	7,056.7	28.4	20.4	-157.66	406.4	411.0	771.5	726.2	45.28	17.036		
7,277.9	7,138.1	7,168.5	7,134.6	28.5	20.4	-79.70	406.4	411.0	772.5	727.0	45.45	16.994		
7,300.0	7,160.1	7,190.6	7,156.7	28.5	20.4	-79.70	406.4	411.0	772.5	727.0	45.46	16.990		
7,400.0	7,260.1	7,290.6	7,256.7	28.5	20.4	-79.70	406.4	411.0	772.5	726.9	45.54	16.961		
7,500.0	7,360.1	7,390.6	7,356.7	28.6	20.5	-79.70	406.4	411.0	772.5	726.8	45.62	16.932		
7,600.0	7,460.1	7,490.6	7,456.7	28.6	20.5	-79.70	406.4	411.0	772.5	726.8	45.70	16.904		
7,700.0	7,560.1	7,590.6	7,556.7	28.6	20.6	-79.70	406.4	411.0	772.5	726.7	45.77	16.876		
7,800.0	7,660.1	7,690.6	7,656.7	28.7	20.6	-79.70	406.4	411.0	772.5	726.6	45.85	16.847		
7,900.0	7,760.1	7,790.6	7,756.7	28.7	20.7	-79.70	406.4	411.0	772.5	726.5	45.93	16.819		
8,000.0	7,860.1	7,890.6	7,856.7	28.7	20.7	-79.70	406.4	411.0	772.5	726.4	46.01	16.790		
8,100.0	7,960.1	7,990.6	7,956.7	28.8	20.8	-79.70	406.4	411.0	772.5	726.4	46.08	16.762		
8,200.0	8,060.1	8,090.6	8,056.7	28.8	20.8	-79.70	406.4	411.0	772.5	726.3	46.16	16.733		
8,300.0	8,160.1	8,190.6	8,156.7	28.8	20.9	-79.70	406.4	411.0	772.5	726.2	46.24	16.704		
8,400.0	8,260.1	8,290.6	8,256.7	28.8	20.9	-79.70	406.4	411.0	772.5	726.1	46.32	16.675		
8,500.0	8,360.1	8,390.6	8,356.7	28.9	21.0	-79.70	406.4	411.0	772.5	726.1	46.40	16.647		
8,600.0	8,460.1	8,490.6	8,456.7	28.9	21.0	-79.70	406.4	411.0	772.5	726.0	46.48	16.618		
8,700.0	8,560.1	8,590.6	8,556.7	28.9	21.1	-79.70	406.4	411.0	772.5	725.9	46.57	16.589		
8,800.0	8,660.1	8,690.6	8,656.7	29.0	21.1	-79.70	406.4	411.0	772.5	725.8	46.65	16.560		
8,900.0	8,760.1	8,790.6	8,756.7	29.0	21.2	-79.70	406.4	411.0	772.5	725.7	46.73	16.531		
9,000.0	8,860.1	8,890.6	8,856.7	29.0	21.2	-79.70	406.4	411.0	772.5	725.6	46.81	16.501		
9,100.0	8,960.1	8,990.6	8,956.7	29.1	21.3	-79.70	406.4	411.0	772.5	725.6	46.89	16.472		
9,200.0	9,060.1	9,090.6	9,056.7	29.1	21.3	-79.70	406.4	411.0	772.5	725.5	46.98	16.443		
9,300.0	9,160.1	9,190.6	9,156.7	29.1	21.4	-79.70	406.4	411.0	772.5	725.4	47.06	16.414		
9,400.0	9,260.1	9,290.6	9,256.7	29.2	21.4	-79.70	406.4	411.0	772.5	725.3	47.14	16.385		
9,500.0	9,360.1	9,390.6	9,356.7	29.2	21.5	-79.70	406.4	411.0	772.5	725.2	47.23	16.355		
9,600.0	9,460.1	9,490.6	9,456.7	29.2	21.5	-79.70	406.4	411.0	772.5	725.1	47.31	16.326		
9,700.0	9,560.1	9,590.6	9,556.7	29.3	21.6	-79.70	406.4	411.0	772.5	725.1	47.40	16.297		
9,800.0	9,660.1	9,690.6	9,656.7	29.3	21.6	-79.70	406.4	411.0	772.5	725.0	47.49	16.267		
9,900.0	9,760.1	9,790.6	9,756.7	29.3	21.7	-79.70	406.4	411.0	772.5	724.9	47.57	16.238		

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		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)			
10,000.0	9,860.1	9,890.6	9,856.7	29.4	21.7	-79.70	406.4	411.0	772.5	724.8		47.66	16.208
10,100.0	9,960.1	9,990.6	9,956.7	29.4	21.8	-79.70	406.4	411.0	772.5	724.7		47.74	16.179
10,200.0	10,060.1	10,090.6	10,056.7	29.4	21.8	-79.70	406.4	411.0	772.5	724.6		47.83	16.150
10,300.0	10,160.1	10,190.6	10,156.7	29.5	21.9	-79.70	406.4	411.0	772.5	724.5		47.92	16.120
10,400.0	10,260.1	10,290.6	10,256.7	29.5	21.9	-79.70	406.4	411.0	772.5	724.4		48.01	16.090
10,500.0	10,360.1	10,390.6	10,356.7	29.5	22.0	-79.70	406.4	411.0	772.5	724.4		48.10	16.061
10,600.0	10,460.1	10,490.6	10,456.7	29.6	22.0	-79.70	406.4	411.0	772.5	724.3		48.18	16.031
10,700.0	10,560.1	10,590.6	10,556.7	29.6	22.1	-79.70	406.4	411.0	772.5	724.2		48.27	16.002
10,800.0	10,660.1	10,690.6	10,656.7	29.6	22.1	-79.70	406.4	411.0	772.5	724.1		48.36	15.972
10,900.0	10,760.1	10,790.6	10,756.7	29.7	22.2	-79.70	406.4	411.0	772.5	724.0		48.45	15.943
11,000.0	10,860.1	10,890.6	10,856.7	29.7	22.2	-79.70	406.4	411.0	772.5	723.9		48.54	15.913
11,100.0	10,960.1	10,990.6	10,956.7	29.8	22.3	-79.70	406.4	411.0	772.5	723.8		48.63	15.883
11,200.0	11,060.1	11,090.6	11,056.7	29.8	22.3	-79.70	406.4	411.0	772.5	723.7		48.72	15.854
11,249.1	11,109.2	11,139.7	11,105.7	29.8	22.4	-79.70	406.4	411.0	772.5	723.7		48.76	15.842
11,273.9	11,134.0	11,164.0	11,130.0	29.8	22.4	-79.70	406.4	411.0	772.5	723.7		48.77	15.838
11,300.0	11,160.1	11,185.4	11,151.4	29.8	22.4	100.72	406.8	411.0	772.7	723.9		48.72	15.859
11,350.0	11,209.9	11,224.7	11,190.6	29.8	22.4	101.03	409.6	411.0	774.2	725.7		48.52	15.956
11,400.0	11,259.1	11,262.0	11,227.6	29.8	22.4	101.55	414.7	411.0	777.4	729.2		48.18	16.134
11,450.0	11,307.4	11,300.0	11,264.8	29.8	22.4	102.30	422.4	411.0	782.5	734.7		47.73	16.393
11,500.0	11,354.3	11,326.5	11,290.4	29.9	22.4	102.67	429.3	411.0	789.8	742.7		47.14	16.756
11,550.0	11,399.6	11,350.0	11,312.8	29.9	22.4	102.81	436.3	411.0	799.9	753.4		46.46	17.215
11,600.0	11,442.8	11,374.5	11,335.8	29.9	22.4	102.84	444.6	410.9	812.7	767.0		45.73	17.771
11,650.0	11,483.7	11,400.0	11,359.4	29.9	22.4	102.76	454.3	410.9	828.7	783.7		44.95	18.434
11,700.0	11,521.9	11,400.0	11,359.4	29.9	22.4	100.76	454.3	410.9	847.6	803.4		44.20	19.178
11,750.0	11,557.2	11,416.1	11,374.1	29.9	22.5	99.46	460.9	410.9	869.4	826.0		43.43	20.020
11,800.0	11,589.3	11,423.0	11,380.3	29.9	22.5	97.15	463.9	410.9	894.1	851.3		42.71	20.933
11,850.0	11,617.9	11,427.1	11,384.0	30.0	22.5	94.25	465.7	410.9	921.1	879.1		42.04	21.910
11,900.0	11,642.8	11,428.7	11,385.4	30.0	22.5	90.78	466.4	410.9	950.3	908.9		41.43	22.939
11,950.0	11,663.8	11,428.0	11,384.8	30.0	22.5	86.80	466.1	410.9	981.2	940.3		40.87	24.008

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-8.81	200.3	-31.0	202.7				
100.0	100.0	96.4	96.4	3.0	3.0	-8.81	200.3	-31.0	202.7	196.2	6.52	31.094	
200.0	200.0	196.4	196.4	3.2	3.2	-8.81	200.3	-31.0	202.7	195.9	6.77	29.960	
300.0	300.0	296.4	296.4	3.3	3.3	-8.81	200.3	-31.0	202.7	195.7	7.01	28.902	
400.0	400.0	396.4	396.4	3.4	3.4	-8.81	200.3	-31.0	202.7	195.4	7.26	27.926	
500.0	500.0	496.4	496.4	3.5	3.5	-8.81	200.3	-31.0	202.7	195.2	7.50	27.021	
600.0	600.0	596.4	596.4	3.7	3.7	-8.81	200.3	-31.0	202.7	195.0	7.74	26.178	
700.0	700.0	696.4	696.4	3.8	3.8	-8.81	200.3	-31.0	202.7	194.7	7.98	25.390	
800.0	800.0	796.4	796.4	3.9	3.9	-8.81	200.3	-31.0	202.7	194.5	8.22	24.653	
900.0	900.0	896.4	896.4	4.0	4.0	-8.81	200.3	-31.0	202.7	194.2	8.46	23.960	
1,000.0	1,000.0	996.4	996.4	4.2	4.2	-8.81	200.3	-31.0	202.7	194.0	8.70	23.309	
1,100.0	1,100.0	1,096.4	1,096.4	4.3	4.3	-8.81	200.3	-31.0	202.7	193.8	8.93	22.694	
1,200.0	1,200.0	1,196.4	1,196.4	4.4	4.4	-8.81	200.3	-31.0	202.7	193.5	9.17	22.113	
1,300.0	1,300.0	1,296.4	1,296.4	4.5	4.5	-8.81	200.3	-31.0	202.7	193.3	9.40	21.563	
1,400.0	1,400.0	1,396.4	1,396.4	4.6	4.6	-8.81	200.3	-31.0	202.7	193.1	9.63	21.042	
1,500.0	1,500.0	1,496.4	1,496.4	4.8	4.7	-8.81	200.3	-31.0	202.7	192.8	9.87	20.546	
1,600.0	1,600.0	1,594.6	1,594.6	4.9	4.9	-68.84	200.9	-30.0	202.7	192.6	10.06	20.136	
1,700.0	1,699.9	1,692.7	1,692.6	5.0	5.0	-68.88	202.7	-26.8	202.6	192.2	10.37	19.542	
1,800.0	1,799.7	1,790.8	1,790.5	5.2	5.2	-68.94	205.8	-21.5	202.5	191.8	10.67	18.976	
1,900.0	1,899.3	1,889.0	1,888.3	5.4	5.4	-69.01	210.2	-13.9	202.4	191.4	10.98	18.438	
2,000.0	1,998.6	1,987.1	1,985.8	5.7	5.6	-69.09	215.8	-4.2	202.3	191.0	11.29	17.920	
2,033.3	2,031.6	2,019.8	2,018.2	5.7	5.7	-69.12	218.0	-0.5	202.3	190.9	11.34	17.835	
2,039.3	2,037.5	2,025.7	2,024.0	5.7	5.7	-69.66	218.4	0.2	202.3	190.9	11.35	17.819 CC	
2,100.0	2,097.5	2,087.1	2,084.7	5.9	5.9	-74.45	222.6	8.1	202.4	190.9	11.48	17.630 ES	
2,200.0	2,196.0	2,188.6	2,184.8	6.2	6.2	-80.36	229.4	24.0	202.9	191.1	11.80	17.187	
2,300.0	2,293.9	2,289.7	2,283.9	6.6	6.4	-84.63	236.0	43.2	203.7	191.6	12.06	16.882	
2,375.5	2,367.5	2,365.2	2,357.7	6.8	6.7	-87.56	240.8	58.1	204.9	192.6	12.26	16.707	
2,400.0	2,391.2	2,389.7	2,381.6	6.9	6.8	-87.81	242.4	63.0	205.3	193.0	12.31	16.675	
2,500.0	2,488.2	2,489.6	2,479.4	7.2	7.1	-88.83	248.8	82.7	207.4	194.8	12.64	16.415	
2,600.0	2,585.3	2,589.5	2,577.1	7.6	7.5	-89.82	255.2	102.5	209.5	196.6	12.95	16.176	
2,700.0	2,682.3	2,689.4	2,674.8	7.9	7.8	-90.80	261.7	122.2	211.7	198.5	13.28	15.947	
2,800.0	2,779.3	2,789.3	2,772.5	8.3	8.2	-91.75	268.1	142.0	214.0	200.4	13.61	15.725	
2,900.0	2,876.3	2,889.2	2,870.3	8.7	8.6	-92.69	274.5	161.7	216.3	202.4	13.95	15.510	
3,000.0	2,973.4	2,989.1	2,968.0	9.1	9.0	-93.60	280.9	181.5	218.7	204.4	14.29	15.302	
3,100.0	3,070.4	3,089.1	3,065.7	9.5	9.4	-94.50	287.3	201.3	221.1	206.5	14.64	15.100	
3,200.0	3,167.4	3,189.0	3,163.5	10.0	9.8	-95.37	293.8	221.0	223.6	208.6	15.00	14.903	
3,300.0	3,264.5	3,288.9	3,261.2	10.4	10.2	-96.23	300.2	240.8	226.1	210.7	15.37	14.710	
3,400.0	3,361.5	3,388.8	3,358.9	10.8	10.6	-97.07	306.6	260.5	228.7	212.9	15.75	14.521	
3,500.0	3,458.5	3,488.7	3,456.6	11.3	11.1	-97.89	313.0	280.3	231.3	215.2	16.13	14.336	
3,600.0	3,555.5	3,588.6	3,554.4	11.7	11.5	-98.69	319.4	300.0	234.0	217.4	16.53	14.155	
3,700.0	3,652.6	3,688.5	3,652.1	12.1	11.9	-99.47	325.8	319.8	236.7	219.8	16.94	13.976	
3,800.0	3,749.6	3,788.4	3,749.8	12.6	12.4	-100.23	332.3	339.6	239.5	222.1	17.35	13.800	
3,900.0	3,846.6	3,888.3	3,847.6	13.0	12.8	-100.98	338.7	359.3	242.3	224.5	17.78	13.627	
4,000.0	3,943.7	3,988.3	3,945.3	13.5	13.3	-101.71	345.1	379.1	245.1	226.9	18.21	13.456	
4,100.0	4,040.7	4,088.2	4,043.0	14.0	13.7	-102.42	351.5	398.8	248.0	229.3	18.66	13.288	
4,200.0	4,137.7	4,188.1	4,140.7	14.4	14.1	-103.12	357.9	418.6	250.9	231.8	19.12	13.122	
4,300.0	4,234.8	4,288.0	4,238.5	14.9	14.6	-103.80	364.4	438.3	253.8	234.3	19.59	12.959	
4,400.0	4,331.8	4,387.9	4,336.2	15.3	15.0	-104.46	370.8	458.1	256.8	236.8	20.07	12.799	
4,500.0	4,428.8	4,487.8	4,433.9	15.8	15.5	-105.11	377.2	477.8	259.9	239.3	20.56	12.641	
4,600.0	4,525.8	4,587.7	4,531.7	16.3	16.0	-105.74	383.6	497.6	262.9	241.8	21.06	12.486	
4,700.0	4,622.9	4,687.6	4,629.4	16.7	16.4	-106.36	390.0	517.4	266.0	244.4	21.57	12.333	
4,800.0	4,719.9	4,787.6	4,727.1	17.2	16.9	-106.97	396.5	537.1	269.1	247.0	22.09	12.183	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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:					
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	4,816.9	4,887.5	4,824.8	17.7	17.3	-107.56	402.9	556.9	272.3	249.6	22.62	12.036	
5,000.0	4,914.0	4,987.4	4,922.6	18.2	17.8	-108.14	409.3	576.6	275.4	252.3	23.16	11.892	
5,100.0	5,011.0	5,087.3	5,020.3	18.6	18.2	-108.70	415.7	596.4	278.6	254.9	23.71	11.751	
5,200.0	5,108.0	5,187.2	5,118.0	19.1	18.7	-109.25	422.1	616.1	281.9	257.6	24.27	11.612	
5,300.0	5,205.1	5,287.1	5,215.7	19.6	19.2	-109.79	428.6	635.9	285.1	260.3	24.84	11.477	
5,400.0	5,302.1	5,387.0	5,313.5	20.1	19.6	-110.32	435.0	655.6	288.4	263.0	25.42	11.345	
5,500.0	5,399.1	5,486.9	5,411.2	20.5	20.1	-110.83	441.4	675.4	291.7	265.7	26.01	11.215	
5,600.0	5,496.1	5,586.8	5,508.9	21.0	20.5	-111.33	447.8	695.2	295.0	268.4	26.60	11.089	
5,700.0	5,593.2	5,686.8	5,606.7	21.5	21.0	-111.83	454.2	714.9	298.4	271.1	27.21	10.966	
5,800.0	5,690.2	5,786.7	5,704.4	22.0	21.5	-112.31	460.6	734.7	301.7	273.9	27.82	10.845	
5,900.0	5,787.2	5,886.6	5,802.1	22.4	21.9	-112.78	467.1	754.4	305.1	276.7	28.44	10.728	
6,000.0	5,884.3	5,984.6	5,898.1	22.9	22.4	-113.34	473.2	773.2	308.7	279.6	29.07	10.621	
6,100.0	5,981.3	6,081.0	5,993.1	23.4	22.8	-114.40	478.3	788.9	313.3	283.5	29.83	10.502	
6,200.0	6,078.3	6,176.9	6,088.1	23.9	23.2	-115.97	482.4	801.5	319.2	288.4	30.75	10.380	
6,300.0	6,175.3	6,272.1	6,182.7	24.4	23.6	-117.99	485.4	811.0	326.5	294.7	31.83	10.259	
6,400.0	6,272.4	6,366.2	6,276.6	24.9	24.0	-120.39	487.5	817.4	335.7	302.6	33.07	10.152	
6,500.0	6,369.4	6,459.2	6,369.5	25.3	24.3	-123.08	488.7	820.9	346.9	312.5	34.44	10.073	
6,577.9	6,445.0	6,531.1	6,441.4	25.7	24.5	-125.33	488.9	821.6	357.3	321.8	35.56	10.048	
6,600.0	6,466.5	6,552.5	6,462.8	25.8	24.5	-126.05	488.9	821.6	360.5	324.6	35.89	10.045	
6,700.0	6,564.1	6,650.1	6,560.4	26.3	24.5	-128.92	488.9	821.6	373.9	336.6	37.27	10.031	
6,800.0	6,662.4	6,748.4	6,658.8	26.8	24.5	-131.20	488.9	821.6	385.8	347.4	38.46	10.032	
6,900.0	6,761.2	6,847.3	6,757.6	27.2	24.6	-132.96	488.9	821.6	395.8	356.4	39.46	10.032	
7,000.0	6,860.6	6,946.7	6,857.0	27.7	24.6	-134.25	488.9	821.6	403.8	363.5	40.28	10.024	
7,100.0	6,960.3	7,046.3	6,956.7	28.0	24.6	-135.13	488.9	821.6	409.4	368.4	40.93	10.002	
7,200.0	7,060.2	7,146.2	7,056.5	28.4	24.7	-135.61	488.9	821.6	412.5	371.1	41.40	9.964	
7,277.9	7,138.1	7,224.1	7,134.4	28.5	24.7	-57.72	488.9	821.6	413.3	371.7	41.58	9.941	
7,300.0	7,160.1	7,246.2	7,156.5	28.5	24.7	-57.72	488.9	821.6	413.3	371.7	41.59	9.938	
7,400.0	7,260.1	7,346.2	7,256.5	28.5	24.7	-57.72	488.9	821.6	413.3	371.6	41.67	9.917	
7,500.0	7,360.1	7,446.2	7,356.5	28.6	24.8	-57.72	488.9	821.6	413.3	371.5	41.76	9.897	
7,600.0	7,460.1	7,546.2	7,456.5	28.6	24.8	-57.72	488.9	821.6	413.3	371.4	41.84	9.877	
7,700.0	7,560.1	7,646.2	7,556.5	28.6	24.9	-57.72	488.9	821.6	413.3	371.4	41.93	9.858	
7,800.0	7,660.1	7,746.2	7,656.5	28.7	24.9	-57.72	488.9	821.6	413.3	371.3	42.01	9.838	
7,900.0	7,760.1	7,846.2	7,756.5	28.7	24.9	-57.72	488.9	821.6	413.3	371.2	42.10	9.818	
8,000.0	7,860.1	7,946.2	7,856.5	28.7	25.0	-57.72	488.9	821.6	413.3	371.1	42.18	9.798	
8,100.0	7,960.1	8,046.2	7,956.5	28.8	25.0	-57.72	488.9	821.6	413.3	371.0	42.27	9.778	
8,200.0	8,060.1	8,146.2	8,056.5	28.8	25.0	-57.72	488.9	821.6	413.3	370.9	42.35	9.758	
8,300.0	8,160.1	8,246.2	8,156.5	28.8	25.1	-57.72	488.9	821.6	413.3	370.8	42.44	9.738	
8,400.0	8,260.1	8,346.2	8,256.5	28.8	25.1	-57.72	488.9	821.6	413.3	370.8	42.53	9.718	
8,500.0	8,360.1	8,446.2	8,356.5	28.9	25.2	-57.72	488.9	821.6	413.3	370.7	42.62	9.698	
8,600.0	8,460.1	8,546.2	8,456.5	28.9	25.2	-57.72	488.9	821.6	413.3	370.6	42.70	9.678	
8,700.0	8,560.1	8,646.2	8,556.5	28.9	25.2	-57.72	488.9	821.6	413.3	370.5	42.79	9.658	
8,800.0	8,660.1	8,746.2	8,656.5	29.0	25.3	-57.72	488.9	821.6	413.3	370.4	42.88	9.638	
8,900.0	8,760.1	8,846.2	8,756.5	29.0	25.3	-57.72	488.9	821.6	413.3	370.3	42.97	9.618	
9,000.0	8,860.1	8,946.2	8,856.5	29.0	25.4	-57.72	488.9	821.6	413.3	370.2	43.06	9.598	
9,100.0	8,960.1	9,046.2	8,956.5	29.1	25.4	-57.72	488.9	821.6	413.3	370.1	43.15	9.578	
9,200.0	9,060.1	9,146.2	9,056.5	29.1	25.4	-57.72	488.9	821.6	413.3	370.0	43.24	9.558	
9,300.0	9,160.1	9,246.2	9,156.5	29.1	25.5	-57.72	488.9	821.6	413.3	370.0	43.33	9.538	
9,400.0	9,260.1	9,346.2	9,256.5	29.2	25.5	-57.72	488.9	821.6	413.3	369.9	43.42	9.517	
9,500.0	9,360.1	9,446.2	9,356.5	29.2	25.6	-57.72	488.9	821.6	413.3	369.8	43.52	9.497	
9,600.0	9,460.1	9,546.2	9,456.5	29.2	25.6	-57.72	488.9	821.6	413.3	369.7	43.61	9.477	
9,700.0	9,560.1	9,646.2	9,556.5	29.3	25.6	-57.72	488.9	821.6	413.3	369.6	43.70	9.457	
9,800.0	9,660.1	9,746.2	9,656.5	29.3	25.7	-57.72	488.9	821.6	413.3	369.5	43.79	9.437	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	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	9,760.1	9,846.2	9,756.5	29.3	25.7	-57.72	488.9	821.6	413.3	369.4	43.89	9.417	
10,000.0	9,860.1	9,946.2	9,856.5	29.4	25.8	-57.72	488.9	821.6	413.3	369.3	43.98	9.397	
10,100.0	9,960.1	10,046.2	9,956.5	29.4	25.8	-57.72	488.9	821.6	413.3	369.2	44.08	9.377	
10,200.0	10,060.1	10,146.2	10,056.5	29.4	25.8	-57.72	488.9	821.6	413.3	369.1	44.17	9.357	
10,300.0	10,160.1	10,246.2	10,156.5	29.5	25.9	-57.72	488.9	821.6	413.3	369.0	44.27	9.336	
10,400.0	10,260.1	10,346.2	10,256.5	29.5	25.9	-57.72	488.9	821.6	413.3	368.9	44.36	9.316	
10,500.0	10,360.1	10,446.2	10,356.5	29.5	26.0	-57.72	488.9	821.6	413.3	368.8	44.46	9.296	
10,600.0	10,460.1	10,546.2	10,456.5	29.6	26.0	-57.72	488.9	821.6	413.3	368.7	44.55	9.276	
10,700.0	10,560.1	10,646.2	10,556.5	29.6	26.0	-57.72	488.9	821.6	413.3	368.6	44.65	9.256	
10,800.0	10,660.1	10,746.2	10,656.5	29.6	26.1	-57.72	488.9	821.6	413.3	368.5	44.75	9.236	
10,900.0	10,760.1	10,846.2	10,756.5	29.7	26.1	-57.72	488.9	821.6	413.3	368.4	44.84	9.216	
11,000.0	10,860.1	10,946.2	10,856.5	29.7	26.2	-57.72	488.9	821.6	413.3	368.3	44.94	9.196	
11,100.0	10,960.1	11,046.2	10,956.5	29.8	26.2	-57.72	488.9	821.6	413.3	368.2	45.04	9.176	
11,200.0	11,060.1	11,146.2	11,056.5	29.8	26.3	-57.72	488.9	821.6	413.3	368.1	45.14	9.156	
11,273.9	11,134.0	11,220.1	11,130.4	29.8	26.3	-57.72	488.9	821.6	413.3	368.1	45.20	9.143 SF	
11,300.0	11,160.1	11,246.2	11,156.5	29.8	26.3	122.69	488.9	821.6	413.6	368.4	45.19	9.152	
11,350.0	11,209.9	11,296.0	11,206.3	29.8	26.3	123.00	488.9	821.6	416.0	371.0	45.05	9.235	
11,400.0	11,259.1	11,345.2	11,255.5	29.8	26.4	123.59	488.9	821.6	420.9	376.2	44.73	9.409	
11,450.0	11,307.4	11,393.5	11,303.8	29.8	26.4	124.38	488.9	821.6	428.4	384.1	44.26	9.678	
11,500.0	11,354.3	11,426.2	11,336.5	29.9	26.4	124.79	489.7	821.6	439.3	395.9	43.44	10.113	
11,550.0	11,399.6	11,450.0	11,360.2	29.9	26.4	124.72	491.5	821.6	454.9	412.4	42.46	10.712	
11,600.0	11,442.8	11,481.3	11,391.3	29.9	26.4	124.98	495.3	821.6	474.9	433.4	41.54	11.433	
11,650.0	11,483.7	11,500.0	11,409.7	29.9	26.4	124.09	498.4	821.6	499.6	458.9	40.63	12.294	
11,700.0	11,521.9	11,522.2	11,431.5	29.9	26.4	123.11	502.8	821.6	528.4	488.6	39.86	13.258	
11,750.0	11,557.2	11,537.3	11,446.2	29.9	26.4	120.94	506.3	821.6	561.2	522.0	39.23	14.307	
11,800.0	11,589.3	11,550.0	11,458.5	29.9	26.4	117.81	509.5	821.6	597.4	558.6	38.74	15.419	
11,850.0	11,617.9	11,550.0	11,458.5	30.0	26.4	112.13	509.5	821.6	636.4	598.0	38.45	16.551	
11,900.0	11,642.8	11,563.6	11,471.6	30.0	26.4	107.14	513.3	821.6	677.6	639.4	38.17	17.753	
11,950.0	11,663.8	11,567.0	11,474.8	30.0	26.4	99.51	514.3	821.6	720.5	682.5	38.01	18.957	
12,000.0	11,680.8	11,568.1	11,475.8	30.1	26.4	90.36	514.6	821.6	764.6	726.7	37.90	20.175	
12,050.0	11,693.7	11,567.2	11,475.0	30.1	26.4	80.18	514.4	821.6	809.4	771.6	37.82	21.401	
12,100.0	11,702.2	11,564.5	11,472.4	30.2	26.4	69.76	513.6	821.6	854.5	816.7	37.76	22.630	
12,150.0	11,706.5	11,550.0	11,458.5	30.2	26.4	58.74	509.5	821.6	899.5	861.7	37.77	23.815	
12,173.9	11,707.0	11,550.0	11,458.5	30.2	26.4	54.85	509.5	821.6	920.8	883.0	37.72	24.411	
12,200.0	11,707.0	11,550.0	11,458.5	30.3	26.4	54.85	509.5	821.6	944.0	906.3	37.67	25.062	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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 (usft)	Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-0.27	200.0	-1.0	200.1				
100.0	100.0	96.5	96.5	3.0	3.0	-0.27	200.0	-1.0	200.0	193.5	6.52	30.686	
200.0	200.0	196.5	196.5	3.2	3.2	-0.27	200.0	-1.0	200.0	193.3	6.77	29.566	
300.0	300.0	296.5	296.5	3.3	3.3	-0.27	200.0	-1.0	200.0	193.0	7.01	28.520	
400.0	400.0	396.5	396.5	3.4	3.4	-0.27	200.0	-1.0	200.0	192.8	7.26	27.555	
500.0	500.0	496.5	496.5	3.5	3.5	-0.27	200.0	-1.0	200.0	192.5	7.50	26.660	
600.0	600.0	596.5	596.5	3.7	3.7	-0.27	200.0	-1.0	200.0	192.3	7.75	25.825	
700.0	700.0	696.5	696.5	3.8	3.8	-0.27	200.0	-1.0	200.0	192.1	7.99	25.046	
800.0	800.0	796.5	796.5	3.9	3.9	-0.27	200.0	-1.0	200.0	191.8	8.23	24.316	
900.0	900.0	896.5	896.5	4.0	4.0	-0.27	200.0	-1.0	200.0	191.6	8.47	23.631	
1,000.0	1,000.0	996.5	996.5	4.2	4.2	-0.27	200.0	-1.0	200.0	191.3	8.70	22.985	
1,100.0	1,100.0	1,096.5	1,096.5	4.3	4.3	-0.27	200.0	-1.0	200.0	191.1	8.94	22.377	
1,200.0	1,200.0	1,196.5	1,196.5	4.4	4.4	-0.27	200.0	-1.0	200.0	190.9	9.18	21.801	
1,300.0	1,300.0	1,296.5	1,296.5	4.5	4.5	-0.27	200.0	-1.0	200.0	190.6	9.41	21.257	
1,400.0	1,400.0	1,396.5	1,396.5	4.6	4.6	-0.27	200.0	-1.0	200.0	190.4	9.65	20.740	
1,500.0	1,500.0	1,496.5	1,496.5	4.8	4.7	-0.27	200.0	-1.0	200.0	190.2	9.88	20.250	
1,600.0	1,600.0	1,594.0	1,594.0	4.9	4.9	-60.31	200.6	0.0	200.0	189.9	10.09	19.826	
1,700.0	1,699.9	1,691.5	1,691.4	5.0	5.0	-60.35	202.4	3.2	199.9	189.5	10.40	19.220	
1,800.0	1,799.7	1,789.0	1,788.7	5.2	5.2	-60.42	205.5	8.5	199.8	189.0	10.72	18.635	
1,900.0	1,899.3	1,887.6	1,886.9	5.4	5.3	-60.45	209.7	16.2	199.4	188.5	10.98	18.166	
2,000.0	1,998.6	1,987.1	1,985.7	5.7	5.6	-60.19	214.3	27.3	198.2	186.9	11.32	17.514	
2,033.3	2,031.6	2,020.3	2,018.5	5.7	5.7	-60.02	215.9	31.8	197.5	186.1	11.40	17.329	
2,100.0	2,097.5	2,086.6	2,084.0	5.9	5.9	-64.92	219.1	41.8	196.3	184.7	11.60	16.922	
2,200.0	2,196.0	2,186.0	2,181.6	6.2	6.2	-70.19	224.2	59.7	195.1	183.1	11.96	16.305	
2,297.6	2,291.6	2,282.9	2,276.2	6.5	6.6	-73.72	229.3	80.4	194.7	182.4	12.32	15.796 CC	
2,300.0	2,293.9	2,285.3	2,278.5	6.6	6.6	-73.79	229.4	81.0	194.7	182.4	12.33	15.784	
2,375.5	2,367.5	2,360.7	2,351.7	6.8	6.9	-75.97	233.5	98.7	194.9	182.3	12.59	15.480	
2,400.0	2,391.2	2,385.2	2,375.4	6.9	6.9	-75.97	234.9	104.5	195.0	182.3	12.66	15.405	
2,500.0	2,488.2	2,485.2	2,472.5	7.2	7.3	-76.01	240.3	128.1	195.4	182.3	13.04	14.980	
2,600.0	2,585.3	2,585.2	2,569.5	7.6	7.6	-76.04	245.7	151.6	195.8	182.3	13.43	14.575	
2,700.0	2,682.3	2,685.2	2,666.5	7.9	8.0	-76.07	251.2	175.2	196.2	182.4	13.83	14.183	
2,800.0	2,779.3	2,785.2	2,763.6	8.3	8.4	-76.10	256.6	198.8	196.6	182.4	14.24	13.802	
2,900.0	2,876.3	2,885.2	2,860.6	8.7	8.8	-76.13	262.1	222.4	197.0	182.3	14.66	13.434	
3,000.0	2,973.4	2,985.2	2,957.6	9.1	9.2	-76.16	267.5	245.9	197.4	182.3	15.09	13.080	
3,100.0	3,070.4	3,085.2	3,054.7	9.5	9.6	-76.19	273.0	269.5	197.8	182.3	15.53	12.739	
3,200.0	3,167.4	3,185.2	3,151.7	10.0	10.0	-76.22	278.4	293.1	198.2	182.3	15.97	12.411	
3,300.0	3,264.5	3,285.2	3,248.7	10.4	10.5	-76.25	283.8	316.6	198.6	182.2	16.42	12.097	
3,400.0	3,361.5	3,385.2	3,345.7	10.8	10.9	-76.28	289.3	340.2	199.1	182.2	16.88	11.795	
3,500.0	3,458.5	3,485.2	3,442.8	11.3	11.3	-76.31	294.7	363.8	199.5	182.1	17.34	11.505	
3,600.0	3,555.5	3,585.2	3,539.8	11.7	11.8	-76.34	300.2	387.4	199.9	182.1	17.80	11.227	
3,700.0	3,652.6	3,685.2	3,636.8	12.1	12.2	-76.37	305.6	410.9	200.3	182.0	18.27	10.961	
3,800.0	3,749.6	3,785.2	3,733.9	12.6	12.7	-76.40	311.1	434.5	200.7	181.9	18.75	10.706	
3,900.0	3,846.6	3,885.2	3,830.9	13.0	13.1	-76.43	316.5	458.1	201.1	181.9	19.22	10.462	
4,000.0	3,943.7	3,985.2	3,927.9	13.5	13.6	-76.46	321.9	481.6	201.5	181.8	19.70	10.227	
4,100.0	4,040.7	4,085.2	4,024.9	14.0	14.0	-76.48	327.4	505.2	201.9	181.7	20.19	10.002	
4,200.0	4,137.7	4,185.2	4,122.0	14.4	14.5	-76.51	332.8	528.8	202.3	181.7	20.67	9.787	
4,300.0	4,234.8	4,285.2	4,219.0	14.9	14.9	-76.54	338.3	552.4	202.7	181.6	21.16	9.580	
4,400.0	4,331.8	4,385.2	4,316.0	15.3	15.4	-76.57	343.7	575.9	203.1	181.5	21.66	9.381	
4,500.0	4,428.8	4,485.2	4,413.1	15.8	15.9	-76.60	349.1	599.5	203.6	181.4	22.15	9.190	
4,600.0	4,525.8	4,585.2	4,510.1	16.3	16.3	-76.63	354.6	623.1	204.0	181.3	22.65	9.007	
4,700.0	4,622.9	4,685.2	4,607.1	16.7	16.8	-76.66	360.0	646.6	204.4	181.2	23.14	8.831	
4,800.0	4,719.9	4,785.2	4,704.1	17.2	17.3	-76.68	365.5	670.2	204.8	181.1	23.64	8.661	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		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		
4,900.0	4,816.9	4,885.2	4,801.2	17.7	17.7	-76.71	370.9	693.8	205.2	181.1	24.15	8.498		
5,000.0	4,914.0	4,985.2	4,898.2	18.2	18.2	-76.74	376.4	717.4	205.6	181.0	24.65	8.342		
5,100.0	5,011.0	5,085.2	4,995.2	18.6	18.7	-76.77	381.8	740.9	206.0	180.9	25.15	8.191		
5,200.0	5,108.0	5,185.2	5,092.3	19.1	19.2	-76.80	387.2	764.5	206.4	180.8	25.66	8.045		
5,300.0	5,205.1	5,285.2	5,189.3	19.6	19.6	-76.82	392.7	788.1	206.8	180.7	26.17	7.905		
5,400.0	5,302.1	5,385.2	5,286.3	20.1	20.1	-76.85	398.1	811.7	207.3	180.6	26.67	7.770		
5,500.0	5,399.1	5,485.2	5,383.3	20.5	20.6	-76.88	403.6	835.2	207.7	180.5	27.18	7.639		
5,600.0	5,496.1	5,585.2	5,480.4	21.0	21.1	-76.91	409.0	858.8	208.1	180.4	27.69	7.513		
5,700.0	5,593.2	5,685.2	5,577.4	21.5	21.5	-76.93	414.4	882.4	208.5	180.3	28.21	7.392		
5,800.0	5,690.2	5,785.2	5,674.4	22.0	22.0	-76.96	419.9	905.9	208.9	180.2	28.72	7.274		
5,900.0	5,787.2	5,885.2	5,771.5	22.4	22.5	-76.99	425.3	929.5	209.3	180.1	29.23	7.161		
6,000.0	5,884.3	5,985.2	5,868.5	22.9	23.0	-77.02	430.8	953.1	209.7	180.0	29.74	7.051		
6,100.0	5,981.3	6,085.2	5,965.5	23.4	23.4	-77.04	436.2	976.7	210.1	179.9	30.26	6.944		
6,200.0	6,078.3	6,185.2	6,062.5	23.9	23.9	-77.07	441.7	1,000.2	210.5	179.8	30.77	6.842		
6,300.0	6,175.3	6,285.2	6,159.6	24.4	24.4	-77.10	447.1	1,023.8	210.9	179.7	31.29	6.742		
6,400.0	6,272.4	6,385.2	6,256.6	24.9	24.9	-77.12	452.5	1,047.4	211.4	179.6	31.80	6.646		
6,500.0	6,369.4	6,485.2	6,353.6	25.3	25.4	-77.15	458.0	1,070.9	211.8	179.4	32.32	6.552		
6,577.9	6,445.0	6,563.1	6,429.2	25.7	25.7	-77.17	462.2	1,089.3	212.1	179.4	32.71	6.483		
6,600.0	6,466.5	6,585.2	6,450.7	25.8	25.9	-77.15	463.4	1,094.5	212.2	179.4	32.83	6.464 ES		
6,700.0	6,564.1	6,685.1	6,547.6	26.3	26.3	-76.54	468.9	1,118.1	213.2	179.7	33.51	6.362		
6,800.0	6,662.4	6,784.9	6,644.5	26.8	26.8	-75.05	474.3	1,141.6	215.1	180.6	34.43	6.247		
6,900.0	6,761.2	6,886.0	6,742.7	27.2	27.3	-72.88	479.6	1,164.7	217.9	182.3	35.58	6.124		
7,000.0	6,860.6	6,988.2	6,842.8	27.7	27.8	-70.70	484.3	1,184.9	221.0	184.3	36.77	6.012		
7,100.0	6,960.3	7,090.7	6,943.9	28.0	28.3	-68.60	488.2	1,201.6	224.4	186.5	37.94	5.915		
7,200.0	7,060.2	7,193.6	7,045.8	28.4	28.7	-66.58	491.2	1,214.9	228.0	188.9	39.07	5.835		
7,277.9	7,138.1	7,273.9	7,125.8	28.5	29.1	12.95	493.0	1,222.7	230.9	191.0	39.88	5.789		
7,300.0	7,160.1	7,296.8	7,148.5	28.5	29.1	13.36	493.4	1,224.6	231.7	191.6	40.08	5.780		
7,400.0	7,260.1	7,400.4	7,252.0	28.5	29.5	14.73	494.9	1,230.7	234.4	193.6	40.78	5.748		
7,500.0	7,360.1	7,504.4	7,355.9	28.6	29.8	15.27	495.4	1,233.1	235.6	194.5	41.08	5.734		
7,600.0	7,460.1	7,605.1	7,456.6	28.6	29.9	15.29	495.4	1,233.1	235.6	194.4	41.16	5.724		
7,700.0	7,560.1	7,705.1	7,556.6	28.6	29.9	15.29	495.4	1,233.1	235.6	194.3	41.25	5.710		
7,800.0	7,660.1	7,805.1	7,656.6	28.7	29.9	15.29	495.4	1,233.1	235.6	194.2	41.35	5.697		
7,900.0	7,760.1	7,905.1	7,756.6	28.7	30.0	15.29	495.4	1,233.1	235.6	194.1	41.45	5.684		
8,000.0	7,860.1	8,005.1	7,856.6	28.7	30.0	15.29	495.4	1,233.1	235.6	194.0	41.55	5.670		
8,100.0	7,960.1	8,105.1	7,956.6	28.8	30.0	15.29	495.4	1,233.1	235.6	193.9	41.64	5.657		
8,200.0	8,060.1	8,205.1	8,056.6	28.8	30.0	15.29	495.4	1,233.1	235.6	193.8	41.74	5.644		
8,300.0	8,160.1	8,305.1	8,156.6	28.8	30.1	15.29	495.4	1,233.1	235.6	193.7	41.84	5.630		
8,400.0	8,260.1	8,405.1	8,256.6	28.8	30.1	15.29	495.4	1,233.1	235.6	193.6	41.94	5.617		
8,500.0	8,360.1	8,505.1	8,356.6	28.9	30.1	15.29	495.4	1,233.1	235.6	193.5	42.04	5.604		
8,600.0	8,460.1	8,605.1	8,456.6	28.9	30.2	15.29	495.4	1,233.1	235.6	193.4	42.14	5.590		
8,700.0	8,560.1	8,705.1	8,556.6	28.9	30.2	15.29	495.4	1,233.1	235.6	193.3	42.24	5.577		
8,800.0	8,660.1	8,805.1	8,656.6	29.0	30.2	15.29	495.4	1,233.1	235.6	193.2	42.34	5.564		
8,900.0	8,760.1	8,905.1	8,756.6	29.0	30.3	15.29	495.4	1,233.1	235.6	193.1	42.44	5.551		
9,000.0	8,860.1	9,005.1	8,856.6	29.0	30.3	15.29	495.4	1,233.1	235.6	193.0	42.54	5.537		
9,100.0	8,960.1	9,105.1	8,956.6	29.1	30.3	15.29	495.4	1,233.1	235.6	192.9	42.65	5.524		
9,200.0	9,060.1	9,205.1	9,056.6	29.1	30.4	15.29	495.4	1,233.1	235.6	192.8	42.75	5.511		
9,300.0	9,160.1	9,305.1	9,156.6	29.1	30.4	15.29	495.4	1,233.1	235.6	192.7	42.85	5.498		
9,400.0	9,260.1	9,405.1	9,256.6	29.2	30.4	15.29	495.4	1,233.1	235.6	192.6	42.95	5.484		
9,500.0	9,360.1	9,505.1	9,356.6	29.2	30.5	15.29	495.4	1,233.1	235.6	192.5	43.06	5.471		
9,600.0	9,460.1	9,605.1	9,456.6	29.2	30.5	15.29	495.4	1,233.1	235.6	192.4	43.16	5.458		
9,700.0	9,560.1	9,705.1	9,556.6	29.3	30.5	15.29	495.4	1,233.1	235.6	192.3	43.27	5.445		
9,800.0	9,660.1	9,805.1	9,656.6	29.3	30.6	15.29	495.4	1,233.1	235.6	192.2	43.37	5.432		

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		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	9,760.1	9,905.1	9,756.6	29.3	30.6	15.29	495.4	1,233.1	235.6	192.1	43.47	5.419	
10,000.0	9,860.1	10,005.1	9,856.6	29.4	30.6	15.29	495.4	1,233.1	235.6	192.0	43.58	5.406	
10,100.0	9,960.1	10,105.1	9,956.6	29.4	30.7	15.29	495.4	1,233.1	235.6	191.9	43.68	5.393	
10,200.0	10,060.1	10,205.1	10,056.6	29.4	30.7	15.29	495.4	1,233.1	235.6	191.8	43.79	5.380	
10,300.0	10,160.1	10,305.1	10,156.6	29.5	30.7	15.29	495.4	1,233.1	235.6	191.7	43.90	5.367	
10,400.0	10,260.1	10,405.1	10,256.6	29.5	30.8	15.29	495.4	1,233.1	235.6	191.6	44.00	5.354	
10,500.0	10,360.1	10,505.1	10,356.6	29.5	30.8	15.29	495.4	1,233.1	235.6	191.5	44.11	5.341	
10,600.0	10,460.1	10,605.1	10,456.6	29.6	30.8	15.29	495.4	1,233.1	235.6	191.4	44.22	5.328	
10,700.0	10,560.1	10,705.1	10,556.6	29.6	30.9	15.29	495.4	1,233.1	235.6	191.3	44.33	5.315	
10,800.0	10,660.1	10,805.1	10,656.6	29.6	30.9	15.29	495.4	1,233.1	235.6	191.1	44.43	5.302	
10,900.0	10,760.1	10,905.1	10,756.6	29.7	31.0	15.29	495.4	1,233.1	235.6	191.0	44.54	5.289	
11,000.0	10,860.1	11,005.1	10,856.6	29.7	31.0	15.29	495.4	1,233.1	235.6	190.9	44.65	5.276	
11,100.0	10,960.1	11,105.1	10,956.6	29.8	31.0	15.29	495.4	1,233.1	235.6	190.8	44.76	5.263	
11,200.0	11,060.1	11,205.1	11,056.6	29.8	31.1	15.29	495.4	1,233.1	235.6	190.7	44.87	5.251	
11,273.9	11,134.0	11,279.0	11,130.5	29.8	31.1	15.29	495.4	1,233.1	235.6	190.7	44.92	5.244 SF	
11,300.0	11,160.1	11,300.0	11,151.5	29.8	31.1	-164.38	495.8	1,233.1	236.6	191.5	45.08	5.248	
11,350.0	11,209.9	11,333.0	11,184.4	29.8	31.1	-164.51	497.9	1,233.1	243.8	198.3	45.51	5.358	
11,400.0	11,259.1	11,366.5	11,217.7	29.8	31.1	-164.73	502.0	1,233.1	258.1	212.4	45.73	5.643	
11,450.0	11,307.4	11,400.0	11,250.6	29.8	31.1	-165.02	508.1	1,233.1	278.9	233.1	45.79	6.091	
11,500.0	11,354.3	11,425.4	11,275.4	29.9	31.1	-165.04	513.9	1,233.1	305.7	259.8	45.94	6.655	
11,550.0	11,399.6	11,450.0	11,299.0	29.9	31.1	-164.91	520.6	1,233.1	337.8	291.8	45.98	7.346	
11,600.0	11,442.8	11,470.5	11,318.5	29.9	31.1	-164.43	527.0	1,233.1	374.5	328.5	46.03	8.136	
11,650.0	11,483.7	11,487.5	11,334.5	29.9	31.1	-163.47	532.8	1,233.0	414.9	368.9	46.06	9.009	
11,700.0	11,521.9	11,500.0	11,346.1	29.9	31.1	-161.68	537.3	1,233.0	458.4	412.3	46.10	9.944	
11,750.0	11,557.2	11,500.0	11,346.1	29.9	31.1	-157.48	537.3	1,233.0	504.5	458.2	46.30	10.898	
11,800.0	11,589.3	11,518.7	11,363.4	29.9	31.1	-153.45	544.6	1,233.0	551.9	505.8	46.09	11.976	
11,850.0	11,617.9	11,523.4	11,367.6	30.0	31.1	-142.49	546.5	1,233.0	600.7	554.7	46.06	13.042	
11,900.0	11,642.8	11,525.6	11,369.7	30.0	31.1	-116.12	547.5	1,233.0	650.2	604.2	46.02	14.130	
11,950.0	11,663.8	11,525.7	11,369.8	30.0	31.1	-66.86	547.5	1,233.0	700.0	654.0	45.95	15.233	
12,000.0	11,680.8	11,524.0	11,368.1	30.1	31.1	-34.78	546.8	1,233.0	749.6	703.7	45.86	16.344	
12,050.0	11,693.7	11,520.5	11,365.0	30.1	31.1	-21.53	545.4	1,233.0	798.8	753.0	45.75	17.457	
12,100.0	11,702.2	11,515.5	11,360.4	30.2	31.1	-15.12	543.4	1,233.0	847.1	801.5	45.62	18.567	
12,150.0	11,706.5	11,500.0	11,346.1	30.2	31.1	-11.18	537.3	1,233.0	894.5	849.0	45.57	19.630	
12,173.9	11,707.0	11,500.0	11,346.1	30.2	31.1	-10.11	537.3	1,233.0	916.6	871.2	45.45	20.168	
12,200.0	11,707.0	11,500.0	11,346.1	30.3	31.1	-10.11	537.3	1,233.0	940.7	895.3	45.32	20.754	

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

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Anticollision Report

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Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	8.26	199.9	29.0	202.0				
100.0	100.0	96.4	96.4	3.0	3.0	8.26	199.9	29.0	202.0	195.4	6.52	30.981	
200.0	200.0	196.4	196.4	3.2	3.2	8.26	199.9	29.0	202.0	195.2	6.77	29.851	
300.0	300.0	296.4	296.4	3.3	3.3	8.26	199.9	29.0	202.0	195.0	7.01	28.797	
400.0	400.0	396.4	396.4	3.4	3.4	8.26	199.9	29.0	202.0	194.7	7.26	27.824	
500.0	500.0	496.4	496.4	3.5	3.5	8.26	199.9	29.0	202.0	194.5	7.50	26.921	
600.0	600.0	596.4	596.4	3.7	3.7	8.26	199.9	29.0	202.0	194.2	7.74	26.081	
700.0	700.0	696.4	696.4	3.8	3.8	8.26	199.9	29.0	202.0	194.0	7.98	25.296	
800.0	800.0	796.4	796.4	3.9	3.9	8.26	199.9	29.0	202.0	193.7	8.22	24.561	
900.0	900.0	896.4	896.4	4.0	4.0	8.26	199.9	29.0	202.0	193.5	8.46	23.871	
1,000.0	1,000.0	996.4	996.4	4.2	4.2	8.26	199.9	29.0	202.0	193.3	8.70	23.222 CC, ES	
1,100.0	1,100.0	1,094.4	1,094.4	4.3	4.3	8.68	200.1	30.5	202.4	193.5	8.93	22.671	
1,200.0	1,200.0	1,192.1	1,192.0	4.4	4.4	9.99	200.9	35.4	204.0	194.9	9.15	22.293	
1,300.0	1,300.0	1,289.4	1,288.9	4.5	4.6	12.13	202.2	43.4	206.9	197.5	9.37	22.071	
1,400.0	1,400.0	1,386.0	1,384.8	4.6	4.8	15.00	203.9	54.7	211.4	201.8	9.60	22.022	
1,500.0	1,500.0	1,481.7	1,479.4	4.8	5.0	18.48	206.2	68.9	218.1	208.2	9.84	22.172	
1,600.0	1,600.0	1,576.5	1,572.7	4.9	5.3	-37.71	208.9	86.1	226.2	216.1	10.07	22.460	
1,700.0	1,699.9	1,670.7	1,664.6	5.0	5.5	-33.92	212.1	106.2	235.0	224.6	10.43	22.538	
1,800.0	1,799.7	1,764.9	1,755.8	5.2	5.7	-30.14	215.7	129.2	244.6	233.8	10.76	22.725	
1,900.0	1,899.3	1,863.3	1,850.9	5.4	5.9	-26.57	219.7	154.4	253.7	242.5	11.19	22.672	
2,000.0	1,998.6	1,962.0	1,946.3	5.7	6.1	-23.50	223.7	179.6	261.3	249.6	11.70	22.340	
2,033.3	2,031.6	1,995.0	1,978.1	5.7	6.2	-22.56	225.1	188.1	263.5	251.6	11.84	22.259	
2,100.0	2,097.5	2,061.1	2,042.0	5.9	6.4	-26.10	227.7	205.0	267.3	255.2	12.17	21.965	
2,200.0	2,196.0	2,160.6	2,138.1	6.2	6.7	-29.98	231.8	230.4	272.0	259.2	12.78	21.275	
2,300.0	2,293.9	2,260.4	2,234.5	6.6	7.0	-32.91	235.8	255.9	274.9	261.5	13.43	20.476	
2,375.5	2,367.5	2,335.9	2,307.4	6.8	7.3	-34.82	238.9	275.2	275.9	262.1	13.89	19.870	
2,400.0	2,391.2	2,360.4	2,331.0	6.9	7.4	-34.72	239.9	281.5	276.1	262.1	14.02	19.688	
2,500.0	2,488.2	2,460.3	2,427.6	7.2	7.8	-34.28	243.9	307.0	276.7	262.1	14.69	18.838	
2,600.0	2,585.3	2,560.3	2,524.2	7.6	8.1	-33.85	247.9	332.6	277.4	262.0	15.38	18.040	
2,700.0	2,682.3	2,660.3	2,620.7	7.9	8.5	-33.43	252.0	358.1	278.1	262.0	16.09	17.284	
2,800.0	2,779.3	2,760.3	2,717.3	8.3	8.9	-33.00	256.0	383.7	278.8	261.9	16.82	16.570	
2,900.0	2,876.3	2,860.2	2,813.9	8.7	9.3	-32.58	260.1	409.2	279.5	261.9	17.58	15.897	
3,000.0	2,973.4	2,960.2	2,910.4	9.1	9.8	-32.15	264.1	434.8	280.2	261.8	18.35	15.266	
3,100.0	3,070.4	3,060.2	3,007.0	9.5	10.2	-31.73	268.2	460.4	280.9	261.8	19.15	14.673	
3,200.0	3,167.4	3,160.2	3,103.6	10.0	10.6	-31.32	272.2	485.9	281.7	261.7	19.95	14.117	
3,300.0	3,264.5	3,260.2	3,200.2	10.4	11.1	-30.90	276.3	511.5	282.4	261.7	20.77	13.596	
3,400.0	3,361.5	3,360.1	3,296.7	10.8	11.5	-30.49	280.3	537.0	283.2	261.6	21.61	13.106	
3,500.0	3,458.5	3,460.1	3,393.3	11.3	11.9	-30.08	284.4	562.6	284.0	261.6	22.46	12.647	
3,600.0	3,555.5	3,560.1	3,489.9	11.7	12.4	-29.67	288.4	588.1	284.8	261.5	23.31	12.217	
3,700.0	3,652.6	3,660.1	3,586.4	12.1	12.9	-29.27	292.5	613.7	285.6	261.5	24.18	11.812	
3,800.0	3,749.6	3,760.0	3,683.0	12.6	13.3	-28.86	296.5	639.3	286.5	261.4	25.06	11.431	
3,900.0	3,846.6	3,860.0	3,779.6	13.0	13.8	-28.46	300.6	664.8	287.3	261.4	25.95	11.073	
4,000.0	3,943.7	3,960.0	3,876.1	13.5	14.2	-28.06	304.6	690.4	288.2	261.4	26.85	10.736	
4,100.0	4,040.7	4,060.0	3,972.7	14.0	14.7	-27.67	308.7	715.9	289.1	261.3	27.75	10.418	
4,200.0	4,137.7	4,159.9	4,069.3	14.4	15.2	-27.27	312.7	741.5	290.0	261.3	28.66	10.118	
4,300.0	4,234.8	4,259.9	4,165.9	14.9	15.6	-26.88	316.8	767.0	290.9	261.3	29.58	9.834	
4,400.0	4,331.8	4,359.9	4,262.4	15.3	16.1	-26.49	320.8	792.6	291.8	261.3	30.50	9.566	
4,500.0	4,428.8	4,459.9	4,359.0	15.8	16.6	-26.10	324.9	818.2	292.7	261.3	31.43	9.313	
4,600.0	4,525.8	4,559.8	4,455.6	16.3	17.1	-25.72	328.9	843.7	293.7	261.3	32.37	9.072	
4,700.0	4,622.9	4,659.8	4,552.1	16.7	17.5	-25.34	333.0	869.3	294.6	261.3	33.31	8.844	
4,800.0	4,719.9	4,759.8	4,648.7	17.2	18.0	-24.96	337.0	894.8	295.6	261.4	34.26	8.628	
4,900.0	4,816.9	4,859.8	4,745.3	17.7	18.5	-24.58	341.0	920.4	296.6	261.4	35.22	8.423	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	
5,000.0	4,914.0	4,959.7	4,841.8	18.2	19.0	-24.21	345.1	945.9	297.6	261.4	36.17	8.227	
5,100.0	5,011.0	5,059.7	4,938.4	18.6	19.4	-23.84	349.1	971.5	298.6	261.5	37.14	8.041	
5,200.0	5,108.0	5,159.7	5,035.0	19.1	19.9	-23.47	353.2	997.1	299.6	261.5	38.10	7.864	
5,300.0	5,205.1	5,259.7	5,131.5	19.6	20.4	-23.10	357.2	1,022.6	300.7	261.6	39.07	7.695	
5,400.0	5,302.1	5,359.7	5,228.1	20.1	20.9	-22.74	361.3	1,048.2	301.7	261.7	40.05	7.534	
5,500.0	5,399.1	5,459.6	5,324.7	20.5	21.4	-22.38	365.3	1,073.7	302.8	261.8	41.02	7.381	
5,600.0	5,496.1	5,559.6	5,421.3	21.0	21.9	-22.02	369.4	1,099.3	303.9	261.9	42.01	7.234	
5,700.0	5,593.2	5,659.6	5,517.8	21.5	22.3	-21.66	373.4	1,124.8	304.9	262.0	42.99	7.093	
5,800.0	5,690.2	5,759.6	5,614.4	22.0	22.8	-21.31	377.5	1,150.4	306.0	262.1	43.98	6.959	
5,900.0	5,787.2	5,859.5	5,711.0	22.4	23.3	-20.96	381.5	1,176.0	307.1	262.2	44.97	6.830	
6,000.0	5,884.3	5,959.5	5,807.5	22.9	23.8	-20.61	385.6	1,201.5	308.3	262.3	45.96	6.707	
6,100.0	5,981.3	6,059.5	5,904.1	23.4	24.3	-20.26	389.6	1,227.1	309.4	262.4	46.96	6.589	
6,200.0	6,078.3	6,159.5	6,000.7	23.9	24.8	-19.92	393.7	1,252.6	310.5	262.6	47.96	6.475	
6,300.0	6,175.3	6,259.4	6,097.2	24.4	25.3	-19.58	397.7	1,278.2	311.7	262.7	48.96	6.367	
6,400.0	6,272.4	6,359.4	6,193.8	24.9	25.8	-19.24	401.8	1,303.7	312.9	262.9	49.96	6.262	
6,500.0	6,369.4	6,459.4	6,290.4	25.3	26.2	-18.90	405.8	1,329.3	314.0	263.1	50.97	6.162	
6,577.9	6,445.0	6,537.3	6,365.6	25.7	26.6	-18.64	409.0	1,349.2	314.9	263.2	51.74	6.087	
6,600.0	6,466.5	6,559.4	6,387.0	25.8	26.7	-18.56	409.9	1,354.9	315.3	263.3	51.96	6.068	
6,700.0	6,564.1	6,659.3	6,483.4	26.3	27.2	-18.11	413.9	1,380.4	318.9	265.9	53.00	6.016 SF	
6,800.0	6,662.4	6,758.9	6,579.7	26.8	27.7	-17.51	417.9	1,405.9	325.8	271.8	54.05	6.028	
6,900.0	6,761.2	6,858.3	6,675.7	27.2	28.2	-16.78	422.0	1,431.3	336.1	281.0	55.10	6.100	
7,000.0	6,860.6	6,957.2	6,771.2	27.7	28.7	-15.95	426.0	1,456.6	349.8	293.7	56.14	6.231	
7,100.0	6,960.3	7,055.5	6,866.2	28.0	29.2	-15.06	430.0	1,481.7	366.9	309.7	57.15	6.420	
7,200.0	7,060.2	7,153.2	6,960.5	28.4	29.6	-14.15	433.9	1,506.7	387.4	329.3	58.11	6.667	
7,277.9	7,138.1	7,234.2	7,038.8	28.5	30.1	64.61	437.1	1,527.1	405.5	346.8	58.76	6.901	
7,300.0	7,160.1	7,259.0	7,063.0	28.5	30.2	64.86	438.1	1,533.0	410.7	351.7	58.93	6.969	
7,400.0	7,260.1	7,372.8	7,174.0	28.5	30.8	65.79	441.9	1,557.4	431.6	372.0	59.61	7.242	
7,500.0	7,360.1	7,488.4	7,287.7	28.6	31.3	66.49	445.2	1,577.8	448.9	388.8	60.14	7.464	
7,600.0	7,460.1	7,605.5	7,403.7	28.6	31.8	66.99	447.7	1,593.8	462.3	401.8	60.55	7.635	
7,700.0	7,560.1	7,723.7	7,521.4	28.6	32.3	67.33	449.5	1,605.1	471.8	411.0	60.81	7.758	
7,800.0	7,660.1	7,842.7	7,640.2	28.7	32.7	67.52	450.6	1,611.7	477.2	416.3	60.91	7.835	
7,900.0	7,760.1	7,959.2	7,756.6	28.7	33.0	67.57	450.8	1,613.5	478.7	417.9	60.80	7.873	
8,000.0	7,860.1	8,059.2	7,856.6	28.7	33.0	67.57	450.8	1,613.5	478.7	417.8	60.85	7.866	
8,100.0	7,960.1	8,159.2	7,956.6	28.8	33.0	67.57	450.8	1,613.5	478.7	417.8	60.91	7.859	
8,200.0	8,060.1	8,259.2	8,056.6	28.8	33.0	67.57	450.8	1,613.5	478.7	417.7	60.96	7.852	
8,300.0	8,160.1	8,359.2	8,156.6	28.8	33.1	67.57	450.8	1,613.5	478.7	417.7	61.02	7.845	
8,400.0	8,260.1	8,459.2	8,256.6	28.8	33.1	67.57	450.8	1,613.5	478.7	417.6	61.07	7.838	
8,500.0	8,360.1	8,559.2	8,356.6	28.9	33.1	67.57	450.8	1,613.5	478.7	417.6	61.13	7.831	
8,600.0	8,460.1	8,659.2	8,456.6	28.9	33.1	67.57	450.8	1,613.5	478.7	417.5	61.19	7.823	
8,700.0	8,560.1	8,759.2	8,556.6	28.9	33.2	67.57	450.8	1,613.5	478.7	417.4	61.24	7.816	
8,800.0	8,660.1	8,859.2	8,656.6	29.0	33.2	67.57	450.8	1,613.5	478.7	417.4	61.30	7.809	
8,900.0	8,760.1	8,959.2	8,756.6	29.0	33.2	67.57	450.8	1,613.5	478.7	417.3	61.36	7.801	
9,000.0	8,860.1	9,059.2	8,856.6	29.0	33.2	67.57	450.8	1,613.5	478.7	417.3	61.42	7.794	
9,100.0	8,960.1	9,159.2	8,956.6	29.1	33.3	67.57	450.8	1,613.5	478.7	417.2	61.48	7.786	
9,200.0	9,060.1	9,259.2	9,056.6	29.1	33.3	67.57	450.8	1,613.5	478.7	417.1	61.54	7.779	
9,300.0	9,160.1	9,359.2	9,156.6	29.1	33.3	67.57	450.8	1,613.5	478.7	417.1	61.60	7.771	
9,400.0	9,260.1	9,459.2	9,256.6	29.2	33.3	67.57	450.8	1,613.5	478.7	417.0	61.66	7.764	
9,500.0	9,360.1	9,559.2	9,356.6	29.2	33.4	67.57	450.8	1,613.5	478.7	417.0	61.72	7.756	
9,600.0	9,460.1	9,659.2	9,456.6	29.2	33.4	67.57	450.8	1,613.5	478.7	416.9	61.78	7.749	
9,700.0	9,560.1	9,759.2	9,556.6	29.3	33.4	67.57	450.8	1,613.5	478.7	416.8	61.84	7.741	
9,800.0	9,660.1	9,859.2	9,656.6	29.3	33.4	67.57	450.8	1,613.5	478.7	416.8	61.90	7.733	
9,900.0	9,760.1	9,959.2	9,756.6	29.3	33.5	67.57	450.8	1,613.5	478.7	416.7	61.96	7.726	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	9,860.1	10,059.2	9,856.6	29.4	33.5	67.57	450.8	1,613.5	478.7	416.7	62.02	7.718	
10,100.0	9,960.1	10,159.2	9,956.6	29.4	33.5	67.57	450.8	1,613.5	478.7	416.6	62.09	7.710	
10,200.0	10,060.1	10,259.2	10,056.6	29.4	33.6	67.57	450.8	1,613.5	478.7	416.5	62.15	7.702	
10,300.0	10,160.1	10,359.2	10,156.6	29.5	33.6	67.57	450.8	1,613.5	478.7	416.5	62.21	7.694	
10,400.0	10,260.1	10,459.2	10,256.6	29.5	33.6	67.57	450.8	1,613.5	478.7	416.4	62.27	7.687	
10,500.0	10,360.1	10,559.2	10,356.6	29.5	33.6	67.57	450.8	1,613.5	478.7	416.3	62.34	7.679	
10,600.0	10,460.1	10,659.2	10,456.6	29.6	33.7	67.57	450.8	1,613.5	478.7	416.3	62.40	7.671	
10,700.0	10,560.1	10,759.2	10,556.6	29.6	33.7	67.57	450.8	1,613.5	478.7	416.2	62.47	7.663	
10,800.0	10,660.1	10,859.2	10,656.6	29.6	33.7	67.57	450.8	1,613.5	478.7	416.1	62.53	7.655	
10,900.0	10,760.1	10,959.2	10,756.6	29.7	33.8	67.57	450.8	1,613.5	478.7	416.1	62.60	7.647	
11,000.0	10,860.1	11,059.2	10,856.6	29.7	33.8	67.57	450.8	1,613.5	478.7	416.0	62.66	7.639	
11,100.0	10,960.1	11,159.2	10,956.6	29.8	33.8	67.57	450.8	1,613.5	478.7	416.0	62.73	7.631	
11,200.0	11,060.1	11,259.2	11,056.6	29.8	33.8	67.57	450.8	1,613.5	478.7	415.9	62.80	7.623	
11,273.9	11,134.0	11,333.1	11,130.5	29.8	33.9	67.57	450.8	1,613.5	478.7	415.8	62.84	7.618	
11,300.0	11,160.1	11,359.2	11,156.6	29.8	33.9	-112.10	450.8	1,613.5	478.9	416.1	62.85	7.620	
11,350.0	11,209.9	11,408.9	11,206.4	29.8	33.9	-112.44	450.8	1,613.5	480.6	417.8	62.82	7.651	
11,400.0	11,259.1	11,458.1	11,255.6	29.8	33.9	-113.07	450.8	1,613.5	484.0	421.3	62.72	7.717	
11,450.0	11,307.4	11,506.4	11,303.8	29.8	33.9	-113.94	450.8	1,613.5	489.4	426.8	62.56	7.823	
11,500.0	11,354.3	11,539.9	11,337.3	29.9	33.9	-114.50	451.7	1,613.5	497.5	434.9	62.59	7.949	
11,550.0	11,399.6	11,569.8	11,367.1	29.9	33.9	-114.96	454.1	1,613.7	509.4	446.8	62.51	8.149	
11,600.0	11,442.8	11,600.0	11,397.0	29.9	33.9	-115.41	458.1	1,613.8	525.2	463.0	62.21	8.443	
11,650.0	11,483.7	11,618.9	11,415.6	29.9	33.9	-114.85	461.4	1,614.0	545.1	483.2	61.93	8.803	
11,700.0	11,521.9	11,637.8	11,434.1	29.9	33.9	-113.94	465.3	1,614.1	569.2	507.7	61.45	9.263	
11,750.0	11,557.2	11,650.0	11,446.0	29.9	33.9	-111.96	468.2	1,614.3	597.1	536.1	60.92	9.801	
11,800.0	11,589.3	11,664.9	11,460.4	29.9	33.9	-109.69	472.0	1,614.4	628.4	568.2	60.21	10.436	
11,850.0	11,617.9	11,673.7	11,468.8	30.0	33.9	-106.12	474.4	1,614.5	662.8	603.3	59.52	11.136	
11,900.0	11,642.8	11,679.5	11,474.4	30.0	33.9	-101.48	476.1	1,614.6	699.8	641.0	58.81	11.899	
11,950.0	11,663.8	11,682.8	11,477.6	30.0	33.9	-95.73	477.1	1,614.7	738.8	680.7	58.10	12.715	
12,000.0	11,680.8	11,683.8	11,478.5	30.1	33.9	-88.98	477.4	1,614.7	779.2	721.8	57.40	13.574	
12,050.0	11,693.7	11,682.8	11,477.5	30.1	33.9	-81.46	477.1	1,614.7	820.7	764.0	56.73	14.467	
12,100.0	11,702.2	11,680.0	11,474.9	30.2	33.9	-73.55	476.2	1,614.6	862.7	806.6	56.08	15.385	
12,150.0	11,706.5	11,675.6	11,470.7	30.2	33.9	-65.72	475.0	1,614.6	904.9	849.4	55.45	16.318	
12,173.9	11,707.0	11,673.0	11,468.2	30.2	33.9	-62.13	474.2	1,614.5	925.0	869.8	55.16	16.769	
12,200.0	11,707.0	11,670.0	11,465.3	30.3	33.9	-61.84	473.4	1,614.5	947.0	892.1	54.85	17.264	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	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	-89.67	0.7	-119.9	120.0				
100.0	100.0	99.3	99.3	3.0	3.0	-89.67	0.7	-119.9	120.0	113.4	6.52	18.398	
200.0	200.0	199.3	199.3	3.2	3.2	-89.67	0.7	-119.9	120.0	113.2	6.76	17.746	
300.0	300.0	299.3	299.3	3.3	3.3	-89.67	0.7	-119.9	120.0	113.0	6.99	17.159	
400.0	400.0	399.3	399.3	3.4	3.4	-89.67	0.7	-119.9	120.0	112.7	7.21	16.628	
500.0	500.0	499.3	499.3	3.5	3.5	-89.67	0.7	-119.9	120.0	112.5	7.43	16.144	
600.0	600.0	599.3	599.3	3.7	3.7	-89.67	0.7	-119.9	120.0	112.3	7.64	15.701	
700.0	700.0	699.3	699.3	3.8	3.8	-89.67	0.7	-119.9	120.0	112.1	7.84	15.294	
800.0	800.0	799.3	799.3	3.9	3.9	-89.67	0.7	-119.9	120.0	111.9	8.04	14.917	
900.0	900.0	899.3	899.3	4.0	4.0	-89.67	0.7	-119.9	120.0	111.7	8.23	14.568	
1,000.0	1,000.0	999.3	999.3	4.2	4.2	-89.67	0.7	-119.9	120.0	111.5	8.42	14.242	
1,100.0	1,100.0	1,099.3	1,099.3	4.3	4.3	-89.67	0.7	-119.9	120.0	111.3	8.61	13.938	
1,200.0	1,200.0	1,199.3	1,199.3	4.4	4.4	-89.67	0.7	-119.9	120.0	111.2	8.79	13.653	
1,300.0	1,300.0	1,299.3	1,299.3	4.5	4.5	-89.67	0.7	-119.9	120.0	111.0	8.96	13.385	
1,400.0	1,400.0	1,399.3	1,399.3	4.6	4.6	-89.67	0.7	-119.9	120.0	110.8	9.13	13.132	
1,500.0	1,500.0	1,499.3	1,499.3	4.8	4.7	-89.67	0.7	-119.9	120.0	110.6	9.30	12.894 CC, ES	
1,600.0	1,600.0	1,596.0	1,595.9	4.9	4.9	-149.51	1.6	-121.3	122.4	112.9	9.56	12.801 SF	
1,700.0	1,699.9	1,692.2	1,692.1	5.0	5.1	-149.05	4.5	-125.2	129.9	119.9	9.98	13.011	
1,800.0	1,799.7	1,787.7	1,787.2	5.2	5.3	-148.39	9.2	-131.6	142.4	131.9	10.42	13.658	
1,900.0	1,899.3	1,883.5	1,882.4	5.4	5.5	-147.66	15.7	-140.5	159.6	148.8	10.77	14.816	
2,000.0	1,998.6	1,981.5	1,979.7	5.7	5.7	-147.33	22.7	-150.2	179.5	168.3	11.20	16.024	
2,033.3	2,031.6	2,014.1	2,012.0	5.7	5.8	-147.33	25.0	-153.4	186.7	175.3	11.32	16.486	
2,100.0	2,097.5	2,079.0	2,076.4	5.9	5.9	-152.73	29.7	-159.8	201.9	190.3	11.60	17.403	
2,200.0	2,196.0	2,175.6	2,172.3	6.2	6.2	-158.67	36.6	-169.3	227.6	215.5	12.14	18.751	
2,300.0	2,293.9	2,271.3	2,267.3	6.6	6.5	-162.88	43.4	-178.8	256.7	244.0	12.71	20.188	
2,375.5	2,367.5	2,342.9	2,338.3	6.8	6.7	-165.29	48.6	-185.8	280.8	267.7	13.12	21.397	
2,400.0	2,391.2	2,366.0	2,361.2	6.9	6.8	-165.26	50.2	-188.1	288.9	275.7	13.24	21.815	
2,500.0	2,488.2	2,460.3	2,454.9	7.2	7.0	-165.14	57.0	-197.4	322.1	308.3	13.82	23.302	
2,600.0	2,585.3	2,554.6	2,548.5	7.6	7.4	-165.05	63.7	-206.7	355.3	340.9	14.42	24.643	
2,700.0	2,682.3	2,649.0	2,642.1	7.9	7.7	-164.98	70.5	-216.0	388.5	373.4	15.03	25.844	
2,800.0	2,779.3	2,743.3	2,735.8	8.3	8.0	-164.91	77.2	-225.3	421.6	406.0	15.66	26.921	
2,900.0	2,876.3	2,837.6	2,829.4	8.7	8.3	-164.86	84.0	-234.6	454.8	438.5	16.31	27.887	
3,000.0	2,973.4	2,932.0	2,923.0	9.1	8.6	-164.81	90.8	-243.9	488.0	471.0	16.97	28.756	
3,100.0	3,070.4	3,026.3	3,016.7	9.5	9.0	-164.77	97.5	-253.2	521.2	503.5	17.64	29.540	
3,200.0	3,167.4	3,120.6	3,110.3	10.0	9.3	-164.73	104.3	-262.5	554.4	536.0	18.33	30.249	
3,300.0	3,264.5	3,215.0	3,203.9	10.4	9.7	-164.70	111.0	-271.8	587.5	568.5	19.02	30.890	
3,400.0	3,361.5	3,309.3	3,297.5	10.8	10.0	-164.67	117.8	-281.1	620.7	601.0	19.72	31.474	
3,500.0	3,458.5	3,403.6	3,391.2	11.3	10.4	-164.64	124.5	-290.4	653.9	633.5	20.43	32.005	
3,600.0	3,555.5	3,498.0	3,484.8	11.7	10.7	-164.62	131.3	-299.7	687.1	665.9	21.15	32.489	
3,700.0	3,652.6	3,592.3	3,578.4	12.1	11.1	-164.60	138.1	-309.0	720.3	698.4	21.87	32.933	
3,800.0	3,749.6	3,686.6	3,672.1	12.6	11.5	-164.58	144.8	-318.3	753.5	730.9	22.60	33.340	
3,900.0	3,846.6	3,781.0	3,765.7	13.0	11.8	-164.56	151.6	-327.6	786.6	763.3	23.33	33.714	
4,000.0	3,943.7	3,875.3	3,859.3	13.5	12.2	-164.55	158.3	-336.9	819.8	795.8	24.07	34.059	
4,100.0	4,040.7	3,969.6	3,953.0	14.0	12.6	-164.53	165.1	-346.2	853.0	828.2	24.81	34.378	
4,200.0	4,137.7	4,064.0	4,046.6	14.4	12.9	-164.52	171.8	-355.5	886.2	860.6	25.56	34.673	
4,300.0	4,234.8	4,158.3	4,140.2	14.9	13.3	-164.51	178.6	-364.8	919.4	893.1	26.31	34.946	
4,400.0	4,331.8	4,252.6	4,233.8	15.3	13.7	-164.49	185.4	-374.1	952.6	925.5	27.06	35.200	
4,500.0	4,428.8	4,347.0	4,327.5	15.8	14.0	-164.48	192.1	-383.4	985.7	957.9	27.82	35.437	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	-89.66	0.5	-90.0	90.1					
100.0	100.0	98.4	98.4	3.0	3.0	-89.66	0.5	-90.0	90.0	83.5	6.52	13.812		
200.0	200.0	198.4	198.4	3.2	3.2	-89.66	0.5	-90.0	90.0	83.3	6.76	13.324		
300.0	300.0	298.4	298.4	3.3	3.3	-89.66	0.5	-90.0	90.0	83.1	6.99	12.882		
400.0	400.0	398.4	398.4	3.4	3.4	-89.66	0.5	-90.0	90.0	82.8	7.21	12.483		
500.0	500.0	498.4	498.4	3.5	3.5	-89.66	0.5	-90.0	90.0	82.6	7.43	12.120		
600.0	600.0	598.4	598.4	3.7	3.7	-89.66	0.5	-90.0	90.0	82.4	7.64	11.788		
700.0	700.0	698.4	698.4	3.8	3.8	-89.66	0.5	-90.0	90.0	82.2	7.84	11.482		
800.0	800.0	798.4	798.4	3.9	3.9	-89.66	0.5	-90.0	90.0	82.0	8.04	11.199		
900.0	900.0	898.4	898.4	4.0	4.0	-89.66	0.5	-90.0	90.0	81.8	8.23	10.936		
1,000.0	1,000.0	998.4	998.4	4.2	4.2	-89.66	0.5	-90.0	90.0	81.6	8.42	10.692		
1,100.0	1,100.0	1,098.4	1,098.4	4.3	4.3	-89.66	0.5	-90.0	90.0	81.4	8.61	10.463		
1,200.0	1,200.0	1,198.4	1,198.4	4.4	4.4	-89.66	0.5	-90.0	90.0	81.3	8.79	10.249		
1,300.0	1,300.0	1,298.4	1,298.4	4.5	4.5	-89.66	0.5	-90.0	90.0	81.1	8.96	10.048		
1,400.0	1,400.0	1,398.4	1,398.4	4.6	4.6	-89.66	0.5	-90.0	90.0	80.9	9.13	9.858		
1,500.0	1,500.0	1,498.4	1,498.4	4.8	4.7	-89.66	0.5	-90.0	90.0	80.7	9.30	9.679 CC, ES		
1,600.0	1,600.0	1,598.2	1,598.2	4.9	4.9	-149.01	2.2	-90.1	91.3	81.8	9.50	9.608 SF		
1,700.0	1,699.9	1,697.9	1,697.7	5.0	5.2	-147.10	7.4	-90.3	95.0	85.1	9.85	9.637		
1,800.0	1,799.7	1,797.1	1,796.6	5.2	5.5	-144.20	15.9	-90.7	101.4	91.1	10.22	9.920		
1,900.0	1,899.3	1,895.9	1,894.6	5.4	5.8	-140.72	27.8	-91.1	110.7	100.1	10.59	10.448		
2,000.0	1,998.6	1,995.0	1,992.7	5.7	6.0	-137.70	41.6	-91.7	122.7	111.7	10.97	11.181		
2,033.3	2,031.6	2,028.0	2,025.4	5.7	6.1	-136.98	46.2	-91.9	127.2	116.1	11.06	11.495		
2,100.0	2,097.5	2,093.8	2,090.6	5.9	6.3	-141.14	55.3	-92.2	137.2	125.9	11.29	12.154		
2,200.0	2,196.0	2,192.1	2,188.0	6.2	6.5	-145.69	69.0	-92.8	155.1	143.4	11.72	13.230		
2,300.0	2,293.9	2,289.8	2,284.7	6.6	6.8	-149.00	82.6	-93.3	176.5	164.3	12.19	14.480		
2,375.5	2,367.5	2,363.1	2,357.3	6.8	7.0	-150.97	92.8	-93.7	194.9	182.3	12.51	15.577		
2,400.0	2,391.2	2,386.7	2,380.7	6.9	7.1	-150.87	96.1	-93.9	201.1	188.5	12.60	15.961		
2,500.0	2,488.2	2,483.3	2,476.4	7.2	7.4	-150.51	109.5	-94.4	226.7	213.7	13.07	17.352		
2,600.0	2,585.3	2,580.0	2,572.1	7.6	7.7	-150.22	122.9	-95.0	252.4	238.8	13.54	18.635		
2,700.0	2,682.3	2,676.7	2,667.8	7.9	8.0	-149.99	136.4	-95.5	278.0	264.0	14.03	19.810		
2,800.0	2,779.3	2,773.3	2,763.5	8.3	8.4	-149.79	149.8	-96.0	303.6	289.1	14.54	20.885		
2,900.0	2,876.3	2,870.0	2,859.2	8.7	8.7	-149.63	163.3	-96.6	329.3	314.2	15.06	21.870		
3,000.0	2,973.4	2,966.6	2,954.9	9.1	9.1	-149.49	176.7	-97.1	354.9	339.3	15.59	22.773		
3,100.0	3,070.4	3,063.3	3,050.6	9.5	9.4	-149.36	190.2	-97.7	380.6	364.5	16.13	23.601		
3,200.0	3,167.4	3,159.9	3,146.4	10.0	9.8	-149.26	203.6	-98.2	406.2	389.6	16.67	24.363		
3,300.0	3,264.5	3,256.6	3,242.1	10.4	10.1	-149.16	217.0	-98.7	431.9	414.6	17.23	25.064		
3,400.0	3,361.5	3,353.2	3,337.8	10.8	10.5	-149.08	230.5	-99.3	457.5	439.7	17.78	25.738		
3,500.0	3,458.5	3,452.4	3,436.1	11.3	10.8	-149.08	243.6	-99.8	483.0	464.6	18.34	26.340		
3,600.0	3,555.5	3,552.3	3,535.3	11.7	11.2	-149.27	255.1	-100.3	507.8	488.9	18.93	26.826		
3,700.0	3,652.6	3,652.3	3,634.8	12.1	11.6	-149.62	265.0	-100.7	532.1	512.6	19.53	27.246		
3,800.0	3,749.6	3,752.5	3,734.7	12.6	11.9	-150.11	273.0	-101.0	555.8	535.7	20.13	27.605		
3,900.0	3,846.6	3,852.9	3,834.9	13.0	12.3	-150.74	279.4	-101.2	579.0	558.3	20.75	27.912		
4,000.0	3,943.7	3,953.3	3,935.1	13.5	12.6	-151.47	284.0	-101.4	601.8	580.4	21.36	28.172		
4,100.0	4,040.7	4,053.6	4,035.5	14.0	12.9	-152.31	286.8	-101.5	624.1	602.1	21.98	28.391		
4,200.0	4,137.7	4,153.9	4,135.7	14.4	13.1	-153.24	287.9	-101.6	646.1	623.5	22.59	28.599		
4,300.0	4,234.8	4,251.3	4,233.1	14.9	13.1	-154.18	287.9	-101.6	667.9	644.7	23.18	28.811		
4,400.0	4,331.8	4,348.3	4,330.2	15.3	13.2	-155.05	287.9	-101.6	689.9	666.1	23.80	28.986		
4,500.0	4,428.8	4,445.4	4,427.2	15.8	13.3	-155.86	287.9	-101.6	712.0	687.5	24.43	29.147		
4,600.0	4,525.8	4,542.4	4,524.2	16.3	13.3	-156.63	287.9	-101.6	734.2	709.2	25.06	29.297		
4,700.0	4,622.9	4,639.4	4,621.3	16.7	13.4	-157.36	287.9	-101.6	756.6	730.9	25.70	29.436		
4,800.0	4,719.9	4,736.4	4,718.3	17.2	13.5	-158.04	287.9	-101.6	779.1	752.7	26.35	29.567		
4,900.0	4,816.9	4,833.5	4,815.3	17.7	13.5	-158.68	287.9	-101.6	801.6	774.6	27.00	29.689		

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,000.0	4,914.0	4,930.5	4,912.3	18.2	13.6	-159.29	287.9	-101.6	824.3	796.7	27.66	29.804		
5,100.0	5,011.0	5,027.5	5,009.4	18.6	13.7	-159.87	287.9	-101.6	847.1	818.7	28.32	29.913		
5,200.0	5,108.0	5,124.6	5,106.4	19.1	13.7	-160.41	287.9	-101.6	869.9	840.9	28.98	30.016		
5,300.0	5,205.1	5,221.6	5,203.4	19.6	13.8	-160.93	287.9	-101.6	892.8	863.2	29.65	30.114		
5,400.0	5,302.1	5,318.6	5,300.5	20.1	13.9	-161.43	287.9	-101.6	915.8	885.5	30.32	30.208		
5,500.0	5,399.1	5,415.6	5,397.5	20.5	13.9	-161.89	287.9	-101.6	938.8	907.8	30.99	30.297		
5,600.0	5,496.1	5,512.7	5,494.5	21.0	14.0	-162.34	287.9	-101.6	961.9	930.2	31.66	30.382		
5,700.0	5,593.2	5,609.7	5,591.5	21.5	14.1	-162.77	287.9	-101.6	985.0	952.7	32.33	30.463		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	0.3	-59.9	59.9				
100.0	100.0	98.1	98.1	3.0	3.0	-89.67	0.3	-59.9	59.9	53.4	6.52	9.189	
200.0	200.0	198.1	198.1	3.2	3.2	-89.67	0.3	-59.9	59.9	53.1	6.76	8.864	
300.0	300.0	298.1	298.1	3.3	3.3	-89.67	0.3	-59.9	59.9	52.9	6.99	8.571	
400.0	400.0	398.1	398.1	3.4	3.4	-89.67	0.3	-59.9	59.9	52.7	7.21	8.305	
500.0	500.0	498.1	498.1	3.5	3.5	-89.67	0.3	-59.9	59.9	52.5	7.43	8.063	
600.0	600.0	598.1	598.1	3.7	3.7	-89.67	0.3	-59.9	59.9	52.3	7.64	7.842	
700.0	700.0	698.1	698.1	3.8	3.8	-89.67	0.3	-59.9	59.9	52.1	7.84	7.639	
800.0	800.0	798.1	798.1	3.9	3.9	-89.67	0.3	-59.9	59.9	51.9	8.04	7.450	
900.0	900.0	898.1	898.1	4.0	4.0	-89.67	0.3	-59.9	59.9	51.7	8.23	7.276	
1,000.0	1,000.0	998.1	998.1	4.2	4.2	-89.67	0.3	-59.9	59.9	51.5	8.42	7.113	
1,100.0	1,100.0	1,098.1	1,098.1	4.3	4.3	-89.67	0.3	-59.9	59.9	51.3	8.61	6.961	
1,200.0	1,200.0	1,198.1	1,198.1	4.4	4.4	-89.67	0.3	-59.9	59.9	51.1	8.78	6.819	
1,300.0	1,300.0	1,298.1	1,298.1	4.5	4.5	-89.67	0.3	-59.9	59.9	50.9	8.96	6.685	
1,400.0	1,400.0	1,398.1	1,398.1	4.6	4.6	-89.67	0.3	-59.9	59.9	50.8	9.13	6.559	
1,500.0	1,500.0	1,498.1	1,498.1	4.8	4.7	-89.67	0.3	-59.9	59.9	50.6	9.30	6.439 CC, ES	
1,600.0	1,600.0	1,598.9	1,598.9	4.9	4.9	-149.24	1.5	-59.3	60.4	50.9	9.51	6.353	
1,700.0	1,699.9	1,699.6	1,699.5	5.0	5.1	-147.92	4.9	-57.3	61.9	52.0	9.88	6.266	
1,800.0	1,799.7	1,800.3	1,800.0	5.2	5.3	-145.83	10.6	-54.0	64.4	54.2	10.25	6.284	
1,900.0	1,899.3	1,900.9	1,900.2	5.4	5.5	-143.16	18.6	-49.4	68.1	57.4	10.62	6.406	
2,000.0	1,998.6	2,001.4	2,000.0	5.7	5.8	-140.12	28.8	-43.5	72.9	61.9	11.00	6.631	
2,033.3	2,031.6	2,034.9	2,033.2	5.7	5.8	-139.06	32.7	-41.2	74.8	63.8	11.05	6.773	
2,100.0	2,097.5	2,102.9	2,100.5	5.9	6.0	-142.68	40.3	-35.9	78.9	67.7	11.23	7.026	
2,200.0	2,196.0	2,205.1	2,201.8	6.2	6.3	-147.66	49.5	-25.8	85.6	73.9	11.72	7.303	
2,300.0	2,293.9	2,306.4	2,302.1	6.6	6.5	-152.45	56.2	-13.6	93.0	80.9	12.18	7.636	
2,375.5	2,367.5	2,381.6	2,376.6	6.8	6.7	-155.50	60.7	-4.2	100.6	88.0	12.57	7.998	
2,400.0	2,391.2	2,405.9	2,400.6	6.9	6.7	-155.70	62.2	-1.2	103.3	90.6	12.69	8.144	
2,500.0	2,488.2	2,505.2	2,499.0	7.2	7.0	-156.40	68.3	11.3	114.6	101.3	13.27	8.638	
2,600.0	2,585.3	2,604.6	2,597.4	7.6	7.3	-156.97	74.3	23.7	125.9	112.0	13.87	9.078	
2,700.0	2,682.3	2,703.9	2,695.8	7.9	7.7	-157.45	80.4	36.1	137.2	122.7	14.50	9.464	
2,800.0	2,779.3	2,803.3	2,794.2	8.3	8.0	-157.85	86.5	48.5	148.5	133.4	15.15	9.803	
2,900.0	2,876.3	2,902.6	2,892.6	8.7	8.3	-158.20	92.5	61.0	159.9	144.0	15.83	10.102	
3,000.0	2,973.4	3,002.0	2,990.9	9.1	8.7	-158.51	98.6	73.4	171.2	154.7	16.52	10.365	
3,100.0	3,070.4	3,101.3	3,089.3	9.5	9.0	-158.77	104.7	85.8	182.5	165.3	17.22	10.598	
3,200.0	3,167.4	3,200.7	3,187.7	10.0	9.4	-159.00	110.7	98.2	193.9	175.9	17.94	10.804	
3,300.0	3,264.5	3,300.0	3,286.1	10.4	9.8	-159.21	116.8	110.7	205.2	186.5	18.68	10.988	
3,400.0	3,361.5	3,399.4	3,384.5	10.8	10.1	-159.40	122.8	123.1	216.6	197.1	19.42	11.152	
3,500.0	3,458.5	3,498.7	3,482.9	11.3	10.5	-159.57	128.9	135.5	227.9	207.7	20.17	11.299	
3,600.0	3,555.5	3,598.1	3,581.3	11.7	10.9	-159.72	135.0	148.0	239.2	218.3	20.93	11.431	
3,700.0	3,652.6	3,697.4	3,679.6	12.1	11.3	-159.86	141.0	160.4	250.6	228.9	21.70	11.550	
3,800.0	3,749.6	3,796.8	3,778.0	12.6	11.7	-159.98	147.1	172.8	261.9	239.5	22.47	11.657	
3,900.0	3,846.6	3,896.1	3,876.4	13.0	12.1	-160.10	153.1	185.2	273.3	250.0	23.25	11.754	
4,000.0	3,943.7	3,995.5	3,974.8	13.5	12.5	-160.21	159.2	197.7	284.6	260.6	24.04	11.842	
4,100.0	4,040.7	4,094.8	4,073.2	14.0	12.9	-160.30	165.3	210.1	296.0	271.2	24.83	11.923	
4,200.0	4,137.7	4,194.2	4,171.6	14.4	13.3	-160.39	171.3	222.5	307.4	281.7	25.62	11.996	
4,300.0	4,234.8	4,293.6	4,270.0	14.9	13.7	-160.48	177.4	235.0	318.7	292.3	26.42	12.063	
4,400.0	4,331.8	4,392.9	4,368.3	15.3	14.1	-160.56	183.5	247.4	330.1	302.8	27.22	12.125	
4,500.0	4,428.8	4,492.3	4,466.7	15.8	14.5	-160.63	189.5	259.8	341.4	313.4	28.03	12.182	
4,600.0	4,525.8	4,591.6	4,565.1	16.3	14.9	-160.70	195.6	272.2	352.8	323.9	28.84	12.234	
4,700.0	4,622.9	4,691.0	4,663.5	16.7	15.3	-160.76	201.6	284.7	364.1	334.5	29.65	12.283	
4,800.0	4,719.9	4,790.3	4,761.9	17.2	15.7	-160.83	207.7	297.1	375.5	345.0	30.46	12.328	
4,900.0	4,816.9	4,880.2	4,851.0	17.7	16.2	-160.98	212.6	307.2	388.0	356.7	31.31	12.392	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	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)	Minimum Separation (usft)	Separation Factor		
5,000.0	4,914.0	4,968.7	4,939.1	18.2	16.5	-161.33	216.3	314.8	403.1	371.0	32.10	12.556		
5,100.0	5,011.0	5,056.3	5,026.6	18.6	16.9	-161.85	218.8	319.8	420.8	387.9	32.86	12.804		
5,200.0	5,108.0	5,143.0	5,113.2	19.1	17.1	-162.52	220.1	322.5	441.0	407.5	33.56	13.143		
5,300.0	5,205.1	5,233.0	5,203.2	19.6	17.3	-163.32	220.3	322.9	463.7	429.5	34.24	13.544		
5,400.0	5,302.1	5,330.0	5,300.2	20.1	17.4	-164.13	220.3	322.9	487.0	452.0	34.98	13.921		
5,500.0	5,399.1	5,427.0	5,397.2	20.5	17.4	-164.87	220.3	322.9	510.4	474.7	35.66	14.313		
5,600.0	5,496.1	5,524.0	5,494.3	21.0	17.5	-165.55	220.3	322.9	533.8	497.5	36.32	14.696		
5,700.0	5,593.2	5,621.1	5,591.3	21.5	17.5	-166.17	220.3	322.9	557.3	520.3	36.98	15.069		
5,800.0	5,690.2	5,718.1	5,688.3	22.0	17.6	-166.74	220.3	322.9	580.9	543.2	37.64	15.432		
5,900.0	5,787.2	5,815.1	5,785.3	22.4	17.6	-167.26	220.3	322.9	604.5	566.2	38.29	15.786		
6,000.0	5,884.3	5,912.2	5,882.4	22.9	17.7	-167.75	220.3	322.9	628.1	589.2	38.94	16.130		
6,100.0	5,981.3	6,009.2	5,979.4	23.4	17.7	-168.20	220.3	322.9	651.8	612.2	39.59	16.465		
6,200.0	6,078.3	6,106.2	6,076.4	23.9	17.8	-168.62	220.3	322.9	675.5	635.3	40.23	16.790		
6,300.0	6,175.3	6,203.3	6,173.5	24.4	17.8	-169.01	220.3	322.9	699.3	658.4	40.88	17.107		
6,400.0	6,272.4	6,300.3	6,270.5	24.9	17.9	-169.38	220.3	322.9	723.1	681.6	41.52	17.415		
6,500.0	6,369.4	6,397.3	6,367.5	25.3	17.9	-169.72	220.3	322.9	746.9	704.7	42.16	17.715		
6,577.9	6,445.0	6,472.9	6,443.1	25.7	17.9	-169.97	220.3	322.9	765.5	722.8	42.66	17.945		
6,600.0	6,466.5	6,494.4	6,464.6	25.8	18.0	-170.06	220.3	322.9	770.7	727.9	42.79	18.009		
6,700.0	6,564.1	6,592.0	6,562.2	26.3	18.0	-170.40	220.3	322.9	792.1	748.7	43.44	18.233		
6,800.0	6,662.4	6,690.3	6,660.5	26.8	18.1	-170.68	220.3	322.9	810.2	766.1	44.06	18.387		
6,900.0	6,761.2	6,789.1	6,759.4	27.2	18.1	-170.89	220.3	322.9	824.9	780.2	44.66	18.472		
7,000.0	6,860.6	6,888.5	6,858.7	27.7	18.2	-171.05	220.3	322.9	836.2	790.9	45.22	18.493		
7,100.0	6,960.3	6,988.2	6,958.4	28.0	18.2	-171.16	220.3	322.9	844.0	798.3	45.73	18.456		
7,200.0	7,060.2	7,088.1	7,058.3	28.4	18.3	-171.22	220.3	322.9	848.4	802.2	46.18	18.371		
7,277.9	7,138.1	7,166.0	7,136.2	28.5	18.3	-93.23	220.3	322.9	849.5	803.1	46.36	18.324		
7,300.0	7,160.1	7,188.1	7,158.3	28.5	18.3	-93.23	220.3	322.9	849.5	803.1	46.37	18.319		
7,400.0	7,260.1	7,288.1	7,258.3	28.5	18.4	-93.23	220.3	322.9	849.5	803.0	46.45	18.288		
7,500.0	7,360.1	7,388.1	7,358.3	28.6	18.4	-93.23	220.3	322.9	849.5	802.9	46.53	18.258		
7,600.0	7,460.1	7,488.1	7,458.3	28.6	18.5	-93.23	220.3	322.9	849.5	802.9	46.60	18.228		
7,700.0	7,560.1	7,588.1	7,558.3	28.6	18.5	-93.23	220.3	322.9	849.5	802.8	46.68	18.197		
7,800.0	7,660.1	7,688.1	7,658.3	28.7	18.6	-93.23	220.3	322.9	849.5	802.7	46.76	18.167		
7,900.0	7,760.1	7,788.1	7,758.3	28.7	18.7	-93.23	220.3	322.9	849.5	802.6	46.84	18.137		
8,000.0	7,860.1	7,888.1	7,858.3	28.7	18.7	-93.23	220.3	322.9	849.5	802.6	46.92	18.107		
8,100.0	7,960.1	7,988.1	7,958.3	28.8	18.8	-93.23	220.3	322.9	849.5	802.5	46.99	18.076		
8,200.0	8,060.1	8,088.1	8,058.3	28.8	18.8	-93.23	220.3	322.9	849.5	802.4	47.07	18.046		
8,300.0	8,160.1	8,188.1	8,158.3	28.8	18.9	-93.23	220.3	322.9	849.5	802.3	47.15	18.015		
8,400.0	8,260.1	8,288.1	8,258.3	28.8	18.9	-93.23	220.3	322.9	849.5	802.2	47.23	17.985		
8,500.0	8,360.1	8,388.1	8,358.3	28.9	19.0	-93.23	220.3	322.9	849.5	802.2	47.31	17.954		
8,600.0	8,460.1	8,488.1	8,458.3	28.9	19.0	-93.23	220.3	322.9	849.5	802.1	47.40	17.923		
8,700.0	8,560.1	8,588.1	8,558.3	28.9	19.1	-93.23	220.3	322.9	849.5	802.0	47.48	17.892		
8,800.0	8,660.1	8,688.1	8,658.3	29.0	19.2	-93.23	220.3	322.9	849.5	801.9	47.56	17.862		
8,900.0	8,760.1	8,788.1	8,758.3	29.0	19.2	-93.23	220.3	322.9	849.5	801.8	47.64	17.831		
9,000.0	8,860.1	8,888.1	8,858.3	29.0	19.3	-93.23	220.3	322.9	849.5	801.7	47.72	17.800		
9,100.0	8,960.1	8,988.1	8,958.3	29.1	19.3	-93.23	220.3	322.9	849.5	801.7	47.81	17.769		
9,200.0	9,060.1	9,088.1	9,058.3	29.1	19.4	-93.23	220.3	322.9	849.5	801.6	47.89	17.738		
9,300.0	9,160.1	9,188.1	9,158.3	29.1	19.4	-93.23	220.3	322.9	849.5	801.5	47.97	17.707		
9,400.0	9,260.1	9,288.1	9,258.3	29.2	19.5	-93.23	220.3	322.9	849.5	801.4	48.06	17.676		
9,500.0	9,360.1	9,388.1	9,358.3	29.2	19.6	-93.23	220.3	322.9	849.5	801.3	48.14	17.645		
9,600.0	9,460.1	9,488.1	9,458.3	29.2	19.6	-93.23	220.3	322.9	849.5	801.2	48.23	17.614		
9,700.0	9,560.1	9,588.1	9,558.3	29.3	19.7	-93.23	220.3	322.9	849.5	801.2	48.31	17.583		
9,800.0	9,660.1	9,688.1	9,658.3	29.3	19.7	-93.23	220.3	322.9	849.5	801.1	48.40	17.551		
9,900.0	9,760.1	9,788.1	9,758.3	29.3	19.8	-93.23	220.3	322.9	849.5	801.0	48.49	17.520		

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,000.0	9,860.1	9,888.1	9,858.3	29.4	19.8	-93.23	220.3	322.9	849.5	800.9	48.57	17.489	
10,100.0	9,960.1	9,988.1	9,958.3	29.4	19.9	-93.23	220.3	322.9	849.5	800.8	48.66	17.458	
10,200.0	10,060.1	10,088.1	10,058.3	29.4	20.0	-93.23	220.3	322.9	849.5	800.7	48.75	17.426	
10,300.0	10,160.1	10,188.1	10,158.3	29.5	20.0	-93.23	220.3	322.9	849.5	800.6	48.83	17.395	
10,400.0	10,260.1	10,288.1	10,258.3	29.5	20.1	-93.23	220.3	322.9	849.5	800.5	48.92	17.364	
10,500.0	10,360.1	10,388.1	10,358.3	29.5	20.1	-93.23	220.3	322.9	849.5	800.5	49.01	17.332	
10,600.0	10,460.1	10,488.1	10,458.3	29.6	20.2	-93.23	220.3	322.9	849.5	800.4	49.10	17.301	
10,700.0	10,560.1	10,588.1	10,558.3	29.6	20.3	-93.23	220.3	322.9	849.5	800.3	49.19	17.270	
10,800.0	10,660.1	10,688.1	10,658.3	29.6	20.3	-93.23	220.3	322.9	849.5	800.2	49.28	17.238	
10,900.0	10,760.1	10,788.1	10,758.3	29.7	20.4	-93.23	220.3	322.9	849.5	800.1	49.37	17.207	
11,000.0	10,860.1	10,888.1	10,858.3	29.7	20.4	-93.23	220.3	322.9	849.5	800.0	49.46	17.176	
11,100.0	10,960.1	10,988.1	10,958.3	29.8	20.5	-93.23	220.3	322.9	849.5	799.9	49.55	17.144	
11,200.0	11,060.1	11,088.1	11,058.3	29.8	20.6	-93.23	220.3	322.9	849.5	799.8	49.64	17.113	
11,249.2	11,109.4	11,137.3	11,107.5	29.8	20.6	-93.23	220.3	322.9	849.5	799.8	49.67	17.101	
11,273.9	11,134.0	11,161.8	11,132.0	29.8	20.6	-93.23	220.3	322.9	849.5	799.8	49.69	17.095	
11,300.0	11,160.1	11,186.2	11,156.4	29.8	20.6	-87.14	219.8	322.9	849.5	799.8	49.69	17.097	
11,350.0	11,209.9	11,232.8	11,202.8	29.8	20.6	87.16	215.9	323.0	849.5	799.8	49.66	17.104	
11,400.0	11,259.1	11,279.4	11,248.8	29.8	20.7	87.20	208.3	323.0	849.4	799.8	49.64	17.113	
11,450.0	11,307.4	11,326.1	11,294.0	29.8	20.7	87.26	196.9	323.1	849.4	799.8	49.60	17.123	
11,500.0	11,354.3	11,372.8	11,338.3	29.9	20.7	87.34	181.9	323.2	849.3	799.8	49.57	17.134	
11,550.0	11,399.6	11,419.6	11,381.2	29.9	20.7	87.44	163.3	323.3	849.3	799.7	49.53	17.145	
11,600.0	11,442.8	11,466.5	11,422.6	29.9	20.8	87.56	141.2	323.4	849.2	799.7	49.50	17.156	
11,650.0	11,483.7	11,513.6	11,462.1	29.9	20.8	87.69	115.7	323.6	849.1	799.6	49.46	17.166	
11,700.0	11,521.9	11,560.8	11,499.6	29.9	20.8	87.84	86.9	323.8	849.0	799.6	49.44	17.174	
11,750.0	11,557.2	11,608.2	11,534.6	29.9	20.9	88.01	55.0	324.0	848.9	799.5	49.42	17.179	
11,800.0	11,589.3	11,655.8	11,567.1	29.9	20.9	88.19	20.2	324.2	848.8	799.4	49.40	17.181	
11,850.0	11,617.9	11,703.6	11,596.6	30.0	20.9	88.39	-17.3	324.5	848.7	799.3	49.41	17.179	
11,900.0	11,642.8	11,751.7	11,623.1	30.0	21.0	88.60	-57.4	324.7	848.7	799.2	49.42	17.172	
11,950.0	11,663.8	11,800.0	11,646.2	30.0	21.0	88.82	-99.8	325.0	848.6	799.1	49.45	17.159	
12,000.0	11,680.8	11,848.5	11,665.7	30.1	21.1	89.05	-144.2	325.3	848.5	799.0	49.50	17.142	
12,050.0	11,693.7	11,897.3	11,681.5	30.1	21.1	89.28	-190.4	325.6	848.5	798.9	49.57	17.117	
12,100.0	11,702.2	11,946.4	11,693.4	30.2	21.2	89.52	-238.0	325.9	848.4	798.8	49.65	17.086	
12,150.0	11,706.5	11,995.8	11,701.2	30.2	21.2	89.77	-286.8	326.2	848.4	798.6	49.76	17.049	
12,173.9	11,707.0	12,019.5	11,703.4	30.2	21.3	89.89	-310.4	326.4	848.4	798.6	49.82	17.030	
12,200.0	11,707.0	12,045.6	11,704.8	30.3	21.3	89.98	-336.4	326.5	848.4	798.5	49.88	17.008	
12,300.0	11,707.0	12,145.6	11,705.0	30.4	21.4	89.99	-436.4	327.2	848.4	798.2	50.14	16.921	
12,400.0	11,707.0	12,245.6	11,705.0	30.6	21.6	89.99	-536.4	327.8	848.4	797.9	50.44	16.819	
12,500.0	11,707.0	12,345.6	11,705.0	30.7	21.7	89.99	-636.4	328.5	848.4	797.6	50.79	16.705	
12,600.0	11,707.0	12,445.6	11,705.0	30.9	21.9	89.99	-736.4	329.1	848.4	797.2	51.17	16.578	
12,700.0	11,707.0	12,545.6	11,705.0	31.1	22.1	89.99	-836.4	329.8	848.4	796.8	51.60	16.440	
12,800.0	11,707.0	12,645.6	11,705.0	31.3	22.4	89.99	-936.4	330.4	848.4	796.3	52.07	16.291	
12,900.0	11,707.0	12,745.6	11,705.0	31.6	22.6	89.99	-1,036.4	331.1	848.4	795.8	52.58	16.134	
13,000.0	11,707.0	12,845.6	11,705.0	31.8	22.9	89.99	-1,136.4	331.8	848.4	795.2	53.13	15.967	
13,100.0	11,707.0	12,945.6	11,705.0	32.1	23.2	89.99	-1,236.4	332.4	848.3	794.6	53.72	15.793	
13,200.0	11,707.0	13,045.6	11,705.0	32.3	23.5	89.99	-1,336.4	333.1	848.3	794.0	54.34	15.613	
13,300.0	11,707.0	13,145.6	11,705.0	32.6	23.8	89.99	-1,436.4	333.7	848.3	793.3	54.99	15.427	
13,400.0	11,707.0	13,245.6	11,705.0	32.9	24.2	89.99	-1,536.4	334.4	848.3	792.7	55.68	15.236	
13,500.0	11,707.0	13,345.6	11,705.0	33.3	24.6	89.99	-1,636.4	335.0	848.3	791.9	56.40	15.041	
13,600.0	11,707.0	13,445.6	11,705.0	33.6	25.0	89.99	-1,736.4	335.7	848.3	791.2	57.15	14.843	
13,700.0	11,707.0	13,545.6	11,705.0	33.9	25.4	89.99	-1,836.3	336.3	848.3	790.4	57.93	14.643	
13,800.0	11,707.0	13,645.6	11,705.0	34.3	25.8	89.99	-1,936.3	337.0	848.3	789.6	58.74	14.441	
13,900.0	11,707.0	13,745.6	11,705.0	34.7	26.3	89.99	-2,036.3	337.6	848.3	788.7	59.58	14.238	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		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	
14,000.0	11,707.0	13,845.6	11,705.0	35.0	26.7	89.99	-2,136.3	338.3	848.3	787.9	60.44	14.035	
14,100.0	11,707.0	13,945.6	11,705.0	35.4	27.2	89.99	-2,236.3	338.9	848.3	787.0	61.33	13.832	
14,200.0	11,707.0	14,045.6	11,705.0	35.8	27.7	89.99	-2,336.3	339.6	848.3	786.1	62.24	13.629	
14,300.0	11,707.0	14,145.6	11,705.0	36.3	28.2	89.99	-2,436.3	340.2	848.3	785.1	63.18	13.427	
14,400.0	11,707.0	14,245.6	11,705.0	36.7	28.7	89.99	-2,536.3	340.9	848.3	784.2	64.14	13.227	
14,500.0	11,707.0	14,345.6	11,705.0	37.1	29.3	89.99	-2,636.3	341.5	848.3	783.2	65.11	13.028	
14,600.0	11,707.0	14,445.6	11,705.0	37.6	29.8	89.99	-2,736.3	342.2	848.3	782.2	66.11	12.831	
14,700.0	11,707.0	14,545.6	11,705.0	38.0	30.4	89.99	-2,836.3	342.8	848.3	781.2	67.13	12.637	
14,800.0	11,707.0	14,645.6	11,705.0	38.5	30.9	89.99	-2,936.3	343.5	848.3	780.1	68.16	12.445	
14,900.0	11,707.0	14,745.6	11,705.0	39.0	31.5	89.99	-3,036.3	344.1	848.3	779.1	69.22	12.255	
15,000.0	11,707.0	14,845.6	11,705.0	39.4	32.1	89.99	-3,136.3	344.8	848.3	778.0	70.29	12.069	
15,100.0	11,707.0	14,945.6	11,705.0	39.9	32.7	89.99	-3,236.3	345.4	848.3	776.9	71.37	11.885	
15,200.0	11,707.0	15,045.6	11,705.0	40.4	33.3	89.99	-3,336.3	346.1	848.3	775.8	72.47	11.705	
15,300.0	11,707.0	15,145.6	11,705.0	40.9	33.9	89.99	-3,436.3	346.7	848.3	774.7	73.59	11.527	
15,400.0	11,707.0	15,245.6	11,705.0	41.5	34.5	89.99	-3,536.3	347.4	848.3	773.5	74.72	11.353	
15,500.0	11,707.0	15,345.6	11,705.0	42.0	35.1	89.99	-3,636.3	348.0	848.2	772.4	75.86	11.182	
15,600.0	11,707.0	15,445.6	11,705.0	42.5	35.7	89.99	-3,736.3	348.7	848.2	771.2	77.01	11.014	
15,700.0	11,707.0	15,545.6	11,705.0	43.0	36.4	89.99	-3,836.3	349.3	848.2	770.1	78.18	10.850	
15,800.0	11,707.0	15,645.6	11,705.0	43.6	37.0	89.99	-3,936.3	350.0	848.2	768.9	79.36	10.689	
15,900.0	11,707.0	15,745.6	11,705.0	44.1	37.6	89.99	-4,036.3	350.6	848.2	767.7	80.55	10.531	
16,000.0	11,707.0	15,845.6	11,705.0	44.7	38.3	89.99	-4,136.3	351.3	848.2	766.5	81.75	10.376	
16,100.0	11,707.0	15,945.6	11,705.0	45.3	38.9	89.99	-4,236.3	351.9	848.2	765.3	82.96	10.225	
16,200.0	11,707.0	16,045.6	11,705.0	45.8	39.6	89.99	-4,336.3	352.6	848.2	764.0	84.17	10.077	
16,300.0	11,707.0	16,145.6	11,705.0	46.4	40.3	89.99	-4,436.3	353.2	848.2	762.8	85.40	9.932	
16,400.0	11,707.0	16,245.6	11,705.0	47.0	40.9	89.99	-4,536.3	353.9	848.2	761.6	86.64	9.790	
16,500.0	11,707.0	16,345.6	11,705.0	47.6	41.6	89.99	-4,636.3	354.5	848.2	760.3	87.89	9.651	
16,600.0	11,707.0	16,445.6	11,705.0	48.2	42.3	89.99	-4,736.3	355.2	848.2	759.1	89.14	9.515	
16,700.0	11,707.0	16,545.6	11,705.0	48.8	42.9	89.99	-4,836.3	355.8	848.2	757.8	90.40	9.382	
16,800.0	11,707.0	16,645.6	11,705.0	49.4	43.6	89.99	-4,936.3	356.5	848.2	756.5	91.67	9.252	
16,900.0	11,707.0	16,745.6	11,705.0	50.0	44.3	89.99	-5,036.3	357.1	848.2	755.2	92.95	9.125	
17,000.0	11,707.0	16,845.6	11,705.0	50.6	45.0	89.99	-5,136.3	357.8	848.2	754.0	94.23	9.001	
17,100.0	11,707.0	16,945.6	11,705.0	51.2	45.7	89.99	-5,236.3	358.4	848.2	752.7	95.52	8.880	
17,200.0	11,707.0	17,045.6	11,705.0	51.8	46.3	89.99	-5,336.3	359.1	848.2	751.4	96.82	8.761	
17,300.0	11,707.0	17,145.6	11,705.0	52.4	47.0	89.99	-5,436.3	359.7	848.2	750.1	98.12	8.644	
17,400.0	11,707.0	17,245.6	11,705.0	53.0	47.7	89.99	-5,536.3	360.4	848.2	748.7	99.43	8.531	
17,500.0	11,707.0	17,345.6	11,705.0	53.7	48.4	89.99	-5,636.3	361.0	848.2	747.4	100.74	8.419	
17,600.0	11,707.0	17,445.6	11,705.0	54.3	49.1	89.99	-5,736.3	361.7	848.2	746.1	102.06	8.311	
17,700.0	11,707.0	17,545.6	11,705.0	54.9	49.8	89.99	-5,836.3	362.3	848.2	744.8	103.38	8.204	
17,800.0	11,707.0	17,645.6	11,705.0	55.6	50.5	89.99	-5,936.3	363.0	848.1	743.4	104.71	8.100	
17,900.0	11,707.0	17,745.6	11,705.0	56.2	51.2	89.99	-6,036.3	363.6	848.1	742.1	106.04	7.998	
18,000.0	11,707.0	17,845.6	11,705.0	56.9	51.9	89.99	-6,136.3	364.3	848.1	740.8	107.38	7.898	
18,100.0	11,707.0	17,945.6	11,705.0	57.5	52.6	89.99	-6,236.3	364.9	848.1	739.4	108.73	7.801	
18,200.0	11,707.0	18,045.6	11,705.0	58.2	53.3	89.99	-6,336.3	365.6	848.1	738.1	110.07	7.705	
18,300.0	11,707.0	18,145.6	11,705.0	58.8	54.1	89.99	-6,436.3	366.2	848.1	736.7	111.42	7.612	
18,400.0	11,707.0	18,245.6	11,705.0	59.5	54.8	89.99	-6,536.3	366.9	848.1	735.3	112.78	7.520	
18,500.0	11,707.0	18,345.6	11,705.0	60.1	55.5	89.99	-6,636.2	367.5	848.1	734.0	114.14	7.431	
18,600.0	11,707.0	18,445.6	11,705.0	60.8	56.2	89.99	-6,736.2	368.2	848.1	732.6	115.50	7.343	
18,700.0	11,707.0	18,545.6	11,705.0	61.4	56.9	89.99	-6,836.2	368.8	848.1	731.2	116.87	7.257	
18,800.0	11,707.0	18,645.6	11,705.0	62.1	57.6	89.99	-6,936.2	369.5	848.1	729.9	118.23	7.173	
18,900.0	11,707.0	18,745.6	11,705.0	62.8	58.3	89.99	-7,036.2	370.1	848.1	728.5	119.61	7.091	
19,000.0	11,707.0	18,845.6	11,705.0	63.4	59.1	89.99	-7,136.2	370.8	848.1	727.1	120.98	7.010	
19,100.0	11,707.0	18,945.6	11,705.0	64.1	59.8	89.99	-7,236.2	371.4	848.1	725.7	122.36	6.931	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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	11,707.0	19,045.6	11,705.0	64.8	60.5	89.99	-7,336.2	372.1	848.1	724.3	123.74	6.854	
19,300.0	11,707.0	19,145.6	11,705.0	65.5	61.2	89.99	-7,436.2	372.7	848.1	723.0	125.13	6.778	
19,400.0	11,707.0	19,245.6	11,705.0	66.1	62.0	89.99	-7,536.2	373.4	848.1	721.6	126.52	6.703	
19,500.0	11,707.0	19,345.6	11,705.0	66.8	62.7	89.99	-7,636.2	374.0	848.1	720.2	127.91	6.630	
19,600.0	11,707.0	19,445.6	11,705.0	67.5	63.4	89.99	-7,736.2	374.7	848.1	718.8	129.30	6.559	
19,700.0	11,707.0	19,545.6	11,705.0	68.2	64.1	89.99	-7,836.2	375.3	848.1	717.4	130.70	6.489	
19,800.0	11,707.0	19,645.6	11,705.0	68.9	64.9	89.99	-7,936.2	376.0	848.1	716.0	132.09	6.420	
19,900.0	11,707.0	19,745.6	11,705.0	69.6	65.6	89.99	-8,036.2	376.6	848.1	714.6	133.49	6.353	
20,000.0	11,707.0	19,845.6	11,705.0	70.2	66.3	89.99	-8,136.2	377.3	848.1	713.2	134.90	6.287	
20,100.0	11,707.0	19,945.6	11,705.0	70.9	67.0	89.99	-8,236.2	377.9	848.1	711.8	136.30	6.222	
20,200.0	11,707.0	20,045.6	11,705.0	71.6	67.8	89.99	-8,336.2	378.6	848.0	710.3	137.71	6.158	
20,300.0	11,707.0	20,145.6	11,705.0	72.3	68.5	89.99	-8,436.2	379.2	848.0	708.9	139.12	6.096	
20,400.0	11,707.0	20,245.6	11,705.0	73.0	69.2	89.99	-8,536.2	379.9	848.0	707.5	140.53	6.035	
20,500.0	11,707.0	20,345.6	11,705.0	73.7	70.0	89.99	-8,636.2	380.5	848.0	706.1	141.94	5.975	
20,600.0	11,707.0	20,445.6	11,705.0	74.4	70.7	89.99	-8,736.2	381.2	848.0	704.7	143.36	5.916	
20,700.0	11,707.0	20,545.6	11,705.0	75.1	71.4	89.99	-8,836.2	381.8	848.0	703.3	144.77	5.858	
20,800.0	11,707.0	20,645.6	11,705.0	75.8	72.2	89.99	-8,936.2	382.5	848.0	701.8	146.19	5.801	
20,900.0	11,707.0	20,745.6	11,705.0	76.5	72.9	89.99	-9,036.2	383.1	848.0	700.4	147.61	5.745	
21,000.0	11,707.0	20,845.6	11,705.0	77.2	73.6	89.99	-9,136.2	383.8	848.0	699.0	149.03	5.690	
21,100.0	11,707.0	20,945.6	11,705.0	77.9	74.4	89.99	-9,236.2	384.4	848.0	697.6	150.46	5.636	
21,200.0	11,707.0	21,045.6	11,705.0	78.6	75.1	89.99	-9,336.2	385.1	848.0	696.1	151.88	5.583	
21,300.0	11,707.0	21,145.6	11,705.0	79.3	75.9	89.99	-9,436.2	385.8	848.0	694.7	153.31	5.531	
21,400.0	11,707.0	21,245.6	11,705.0	80.0	76.6	89.99	-9,536.2	386.4	848.0	693.3	154.74	5.480	
21,500.0	11,707.0	21,345.6	11,705.0	80.7	77.3	89.99	-9,636.2	387.1	848.0	691.8	156.17	5.430	
21,600.0	11,707.0	21,445.6	11,705.0	81.4	78.1	89.99	-9,736.2	387.7	848.0	690.4	157.60	5.381	
21,618.1	11,707.0	21,463.7	11,705.0	81.6	78.2	89.99	-9,754.3	387.8	848.0	690.1	157.86	5.372	
21,668.1	11,707.0	21,513.7	11,705.0	81.9	78.6	89.99	-9,804.3	388.1	848.0	689.4	158.57	5.348 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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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 #762H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11387-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-89.66	0.2	-30.0	30.0					
100.0	100.0	98.4	98.4	3.0	3.0	-89.66	0.2	-30.0	30.0	23.5	6.52	4.597		
200.0	200.0	198.4	198.4	3.2	3.2	-89.66	0.2	-30.0	30.0	23.2	6.76	4.435		
300.0	300.0	298.4	298.4	3.3	3.3	-89.66	0.2	-30.0	30.0	23.0	6.99	4.288		
400.0	400.0	398.4	398.4	3.4	3.4	-89.66	0.2	-30.0	30.0	22.8	7.21	4.155		
500.0	500.0	498.4	498.4	3.5	3.5	-89.66	0.2	-30.0	30.0	22.5	7.43	4.034		
600.0	600.0	598.4	598.4	3.7	3.7	-89.66	0.2	-30.0	30.0	22.3	7.64	3.924		
700.0	700.0	698.4	698.4	3.8	3.8	-89.66	0.2	-30.0	30.0	22.1	7.84	3.822		
800.0	800.0	798.4	798.4	3.9	3.9	-89.66	0.2	-30.0	30.0	21.9	8.04	3.728		
900.0	900.0	898.4	898.4	4.0	4.0	-89.66	0.2	-30.0	30.0	21.7	8.23	3.640		
1,000.0	1,000.0	998.4	998.4	4.2	4.2	-89.66	0.2	-30.0	30.0	21.5	8.42	3.559		
1,100.0	1,100.0	1,098.4	1,098.4	4.3	4.3	-89.66	0.2	-30.0	30.0	21.4	8.61	3.483		
1,200.0	1,200.0	1,198.4	1,198.4	4.4	4.4	-89.66	0.2	-30.0	30.0	21.2	8.79	3.411		
1,300.0	1,300.0	1,298.4	1,298.4	4.5	4.5	-89.66	0.2	-30.0	30.0	21.0	8.96	3.344		
1,400.0	1,400.0	1,398.4	1,398.4	4.6	4.6	-89.66	0.2	-30.0	30.0	20.8	9.13	3.281		
1,500.0	1,500.0	1,498.4	1,498.4	4.8	4.7	-89.66	0.2	-30.0	30.0	20.7	9.30	3.222 CC, ES		
1,600.0	1,600.0	1,599.0	1,599.0	4.9	4.9	-149.19	1.1	-29.1	30.2	20.7	9.52	3.173		
1,700.0	1,699.9	1,699.5	1,699.4	5.0	5.1	-147.71	3.9	-26.3	30.9	21.0	9.90	3.118		
1,800.0	1,799.7	1,800.0	1,799.7	5.2	5.3	-145.34	8.5	-21.6	32.0	21.7	10.28	3.110		
1,900.0	1,899.3	1,900.6	1,899.8	5.4	5.5	-142.28	15.0	-15.1	33.6	23.0	10.67	3.151		
2,000.0	1,998.6	2,001.0	1,999.6	5.7	5.7	-138.76	23.4	-6.8	35.9	24.8	11.06	3.243		
2,033.3	2,031.6	2,034.5	2,032.8	5.7	5.8	-137.52	26.6	-3.6	36.7	25.6	11.11	3.307		
2,100.0	2,097.5	2,102.0	2,099.6	5.9	5.9	-140.66	32.9	3.8	38.6	27.3	11.29	3.418		
2,200.0	2,196.0	2,203.4	2,199.6	6.2	6.2	-144.48	41.5	17.8	41.4	29.6	11.75	3.521		
2,300.0	2,293.9	2,304.9	2,299.3	6.6	6.5	-147.81	48.7	35.1	44.1	31.9	12.26	3.600		
2,375.5	2,367.5	2,381.0	2,373.8	6.8	6.7	-150.22	53.4	50.0	46.4	33.8	12.58	3.689		
2,400.0	2,391.2	2,405.4	2,397.7	6.9	6.8	-150.28	54.9	54.8	47.4	34.7	12.69	3.735		
2,500.0	2,488.2	2,505.3	2,495.5	7.2	7.1	-150.49	61.0	74.7	51.4	38.1	13.28	3.870		
2,600.0	2,585.3	2,605.3	2,593.2	7.6	7.5	-150.68	67.1	94.5	55.4	41.5	13.89	3.986		
2,700.0	2,682.3	2,705.2	2,690.9	7.9	7.8	-150.84	73.1	114.4	59.4	44.8	14.54	4.085		
2,800.0	2,779.3	2,805.1	2,788.7	8.3	8.2	-150.98	79.2	134.3	63.4	48.2	15.20	4.169		
2,900.0	2,876.3	2,905.0	2,886.4	8.7	8.6	-151.11	85.3	154.1	67.4	51.5	15.89	4.240		
3,000.0	2,973.4	3,004.9	2,984.1	9.1	8.9	-151.22	91.4	174.0	71.4	54.8	16.60	4.301		
3,100.0	3,070.4	3,104.9	3,081.9	9.5	9.3	-151.31	97.4	193.9	75.4	58.1	17.32	4.352		
3,200.0	3,167.4	3,204.8	3,179.6	10.0	9.7	-151.40	103.5	213.7	79.4	61.3	18.05	4.397		
3,300.0	3,264.5	3,304.7	3,277.4	10.4	10.2	-151.48	109.6	233.6	83.4	64.6	18.80	4.435		
3,400.0	3,361.5	3,404.6	3,375.1	10.8	10.6	-151.55	115.7	253.5	87.4	67.8	19.56	4.467		
3,500.0	3,458.5	3,504.5	3,472.8	11.3	11.0	-151.62	121.7	273.3	91.4	71.0	20.33	4.495		
3,600.0	3,555.5	3,604.5	3,570.6	11.7	11.4	-151.68	127.8	293.2	95.4	74.3	21.10	4.519		
3,700.0	3,652.6	3,704.4	3,668.3	12.1	11.9	-151.74	133.9	313.1	99.4	77.5	21.89	4.540		
3,800.0	3,749.6	3,804.3	3,766.0	12.6	12.3	-151.79	140.0	332.9	103.4	80.7	22.68	4.558		
3,900.0	3,846.6	3,904.2	3,863.8	13.0	12.7	-151.84	146.0	352.8	107.4	83.9	23.47	4.574		
4,000.0	3,943.7	4,004.1	3,961.5	13.5	13.2	-151.88	152.1	372.7	111.4	87.1	24.28	4.587		
4,100.0	4,040.7	4,104.1	4,059.2	14.0	13.6	-151.92	158.2	392.5	115.4	90.3	25.08	4.599		
4,200.0	4,137.7	4,204.0	4,157.0	14.4	14.1	-151.96	164.3	412.4	119.4	93.5	25.90	4.609		
4,300.0	4,234.8	4,303.9	4,254.7	14.9	14.5	-152.00	170.3	432.3	123.4	96.7	26.71	4.618		
4,400.0	4,331.8	4,403.8	4,352.5	15.3	14.9	-152.03	176.4	452.1	127.4	99.8	27.53	4.626		
4,500.0	4,428.8	4,503.7	4,450.2	15.8	15.4	-152.06	182.5	472.0	131.4	103.0	28.35	4.633		
4,600.0	4,525.8	4,603.7	4,547.9	16.3	15.8	-152.09	188.6	491.9	135.4	106.2	29.18	4.639		
4,700.0	4,622.9	4,703.6	4,645.7	16.7	16.3	-152.12	194.6	511.7	139.4	109.4	30.01	4.644		
4,800.0	4,719.9	4,803.5	4,743.4	17.2	16.8	-152.15	200.7	531.6	143.4	112.5	30.84	4.649		
4,900.0	4,816.9	4,903.4	4,841.1	17.7	17.2	-152.17	206.8	551.5	147.4	115.7	31.67	4.652		

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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 #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11387-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
Warning													
5,000.0	4,914.0	5,003.3	4,938.9	18.2	17.7	-152.19		212.8	571.3	151.4	118.9	32.51	4.656
5,100.0	5,011.0	5,103.3	5,036.6	18.6	18.1	-152.22		218.9	591.2	155.4	122.0	33.35	4.659
5,200.0	5,108.0	5,203.2	5,134.3	19.1	18.6	-152.24		225.0	611.1	159.4	125.2	34.19	4.661
5,300.0	5,205.1	5,302.8	5,231.8	19.6	19.0	-152.26		231.0	630.9	163.4	128.4	35.02	4.665
5,400.0	5,302.1	5,400.0	5,327.1	20.1	19.5	-152.47		236.7	649.2	168.3	132.4	35.91	4.686
5,500.0	5,399.1	5,497.6	5,423.1	20.5	19.9	-152.96		241.8	666.1	174.6	137.8	36.84	4.741
5,600.0	5,496.1	5,594.7	5,518.9	21.0	20.4	-153.69		246.5	681.3	182.4	144.6	37.81	4.826
5,700.0	5,593.2	5,691.5	5,614.6	21.5	20.8	-154.60		250.6	694.9	191.7	152.9	38.81	4.940
5,800.0	5,690.2	5,788.0	5,710.2	22.0	21.2	-155.66		254.3	707.0	202.5	162.7	39.83	5.085
5,900.0	5,787.2	5,884.0	5,805.7	22.4	21.6	-156.82		257.5	717.4	214.9	174.0	40.86	5.259
6,000.0	5,884.3	5,979.6	5,900.8	22.9	21.9	-158.03		260.2	726.3	228.8	186.9	41.88	5.463
6,100.0	5,981.3	6,074.8	5,995.7	23.4	22.3	-159.26		262.5	733.7	244.3	201.4	42.88	5.696
6,200.0	6,078.3	6,169.4	6,090.1	23.9	22.6	-160.49		264.2	739.5	261.3	217.5	43.85	5.959
6,300.0	6,175.3	6,263.4	6,184.0	24.4	23.0	-161.69		265.6	743.7	280.0	235.2	44.78	6.252
6,400.0	6,272.4	6,356.7	6,277.3	24.9	23.2	-162.86		266.4	746.5	300.3	254.6	45.66	6.576
6,500.0	6,369.4	6,449.4	6,369.9	25.3	23.4	-163.97		266.8	747.9	322.1	275.7	46.44	6.937
6,577.9	6,445.0	6,522.9	6,443.4	25.7	23.5	-164.81		266.9	748.0	340.2	293.2	46.99	7.240
6,600.0	6,466.5	6,544.4	6,464.9	25.8	23.5	-165.07		266.9	748.0	345.3	298.1	47.15	7.323
6,700.0	6,564.1	6,642.0	6,562.5	26.3	23.6	-166.05		266.9	748.0	366.4	318.5	47.86	7.655
6,800.0	6,662.4	6,740.3	6,660.8	26.8	23.6	-166.79		266.9	748.0	384.2	335.7	48.50	7.922
6,900.0	6,761.2	6,839.1	6,759.7	27.2	23.6	-167.34		266.9	748.0	398.7	349.6	49.09	8.122
7,000.0	6,860.6	6,938.5	6,859.0	27.7	23.7	-167.74		266.9	748.0	409.8	360.2	49.63	8.258
7,100.0	6,960.3	7,038.2	6,958.7	28.0	23.7	-168.00		266.9	748.0	417.6	367.5	50.12	8.333
7,200.0	7,060.2	7,138.1	7,058.6	28.4	23.7	-168.15		266.9	748.0	422.0	371.4	50.54	8.350
7,277.9	7,138.1	7,215.9	7,136.5	28.5	23.8	-90.18		266.9	748.0	423.0	372.3	50.70	8.344
7,300.0	7,160.1	7,238.0	7,158.6	28.5	23.8	-90.18		266.9	748.0	423.0	372.3	50.71	8.343
7,400.0	7,260.1	7,338.0	7,258.6	28.5	23.8	-90.18		266.9	748.0	423.0	372.2	50.78	8.331
7,500.0	7,360.1	7,438.0	7,358.6	28.6	23.9	-90.18		266.9	748.0	423.0	372.2	50.84	8.320
7,600.0	7,460.1	7,538.0	7,458.6	28.6	23.9	-90.18		266.9	748.0	423.0	372.1	50.91	8.309
7,700.0	7,560.1	7,638.0	7,558.6	28.6	23.9	-90.18		266.9	748.0	423.0	372.0	50.98	8.299
7,800.0	7,660.1	7,738.0	7,658.6	28.7	24.0	-90.18		266.9	748.0	423.0	372.0	51.04	8.288
7,900.0	7,760.1	7,838.0	7,758.6	28.7	24.0	-90.18		266.9	748.0	423.0	371.9	51.11	8.277
8,000.0	7,860.1	7,938.0	7,858.6	28.7	24.0	-90.18		266.9	748.0	423.0	371.8	51.18	8.265
8,100.0	7,960.1	8,038.0	7,958.6	28.8	24.1	-90.18		266.9	748.0	423.0	371.8	51.25	8.254
8,200.0	8,060.1	8,138.0	8,058.6	28.8	24.1	-90.18		266.9	748.0	423.0	371.7	51.32	8.243
8,300.0	8,160.1	8,238.0	8,158.6	28.8	24.2	-90.18		266.9	748.0	423.0	371.6	51.39	8.232
8,400.0	8,260.1	8,338.0	8,258.6	28.8	24.2	-90.18		266.9	748.0	423.0	371.6	51.46	8.221
8,500.0	8,360.1	8,438.0	8,358.6	28.9	24.2	-90.18		266.9	748.0	423.0	371.5	51.53	8.210
8,600.0	8,460.1	8,538.0	8,458.6	28.9	24.3	-90.18		266.9	748.0	423.0	371.4	51.60	8.198
8,700.0	8,560.1	8,638.0	8,558.6	28.9	24.3	-90.18		266.9	748.0	423.0	371.4	51.67	8.187
8,800.0	8,660.1	8,738.0	8,658.6	29.0	24.4	-90.18		266.9	748.0	423.0	371.3	51.74	8.176
8,900.0	8,760.1	8,838.0	8,758.6	29.0	24.4	-90.18		266.9	748.0	423.0	371.2	51.81	8.164
9,000.0	8,860.1	8,938.0	8,858.6	29.0	24.5	-90.18		266.9	748.0	423.0	371.1	51.89	8.153
9,100.0	8,960.1	9,038.0	8,958.6	29.1	24.5	-90.18		266.9	748.0	423.0	371.1	51.96	8.142
9,200.0	9,060.1	9,138.0	9,058.6	29.1	24.5	-90.18		266.9	748.0	423.0	371.0	52.03	8.130
9,300.0	9,160.1	9,238.0	9,158.6	29.1	24.6	-90.18		266.9	748.0	423.0	370.9	52.10	8.119
9,400.0	9,260.1	9,338.0	9,258.6	29.2	24.6	-90.18		266.9	748.0	423.0	370.8	52.18	8.107
9,500.0	9,360.1	9,438.0	9,358.6	29.2	24.7	-90.18		266.9	748.0	423.0	370.8	52.25	8.096
9,600.0	9,460.1	9,538.0	9,458.6	29.2	24.7	-90.18		266.9	748.0	423.0	370.7	52.33	8.084
9,700.0	9,560.1	9,638.0	9,558.6	29.3	24.7	-90.18		266.9	748.0	423.0	370.6	52.40	8.072
9,800.0	9,660.1	9,738.0	9,658.6	29.3	24.8	-90.18		266.9	748.0	423.0	370.5	52.48	8.061
9,900.0	9,760.1	9,838.0	9,758.6	29.3	24.8	-90.18		266.9	748.0	423.0	370.5	52.55	8.049

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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 #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11387-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
10,000.0	9,860.1	9,938.0	9,858.6	29.4	24.9	-90.18		266.9	748.0	423.0	370.4	52.63	8.037
10,100.0	9,960.1	10,038.0	9,958.6	29.4	24.9	-90.18		266.9	748.0	423.0	370.3	52.71	8.026
10,200.0	10,060.1	10,138.0	10,058.6	29.4	25.0	-90.18		266.9	748.0	423.0	370.2	52.79	8.014
10,300.0	10,160.1	10,238.0	10,158.6	29.5	25.0	-90.18		266.9	748.0	423.0	370.2	52.86	8.002
10,400.0	10,260.1	10,338.0	10,258.6	29.5	25.0	-90.18		266.9	748.0	423.0	370.1	52.94	7.991
10,500.0	10,360.1	10,438.0	10,358.6	29.5	25.1	-90.18		266.9	748.0	423.0	370.0	53.02	7.979
10,600.0	10,460.1	10,538.0	10,458.6	29.6	25.1	-90.18		266.9	748.0	423.0	369.9	53.10	7.967
10,700.0	10,560.1	10,638.0	10,558.6	29.6	25.2	-90.18		266.9	748.0	423.0	369.8	53.18	7.955
10,800.0	10,660.1	10,738.0	10,658.6	29.6	25.2	-90.18		266.9	748.0	423.0	369.8	53.26	7.943
10,900.0	10,760.1	10,838.0	10,758.6	29.7	25.3	-90.18		266.9	748.0	423.0	369.7	53.34	7.931
11,000.0	10,860.1	10,938.0	10,858.6	29.7	25.3	-90.18		266.9	748.0	423.0	369.6	53.42	7.919
11,100.0	10,960.1	11,038.0	10,958.6	29.8	25.4	-90.18		266.9	748.0	423.0	369.5	53.50	7.908
11,200.0	11,060.1	11,138.0	11,058.6	29.8	25.4	-90.18		266.9	748.0	423.0	369.4	53.58	7.896
11,273.9	11,134.0	11,211.9	11,132.5	29.8	25.4	-90.18		266.9	748.0	423.0	369.4	53.63	7.888
11,300.0	11,160.1	11,238.0	11,158.6	29.8	25.4	90.27		266.9	748.0	423.0	369.4	53.63	7.888
11,350.0	11,209.9	11,287.8	11,208.3	29.8	25.5	90.87		266.9	748.0	423.1	369.5	53.55	7.900
11,400.0	11,259.1	11,337.0	11,257.6	29.8	25.5	92.01		266.9	748.0	423.3	369.9	53.36	7.933
11,450.0	11,307.4	11,385.3	11,305.8	29.8	25.5	93.64		266.9	748.0	424.0	370.9	53.04	7.994
11,500.0	11,354.3	11,436.0	11,356.5	29.9	25.5	95.59		264.7	748.0	425.2	372.6	52.69	8.071
11,550.0	11,399.6	11,488.4	11,408.3	29.9	25.5	97.52		257.8	748.1	427.1	374.7	52.38	8.153
11,600.0	11,442.8	11,542.3	11,460.9	29.9	25.5	99.42		245.8	748.2	429.3	377.2	52.12	8.237
11,650.0	11,483.7	11,598.0	11,513.8	29.9	25.6	101.26		228.3	748.3	432.0	380.1	51.95	8.317
11,700.0	11,521.9	11,655.6	11,566.3	29.9	25.6	103.02		204.8	748.4	435.1	383.2	51.87	8.388
11,750.0	11,557.2	11,715.1	11,617.9	29.9	25.6	104.70		175.2	748.6	438.3	386.4	51.91	8.444
11,800.0	11,589.3	11,776.5	11,667.6	29.9	25.6	106.27		139.2	748.8	441.7	389.6	52.08	8.480
11,850.0	11,617.9	11,840.0	11,714.6	30.0	25.6	107.71		96.6	749.1	445.1	392.7	52.40	8.493
11,900.0	11,642.8	11,905.3	11,757.8	30.0	25.7	109.00		47.6	749.4	448.3	395.4	52.85	8.481
11,950.0	11,663.8	11,972.4	11,796.0	30.0	25.7	110.11		-7.5	749.8	451.2	397.7	53.43	8.445
12,000.0	11,680.8	12,041.2	11,828.3	30.1	25.8	111.02		-68.2	750.2	453.7	399.6	54.09	8.387
12,050.0	11,693.7	12,111.3	11,853.4	30.1	25.8	111.72		-133.6	750.6	455.6	400.8	54.82	8.312
12,100.0	11,702.2	12,182.4	11,870.6	30.2	25.9	112.18		-202.5	751.0	457.0	401.4	55.55	8.226
12,150.0	11,706.5	12,254.1	11,879.1	30.2	26.0	112.41		-273.7	751.5	457.6	401.4	56.25	8.135
12,173.9	11,707.0	12,288.5	11,880.0	30.2	26.0	112.42		-308.0	751.7	457.7	401.1	56.56	8.092
12,177.5	11,707.0	12,293.7	11,880.0	30.3	26.0	112.42		-313.3	751.7	457.7	401.1	56.61	8.085
12,200.0	11,707.0	12,314.0	11,880.0	30.3	26.1	112.42		-333.6	751.8	457.7	401.1	56.60	8.086
12,300.0	11,707.0	12,414.0	11,880.0	30.4	26.2	112.42		-433.6	752.5	457.7	400.9	56.84	8.053
12,400.0	11,707.0	12,514.0	11,880.0	30.6	26.4	112.42		-533.6	753.1	457.7	400.6	57.11	8.014
12,500.0	11,707.0	12,614.0	11,880.0	30.7	26.5	112.42		-633.5	753.8	457.7	400.3	57.43	7.970
12,600.0	11,707.0	12,714.0	11,880.0	30.9	26.7	112.42		-733.5	754.4	457.7	399.9	57.78	7.922
12,700.0	11,707.0	12,814.0	11,880.0	31.1	26.9	112.42		-833.5	755.0	457.7	399.6	58.17	7.869
12,800.0	11,707.0	12,914.0	11,880.0	31.3	27.2	112.42		-933.5	755.7	457.7	399.1	58.60	7.812
12,900.0	11,707.0	13,014.0	11,880.0	31.6	27.4	112.42		-1,033.5	756.3	457.7	398.7	59.06	7.750
13,000.0	11,707.0	13,114.0	11,880.0	31.8	27.7	112.42		-1,133.5	756.9	457.8	398.2	59.56	7.686
13,100.0	11,707.0	13,214.0	11,880.0	32.1	28.0	112.42		-1,233.5	757.6	457.8	397.7	60.09	7.618
13,200.0	11,707.0	13,314.0	11,880.0	32.3	28.3	112.42		-1,333.5	758.2	457.8	397.1	60.66	7.547
13,300.0	11,707.0	13,414.0	11,880.0	32.6	28.6	112.42		-1,433.5	758.8	457.8	396.5	61.26	7.473
13,400.0	11,707.0	13,514.0	11,880.0	32.9	28.9	112.42		-1,533.5	759.5	457.8	395.9	61.89	7.397
13,500.0	11,707.0	13,614.0	11,880.0	33.3	29.2	112.42		-1,633.5	760.1	457.8	395.3	62.55	7.319
13,600.0	11,707.0	13,714.0	11,880.0	33.6	29.6	112.42		-1,733.5	760.8	457.8	394.6	63.24	7.239
13,700.0	11,707.0	13,814.0	11,880.0	33.9	30.0	112.42		-1,833.5	761.4	457.8	393.9	63.96	7.158
13,800.0	11,707.0	13,914.0	11,880.0	34.3	30.4	112.42		-1,933.5	762.0	457.8	393.1	64.70	7.076
13,900.0	11,707.0	14,014.0	11,880.0	34.7	30.8	112.42		-2,033.5	762.7	457.8	392.4	65.48	6.992

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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 #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11387-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	11,707.0	14,114.0	11,880.0	35.0	31.2	112.41	-2,133.5	763.3	457.8	391.6	66.28	6.908	
14,100.0	11,707.0	14,214.0	11,880.0	35.4	31.6	112.41	-2,233.5	763.9	457.9	390.8	67.10	6.823	
14,200.0	11,707.0	14,314.0	11,880.0	35.8	32.0	112.41	-2,333.5	764.6	457.9	389.9	67.95	6.738	
14,300.0	11,707.0	14,414.0	11,880.0	36.3	32.5	112.41	-2,433.5	765.2	457.9	389.1	68.82	6.653	
14,400.0	11,707.0	14,514.0	11,880.0	36.7	33.0	112.41	-2,533.5	765.9	457.9	388.2	69.71	6.568	
14,500.0	11,707.0	14,614.0	11,880.0	37.1	33.4	112.41	-2,633.5	766.5	457.9	387.3	70.63	6.483	
14,600.0	11,707.0	14,714.0	11,880.0	37.6	33.9	112.41	-2,733.5	767.1	457.9	386.3	71.56	6.399	
14,700.0	11,707.0	14,814.0	11,880.0	38.0	34.4	112.41	-2,833.5	767.8	457.9	385.4	72.52	6.315	
14,800.0	11,707.0	14,914.0	11,880.0	38.5	34.9	112.41	-2,933.5	768.4	457.9	384.4	73.49	6.231	
14,900.0	11,707.0	15,014.0	11,880.0	39.0	35.4	112.41	-3,033.5	769.0	457.9	383.4	74.48	6.148	
15,000.0	11,707.0	15,114.0	11,880.0	39.4	36.0	112.41	-3,133.5	769.7	457.9	382.4	75.49	6.066	
15,100.0	11,707.0	15,214.0	11,880.0	39.9	36.5	112.41	-3,233.5	770.3	457.9	381.4	76.51	5.985	
15,200.0	11,707.0	15,314.0	11,880.0	40.4	37.0	112.41	-3,333.5	770.9	458.0	380.4	77.56	5.905	
15,300.0	11,707.0	15,414.0	11,880.0	40.9	37.6	112.41	-3,433.5	771.6	458.0	379.3	78.61	5.825	
15,400.0	11,707.0	15,514.0	11,880.0	41.5	38.1	112.41	-3,533.5	772.2	458.0	378.3	79.69	5.747	
15,500.0	11,707.0	15,614.0	11,880.0	42.0	38.7	112.41	-3,633.5	772.9	458.0	377.2	80.77	5.670	
15,600.0	11,707.0	15,714.0	11,880.0	42.5	39.3	112.41	-3,733.5	773.5	458.0	376.1	81.87	5.594	
15,700.0	11,707.0	15,814.0	11,880.0	43.0	39.8	112.41	-3,833.5	774.1	458.0	375.0	82.98	5.519	
15,800.0	11,707.0	15,914.0	11,880.0	43.6	40.4	112.41	-3,933.5	774.8	458.0	373.9	84.11	5.445	
15,900.0	11,707.0	16,014.0	11,880.0	44.1	41.0	112.41	-4,033.5	775.4	458.0	372.8	85.25	5.373	
16,000.0	11,707.0	16,114.0	11,880.0	44.7	41.6	112.41	-4,133.5	776.0	458.0	371.6	86.40	5.301	
16,100.0	11,707.0	16,214.0	11,880.0	45.3	42.2	112.41	-4,233.5	776.7	458.0	370.5	87.56	5.231	
16,200.0	11,707.0	16,314.0	11,880.0	45.8	42.8	112.40	-4,333.5	777.3	458.0	369.3	88.73	5.162	
16,300.0	11,707.0	16,414.0	11,880.0	46.4	43.4	112.40	-4,433.5	777.9	458.0	368.1	89.91	5.095	
16,400.0	11,707.0	16,514.0	11,880.0	47.0	44.0	112.40	-4,533.5	778.6	458.1	367.0	91.10	5.028	
16,500.0	11,707.0	16,614.0	11,880.0	47.6	44.7	112.40	-4,633.5	779.2	458.1	365.8	92.30	4.963	
16,600.0	11,707.0	16,714.0	11,880.0	48.2	45.3	112.40	-4,733.5	779.9	458.1	364.6	93.51	4.899	
16,700.0	11,707.0	16,814.0	11,880.0	48.8	45.9	112.40	-4,833.5	780.5	458.1	363.4	94.73	4.836	
16,800.0	11,707.0	16,914.0	11,880.0	49.4	46.5	112.40	-4,933.5	781.1	458.1	362.1	95.96	4.774	
16,900.0	11,707.0	17,014.0	11,880.0	50.0	47.2	112.40	-5,033.5	781.8	458.1	360.9	97.19	4.713	
17,000.0	11,707.0	17,114.0	11,880.0	50.6	47.8	112.40	-5,133.5	782.4	458.1	359.7	98.44	4.654	
17,100.0	11,707.0	17,214.0	11,880.0	51.2	48.5	112.40	-5,233.5	783.0	458.1	358.4	99.69	4.596	
17,200.0	11,707.0	17,314.0	11,880.0	51.8	49.1	112.40	-5,333.5	783.7	458.1	357.2	100.94	4.538	
17,300.0	11,707.0	17,414.0	11,880.0	52.4	49.8	112.40	-5,433.5	784.3	458.1	355.9	102.21	4.482	
17,400.0	11,707.0	17,514.0	11,880.0	53.0	50.4	112.40	-5,533.5	785.0	458.1	354.7	103.48	4.427	
17,500.0	11,707.0	17,614.0	11,880.0	53.7	51.1	112.40	-5,633.4	785.6	458.2	353.4	104.76	4.373	
17,600.0	11,707.0	17,714.0	11,880.0	54.3	51.8	112.40	-5,733.4	786.2	458.2	352.1	106.04	4.321	
17,700.0	11,707.0	17,814.0	11,880.0	54.9	52.4	112.40	-5,833.4	786.9	458.2	350.8	107.33	4.269	
17,800.0	11,707.0	17,914.0	11,880.0	55.6	53.1	112.40	-5,933.4	787.5	458.2	349.6	108.63	4.218	
17,900.0	11,707.0	18,014.0	11,880.0	56.2	53.8	112.40	-6,033.4	788.1	458.2	348.3	109.93	4.168	
18,000.0	11,707.0	18,114.0	11,880.0	56.9	54.4	112.40	-6,133.4	788.8	458.2	347.0	111.24	4.119	
18,100.0	11,707.0	18,214.0	11,880.0	57.5	55.1	112.40	-6,233.4	789.4	458.2	345.7	112.55	4.071	
18,200.0	11,707.0	18,314.0	11,880.0	58.2	55.8	112.40	-6,333.4	790.0	458.2	344.4	113.87	4.024	
18,300.0	11,707.0	18,414.0	11,880.0	58.8	56.5	112.39	-6,433.4	790.7	458.2	343.0	115.19	3.978	
18,400.0	11,707.0	18,514.0	11,880.0	59.5	57.1	112.39	-6,533.4	791.3	458.2	341.7	116.52	3.933	
18,500.0	11,707.0	18,614.0	11,880.0	60.1	57.8	112.39	-6,633.4	792.0	458.2	340.4	117.85	3.888	
18,600.0	11,707.0	18,714.0	11,880.0	60.8	58.5	112.39	-6,733.4	792.6	458.3	339.1	119.18	3.845	
18,700.0	11,707.0	18,814.0	11,880.0	61.4	59.2	112.39	-6,833.4	793.2	458.3	337.7	120.52	3.802	
18,800.0	11,707.0	18,914.0	11,880.0	62.1	59.9	112.39	-6,933.4	793.9	458.3	336.4	121.87	3.760	
18,900.0	11,707.0	19,014.0	11,880.0	62.8	60.6	112.39	-7,033.4	794.5	458.3	335.1	123.21	3.719	
19,000.0	11,707.0	19,114.0	11,880.0	63.4	61.3	112.39	-7,133.4	795.1	458.3	333.7	124.57	3.679	
19,100.0	11,707.0	19,214.0	11,880.0	64.1	62.0	112.39	-7,233.4	795.8	458.3	332.4	125.92	3.640	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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 #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11387-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	11,707.0	19,314.0	11,880.0	64.8	62.7	112.39	-7,333.4	796.4	458.3	331.0	127.28	3.601	
19,300.0	11,707.0	19,414.0	11,880.0	65.5	63.4	112.39	-7,433.4	797.1	458.3	329.7			
19,400.0	11,707.0	19,514.0	11,880.0	66.1	64.1	112.39	-7,533.4	797.7	458.3	328.3			
19,500.0	11,707.0	19,614.0	11,880.0	66.8	64.8	112.39	-7,633.4	798.3	458.3	327.0			
19,600.0	11,707.0	19,714.0	11,880.0	67.5	65.5	112.39	-7,733.4	799.0	458.3	325.6			
19,700.0	11,707.0	19,814.0	11,880.0	68.2	66.2	112.39	-7,833.4	799.6	458.4	324.2	134.13	3.417	
19,800.0	11,707.0	19,914.0	11,880.0	68.9	66.9	112.39	-7,933.4	800.2	458.4	322.9	135.50	3.383	
19,900.0	11,707.0	20,014.0	11,880.0	69.6	67.6	112.39	-8,033.4	800.9	458.4	321.5	136.88	3.349	
20,000.0	11,707.0	20,114.0	11,880.0	70.2	68.3	112.39	-8,133.4	801.5	458.4	320.1	138.27	3.315	
20,100.0	11,707.0	20,214.0	11,880.0	70.9	69.0	112.39	-8,233.4	802.1	458.4	318.7	139.66	3.282	
20,200.0	11,707.0	20,314.0	11,880.0	71.6	69.7	112.39	-8,333.4	802.8	458.4	317.4	141.04	3.250	
20,300.0	11,707.0	20,414.0	11,880.0	72.3	70.4	112.39	-8,433.4	803.4	458.4	316.0	142.44	3.218	
20,400.0	11,707.0	20,514.0	11,880.0	73.0	71.1	112.39	-8,533.4	804.1	458.4	314.6	143.83	3.187	
20,500.0	11,707.0	20,614.0	11,880.0	73.7	71.9	112.38	-8,633.4	804.7	458.4	313.2	145.23	3.157	
20,600.0	11,707.0	20,714.0	11,880.0	74.4	72.6	112.38	-8,733.4	805.3	458.4	311.8	146.63	3.127	
20,700.0	11,707.0	20,814.0	11,880.0	75.1	73.3	112.38	-8,833.4	806.0	458.4	310.4	148.03	3.097	
20,800.0	11,707.0	20,914.0	11,880.0	75.8	74.0	112.38	-8,933.4	806.6	458.5	309.0	149.43	3.068	
20,900.0	11,707.0	21,014.0	11,880.0	76.5	74.7	112.38	-9,033.4	807.2	458.5	307.6	150.84	3.039	
21,000.0	11,707.0	21,114.0	11,880.0	77.2	75.4	112.38	-9,133.4	807.9	458.5	306.2	152.24	3.011	
21,100.0	11,707.0	21,214.0	11,880.0	77.9	76.2	112.38	-9,233.4	808.5	458.5	304.8	153.65	2.984	
21,200.0	11,707.0	21,314.0	11,880.0	78.6	76.9	112.38	-9,333.4	809.1	458.5	303.4	155.06	2.957	
21,300.0	11,707.0	21,414.0	11,880.0	79.3	77.6	112.38	-9,433.4	809.8	458.5	302.0	156.48	2.930	
21,400.0	11,707.0	21,514.0	11,880.0	80.0	78.3	112.38	-9,533.4	810.4	458.5	300.6	157.89	2.904	
21,500.0	11,707.0	21,614.0	11,880.0	80.7	79.0	112.38	-9,633.4	811.1	458.5	299.2	159.31	2.878	
21,600.0	11,707.0	21,714.0	11,880.0	81.4	79.8	112.38	-9,733.4	811.7	458.5	297.8	160.73	2.853	
21,618.1	11,707.0	21,732.1	11,880.0	81.6	79.9	112.38	-9,751.5	811.8	458.5	297.5	160.99	2.848	
21,668.1	11,707.0	21,782.1	11,880.0	81.9	80.3	112.38	-9,801.5	812.1	458.5	296.8	161.69	2.836 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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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							Rule Assigned:				Offset Well Error: 3.0 usft	
Measured Depth	Reference	Offset	Semi Major Axis	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	3.0	3.0	90.38	-0.2	30.0	30.1	23.5	6.52	4.609		
100.0	100.0	99.2	99.2	3.0	3.0	90.38	-0.2	30.0	30.1	23.3	6.76	4.446		
200.0	200.0	199.2	199.2	3.2	3.2	90.38	-0.2	30.0	30.1	23.1	6.99	4.299		
300.0	300.0	299.2	299.2	3.3	3.3	90.38	-0.2	30.0	30.1	22.8	7.21	4.166		
400.0	400.0	399.2	399.2	3.4	3.4	90.38	-0.2	30.0	30.1	22.6	7.43	4.045		
500.0	500.0	499.2	499.2	3.5	3.5	90.38	-0.2	30.0	30.1	22.4	7.64	3.934		
600.0	600.0	599.2	599.2	3.7	3.7	90.38	-0.2	30.0	30.1	22.2	7.84	3.832		
700.0	700.0	699.2	699.2	3.8	3.8	90.38	-0.2	30.0	30.1	22.0	8.04	3.737		
800.0	800.0	799.2	799.2	3.9	3.9	90.38	-0.2	30.0	30.1	21.8	8.23	3.650		
900.0	900.0	899.2	899.2	4.0	4.0	90.38	-0.2	30.0	30.1	21.6	8.42	3.568		
1,000.0	1,000.0	999.2	999.2	4.2	4.2	90.38	-0.2	30.0	30.1	21.4	8.61	3.492		
1,100.0	1,100.0	1,099.2	1,099.2	4.3	4.3	90.38	-0.2	30.0	30.1	21.3	8.79	3.420		
1,200.0	1,200.0	1,199.2	1,199.2	4.4	4.4	90.38	-0.2	30.0	30.1	21.1	8.96	3.353		
1,300.0	1,300.0	1,299.2	1,299.2	4.5	4.5	90.38	-0.2	30.0	30.1	20.9	9.13	3.290		
1,400.0	1,400.0	1,399.2	1,399.2	4.6	4.6	90.38	-0.2	30.0	30.1	20.7	9.30	3.230 CC, ES		
1,500.0	1,500.0	1,499.2	1,499.2	4.8	4.7	90.38	-0.2	30.0	30.1	21.0	9.60	3.188		
1,600.0	1,600.0	1,598.1	1,598.1	4.9	4.8	31.14	0.0	31.7	30.6	22.3	10.05	3.219		
1,700.0	1,699.9	1,697.1	1,696.9	5.0	5.0	33.25	0.7	36.8	32.4	24.9	10.51	3.364		
1,800.0	1,799.7	1,795.9	1,795.3	5.2	5.2	36.28	1.9	45.2	35.4	28.8	10.98	3.619		
1,900.0	1,899.3	1,894.5	1,893.2	5.4	5.5	39.72	3.6	56.9	39.7	34.1	11.45	3.974		
2,000.0	1,998.6	1,992.9	1,990.5	5.7	5.9	43.13	5.7	71.9	45.5	36.2	11.57	4.127		
2,033.3	2,031.6	2,025.7	2,022.7	5.7	6.0	44.21	6.5	77.7	47.7	40.5	11.85	4.418		
2,100.0	2,097.5	2,091.1	2,086.9	5.9	6.2	40.70	8.3	90.2	52.3	46.6	12.39	4.764		
2,200.0	2,196.0	2,189.2	2,182.5	6.2	6.6	36.19	11.3	111.7	59.0	52.2	12.89	5.050		
2,300.0	2,293.9	2,287.8	2,278.0	6.6	6.8	32.32	14.7	136.4	65.1	54.6	13.31	5.098		
2,375.5	2,367.5	2,363.3	2,350.9	6.8	7.1	30.22	17.5	155.8	67.9	55.0	13.44	5.093		
2,400.0	2,391.2	2,387.7	2,374.5	6.9	7.1	30.36	18.3	162.0	68.5	56.8	14.07	5.035		
2,500.0	2,488.2	2,487.7	2,471.1	7.2	7.5	30.94	21.9	187.6	70.8	58.5	14.71	4.977		
2,600.0	2,585.3	2,587.7	2,567.6	7.6	7.9	31.47	25.5	213.3	73.2	60.2	15.37	4.917		
2,700.0	2,682.3	2,687.6	2,664.2	7.9	8.2	31.97	29.1	238.9	75.6	61.9	16.05	4.857		
2,800.0	2,779.3	2,787.6	2,760.8	8.3	8.6	32.44	32.8	264.5	78.0	63.6	16.75	4.798		
2,900.0	2,876.3	2,887.6	2,857.3	8.7	9.0	32.88	36.4	290.1	80.4	65.3	17.46	4.741		
3,000.0	2,973.4	2,987.6	2,953.9	9.1	9.5	33.30	40.0	315.8	82.8	67.0	18.18	4.685		
3,100.0	3,070.4	3,087.5	3,050.4	9.5	9.9	33.69	43.6	341.4	85.2	68.7	18.91	4.632		
3,200.0	3,167.4	3,187.5	3,147.0	10.0	10.3	34.06	47.2	367.0	87.6	70.3	19.64	4.581		
3,300.0	3,264.5	3,287.5	3,243.6	10.4	10.7	34.42	50.8	392.6	90.0	72.0	20.39	4.532		
3,400.0	3,361.5	3,387.4	3,340.1	10.8	11.2	34.75	54.4	418.2	92.4	73.7	21.13	4.485		
3,500.0	3,458.5	3,487.4	3,436.7	11.3	11.6	35.07	58.0	443.9	94.8	75.3	21.89	4.441		
3,600.0	3,555.5	3,587.4	3,533.3	11.7	12.1	35.37	61.6	469.5	97.2	77.0	22.65	4.399		
3,700.0	3,652.6	3,687.3	3,629.8	12.1	12.5	35.65	65.2	495.1	99.6	78.6	23.41	4.359		
3,800.0	3,749.6	3,787.3	3,726.4	12.6	13.0	35.93	68.8	520.7	102.1	80.3	24.18	4.321		
3,900.0	3,846.6	3,887.3	3,823.0	13.0	13.4	36.19	72.4	546.4	104.5	82.0	24.95	4.285		
4,000.0	3,943.7	3,987.3	3,919.5	13.5	13.9	36.43	76.0	572.0	106.9	83.6	25.72	4.251		
4,100.0	4,040.7	4,087.2	4,016.1	14.0	14.3	36.67	79.6	597.6	109.3	85.3	26.49	4.219		
4,200.0	4,137.7	4,187.2	4,112.6	14.4	14.8	36.90	83.2	623.2	111.8	86.9	27.27	4.188		
4,300.0	4,234.8	4,287.2	4,209.2	14.9	15.3	37.11	86.8	648.8	114.2	88.6	28.05	4.158		
4,400.0	4,331.8	4,387.1	4,305.8	15.3	15.7	37.32	90.4	674.5	116.6	90.2	28.83	4.130		
4,500.0	4,428.8	4,487.1	4,402.3	15.8	16.2	37.52	94.0	700.1	119.1	91.9	29.61	4.103		
4,600.0	4,525.8	4,587.1	4,498.9	16.3	16.7	37.71	97.6	725.7	121.5	93.5	30.39	4.078		
4,700.0	4,622.9	4,687.0	4,595.5	16.7	17.2	37.90	101.2	751.3	123.9	95.2	31.18	4.054		
4,800.0	4,719.9	4,787.0	4,692.0	17.2	17.6	38.07	104.8	777.0	126.4	96.9	31.96	4.031		
4,900.0	4,816.9	4,887.0	4,788.6	17.7	18.1	38.24	108.4	802.6	128.8	96.9	31.96	4.031		

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

ConocoPhillips

Anticollision Report

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Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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												Rule Assigned:	
Measured Depth (usft)		Vertical Depth (usft)		Offset		Semi Major Axis		Highside Toolface (°)		Offset Wellbore Centre		Distance	
Reference		Offset		Reference		Offset		Between Centres (usft)		Between Ellipses (usft)		Minimum Separation (usft)	
Warning		Warning		Warning		Warning		Warning		Warning		Warning	
5,000.0	4,914.0	4,986.9	4,885.1	18.2	18.6	38.41	112.0	828.2	131.3	98.5	32.75	4.008	
5,100.0	5,011.0	5,086.9	4,981.7	18.6	19.1	38.57	115.6	853.8	133.7	100.2	33.53	3.987	
5,200.0	5,108.0	5,186.9	5,078.3	19.1	19.6	38.72	119.2	879.4	136.1	101.8	34.32	3.967	
5,300.0	5,205.1	5,286.9	5,174.8	19.6	20.0	38.87	122.8	905.1	138.6	103.5	35.11	3.947	
5,400.0	5,302.1	5,386.8	5,271.4	20.1	20.5	39.01	126.4	930.7	141.0	105.1	35.90	3.929	
5,500.0	5,399.1	5,486.8	5,368.0	20.5	21.0	39.14	130.0	956.3	143.5	106.8	36.68	3.911	
5,600.0	5,496.1	5,586.8	5,464.5	21.0	21.5	39.28	133.6	981.9	145.9	108.4	37.47	3.894	
5,700.0	5,593.2	5,686.7	5,561.1	21.5	22.0	39.40	137.2	1,007.6	148.4	110.1	38.26	3.877	
5,800.0	5,690.2	5,786.7	5,657.7	22.0	22.4	39.53	140.8	1,033.2	150.8	111.8	39.05	3.862	
5,900.0	5,787.2	5,886.7	5,754.2	22.4	22.9	39.65	144.4	1,058.8	153.3	113.4	39.84	3.846	
6,000.0	5,884.3	5,986.6	5,850.8	22.9	23.4	39.76	148.0	1,084.4	155.7	115.1	40.64	3.832	
6,100.0	5,981.3	6,086.6	5,947.3	23.4	23.9	39.88	151.6	1,110.0	158.2	116.7	41.43	3.818	
6,200.0	6,078.3	6,186.6	6,043.9	23.9	24.4	39.99	155.2	1,135.7	160.6	118.4	42.22	3.804	
6,300.0	6,175.3	6,286.5	6,140.5	24.4	24.9	40.09	158.8	1,161.3	163.1	120.1	43.01	3.791	
6,400.0	6,272.4	6,386.5	6,237.0	24.9	25.4	40.19	162.4	1,186.9	165.5	121.7	43.80	3.779	
6,500.0	6,369.4	6,486.5	6,333.6	25.3	25.9	40.29	166.0	1,212.5	168.0	123.4	44.60	3.766	
6,577.9	6,445.0	6,564.4	6,408.8	25.7	26.2	40.37	168.8	1,232.5	169.9	124.7	45.21	3.758	
6,600.0	6,466.5	6,586.5	6,430.2	25.8	26.3	40.38	169.6	1,238.2	170.5	125.1	45.38	3.757	
6,700.0	6,564.1	6,686.3	6,526.6	26.3	26.8	40.00	173.2	1,263.8	174.9	128.5	46.36	3.771	
6,800.0	6,662.4	6,786.0	6,622.9	26.8	27.3	38.97	176.8	1,289.3	181.9	134.4	47.57	3.825	
6,900.0	6,761.2	6,885.4	6,718.9	27.2	27.8	37.41	180.4	1,314.8	191.8	142.9	48.96	3.919	
7,000.0	6,860.6	6,984.3	6,814.4	27.7	28.3	35.48	183.9	1,340.1	204.7	154.2	50.46	4.057	
7,100.0	6,960.3	7,082.7	6,909.5	28.0	28.8	33.32	187.5	1,365.3	220.7	168.7	52.01	4.243	
7,200.0	7,060.2	7,184.1	7,007.7	28.4	29.3	31.08	191.0	1,390.4	239.1	185.6	53.54	4.467	
7,277.9	7,138.1	7,263.2	7,084.5	28.5	29.7	107.42	193.6	1,408.8	254.7	200.2	54.55	4.669	
7,300.0	7,160.1	7,285.6	7,106.4	28.5	29.8	106.93	194.3	1,413.8	259.3	204.5	54.80	4.731	
7,400.0	7,260.1	7,387.6	7,206.0	28.5	30.2	104.99	197.3	1,435.6	279.0	223.2	55.84	4.997	
7,500.0	7,360.1	7,490.5	7,306.8	28.6	30.7	103.43	200.2	1,455.8	297.4	240.7	56.74	5.242	
7,600.0	7,460.1	7,594.0	7,408.6	28.6	31.2	102.17	202.8	1,474.3	314.3	256.8	57.52	5.465	
7,700.0	7,560.1	7,698.2	7,511.5	28.6	31.7	101.15	205.1	1,491.0	329.6	271.4	58.21	5.663	
7,800.0	7,660.1	7,803.0	7,615.1	28.7	32.1	100.31	207.2	1,506.0	343.3	284.5	58.82	5.837	
7,900.0	7,760.1	7,908.3	7,719.6	28.7	32.6	99.63	209.1	1,519.2	355.4	296.0	59.36	5.986	
8,000.0	7,860.1	8,014.1	7,824.8	28.7	33.0	99.09	210.7	1,530.5	365.7	305.8	59.84	6.111	
8,100.0	7,960.1	8,120.2	7,930.5	28.8	33.4	98.66	212.0	1,539.9	374.2	314.0	60.26	6.211	
8,200.0	8,060.1	8,226.7	8,036.7	28.8	33.8	98.33	213.1	1,547.4	381.1	320.4	60.62	6.286	
8,300.0	8,160.1	8,333.4	8,143.3	28.8	34.2	98.10	213.8	1,553.0	386.1	325.2	60.91	6.339	
8,400.0	8,260.1	8,440.3	8,250.1	28.8	34.5	97.95	214.3	1,556.6	389.4	328.2	61.13	6.369	
8,500.0	8,360.1	8,547.3	8,357.1	28.9	34.7	97.89	214.6	1,558.2	390.8	329.6	61.22	6.384	
8,600.0	8,460.1	8,649.5	8,459.3	28.9	34.8	97.88	214.6	1,558.3	390.9	329.7	61.25	6.383	
8,700.0	8,560.1	8,749.5	8,559.3	28.9	34.8	97.88	214.6	1,558.3	390.9	329.6	61.30	6.377	
8,800.0	8,660.1	8,849.5	8,659.3	29.0	34.8	97.88	214.6	1,558.3	390.9	329.6	61.36	6.371	
8,900.0	8,760.1	8,949.5	8,759.3	29.0	34.9	97.88	214.6	1,558.3	390.9	329.5	61.41	6.365	
9,000.0	8,860.1	9,049.5	8,859.3	29.0	34.9	97.88	214.6	1,558.3	390.9	329.5	61.47	6.360	
9,100.0	8,960.1	9,149.5	8,959.3	29.1	34.9	97.88	214.6	1,558.3	390.9	329.4	61.53	6.354	
9,200.0	9,060.1	9,249.5	9,059.3	29.1	34.9	97.88	214.6	1,558.3	390.9	329.3	61.58	6.348	
9,300.0	9,160.1	9,349.5	9,159.3	29.1	34.9	97.88	214.6	1,558.3	390.9	329.3	61.64	6.342	
9,400.0	9,260.1	9,449.5	9,259.3	29.2	35.0	97.88	214.6	1,558.3	390.9	329.2	61.70	6.336	
9,500.0	9,360.1	9,549.5	9,359.3	29.2	35.0	97.88	214.6	1,558.3	390.9	329.2	61.75	6.330	
9,600.0	9,460.1	9,649.5	9,459.3	29.2	35.0	97.88	214.6	1,558.3	390.9	329.1	61.81	6.324	
9,700.0	9,560.1	9,749.5	9,559.3	29.3	35.0	97.88	214.6	1,558.3	390.9	329.1	61.87	6.318	
9,800.0	9,660.1	9,849.5	9,659.3	29.3	35.1	97.88	214.6	1,558.3	390.9	329.0	61.93	6.312	
9,900.0	9,760.1	9,949.5	9,759.3	29.3	35.1	97.88	214.6	1,558.3	390.9	328.9	61.99	6.306	

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ConocoPhillips
Anticollision Report

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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		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
10,000.0	9,860.1	10,049.5	9,859.3	29.4	35.1	97.88		214.6	1,558.3	390.9	328.9	62.05	6.300
10,100.0	9,960.1	10,149.5	9,959.3	29.4	35.1	97.88		214.6	1,558.3	390.9	328.8	62.11	6.294
10,200.0	10,060.1	10,249.5	10,059.3	29.4	35.2	97.88		214.6	1,558.3	390.9	328.8	62.17	6.288
10,300.0	10,160.1	10,349.5	10,159.3	29.5	35.2	97.88		214.6	1,558.3	390.9	328.7	62.23	6.282
10,400.0	10,260.1	10,449.5	10,259.3	29.5	35.2	97.88		214.6	1,558.3	390.9	328.6	62.29	6.276
10,500.0	10,360.1	10,549.5	10,359.3	29.5	35.3	97.88		214.6	1,558.3	390.9	328.6	62.35	6.270
10,600.0	10,460.1	10,649.5	10,459.3	29.6	35.3	97.88		214.6	1,558.3	390.9	328.5	62.41	6.264
10,700.0	10,560.1	10,749.5	10,559.3	29.6	35.3	97.88		214.6	1,558.3	390.9	328.5	62.47	6.258
10,800.0	10,660.1	10,849.5	10,659.3	29.6	35.3	97.88		214.6	1,558.3	390.9	328.4	62.53	6.251
10,900.0	10,760.1	10,949.5	10,759.3	29.7	35.4	97.88		214.6	1,558.3	390.9	328.3	62.60	6.245
11,000.0	10,860.1	11,049.5	10,859.3	29.7	35.4	97.88		214.6	1,558.3	390.9	328.3	62.66	6.239
11,100.0	10,960.1	11,149.5	10,959.3	29.8	35.4	97.88		214.6	1,558.3	390.9	328.2	62.72	6.233
11,200.0	11,060.1	11,249.5	11,059.3	29.8	35.4	97.88		214.6	1,558.3	390.9	328.1	62.79	6.226
11,273.9	11,134.0	11,323.4	11,133.2	29.8	35.5	97.88		214.6	1,558.3	390.9	328.1	62.83	6.222
11,300.0	11,160.1	11,349.5	11,159.3	29.8	35.5	-81.84		214.6	1,558.3	390.8	328.0	62.86	6.218
11,350.0	11,209.9	11,399.3	11,209.1	29.8	35.5	-82.55		214.6	1,558.3	390.2	327.2	63.02	6.192
11,400.0	11,259.1	11,448.5	11,258.3	29.8	35.5	-83.91		214.6	1,558.3	389.2	325.9	63.31	6.147
11,450.0	11,307.4	11,496.8	11,306.6	29.8	35.5	-85.88		214.6	1,558.3	388.0	324.3	63.70	6.091
11,500.0	11,354.3	11,541.2	11,350.9	29.9	35.5	-87.99		213.0	1,558.4	387.2	323.0	64.17	6.034
11,521.5	11,374.0	11,560.5	11,370.1	29.9	35.5	-88.91		211.3	1,558.5	387.1	322.8	64.35	6.016
11,550.0	11,399.6	11,586.4	11,395.8	29.9	35.5	-90.13		208.0	1,558.7	387.3	322.7	64.54	6.001
11,600.0	11,442.8	11,632.7	11,441.3	29.9	35.5	-92.28		199.1	1,559.2	388.2	323.4	64.76	5.994
11,650.0	11,483.7	11,680.3	11,487.0	29.9	35.5	-94.41		186.3	1,560.1	390.0	325.2	64.84	6.016
11,700.0	11,521.9	11,729.2	11,532.9	29.9	35.5	-96.52		169.1	1,561.1	392.8	328.0	64.76	6.065
11,750.0	11,557.2	11,779.7	11,578.4	29.9	35.5	-98.59		147.5	1,562.5	396.4	331.8	64.54	6.142
11,800.0	11,589.3	11,831.8	11,623.2	29.9	35.6	-100.59		120.9	1,564.2	400.8	336.6	64.19	6.245
11,850.0	11,617.9	11,885.7	11,666.9	30.0	35.6	-102.51		89.3	1,566.2	406.0	342.3	63.72	6.372
11,900.0	11,642.8	11,941.6	11,708.7	30.0	35.6	-104.34		52.4	1,568.5	411.8	348.6	63.17	6.519
11,950.0	11,663.8	11,999.6	11,748.2	30.0	35.6	-106.04		10.0	1,571.1	418.1	355.6	62.57	6.683
12,000.0	11,680.8	12,059.8	11,784.3	30.1	35.6	-107.62		-37.9	1,574.2	424.8	362.8	61.94	6.858
12,050.0	11,693.7	12,122.3	11,816.3	30.1	35.6	-109.04		-91.5	1,577.5	431.6	370.3	61.32	7.039
12,100.0	11,702.2	12,187.1	11,843.2	30.2	35.7	-110.29		-150.3	1,581.2	438.4	377.7	60.73	7.219
12,150.0	11,706.5	12,254.3	11,863.7	30.2	35.7	-111.34		-214.1	1,585.2	445.1	384.9	60.20	7.393
12,173.9	11,707.0	12,287.1	11,871.1	30.2	35.8	-111.77		-246.1	1,587.3	448.1	388.1	59.97	7.472
12,200.0	11,707.0	12,323.7	11,877.0	30.3	35.8	-112.38		-282.1	1,589.5	451.1	391.3	59.75	7.549
12,300.0	11,707.0	12,454.6	11,882.0	30.4	35.9	-112.63		-412.5	1,597.2	457.2	397.6	59.56	7.676
12,400.0	11,707.0	12,570.2	11,882.0	30.6	36.1	-112.54		-528.1	1,599.9	458.7	399.1	59.62	7.694
12,500.0	11,707.0	12,670.2	11,882.0	30.7	36.2	-112.54		-628.1	1,600.6	458.7	398.8	59.91	7.657
12,600.0	11,707.0	12,770.2	11,882.0	30.9	36.4	-112.54		-728.1	1,601.2	458.7	398.5	60.25	7.615
12,700.0	11,707.0	12,870.2	11,882.0	31.1	36.6	-112.54		-828.1	1,601.9	458.7	398.1	60.61	7.569
12,800.0	11,707.0	12,970.2	11,882.0	31.3	36.7	-112.54		-928.1	1,602.5	458.8	397.7	61.02	7.519
12,900.0	11,707.0	13,070.2	11,882.0	31.6	36.9	-112.54		-1,028.1	1,603.2	458.8	397.3	61.45	7.465
13,000.0	11,707.0	13,170.2	11,882.0	31.8	37.2	-112.54		-1,128.1	1,603.8	458.8	396.8	61.92	7.408
13,100.0	11,707.0	13,270.2	11,882.0	32.1	37.4	-112.54		-1,228.1	1,604.5	458.8	396.3	62.43	7.349
13,200.0	11,707.0	13,370.2	11,882.0	32.3	37.6	-112.54		-1,328.1	1,605.1	458.8	395.8	62.97	7.286
13,300.0	11,707.0	13,470.2	11,882.0	32.6	37.9	-112.54		-1,428.1	1,605.7	458.8	395.2	63.53	7.221
13,400.0	11,707.0	13,570.2	11,882.0	32.9	38.2	-112.54		-1,528.1	1,606.4	458.8	394.6	64.13	7.153
13,500.0	11,707.0	13,670.2	11,882.0	33.3	38.4	-112.54		-1,628.1	1,607.0	458.8	394.0	64.76	7.084
13,600.0	11,707.0	13,770.2	11,882.0	33.6	38.7	-112.54		-1,728.1	1,607.7	458.8	393.4	65.42	7.012
13,700.0	11,707.0	13,870.2	11,882.0	33.9	39.0	-112.54		-1,828.1	1,608.3	458.8	392.7	66.11	6.940
13,800.0	11,707.0	13,970.2	11,882.0	34.3	39.4	-112.54		-1,928.1	1,609.0	458.8	392.0	66.82	6.865
13,900.0	11,707.0	14,070.2	11,882.0	34.7	39.7	-112.54		-2,028.1	1,609.6	458.8	391.2	67.56	6.790

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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		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	
14,000.0	11,707.0	14,170.2	11,882.0	35.0	40.0	-112.54	-2,128.1	1,610.3	458.8	390.5	68.33	6.714	
14,100.0	11,707.0	14,270.2	11,882.0	35.4	40.4	-112.54	-2,228.1	1,610.9	458.8	389.7	69.12	6.637	
14,200.0	11,707.0	14,370.2	11,882.0	35.8	40.7	-112.53	-2,328.1	1,611.6	458.8	388.9	69.94	6.560	
14,300.0	11,707.0	14,470.2	11,882.0	36.3	41.1	-112.53	-2,428.1	1,612.2	458.8	388.0	70.78	6.482	
14,400.0	11,707.0	14,570.2	11,882.0	36.7	41.5	-112.53	-2,528.1	1,612.9	458.8	387.2	71.64	6.405	
14,500.0	11,707.0	14,670.2	11,882.0	37.1	41.9	-112.53	-2,628.1	1,613.5	458.8	386.3	72.52	6.327	
14,600.0	11,707.0	14,770.2	11,882.0	37.6	42.3	-112.53	-2,728.1	1,614.2	458.8	385.4	73.42	6.249	
14,700.0	11,707.0	14,870.2	11,882.0	38.0	42.7	-112.53	-2,828.1	1,614.8	458.8	384.5	74.34	6.172	
14,800.0	11,707.0	14,970.2	11,882.0	38.5	43.1	-112.53	-2,928.1	1,615.5	458.8	383.5	75.28	6.094	
14,900.0	11,707.0	15,070.2	11,882.0	39.0	43.5	-112.53	-3,028.1	1,616.1	458.8	382.6	76.24	6.018	
15,000.0	11,707.0	15,170.2	11,882.0	39.4	44.0	-112.53	-3,128.1	1,616.8	458.8	381.6	77.22	5.942	
15,100.0	11,707.0	15,270.2	11,882.0	39.9	44.4	-112.53	-3,228.0	1,617.4	458.8	380.6	78.22	5.866	
15,200.0	11,707.0	15,370.2	11,882.0	40.4	44.9	-112.53	-3,328.0	1,618.1	458.8	379.6	79.23	5.791	
15,300.0	11,707.0	15,470.2	11,882.0	40.9	45.3	-112.53	-3,428.0	1,618.7	458.8	378.6	80.25	5.717	
15,400.0	11,707.0	15,570.2	11,882.0	41.5	45.8	-112.53	-3,528.0	1,619.4	458.8	377.5	81.30	5.644	
15,500.0	11,707.0	15,670.2	11,882.0	42.0	46.3	-112.53	-3,628.0	1,620.0	458.8	376.5	82.35	5.571	
15,600.0	11,707.0	15,770.2	11,882.0	42.5	46.8	-112.53	-3,728.0	1,620.7	458.8	375.4	83.43	5.500	
15,700.0	11,707.0	15,870.2	11,882.0	43.0	47.3	-112.53	-3,828.0	1,621.3	458.8	374.3	84.51	5.429	
15,800.0	11,707.0	15,970.2	11,882.0	43.6	47.8	-112.53	-3,928.0	1,622.0	458.8	373.2	85.61	5.360	
15,900.0	11,707.0	16,070.2	11,882.0	44.1	48.3	-112.53	-4,028.0	1,622.6	458.8	372.1	86.72	5.291	
16,000.0	11,707.0	16,170.2	11,882.0	44.7	48.8	-112.53	-4,128.0	1,623.3	458.8	371.0	87.84	5.224	
16,100.0	11,707.0	16,270.2	11,882.0	45.3	49.3	-112.53	-4,228.0	1,623.9	458.8	369.9	88.97	5.157	
16,200.0	11,707.0	16,370.2	11,882.0	45.8	49.8	-112.53	-4,328.0	1,624.6	458.9	368.7	90.12	5.092	
16,300.0	11,707.0	16,470.2	11,882.0	46.4	50.4	-112.53	-4,428.0	1,625.2	458.9	367.6	91.27	5.027	
16,400.0	11,707.0	16,570.2	11,882.0	47.0	50.9	-112.53	-4,528.0	1,625.9	458.9	366.4	92.44	4.964	
16,500.0	11,707.0	16,670.2	11,882.0	47.6	51.4	-112.53	-4,628.0	1,626.5	458.9	365.2	93.62	4.902	
16,600.0	11,707.0	16,770.2	11,882.0	48.2	52.0	-112.53	-4,728.0	1,627.2	458.9	364.1	94.80	4.840	
16,700.0	11,707.0	16,870.2	11,882.0	48.8	52.5	-112.53	-4,828.0	1,627.8	458.9	362.9	96.00	4.780	
16,800.0	11,707.0	16,970.2	11,882.0	49.4	53.1	-112.53	-4,928.0	1,628.5	458.9	361.7	97.20	4.721	
16,900.0	11,707.0	17,070.2	11,882.0	50.0	53.7	-112.53	-5,028.0	1,629.1	458.9	360.5	98.41	4.663	
17,000.0	11,707.0	17,170.2	11,882.0	50.6	54.2	-112.53	-5,128.0	1,629.8	458.9	359.2	99.63	4.606	
17,100.0	11,707.0	17,270.2	11,882.0	51.2	54.8	-112.53	-5,228.0	1,630.4	458.9	358.0	100.86	4.550	
17,200.0	11,707.0	17,370.2	11,882.0	51.8	55.4	-112.53	-5,328.0	1,631.1	458.9	356.8	102.10	4.495	
17,300.0	11,707.0	17,470.2	11,882.0	52.4	56.0	-112.53	-5,428.0	1,631.7	458.9	355.5	103.34	4.441	
17,400.0	11,707.0	17,570.2	11,882.0	53.0	56.6	-112.53	-5,528.0	1,632.4	458.9	354.3	104.59	4.388	
17,500.0	11,707.0	17,670.2	11,882.0	53.7	57.1	-112.53	-5,628.0	1,633.0	458.9	353.0	105.85	4.335	
17,600.0	11,707.0	17,770.2	11,882.0	54.3	57.7	-112.53	-5,728.0	1,633.7	458.9	351.8	107.11	4.284	
17,700.0	11,707.0	17,870.2	11,882.0	54.9	58.3	-112.53	-5,828.0	1,634.3	458.9	350.5	108.38	4.234	
17,800.0	11,707.0	17,970.2	11,882.0	55.6	58.9	-112.53	-5,928.0	1,635.0	458.9	349.2	109.66	4.185	
17,900.0	11,707.0	18,070.2	11,882.0	56.2	59.5	-112.53	-6,028.0	1,635.6	458.9	348.0	110.94	4.137	
18,000.0	11,707.0	18,170.2	11,882.0	56.9	60.1	-112.53	-6,128.0	1,636.3	458.9	346.7	112.23	4.089	
18,100.0	11,707.0	18,270.2	11,882.0	57.5	60.8	-112.53	-6,228.0	1,636.9	458.9	345.4	113.52	4.043	
18,200.0	11,707.0	18,370.2	11,882.0	58.2	61.4	-112.53	-6,328.0	1,637.6	458.9	344.1	114.82	3.997	
18,300.0	11,707.0	18,470.2	11,882.0	58.8	62.0	-112.53	-6,428.0	1,638.2	458.9	342.8	116.12	3.952	
18,400.0	11,707.0	18,570.2	11,882.0	59.5	62.6	-112.53	-6,528.0	1,638.9	458.9	341.5	117.43	3.908	
18,500.0	11,707.0	18,670.2	11,882.0	60.1	63.2	-112.53	-6,628.0	1,639.5	458.9	340.2	118.75	3.865	
18,600.0	11,707.0	18,770.2	11,882.0	60.8	63.9	-112.53	-6,728.0	1,640.2	458.9	338.9	120.06	3.822	
18,700.0	11,707.0	18,870.2	11,882.0	61.4	64.5	-112.53	-6,828.0	1,640.8	458.9	337.5	121.39	3.781	
18,800.0	11,707.0	18,970.2	11,882.0	62.1	65.1	-112.53	-6,928.0	1,641.5	458.9	336.2	122.71	3.740	
18,900.0	11,707.0	19,070.2	11,882.0	62.8	65.8	-112.53	-7,028.0	1,642.1	458.9	334.9	124.05	3.700	
19,000.0	11,707.0	19,170.2	11,882.0	63.4	66.4	-112.53	-7,128.0	1,642.8	458.9	333.6	125.38	3.660	
19,100.0	11,707.0	19,270.2	11,882.0	64.1	67.1	-112.53	-7,228.0	1,643.4	458.9	332.2	126.72	3.622	

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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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							Rule Assigned:				Offset Well Error:	3.0 usft
Measured Depth	Vertical	Measured	Vertical	Reference	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
19,200.0	11,707.0	19,370.2	11,882.0	64.8	67.7	-112.53	-7,328.0	1,644.1	458.9	330.9	128.07	3.584		
19,300.0	11,707.0	19,470.2	11,882.0	65.5	68.3	-112.53	-7,428.0	1,644.7	458.9	329.5	129.41	3.546		
19,400.0	11,707.0	19,570.2	11,882.0	66.1	69.0	-112.53	-7,528.0	1,645.4	458.9	328.2	130.76	3.510		
19,500.0	11,707.0	19,670.2	11,882.0	66.8	69.6	-112.53	-7,628.0	1,646.0	458.9	326.8	132.12	3.474		
19,600.0	11,707.0	19,770.2	11,882.0	67.5	70.3	-112.53	-7,728.0	1,646.7	459.0	325.5	133.48	3.438		
19,700.0	11,707.0	19,870.2	11,882.0	68.2	71.0	-112.53	-7,828.0	1,647.3	459.0	324.1	134.84	3.404		
19,800.0	11,707.0	19,970.2	11,882.0	68.9	71.6	-112.53	-7,927.9	1,648.0	459.0	322.8	136.20	3.370		
19,900.0	11,707.0	20,070.2	11,882.0	69.6	72.3	-112.53	-8,027.9	1,648.6	459.0	321.4	137.57	3.336		
20,000.0	11,707.0	20,170.2	11,882.0	70.2	72.9	-112.53	-8,127.9	1,649.3	459.0	320.0	138.94	3.303		
20,100.0	11,707.0	20,270.2	11,882.0	70.9	73.6	-112.53	-8,227.9	1,649.9	459.0	318.7	140.31	3.271		
20,200.0	11,707.0	20,370.2	11,882.0	71.6	74.3	-112.53	-8,327.9	1,650.6	459.0	317.3	141.69	3.239		
20,300.0	11,707.0	20,470.2	11,882.0	72.3	74.9	-112.53	-8,427.9	1,651.2	459.0	315.9	143.07	3.208		
20,400.0	11,707.0	20,570.2	11,882.0	73.0	75.6	-112.53	-8,527.9	1,651.9	459.0	314.5	144.45	3.177		
20,500.0	11,707.0	20,670.2	11,882.0	73.7	76.3	-112.53	-8,627.9	1,652.5	459.0	313.1	145.83	3.147		
20,600.0	11,707.0	20,770.2	11,882.0	74.4	76.9	-112.53	-8,727.9	1,653.2	459.0	311.8	147.22	3.118		
20,700.0	11,707.0	20,870.2	11,882.0	75.1	77.6	-112.52	-8,827.9	1,653.8	459.0	310.4	148.61	3.089		
20,800.0	11,707.0	20,970.2	11,882.0	75.8	78.3	-112.52	-8,927.9	1,654.5	459.0	309.0	150.00	3.060		
20,900.0	11,707.0	21,070.2	11,882.0	76.5	79.0	-112.52	-9,027.9	1,655.1	459.0	307.6	151.39	3.032		
21,000.0	11,707.0	21,170.2	11,882.0	77.2	79.7	-112.52	-9,127.9	1,655.8	459.0	306.2	152.79	3.004		
21,100.0	11,707.0	21,270.2	11,882.0	77.9	80.3	-112.52	-9,227.9	1,656.4	459.0	304.8	154.19	2.977		
21,200.0	11,707.0	21,370.2	11,882.0	78.6	81.0	-112.52	-9,327.9	1,657.1	459.0	303.4	155.59	2.950		
21,300.0	11,707.0	21,470.2	11,882.0	79.3	81.7	-112.52	-9,427.9	1,657.7	459.0	302.0	156.99	2.924		
21,400.0	11,707.0	21,570.2	11,882.0	80.0	82.4	-112.52	-9,527.9	1,658.4	459.0	300.6	158.39	2.898		
21,500.0	11,707.0	21,670.2	11,882.0	80.7	83.1	-112.52	-9,627.9	1,659.0	459.0	299.2	159.80	2.872		
21,600.0	11,707.0	21,770.2	11,882.0	81.4	83.8	-112.52	-9,727.9	1,659.7	459.0	297.8	161.21	2.847		
21,618.1	11,707.0	21,788.4	11,882.0	81.6	83.9	-112.52	-9,746.0	1,659.8	459.0	297.6	161.46	2.843		
21,668.1	11,707.0	21,838.4	11,882.0	81.9	84.2	-112.52	-9,796.0	1,660.1	459.0	296.8	162.16	2.831 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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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 @ 3200.2usft

Offset Depths are relative to Offset Datum

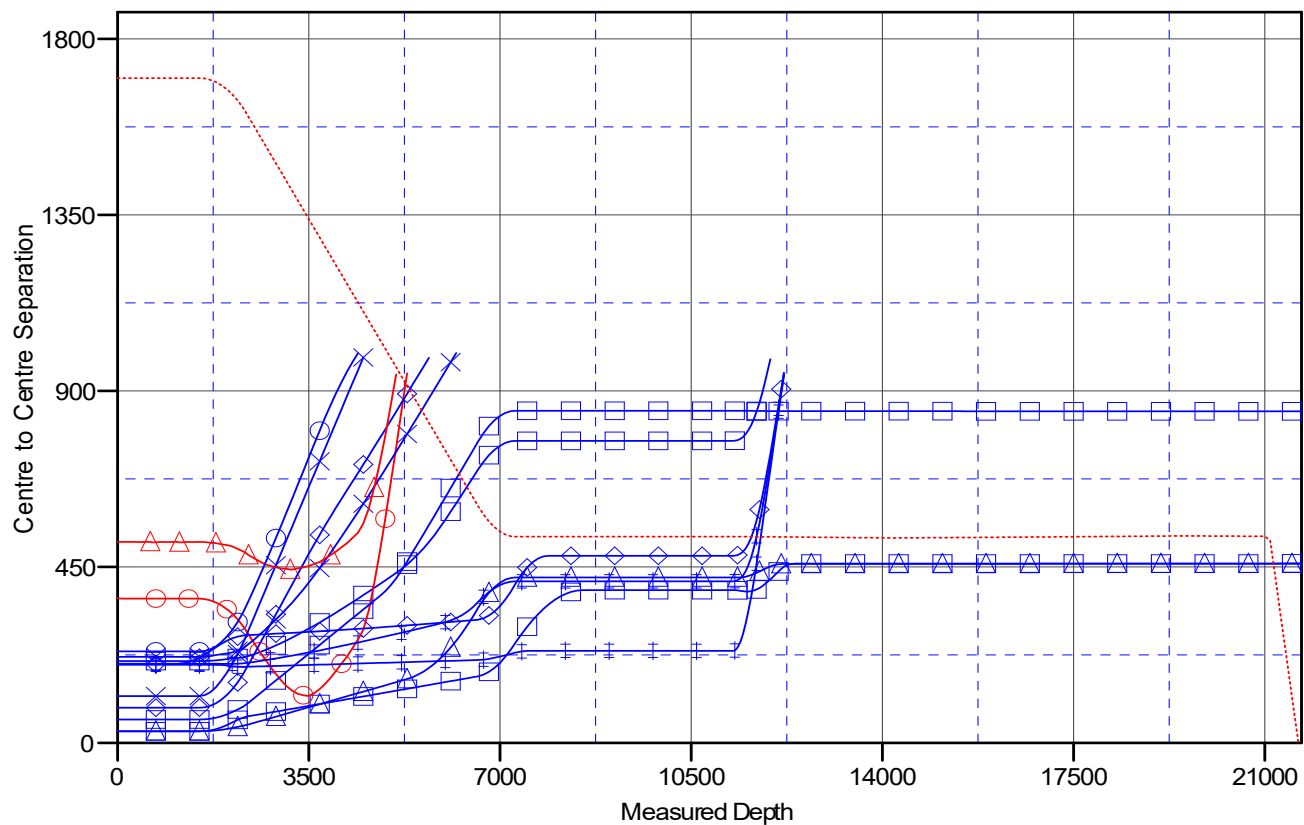
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #763H

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

ZIA HILLS UNIT 1932 WC #711H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #759H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #761H OWB, PWP1 V0
CONOCO FEDERAL #2 OWB, AWP V0	ZIA HILLS UNIT 1932 WC #710H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #709H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #760H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #764H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #714H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0	RUSSELL 19 FEDERAL #2 (P&A) OWB, AWP V0	
ZIA HILLS UNIT 1932 WC #713H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #712H 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 #763H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3200.2usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3200.2usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #763H	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 @ 3200.2usft

Offset Depths are relative to Offset Datum

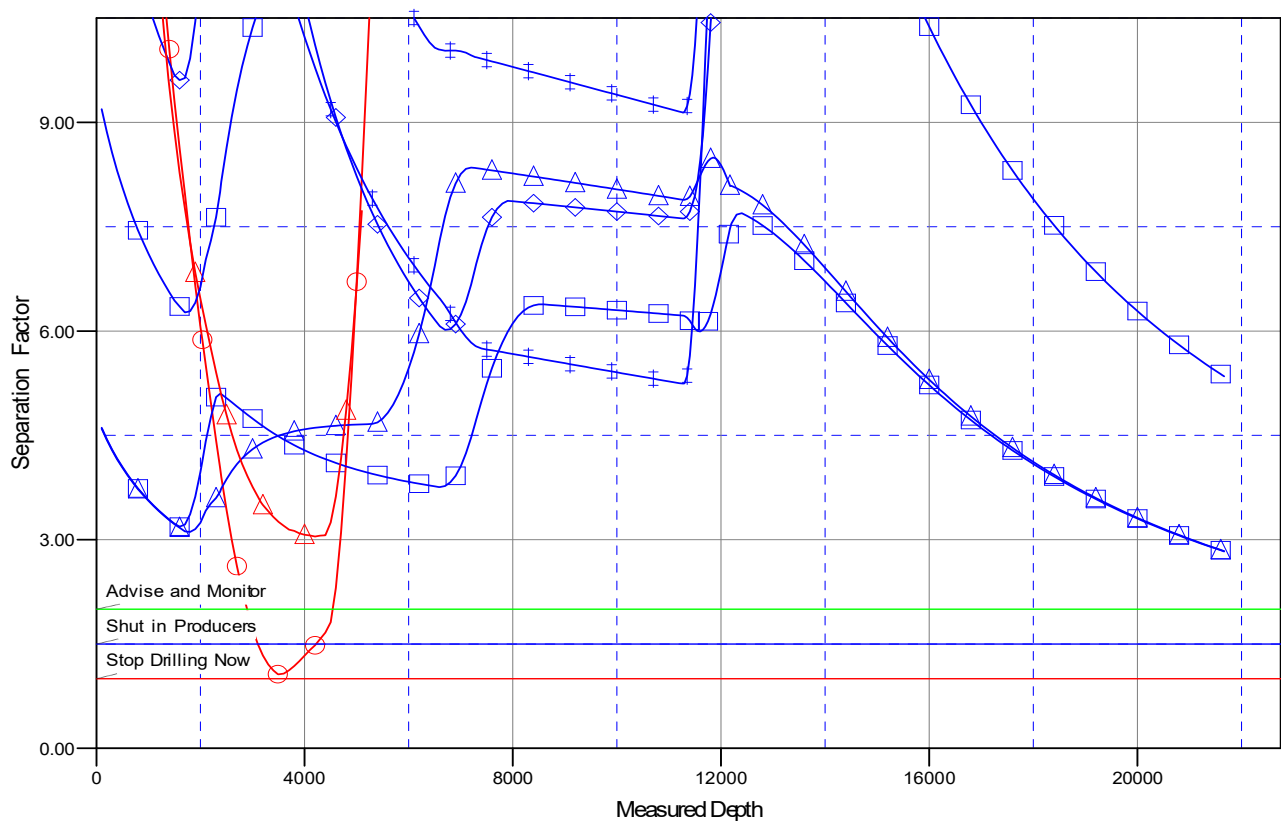
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #763H

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

Grid Convergence at Surface is: 0.33°

Separation Factor Plot



LEGEND

ZIA HILLS UNIT 1932 WC #711H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #759H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #761H OWB, PWP1 V0
CONOCO FEDERAL #2, OWB, AWP V0	ZIA HILLS UNIT 1932 WC #710H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #709H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #760H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #764H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #714H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0	RUSSELL 19 FEDERAL #2 (P&A), OWB, AWP V0	
ZIA HILLS UNIT 1932 WC #713H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #712H OWB, PWP1 V0	

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 1932 PROJECT

ZIA HILLS UNIT 1932 WC #763H

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 #763H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3200.2usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3200.2usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #763H	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 #763H		
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' 37.854 N
		Longitude:	103° 42' 42.634 W
		Ground Level:	3,170.2 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2023	8/1/2024	6.28	59.51	47,172.05628219

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	172.81	

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	11,273.9 PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
3	11,273.9	21,668.1 PWP1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-St	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3200.2usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3200.2usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #763H	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	60.00	2,031.6	18.6	32.2	1.50	1.50	0.00	60.00	
2,375.5	14.00	78.00	2,367.5	39.1	93.4	2.00	1.75	5.26	38.85	
6,577.9	14.00	78.00	6,445.0	250.5	1,087.8	0.00	0.00	0.00	0.00	
7,277.9	0.00	0.00	7,138.1	268.2	1,171.0	2.00	-2.00	0.00	180.00	
11,273.9	0.00	0.00	11,134.0	268.2	1,171.0	0.00	0.00	0.00	0.00	
12,173.9	90.00	179.63	11,707.0	-304.8	1,174.7	10.00	10.00	19.96	179.63	
21,618.1	90.00	179.63	11,707.0	-9,748.8	1,235.8	0.00	0.00	0.00	0.00	
21,668.1	90.00	179.63	11,707.0	-9,798.8	1,236.1	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 #763H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3200.2usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3200.2usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #763H	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	60.00	1,600.0	0.7	1.1	-0.5	1.50	1.50	0.00
1,700.0	3.00	60.00	1,699.9	2.6	4.5	-2.0	1.50	1.50	0.00
1,800.0	4.50	60.00	1,799.7	5.9	10.2	-4.6	1.50	1.50	0.00
1,900.0	6.00	60.00	1,899.3	10.5	18.1	-8.1	1.50	1.50	0.00
2,000.0	7.50	60.00	1,998.6	16.3	28.3	-12.7	1.50	1.50	0.00
2,033.3	8.00	60.00	2,031.6	18.6	32.2	-14.4	1.50	1.50	0.00
Start DLS 2.00 TFO 38.85									
2,100.0	9.08	65.31	2,097.5	23.1	41.0	-17.8	2.00	1.62	7.96
2,200.0	10.80	71.23	2,196.0	29.4	57.0	-22.0	2.00	1.72	5.92
2,300.0	12.60	75.50	2,293.9	35.2	76.5	-25.3	2.00	1.80	4.27
2,375.5	14.00	78.00	2,367.5	39.1	93.4	-27.1	2.00	1.85	3.31
Start 4202.4 hold at 2375.5 MD									
2,400.0	14.00	78.00	2,391.2	40.4	99.2	-27.6	0.00	0.00	0.00
2,500.0	14.00	78.00	2,488.2	45.4	122.8	-29.7	0.00	0.00	0.00
2,600.0	14.00	78.00	2,585.3	50.4	146.5	-31.7	0.00	0.00	0.00
2,700.0	14.00	78.00	2,682.3	55.4	170.2	-33.7	0.00	0.00	0.00
2,800.0	14.00	78.00	2,779.3	60.5	193.8	-35.7	0.00	0.00	0.00
2,900.0	14.00	78.00	2,876.3	65.5	217.5	-37.8	0.00	0.00	0.00
3,000.0	14.00	78.00	2,973.4	70.5	241.1	-39.8	0.00	0.00	0.00
3,100.0	14.00	78.00	3,070.4	75.6	264.8	-41.8	0.00	0.00	0.00
3,200.0	14.00	78.00	3,167.4	80.6	288.5	-43.9	0.00	0.00	0.00
3,300.0	14.00	78.00	3,264.5	85.6	312.1	-45.9	0.00	0.00	0.00
3,400.0	14.00	78.00	3,361.5	90.7	335.8	-47.9	0.00	0.00	0.00
3,500.0	14.00	78.00	3,458.5	95.7	359.5	-49.9	0.00	0.00	0.00
3,600.0	14.00	78.00	3,555.5	100.7	383.1	-52.0	0.00	0.00	0.00
3,700.0	14.00	78.00	3,652.6	105.7	406.8	-54.0	0.00	0.00	0.00
3,800.0	14.00	78.00	3,749.6	110.8	430.5	-56.0	0.00	0.00	0.00
3,900.0	14.00	78.00	3,846.6	115.8	454.1	-58.1	0.00	0.00	0.00
4,000.0	14.00	78.00	3,943.7	120.8	477.8	-60.1	0.00	0.00	0.00
4,100.0	14.00	78.00	4,040.7	125.9	501.4	-62.1	0.00	0.00	0.00
4,200.0	14.00	78.00	4,137.7	130.9	525.1	-64.1	0.00	0.00	0.00
4,300.0	14.00	78.00	4,234.8	135.9	548.8	-66.2	0.00	0.00	0.00
4,400.0	14.00	78.00	4,331.8	141.0	572.4	-68.2	0.00	0.00	0.00
4,500.0	14.00	78.00	4,428.8	146.0	596.1	-70.2	0.00	0.00	0.00
4,600.0	14.00	78.00	4,525.8	151.0	619.8	-72.3	0.00	0.00	0.00
4,700.0	14.00	78.00	4,622.9	156.0	643.4	-74.3	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 #763H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3200.2usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3200.2usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #763H	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	14.00	78.00	4,719.9	161.1	667.1	-76.3	0.00	0.00	0.00
4,900.0	14.00	78.00	4,816.9	166.1	690.8	-78.3	0.00	0.00	0.00
5,000.0	14.00	78.00	4,914.0	171.1	714.4	-80.4	0.00	0.00	0.00
5,100.0	14.00	78.00	5,011.0	176.2	738.1	-82.4	0.00	0.00	0.00
5,200.0	14.00	78.00	5,108.0	181.2	761.7	-84.4	0.00	0.00	0.00
5,300.0	14.00	78.00	5,205.1	186.2	785.4	-86.5	0.00	0.00	0.00
5,400.0	14.00	78.00	5,302.1	191.2	809.1	-88.5	0.00	0.00	0.00
5,500.0	14.00	78.00	5,399.1	196.3	832.7	-90.5	0.00	0.00	0.00
5,600.0	14.00	78.00	5,496.1	201.3	856.4	-92.5	0.00	0.00	0.00
5,700.0	14.00	78.00	5,593.2	206.3	880.1	-94.6	0.00	0.00	0.00
5,800.0	14.00	78.00	5,690.2	211.4	903.7	-96.6	0.00	0.00	0.00
5,900.0	14.00	78.00	5,787.2	216.4	927.4	-98.6	0.00	0.00	0.00
6,000.0	14.00	78.00	5,884.3	221.4	951.1	-100.7	0.00	0.00	0.00
6,100.0	14.00	78.00	5,981.3	226.5	974.7	-102.7	0.00	0.00	0.00
6,200.0	14.00	78.00	6,078.3	231.5	998.4	-104.7	0.00	0.00	0.00
6,300.0	14.00	78.00	6,175.3	236.5	1,022.0	-106.7	0.00	0.00	0.00
6,400.0	14.00	78.00	6,272.4	241.5	1,045.7	-108.8	0.00	0.00	0.00
6,500.0	14.00	78.00	6,369.4	246.6	1,069.4	-110.8	0.00	0.00	0.00
6,577.9	14.00	78.00	6,445.0	250.5	1,087.8	-112.4	0.00	0.00	0.00
Start Drop -2.00									
6,600.0	13.56	78.00	6,466.5	251.6	1,093.0	-112.8	2.00	-2.00	0.00
6,700.0	11.56	78.00	6,564.1	256.1	1,114.2	-114.6	2.00	-2.00	0.00
6,800.0	9.56	78.00	6,662.4	259.9	1,132.1	-116.2	2.00	-2.00	0.00
6,900.0	7.56	78.00	6,761.2	263.0	1,146.7	-117.4	2.00	-2.00	0.00
7,000.0	5.56	78.00	6,860.6	265.4	1,157.9	-118.4	2.00	-2.00	0.00
7,100.0	3.56	78.00	6,960.3	267.0	1,165.6	-119.1	2.00	-2.00	0.00
7,200.0	1.56	78.00	7,060.2	268.0	1,170.0	-119.4	2.00	-2.00	0.00
7,277.9	0.00	0.00	7,138.1	268.2	1,171.0	-119.5	2.00	-2.00	0.00
Start 3996.0 hold at 7277.9 MD									
7,300.0	0.00	0.00	7,160.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
7,400.0	0.00	0.00	7,260.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
7,500.0	0.00	0.00	7,360.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,460.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
7,700.0	0.00	0.00	7,560.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,660.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
7,900.0	0.00	0.00	7,760.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,860.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,100.0	0.00	0.00	7,960.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,200.0	0.00	0.00	8,060.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,300.0	0.00	0.00	8,160.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,260.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,360.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,460.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,560.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,800.0	0.00	0.00	8,660.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
8,900.0	0.00	0.00	8,760.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,860.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,100.0	0.00	0.00	8,960.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,200.0	0.00	0.00	9,060.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,300.0	0.00	0.00	9,160.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,400.0	0.00	0.00	9,260.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,500.0	0.00	0.00	9,360.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,600.0	0.00	0.00	9,460.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,700.0	0.00	0.00	9,560.1	268.2	1,171.0	-119.5	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 #763H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3200.2usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3200.2usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #763H	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	9,660.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
9,900.0	0.00	0.00	9,760.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,000.0	0.00	0.00	9,860.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,100.0	0.00	0.00	9,960.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,200.0	0.00	0.00	10,060.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,300.0	0.00	0.00	10,160.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,400.0	0.00	0.00	10,260.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,500.0	0.00	0.00	10,360.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,600.0	0.00	0.00	10,460.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,700.0	0.00	0.00	10,560.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,800.0	0.00	0.00	10,660.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
10,900.0	0.00	0.00	10,760.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
11,000.0	0.00	0.00	10,860.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
11,100.0	0.00	0.00	10,960.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
11,200.0	0.00	0.00	11,060.1	268.2	1,171.0	-119.5	0.00	0.00	0.00
11,273.9	0.00	0.00	11,134.0	268.2	1,171.0	-119.5	0.00	0.00	0.00
Start DLS 10.00 TFO 179.63									
11,300.0	2.61	179.63	11,160.1	267.6	1,171.0	-118.9	10.00	10.00	0.00
11,350.0	7.61	179.63	11,209.9	263.1	1,171.1	-114.5	10.00	10.00	0.00
11,400.0	12.61	179.63	11,259.1	254.4	1,171.1	-105.8	10.00	10.00	0.00
11,450.0	17.61	179.63	11,307.4	241.3	1,171.2	-92.9	10.00	10.00	0.00
11,500.0	22.61	179.63	11,354.3	224.2	1,171.3	-75.8	10.00	10.00	0.00
11,550.0	27.61	179.63	11,399.6	202.9	1,171.5	-54.7	10.00	10.00	0.00
11,600.0	32.61	179.63	11,442.8	177.9	1,171.6	-29.8	10.00	10.00	0.00
11,650.0	37.61	179.63	11,483.7	149.1	1,171.8	-1.3	10.00	10.00	0.00
11,700.0	42.61	179.63	11,521.9	116.9	1,172.0	30.7	10.00	10.00	0.00
11,750.0	47.61	179.63	11,557.2	81.5	1,172.2	65.8	10.00	10.00	0.00
11,800.0	52.61	179.63	11,589.3	43.2	1,172.5	103.9	10.00	10.00	0.00
11,850.0	57.61	179.63	11,617.9	2.2	1,172.8	144.6	10.00	10.00	0.00
11,900.0	62.61	179.63	11,642.8	-41.2	1,173.0	187.7	10.00	10.00	0.00
11,950.0	67.61	179.63	11,663.8	-86.5	1,173.3	232.7	10.00	10.00	0.00
12,000.0	72.61	179.63	11,680.8	-133.5	1,173.6	279.4	10.00	10.00	0.00
12,050.0	77.61	179.63	11,693.7	-181.8	1,174.0	327.3	10.00	10.00	0.00
12,100.0	82.61	179.63	11,702.2	-231.1	1,174.3	376.2	10.00	10.00	0.00
12,150.0	87.61	179.63	11,706.5	-280.9	1,174.6	425.7	10.00	10.00	0.00
12,173.9	90.00	179.63	11,707.0	-304.8	1,174.7	449.4	10.00	10.00	0.00
Start 9444.2 hold at 12173.9 MD									
12,200.0	90.00	179.63	11,707.0	-330.9	1,174.9	475.3	0.00	0.00	0.00
12,300.0	90.00	179.63	11,707.0	-430.9	1,175.6	574.6	0.00	0.00	0.00
12,400.0	90.00	179.63	11,707.0	-530.9	1,176.2	673.9	0.00	0.00	0.00
12,500.0	90.00	179.63	11,707.0	-630.9	1,176.9	773.2	0.00	0.00	0.00
12,600.0	90.00	179.63	11,707.0	-730.9	1,177.5	872.5	0.00	0.00	0.00
12,700.0	90.00	179.63	11,707.0	-830.9	1,178.1	971.8	0.00	0.00	0.00
12,800.0	90.00	179.63	11,707.0	-930.8	1,178.8	1,071.1	0.00	0.00	0.00
12,900.0	90.00	179.63	11,707.0	-1,030.8	1,179.4	1,170.4	0.00	0.00	0.00
13,000.0	90.00	179.63	11,707.0	-1,130.8	1,180.1	1,269.6	0.00	0.00	0.00
13,100.0	90.00	179.63	11,707.0	-1,230.8	1,180.7	1,368.9	0.00	0.00	0.00
13,200.0	90.00	179.63	11,707.0	-1,330.8	1,181.4	1,468.2	0.00	0.00	0.00
13,300.0	90.00	179.63	11,707.0	-1,430.8	1,182.0	1,567.5	0.00	0.00	0.00
13,400.0	90.00	179.63	11,707.0	-1,530.8	1,182.7	1,666.8	0.00	0.00	0.00
13,500.0	90.00	179.63	11,707.0	-1,630.8	1,183.3	1,766.1	0.00	0.00	0.00
13,600.0	90.00	179.63	11,707.0	-1,730.8	1,184.0	1,865.4	0.00	0.00	0.00
13,700.0	90.00	179.63	11,707.0	-1,830.8	1,184.6	1,964.7	0.00	0.00	0.00
13,800.0	90.00	179.63	11,707.0	-1,930.8	1,185.3	2,064.0	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 #763H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3200.2usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3200.2usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #763H	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	179.63	11,707.0	-2,030.8	1,185.9	2,163.3	0.00	0.00	0.00
14,000.0	90.00	179.63	11,707.0	-2,130.8	1,186.5	2,262.6	0.00	0.00	0.00
14,100.0	90.00	179.63	11,707.0	-2,230.8	1,187.2	2,361.9	0.00	0.00	0.00
14,200.0	90.00	179.63	11,707.0	-2,330.8	1,187.8	2,461.2	0.00	0.00	0.00
14,300.0	90.00	179.63	11,707.0	-2,430.8	1,188.5	2,560.4	0.00	0.00	0.00
14,400.0	90.00	179.63	11,707.0	-2,530.8	1,189.1	2,659.7	0.00	0.00	0.00
14,500.0	90.00	179.63	11,707.0	-2,630.8	1,189.8	2,759.0	0.00	0.00	0.00
14,600.0	90.00	179.63	11,707.0	-2,730.8	1,190.4	2,858.3	0.00	0.00	0.00
14,700.0	90.00	179.63	11,707.0	-2,830.8	1,191.1	2,957.6	0.00	0.00	0.00
14,800.0	90.00	179.63	11,707.0	-2,930.8	1,191.7	3,056.9	0.00	0.00	0.00
14,900.0	90.00	179.63	11,707.0	-3,030.8	1,192.4	3,156.2	0.00	0.00	0.00
15,000.0	90.00	179.63	11,707.0	-3,130.8	1,193.0	3,255.5	0.00	0.00	0.00
15,100.0	90.00	179.63	11,707.0	-3,230.8	1,193.7	3,354.8	0.00	0.00	0.00
15,200.0	90.00	179.63	11,707.0	-3,330.8	1,194.3	3,454.1	0.00	0.00	0.00
15,300.0	90.00	179.63	11,707.0	-3,430.8	1,195.0	3,553.4	0.00	0.00	0.00
15,400.0	90.00	179.63	11,707.0	-3,530.8	1,195.6	3,652.7	0.00	0.00	0.00
15,500.0	90.00	179.63	11,707.0	-3,630.8	1,196.2	3,752.0	0.00	0.00	0.00
15,600.0	90.00	179.63	11,707.0	-3,730.8	1,196.9	3,851.3	0.00	0.00	0.00
15,700.0	90.00	179.63	11,707.0	-3,830.8	1,197.5	3,950.5	0.00	0.00	0.00
15,800.0	90.00	179.63	11,707.0	-3,930.8	1,198.2	4,049.8	0.00	0.00	0.00
15,900.0	90.00	179.63	11,707.0	-4,030.8	1,198.8	4,149.1	0.00	0.00	0.00
16,000.0	90.00	179.63	11,707.0	-4,130.8	1,199.5	4,248.4	0.00	0.00	0.00
16,100.0	90.00	179.63	11,707.0	-4,230.8	1,200.1	4,347.7	0.00	0.00	0.00
16,200.0	90.00	179.63	11,707.0	-4,330.8	1,200.8	4,447.0	0.00	0.00	0.00
16,300.0	90.00	179.63	11,707.0	-4,430.8	1,201.4	4,546.3	0.00	0.00	0.00
16,400.0	90.00	179.63	11,707.0	-4,530.8	1,202.1	4,645.6	0.00	0.00	0.00
16,500.0	90.00	179.63	11,707.0	-4,630.8	1,202.7	4,744.9	0.00	0.00	0.00
16,600.0	90.00	179.63	11,707.0	-4,730.8	1,203.4	4,844.2	0.00	0.00	0.00
16,700.0	90.00	179.63	11,707.0	-4,830.8	1,204.0	4,943.5	0.00	0.00	0.00
16,800.0	90.00	179.63	11,707.0	-4,930.8	1,204.6	5,042.8	0.00	0.00	0.00
16,900.0	90.00	179.63	11,707.0	-5,030.8	1,205.3	5,142.1	0.00	0.00	0.00
17,000.0	90.00	179.63	11,707.0	-5,130.8	1,205.9	5,241.3	0.00	0.00	0.00
17,100.0	90.00	179.63	11,707.0	-5,230.8	1,206.6	5,340.6	0.00	0.00	0.00
17,200.0	90.00	179.63	11,707.0	-5,330.8	1,207.2	5,439.9	0.00	0.00	0.00
17,300.0	90.00	179.63	11,707.0	-5,430.8	1,207.9	5,539.2	0.00	0.00	0.00
17,400.0	90.00	179.63	11,707.0	-5,530.8	1,208.5	5,638.5	0.00	0.00	0.00
17,500.0	90.00	179.63	11,707.0	-5,630.8	1,209.2	5,737.8	0.00	0.00	0.00
17,600.0	90.00	179.63	11,707.0	-5,730.7	1,209.8	5,837.1	0.00	0.00	0.00
17,700.0	90.00	179.63	11,707.0	-5,830.7	1,210.5	5,936.4	0.00	0.00	0.00
17,800.0	90.00	179.63	11,707.0	-5,930.7	1,211.1	6,035.7	0.00	0.00	0.00
17,900.0	90.00	179.63	11,707.0	-6,030.7	1,211.8	6,135.0	0.00	0.00	0.00
18,000.0	90.00	179.63	11,707.0	-6,130.7	1,212.4	6,234.3	0.00	0.00	0.00
18,100.0	90.00	179.63	11,707.0	-6,230.7	1,213.1	6,333.6	0.00	0.00	0.00
18,200.0	90.00	179.63	11,707.0	-6,330.7	1,213.7	6,432.9	0.00	0.00	0.00
18,300.0	90.00	179.63	11,707.0	-6,430.7	1,214.3	6,532.2	0.00	0.00	0.00
18,400.0	90.00	179.63	11,707.0	-6,530.7	1,215.0	6,631.4	0.00	0.00	0.00
18,500.0	90.00	179.63	11,707.0	-6,630.7	1,215.6	6,730.7	0.00	0.00	0.00
18,600.0	90.00	179.63	11,707.0	-6,730.7	1,216.3	6,830.0	0.00	0.00	0.00
18,700.0	90.00	179.63	11,707.0	-6,830.7	1,216.9	6,929.3	0.00	0.00	0.00
18,800.0	90.00	179.63	11,707.0	-6,930.7	1,217.6	7,028.6	0.00	0.00	0.00
18,900.0	90.00	179.63	11,707.0	-7,030.7	1,218.2	7,127.9	0.00	0.00	0.00
19,000.0	90.00	179.63	11,707.0	-7,130.7	1,218.9	7,227.2	0.00	0.00	0.00
19,100.0	90.00	179.63	11,707.0	-7,230.7	1,219.5	7,326.5	0.00	0.00	0.00
19,200.0	90.00	179.63	11,707.0	-7,330.7	1,220.2	7,425.8	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 #763H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3200.2usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3200.2usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #763H	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	179.63	11,707.0	-7,430.7	1,220.8	7,525.1	0.00	0.00	0.00
19,400.0	90.00	179.63	11,707.0	-7,530.7	1,221.5	7,624.4	0.00	0.00	0.00
19,500.0	90.00	179.63	11,707.0	-7,630.7	1,222.1	7,723.7	0.00	0.00	0.00
19,600.0	90.00	179.63	11,707.0	-7,730.7	1,222.7	7,823.0	0.00	0.00	0.00
19,700.0	90.00	179.63	11,707.0	-7,830.7	1,223.4	7,922.2	0.00	0.00	0.00
19,800.0	90.00	179.63	11,707.0	-7,930.7	1,224.0	8,021.5	0.00	0.00	0.00
19,900.0	90.00	179.63	11,707.0	-8,030.7	1,224.7	8,120.8	0.00	0.00	0.00
20,000.0	90.00	179.63	11,707.0	-8,130.7	1,225.3	8,220.1	0.00	0.00	0.00
20,100.0	90.00	179.63	11,707.0	-8,230.7	1,226.0	8,319.4	0.00	0.00	0.00
20,200.0	90.00	179.63	11,707.0	-8,330.7	1,226.6	8,418.7	0.00	0.00	0.00
20,300.0	90.00	179.63	11,707.0	-8,430.7	1,227.3	8,518.0	0.00	0.00	0.00
20,400.0	90.00	179.63	11,707.0	-8,530.7	1,227.9	8,617.3	0.00	0.00	0.00
20,500.0	90.00	179.63	11,707.0	-8,630.7	1,228.6	8,716.6	0.00	0.00	0.00
20,600.0	90.00	179.63	11,707.0	-8,730.7	1,229.2	8,815.9	0.00	0.00	0.00
20,700.0	90.00	179.63	11,707.0	-8,830.7	1,229.9	8,915.2	0.00	0.00	0.00
20,800.0	90.00	179.63	11,707.0	-8,930.7	1,230.5	9,014.5	0.00	0.00	0.00
20,900.0	90.00	179.63	11,707.0	-9,030.7	1,231.1	9,113.8	0.00	0.00	0.00
21,000.0	90.00	179.63	11,707.0	-9,130.7	1,231.8	9,213.1	0.00	0.00	0.00
21,100.0	90.00	179.63	11,707.0	-9,230.7	1,232.4	9,312.3	0.00	0.00	0.00
21,200.0	90.00	179.63	11,707.0	-9,330.7	1,233.1	9,411.6	0.00	0.00	0.00
21,300.0	90.00	179.63	11,707.0	-9,430.7	1,233.7	9,510.9	0.00	0.00	0.00
21,400.0	90.00	179.63	11,707.0	-9,530.7	1,234.4	9,610.2	0.00	0.00	0.00
21,500.0	90.00	179.63	11,707.0	-9,630.7	1,235.0	9,709.5	0.00	0.00	0.00
21,600.0	90.00	179.63	11,707.0	-9,730.7	1,235.7	9,808.8	0.00	0.00	0.00
21,618.1	90.00	179.63	11,707.0	-9,748.8	1,235.8	9,826.8	0.00	0.00	0.00
Start 50.0 hold at 21618.1 MD									
21,668.1	90.00	179.63	11,707.0	-9,798.8	1,236.1	9,876.4	0.00	0.00	0.00
TD at 21668.1									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (ZHU 1932 WC #763H)	0.00	179.63	11,707.0	-9,798.8	1,236.1	364,370.09	693,839.66	32° 0' 0.813 N	103° 42' 28.934 W
- plan hits target center									
- Rectangle (sides W100.0 H10,077.2 D20.0)									
LTP (ZHU 1932 WC #763H)	0.00	0.00	11,707.0	-9,748.8	1,235.8	364,420.09	693,839.37	32° 0' 1.308 N	103° 42' 28.934 W
- plan hits target center									
- Point									
FTP (ZHU 1932 WC #763H)	0.00	0.00	11,707.0	278.3	1,170.6	374,447.21	693,774.18	32° 1' 40.542 N	103° 42' 29.018 W
- plan misses target center by 244.6usft at 11716.2usft MD (11533.7 TVD, 105.8 N, 1172.1 E)									
- Circle (radius 50.0)									

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #763H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3200.2usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3200.2usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #763H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

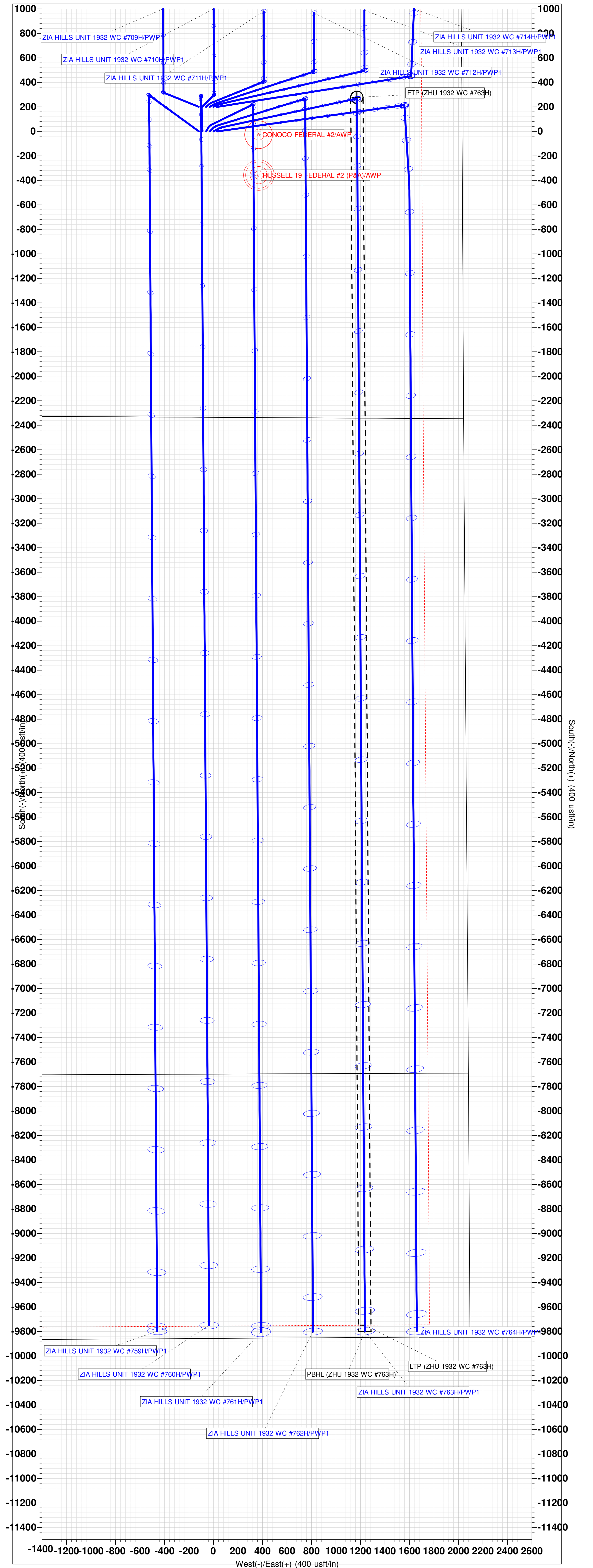
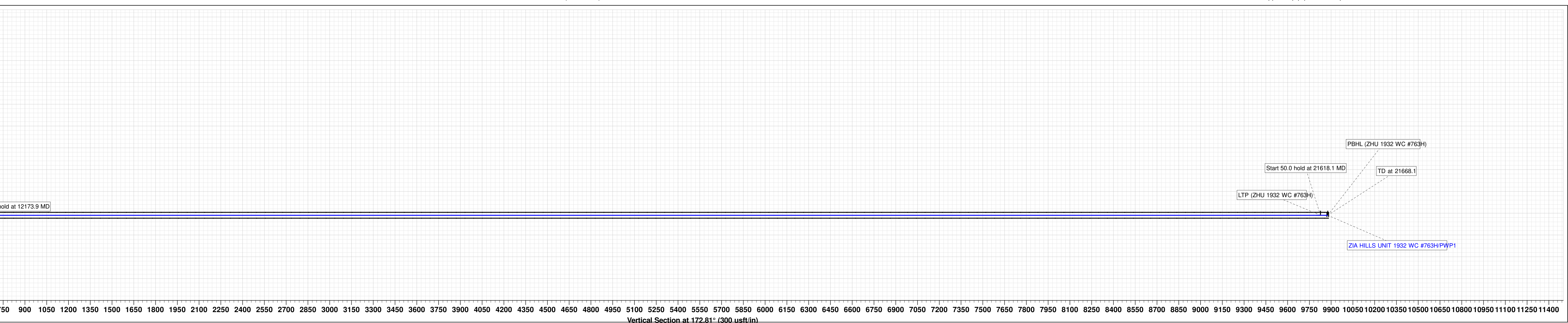
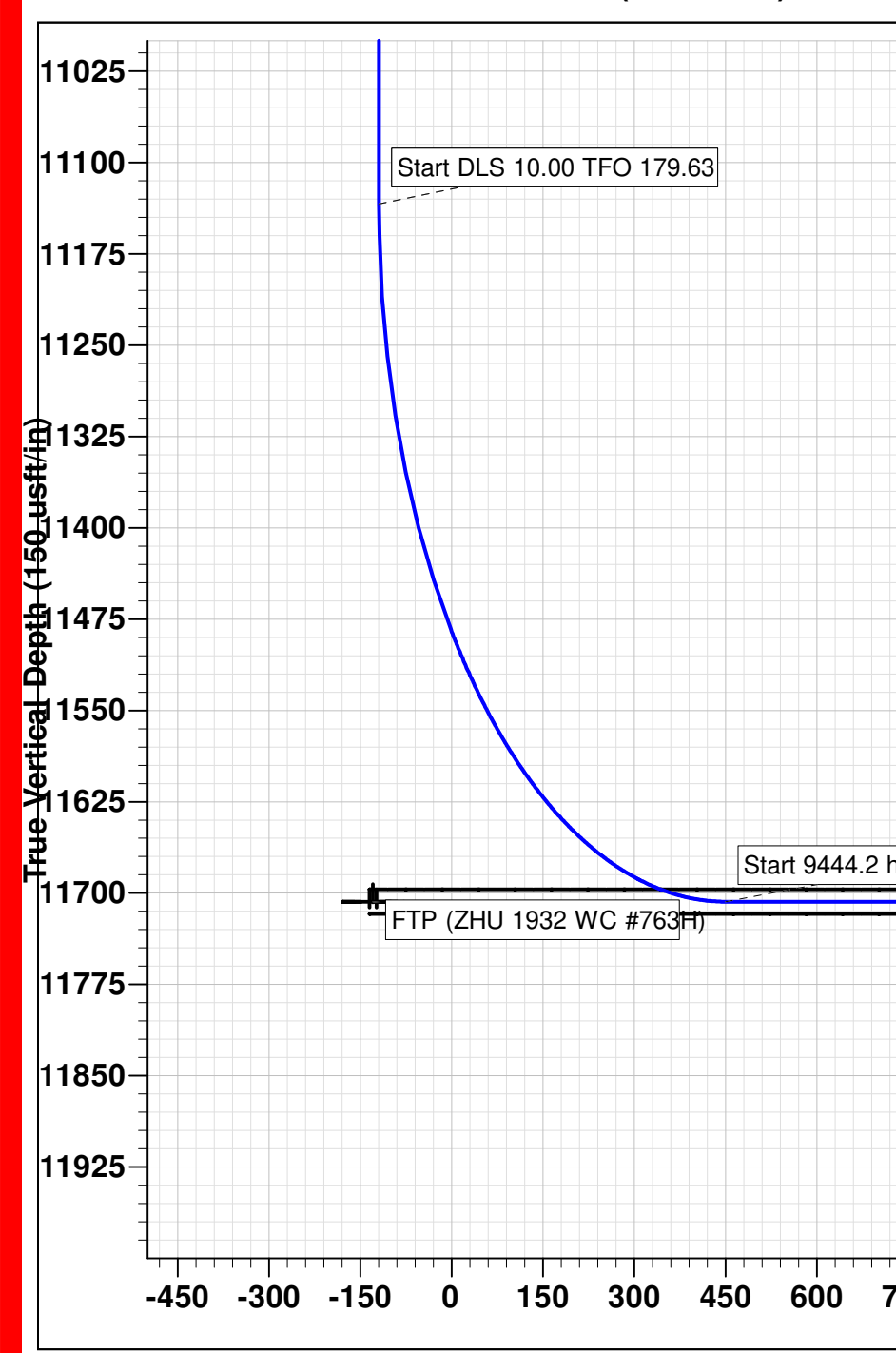
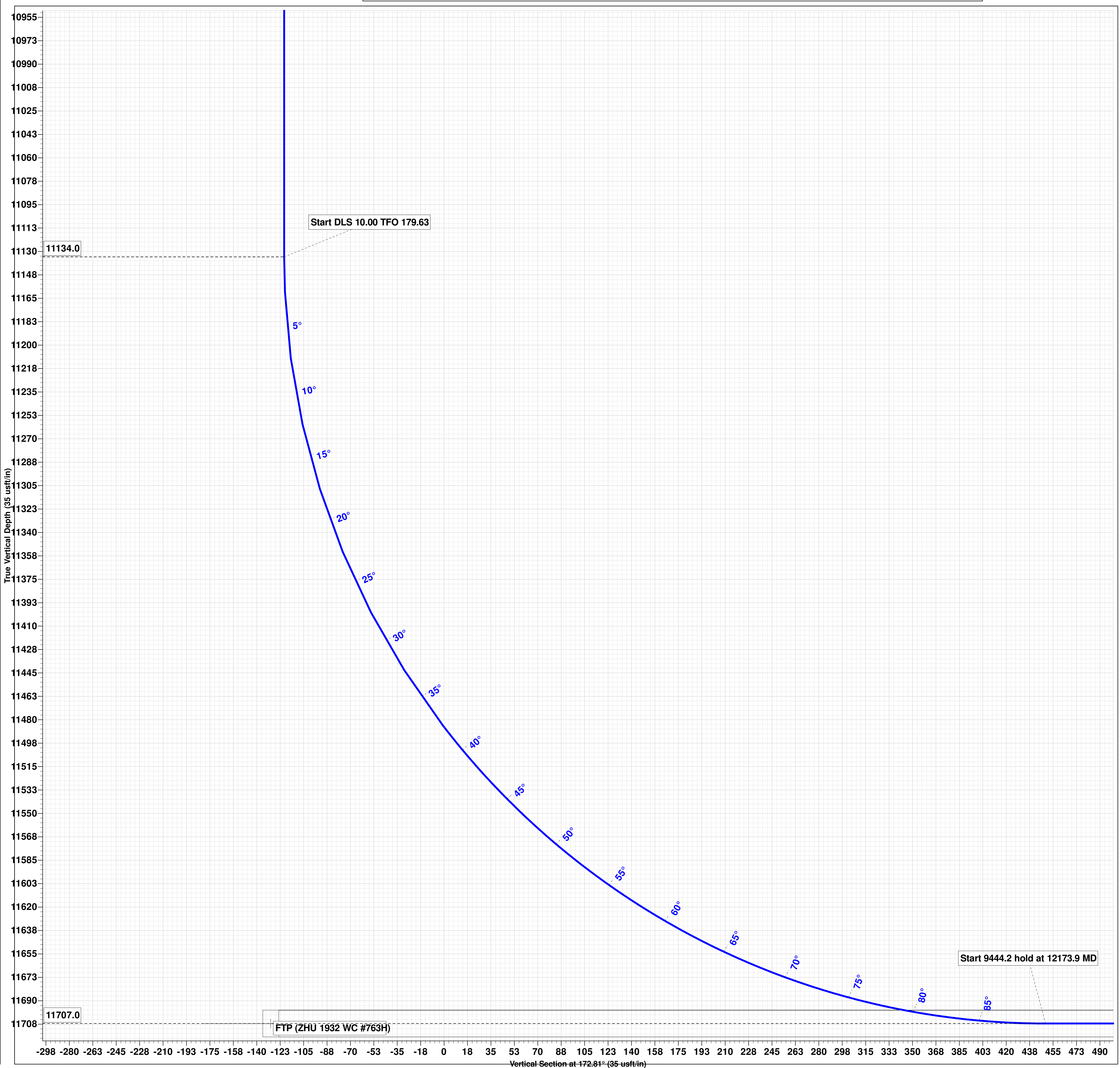
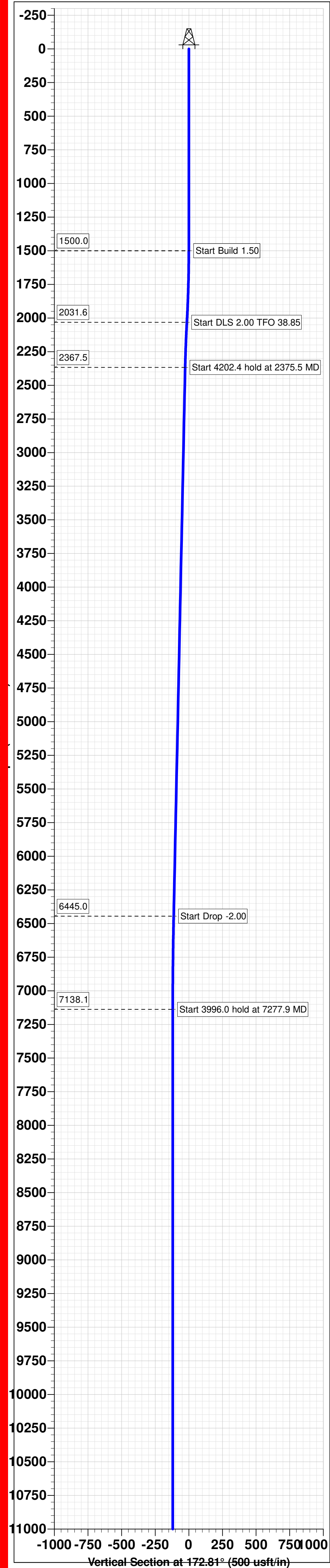
Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	Start Build 1.50
2,033.3	2,031.6	18.6	32.2	Start DLS 2.00 TFO 38.85
2,375.5	2,367.5	39.1	93.4	Start 4202.4 hold at 2375.5 MD
6,577.9	6,445.0	250.5	1,087.8	Start Drop -2.00
7,277.9	7,138.1	268.2	1,171.0	Start 3996.0 hold at 7277.9 MD
11,273.9	11,134.0	268.2	1,171.0	Start DLS 10.00 TFO 179.63
12,173.9	11,707.0	-304.8	1,174.7	Start 9444.2 hold at 12173.9 MD
21,618.1	11,707.0	-9,748.8	1,235.8	Start 50.0 hold at 21618.1 MD
21,668.1	11,707.0	-9,798.8	1,236.1	TD at 21668.1

Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS UNIT 1932 PROJECT
Well: ZIA HILLS UNIT 1932 WC #763H
Wellbore: OWB
Design: PWP1
GL: 3170.2
RKB=30ft @ 3200.2usft

WELL DETAILS: ZIA HILLS UNIT 1932 WC #763H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	374168.87	692603.58	32° 1' 37.854 N	103° 42' 42.634 W

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (ZHU 1932 WC #763H)	11707.0	278.3	1170.6	374447.21	693774.18
LTP (ZHU 1932 WC #763H)	11707.0	-9748.8	1235.8	364420.09	693839.37
PBHL (ZHU 1932 WC #763H)	11707.0	-9798.8	1236.1	364370.09	693839.66

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	
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	60.00	2031.6	18.6	32.2	1.50	60.00	-14.4	
2375.5	14.00	78.00	2367.5	39.1	93.4	2.00	38.85	-27.1	
6577.9	14.00	78.00	6445.0	250.5	1087.8	0.00	0.00	-112.4	
7277.9	0.00	0.00	7138.1	268.2	1171.0	2.00	180.00	-119.5	
11273.9	0.00	0.00	11134.0	268.2	1171.0	0.00	0.00	-119.5	
12173.9	90.00	179.63	11707.0	-304.8	1174.7	10.00	179.63	449.4	
21618.1	90.00	179.63	11707.0	-9748.8	1235.8	0.00	0.00	9826.8	
21668.1	90.00	179.63	11707.0	-9798.8	1236.1	0.00	0.00	9876.4	



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

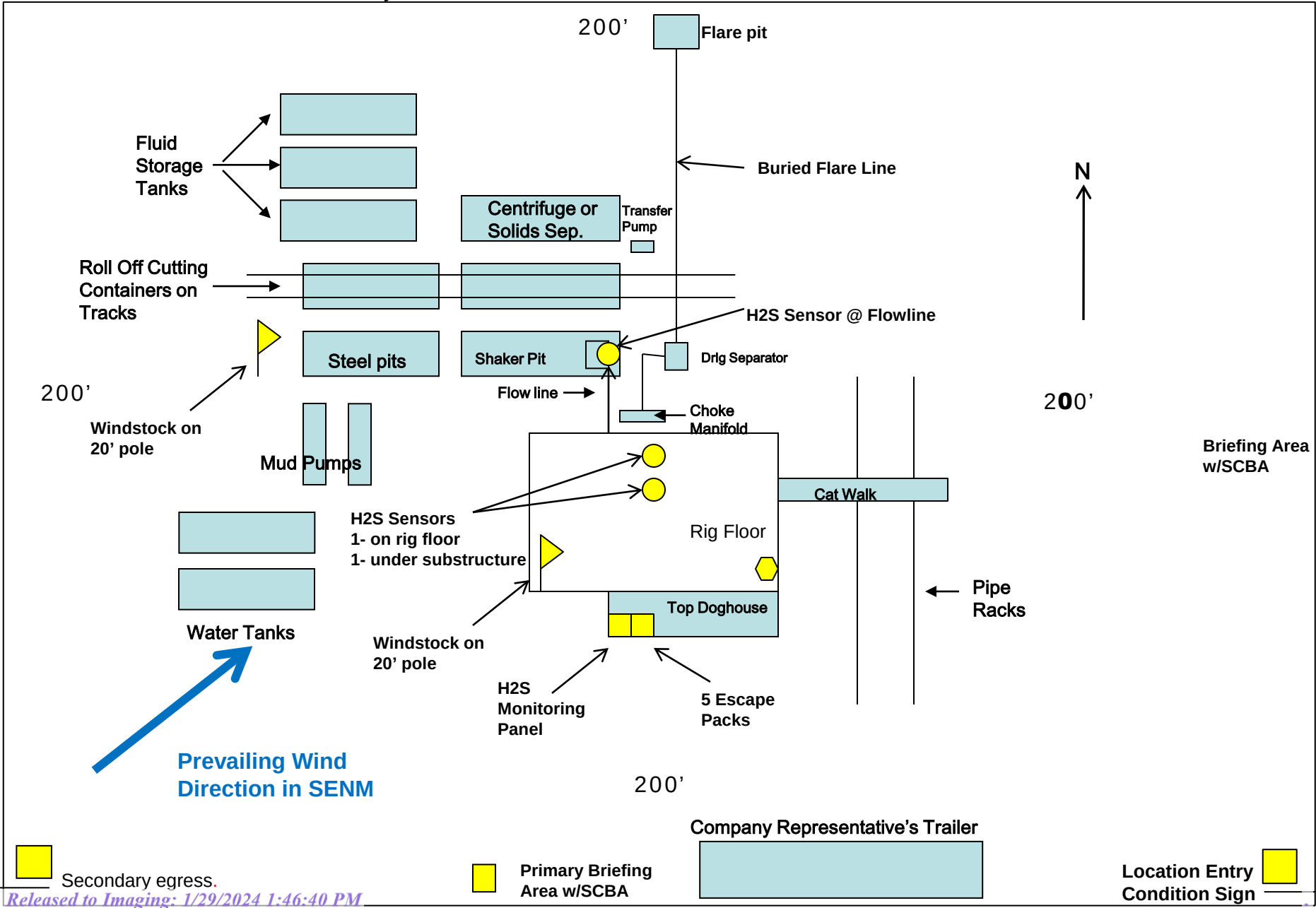
	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
Dallas Daley	432-818-2329	432-631-6977

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 306346

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID:
	217817
	Action Number: 306346
	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