

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

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-025-53232
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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

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

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

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

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

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 07/12/2024

Additional Operator Remarks

Location of Well

0. SHL: NWSE / 2535 FSL / 2060 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0278579 / LONG: -103.7124105 (TVD: 0 feet, MD: 0 feet)
PPP: SENE / 2653 FSL / 1206 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0281631 / LONG: -103.7096559 (TVD: 11638 feet, MD: 11787 feet)
PPP: NESE / 2620 FSL / 1207 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0280644 / LONG: -103.709657 (TVD: 11638 feet, MD: 11750 feet)
PPP: SESE / 1 FSL / 1154 FEL / TWSP: 26S / RANGE: 32E / SECTION: 18 / LAT: 32.0355203 / LONG: -103.709512 (TVD: 11879 feet, MD: 14427 feet)
BHL: NESE / 2620 FSL / 1154 FEL / TWSP: 26S / RANGE: 32E / SECTION: 7 / LAT: 32.0574194 / LONG: -103.7095534 (TVD: 11879 feet, MD: 22192 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 30-025-53232	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 712H
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 3,167'

¹⁰ Surface Location

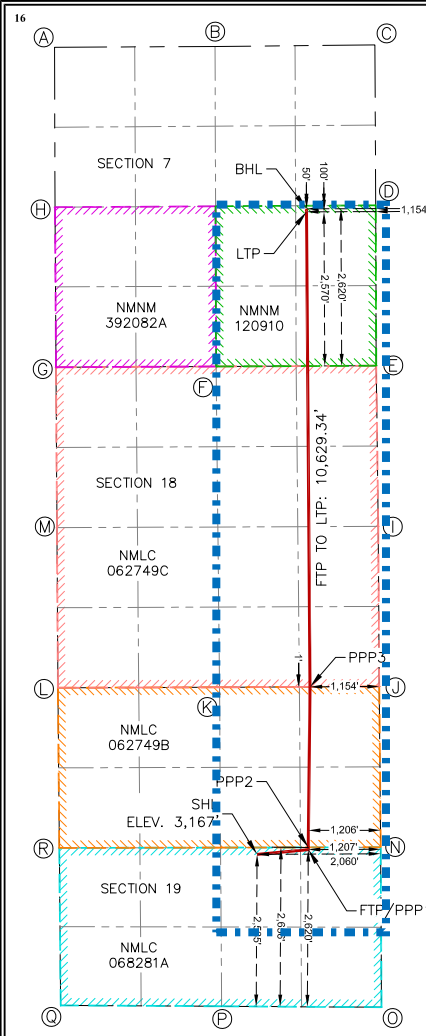
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	26-S	32-E		2,535'	SOUTH	2,060'	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	7	26-S	32-E		2,620'	SOUTH	1,154'	EAST	LEA

¹² Dedicated Acres 720	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.

	CORNER COORDINATES NEW MEXICO EAST - NAD 83 A-CALCULATED CORNER N:387,877.60' E:730,384.64' B-FOUND IRON PIPE W/ BRASS CAP N:387,891.28' E:733,059.15' C-FOUND IRON PIPE W/ BRASS CAP N:387,916.23' E:735,723.72' D-FOUND BENT IRON PIPE W/ BRASS CAP N:385,243.70' E:735,736.29' E-FOUND IRON PIPE W/ BRASS CAP N:382,570.93' E:735,744.95' F-CALCULATED CORNER N:382,558.04' E:733,076.87' G-FOUND IRON PIPE W/ BRASS CAP N:382,545.16' E:730,408.79' H-FOUND BENT IRON PIPE W/ BRASS CAP N:385,211.90' E:730,393.18' 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 1" IRON PIPE N:377,211.54' E:733,134.18' L-FOUND 2" IRON PIPE N:377,203.52' E:730,441.03' M-FOUND 1" IRON PIPE N:379,872.18' E:730,424.25' 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' Q-FOUND 2" IRON PIPE W/ CAP N:371,909.34' E:730,466.74' R-FOUND 1" IRON PIPE N:374,533.91' E:730,464.25'	SURFACE HOLE LOCATION 2,535' FSL & 2,060' FEL NEW MEXICO EAST-NAD 83 NORTH:374,426.37' EAST:733,759.59' LAT:32.02785799 LONG:-103.71241056 FIRST TAKE POINT / PENETRATION POINT 1 2,620' FSL & 1,207' FEL NEW MEXICO EAST-NAD 83 NORTH:374,506.39' EAST:734,612.23' LAT:32.02806446 LONG:-103.70965785 PENETRATION POINT 2 2,653' FSL & 1,206' FEL NEW MEXICO EAST-NAD 83 NORTH:374,542.29' EAST:734,612.62' LAT:32.02816313 LONG:-103.70965593 PENETRATION POINT 3 1' FSL & 1,154' FEL NEW MEXICO EAST-NAD 83 NORTH:377,218.94' EAST:734,641.68' LAT:32.03552032 LONG:-103.70951228 LAST TAKE POINT 2,570' FSL & 1,154' FEL NEW MEXICO EAST-NAD 83 NORTH:385,135.35' EAST:734,583.19' LAT:32.05728205 LONG:-103.70955344 BOTTOM HOLE LOCATION 2,620' FSL & 1,154' FEL NEW MEXICO EAST-NAD 83 NORTH:385,185.35' EAST:734,582.91' LAT:32.05741949 LONG:-103.70955340	17 OPERATOR CERTIFICATION <i>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>  Signature: Stan Wagner Date: 6/19/23 Printed Name: Stan Wagner Date: _____ Email Address: _____ Date: _____	18 SURVEYOR CERTIFICATION <i>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.</i> Date: 6/5/23  MARK J. MURRAY P.L.S. NO. 12177
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State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description Effective May 25, 2021

I. Operator: ConocoPhillips Company

OGRID: 217817

Date: 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 709H	30-025-	J-19-26S-32E	2535 FSL & 2150 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 710H	30-025-	J-19-26S-32E	2535 FSL & 2120 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 711H	30-025-	J-19-26S-32E	2535 FSL & 2090 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 712H	30-025-	J-19-26S-32E	2535 FSL & 2060 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 713H	30-025-	J-19-26S-32E	2535 FSL & 2030 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 714H	30-025-	J-19-26S-32E	2535 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
709H, 710H, 711H, 712H, 713H, 714H						

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

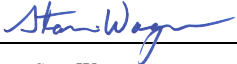
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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 712H

1. Geologic Formations

TVD of target	11,879' EOL	Pilot hole depth	NA
MD at TD:	22,193'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1225	Water	
Top of Salt	1543	Salt	
Base of Salt	4008	Salt	
Lamar	4276	Salt Water	
Bell Canyon	4311	Salt Water	
Cherry Canyon	5202	Oil/Gas	
Brushy Canyon	6627	Oil/Gas	
Bone Spring Lime	8271	Oil/Gas	
1st Bone Spring Sand	9284	Oil/Gas	
2nd Bone Spring Sand	9967	Oil/Gas	
3rd Bone Spring Sand	11144	Oil/Gas	
Wolfcamp	11510	Oil/Gas	
Wolfcamp A	11724	Target	
Wolfcamp B	12012	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.02	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.35	1.02	2.88	2.90
8.750"	8500	11296	7.625"	29.7	P110-ICY	W513	1.27	1.55	3.18	1.91
6.75"	0	11096	5.5"	23	P110-CY	BTC	1.87	2.18	2.86	2.86
6.75"	11096	22,193	5.5"	23	P110-CY	W441	1.74	2.03	2.67	2.42
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 712H

	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 712H**3. Cementing Program**

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	820	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	696	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	934	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	10,796'	35% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 1932 WC 712H

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 712H

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	7-5/8" Int shoe	Brine Diesel Emulsion	8.4 - 9.9	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 13.5	35-45	<20

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

6. Logging and Testing Procedures

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

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 712H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8340 psi at 11879' 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

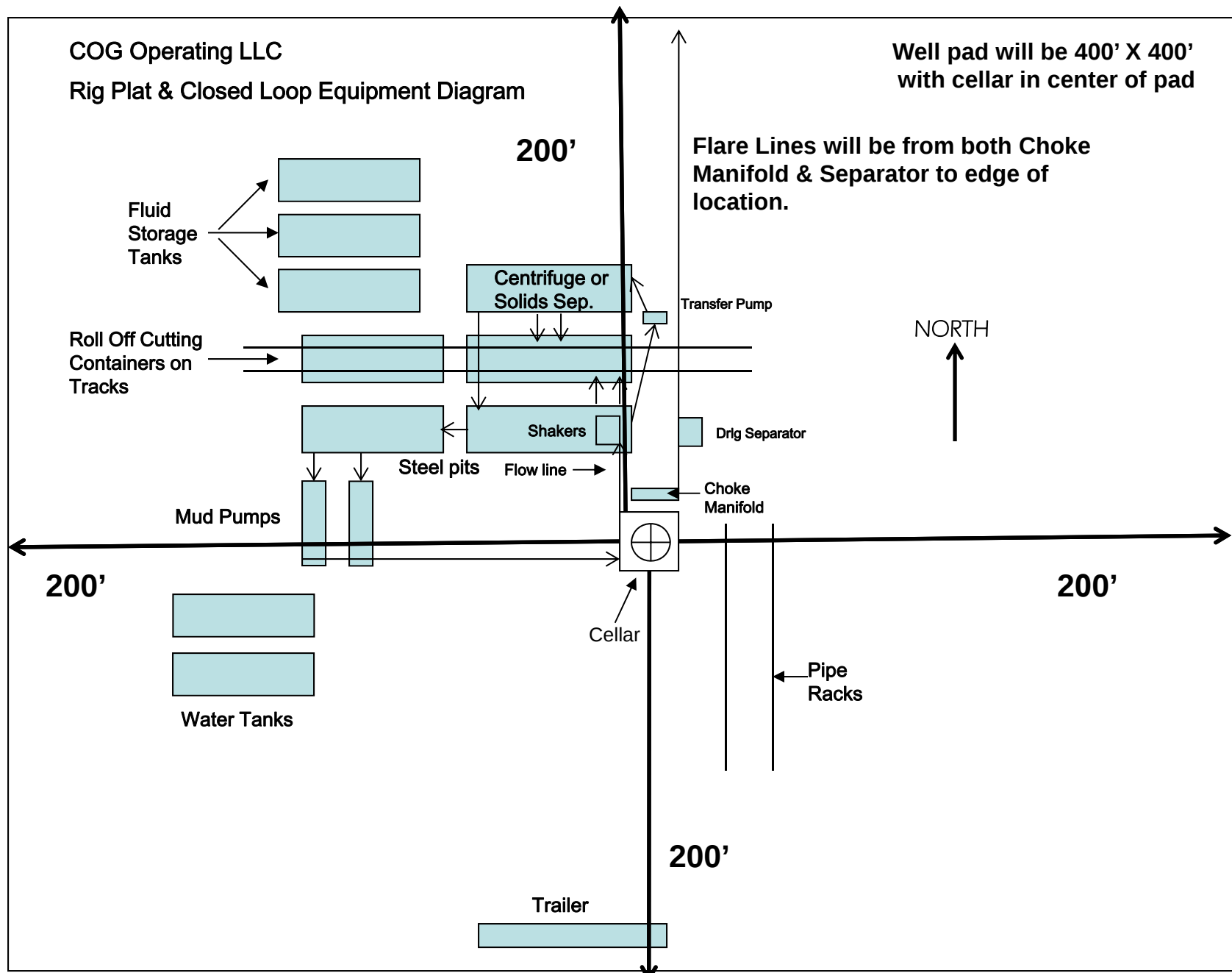


Exhibit 1

"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 #712H

OWB

PWP1

Anticollision Report

09 May, 2023

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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-Initiald Cont. rev.5	
1,500.0	11,395.7	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
11,395.7	22,192.9	PWP1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	3,473.0	3,427.6	349.0	236.2	3.094	CC
CONOCO FEDERAL #2 - OWB - AWP	3,800.0	3,748.1	361.0	232.6	2.811	ES
CONOCO FEDERAL #2 - OWB - AWP	4,400.0	4,335.7	409.2	249.6	2.565	SF
PADUCA 7 6 W1HA FEDERAL #1H - OWB - AWP	22,192.9	11,708.0	423.8	314.6	3.884	CC, ES, SF
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,466.6	1,466.9	89.9	80.7	9.726	CC
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,500.0	1,500.0	89.9	80.6	9.667	ES
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,600.0	1,597.4	92.7	83.1	9.664	SF
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	1,757.7	1,761.3	59.5	49.4	5.886	CC, ES
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	22,192.9	22,294.0	824.6	657.8	4.942	SF
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	1,500.0	1,500.1	30.0	20.7	3.225	CC
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	1,700.0	1,701.3	30.5	20.6	3.079	ES
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	22,192.9	22,041.7	448.6	281.0	2.677	SF
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	1,839.7	1,837.4	30.0	19.5	2.866	CC
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	1,900.0	1,897.1	30.2	19.5	2.827	ES
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	22,192.9	22,071.3	447.6	276.5	2.616	SF
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	966.6	966.7	60.1	51.7	7.184	CC
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	1,000.0	1,000.0	60.1	51.6	7.129	ES
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	22,192.9	22,346.5	824.0	652.5	4.805	SF
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,500.0	1,502.9	218.5	208.7	22.312	CC
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,504.4	1,507.5	218.5	208.7	22.288	ES
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,800.0	1,805.8	225.8	215.2	21.183	SF
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	2,032.4	2,058.6	193.8	181.8	16.190	CC
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	2,033.3	2,059.6	193.8	181.8	16.186	ES
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	2,200.0	2,223.8	198.0	185.3	15.599	SF
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	2,159.0	2,180.5	187.2	174.8	15.083	CC, ES
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	4,900.0	4,900.0	315.8	282.3	9.417	SF
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	2,294.4	2,310.1	187.9	175.3	14.933	CC
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	5,300.0	5,314.7	198.1	172.1	7.608	ES
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	11,395.7	11,386.5	233.9	192.2	5.604	SF
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	2,026.0	2,039.7	202.3	190.9	17.818	CC
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	2,033.3	2,046.8	202.3	190.9	17.799	ES
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	11,300.0	11,331.2	415.5	370.0	9.137	SF
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	1,465.7	1,468.5	209.6	199.9	21.477	CC
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	1,500.0	1,502.7	209.6	199.8	21.306	ES
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	6,500.0	6,474.7	513.1	474.4	13.242	SF

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	22,192.9	4,368.0				Out of Range @TD
PADUCA 7 6 W1HA FEDERAL #1H - OWB - AWP	22,192.9	11,708.0	423.8	314.6	3.884	CC, ES, SF
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	22,192.9	22,113.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	22,192.9	22,294.0	824.6	657.8	4.942	SF
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	22,192.9	22,041.7	448.6	281.0	2.677	SF
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	22,192.9	22,071.3	447.6	276.5	2.616	SF
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	22,192.9	22,346.5	824.0	652.5	4.805	SF
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	22,192.9	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	22,192.9	11,350.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	22,192.9	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	22,192.9	11,400.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	22,192.9	11,300.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	22,192.9	11,550.0				Out of Range @TD

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	Vertical	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Rule Assigned:	
Measured Depth (usft)	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	Warning	
0.0	0.0	0.0	0.0	3.0	10.0	119.66	-227.4	399.2	459.6					
100.0	100.0	85.4	85.4	3.0	10.0	119.66	-227.4	399.2	459.4	444.3	15.14	30.346		
200.0	200.0	185.4	185.4	3.2	10.2	119.66	-227.4	399.2	459.4	444.0	15.35	29.919		
300.0	300.0	285.4	285.4	3.3	10.4	119.66	-227.4	399.2	459.4	443.7	15.69	29.284		
400.0	400.0	385.4	385.4	3.4	10.7	119.66	-227.4	399.2	459.4	443.3	16.13	28.481		
500.0	500.0	485.4	485.4	3.5	11.0	119.66	-227.4	399.2	459.4	442.7	16.67	27.555		
600.0	600.0	585.4	585.4	3.7	12.0	119.66	-227.4	399.2	459.4	441.4	18.02	25.487		
700.0	700.0	685.4	685.4	3.8	13.3	119.66	-227.4	399.2	459.4	439.7	19.73	23.282		
751.9	751.9	737.3	737.3	3.9	14.0	119.58	-226.5	399.2	459.0	438.3	20.72	22.153		
800.0	800.0	785.2	785.1	3.9	14.7	119.58	-226.6	399.2	459.0	437.3	21.68	21.171		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		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	
900.0	900.0	884.6	884.5	4.0	16.2	119.61	-226.8	399.2	459.1	435.3	23.81	19.285	
1,000.0	1,000.0	985.5	985.4	4.2	17.9	119.66	-227.4	399.2	459.4	433.3	26.11	17.594	
1,100.0	1,100.0	1,085.5	1,085.4	4.3	19.7	119.66	-227.4	399.2	459.4	430.8	28.59	16.069	
1,124.8	1,124.8	1,110.1	1,110.0	4.3	20.1	119.61	-226.9	399.2	459.1	429.9	29.21	15.718	
1,200.0	1,200.0	1,184.1	1,184.0	4.4	21.5	119.64	-227.1	399.2	459.3	428.2	31.12	14.760	
1,300.0	1,300.0	1,285.5	1,285.4	4.5	23.6	119.66	-227.4	399.2	459.4	425.5	33.94	13.537	
1,400.0	1,400.0	1,385.5	1,385.4	4.6	25.7	119.66	-227.4	399.2	459.4	422.6	36.84	12.470	
1,456.8	1,456.8	1,442.3	1,442.2	4.7	26.9	119.56	-226.4	399.2	458.9	420.4	38.51	11.917	
1,500.0	1,500.0	1,485.2	1,485.1	4.8	27.8	119.56	-226.4	399.2	458.9	419.1	39.78	11.537	
1,600.0	1,600.0	1,584.3	1,584.2	4.9	29.9	59.74	-226.7	399.2	458.4	415.7	42.74	10.727	
1,700.0	1,699.9	1,685.6	1,685.3	5.0	32.2	60.26	-227.4	399.2	456.8	410.9	45.88	9.955	
1,800.0	1,799.7	1,785.3	1,785.1	5.2	34.7	61.02	-227.4	399.2	453.6	404.1	49.44	9.173	
1,900.0	1,899.3	1,884.9	1,884.7	5.4	37.3	62.10	-227.4	399.2	449.2	396.2	53.02	8.472	
2,000.0	1,998.6	1,983.4	1,983.1	5.7	39.8	63.33	-225.9	399.2	443.0	386.4	56.58	7.829	
2,033.3	2,031.6	2,016.0	2,015.7	5.7	40.7	63.88	-226.0	399.2	441.0	383.3	57.75	7.636	
2,100.0	2,097.5	2,081.1	2,080.8	5.9	42.4	60.51	-226.5	399.2	436.6	376.5	60.11	7.263	
2,200.0	2,196.0	2,181.9	2,181.4	6.2	45.0	57.67	-227.4	399.2	428.0	364.2	63.80	6.709	
2,257.8	2,252.6	2,238.5	2,238.1	6.4	46.5	56.81	-227.4	399.2	421.7	355.8	65.89	6.400	
2,300.0	2,293.9	2,279.8	2,279.3	6.5	47.6	57.81	-227.4	399.2	416.9	349.5	67.41	6.184	
2,400.0	2,391.7	2,377.6	2,377.2	6.8	50.2	60.25	-227.4	399.2	406.0	335.0	71.04	5.715	
2,500.0	2,489.5	2,474.2	2,473.7	7.1	52.8	62.58	-225.4	399.2	394.5	319.9	74.64	5.286	
2,600.0	2,587.4	2,570.1	2,569.6	7.5	55.3	65.30	-226.1	399.2	385.8	307.6	78.21	4.933	
2,700.0	2,685.2	2,671.3	2,670.6	7.9	58.1	68.32	-227.4	399.2	378.4	296.4	81.99	4.615	
2,800.0	2,783.0	2,769.1	2,768.4	8.2	60.7	71.25	-227.4	399.2	371.1	285.4	85.67	4.332	
2,900.0	2,880.8	2,866.9	2,866.2	8.6	63.3	74.28	-227.4	399.2	364.8	275.4	89.35	4.083	
3,000.0	2,978.6	2,964.0	2,963.3	9.0	65.9	77.25	-225.7	399.2	358.2	265.2	93.01	3.851	
3,100.0	3,076.4	3,060.4	3,059.7	9.4	68.5	80.44	-226.1	399.2	354.5	257.8	96.64	3.668	
3,200.0	3,174.2	3,156.7	3,155.9	9.9	71.2	83.72	-227.0	399.2	352.4	252.1	100.28	3.514	
3,300.0	3,272.1	3,258.4	3,257.5	10.3	74.4	87.17	-227.4	399.2	351.0	246.2	104.83	3.348	
3,385.2	3,355.4	3,341.8	3,340.8	10.6	77.2	90.00	-227.4	399.2	350.6	241.8	108.75	3.224	
3,400.0	3,369.9	3,356.2	3,355.3	10.7	77.7	90.49	-227.4	399.2	350.6	241.1	109.43	3.204	
3,473.0	3,441.3	3,427.6	3,426.6	11.0	80.1	92.82	-225.2	399.2	349.0	236.2	112.79	3.094 CC	
3,500.0	3,467.7	3,453.4	3,452.5	11.1	81.0	93.70	-225.2	399.2	349.3	235.3	114.01	3.064	
3,600.0	3,565.5	3,549.0	3,548.0	11.6	84.2	96.96	-225.7	399.2	351.8	233.3	118.51	2.969	
3,700.0	3,663.3	3,644.4	3,643.4	12.0	87.4	100.16	-226.9	399.2	356.2	233.2	123.02	2.895	
3,800.0	3,761.1	3,748.1	3,746.6	12.4	91.3	103.53	-227.4	399.2	361.0	232.6	128.41	2.811 ES	
3,900.0	3,859.0	3,845.9	3,844.4	12.9	94.9	106.63	-227.4	399.2	366.5	233.0	133.59	2.744	
4,000.0	3,956.8	3,943.7	3,942.2	13.3	98.6	109.63	-227.4	399.2	373.1	234.4	138.76	2.689	
4,100.0	4,054.6	4,040.9	4,039.4	13.8	102.3	112.55	-223.6	399.2	377.0	233.1	143.92	2.620	
4,200.0	4,152.4	4,135.6	4,134.0	14.2	105.9	115.26	-224.1	399.2	386.2	237.3	148.94	2.593	
4,300.0	4,250.2	4,230.2	4,228.5	14.7	109.4	117.81	-225.5	399.2	397.1	243.1	153.95	2.579	
4,400.0	4,348.0	4,335.7	4,333.5	15.1	113.4	120.49	-227.4	399.2	409.2	249.6	159.54	2.565 SF	
4,500.0	4,445.8	4,436.0	4,435.7	15.6	114.6	121.29	-227.4	399.2	425.3	266.0	159.36	2.669	
4,600.0	4,543.7	4,536.0	4,535.7	16.0	114.6	121.29	-227.4	399.2	461.9	310.9	151.07	3.058	
4,700.0	4,641.5	4,636.0	4,635.7	16.5	114.6	121.29	-227.4	399.2	515.6	376.0	139.56	3.694	
4,800.0	4,739.3	4,736.0	4,735.7	16.9	114.6	121.29	-227.4	399.2	581.6	453.9	127.72	4.554	
4,900.0	4,837.1	4,836.0	4,835.7	17.4	114.6	121.29	-227.4	399.2	656.3	539.4	116.95	5.612	
5,000.0	4,934.9	4,936.0	4,935.7	17.8	114.6	121.29	-227.4	399.2	737.0	629.4	107.68	6.845	
5,100.0	5,032.7	5,036.0	5,035.7	18.3	114.6	121.29	-227.4	399.2	822.0	722.1	99.86	8.232	
5,200.0	5,130.5	5,136.0	5,135.7	18.8	114.6	121.29	-227.4	399.2	910.0	816.7	93.31	9.753	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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 - PADUCA 7 6 W1HA FEDERAL #1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 124-MWD - OWSG R1												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,500.0	11,879.0	11,538.1	11,522.7	80.2	40.6	19.95	10,903.0	980.2	954.5	873.4	81.16	11.761	
21,600.0	11,879.0	11,550.0	11,533.1	80.9	40.6	20.40	10,908.6	980.2	867.9	784.3	83.60	10.381	
21,700.0	11,879.0	11,569.7	11,550.1	81.7	40.6	21.19	10,918.6	980.2	783.3	697.1	86.19	9.088	
21,800.0	11,879.0	11,582.0	11,560.5	82.4	40.7	21.70	10,925.2	980.2	701.6	611.6	89.95	7.800	
21,900.0	11,879.0	11,613.0	11,585.7	83.1	40.7	23.18	10,943.1	981.3	623.2	529.9	93.31	6.679	
22,000.0	11,879.0	11,635.8	11,603.4	83.8	40.8	24.48	10,957.4	983.1	549.3	451.0	98.30	5.588	
22,100.0	11,879.0	11,676.0	11,633.2	84.6	40.9	27.21	10,983.9	988.4	481.0	378.0	103.06	4.668	
22,142.9	11,879.0	11,685.9	11,640.2	84.9	40.9	27.94	10,990.7	989.9	453.6	347.4	106.17	4.272	
22,192.9	11,879.0	11,708.0	11,655.3	85.2	41.0	29.64	11,006.4	993.4	423.8	314.6	109.11	3.884 CC, ES, SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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	0.3	0.3	3.0	3.0	-89.71	0.5	-89.9	89.9				
100.0	100.0	100.3	100.3	3.0	3.0	-89.71	0.5	-89.9	89.9	83.4	6.52	13.793	
200.0	200.0	200.3	200.3	3.2	3.2	-89.71	0.5	-89.9	89.9	83.2	6.76	13.303	
300.0	300.0	300.3	300.3	3.3	3.3	-89.71	0.5	-89.9	89.9	82.9	6.99	12.863	
400.0	400.0	400.3	400.3	3.4	3.4	-89.71	0.5	-89.9	89.9	82.7	7.22	12.466	
500.0	500.0	500.3	500.3	3.5	3.5	-89.71	0.5	-89.9	89.9	82.5	7.43	12.103	
600.0	600.0	600.3	600.3	3.7	3.7	-89.71	0.5	-89.9	89.9	82.3	7.64	11.771	
700.0	700.0	700.3	700.3	3.8	3.8	-89.71	0.5	-89.9	89.9	82.1	7.84	11.466	
800.0	800.0	800.3	800.3	3.9	3.9	-89.71	0.5	-89.9	89.9	81.9	8.04	11.184	
900.0	900.0	900.3	900.3	4.0	4.0	-89.71	0.5	-89.9	89.9	81.7	8.24	10.922	
1,000.0	1,000.0	1,000.3	1,000.3	4.2	4.2	-89.71	0.5	-89.9	89.9	81.5	8.42	10.678	
1,100.0	1,100.0	1,100.3	1,100.3	4.3	4.3	-89.71	0.5	-89.9	89.9	81.3	8.61	10.450	
1,200.0	1,200.0	1,200.3	1,200.3	4.4	4.4	-89.71	0.5	-89.9	89.9	81.2	8.79	10.236	
1,300.0	1,300.0	1,300.3	1,300.3	4.5	4.5	-89.71	0.5	-89.9	89.9	81.0	8.96	10.035	
1,400.0	1,400.0	1,400.3	1,400.3	4.6	4.6	-89.71	0.5	-89.9	89.9	80.8	9.14	9.846	
1,466.6	1,466.6	1,466.9	1,466.9	4.7	4.7	-89.71	0.5	-89.9	89.9	80.7	9.25	9.726 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	-89.71	0.5	-89.9	89.9	80.6	9.30	9.667 ES	
1,600.0	1,600.0	1,597.4	1,597.4	4.9	4.9	-149.70	1.1	-91.5	92.7	83.1	9.59	9.664 SF	
1,700.0	1,699.9	1,694.1	1,693.9	5.0	5.1	-149.70	2.9	-96.0	100.8	90.7	10.03	10.047	
1,800.0	1,799.7	1,789.8	1,789.3	5.2	5.3	-149.68	5.9	-103.5	114.2	103.7	10.49	10.890	
1,900.0	1,899.3	1,884.3	1,883.1	5.4	5.6	-149.64	10.1	-113.8	132.9	122.0	10.96	12.126	
2,000.0	1,998.6	1,980.9	1,978.8	5.7	5.8	-149.75	15.1	-126.2	155.8	144.4	11.43	13.632	
2,033.3	2,031.6	2,013.2	2,010.8	5.7	5.9	-149.86	16.8	-130.4	164.0	152.4	11.56	14.189	
2,100.0	2,097.5	2,077.6	2,074.6	5.9	6.0	-154.82	20.2	-138.7	181.2	169.4	11.85	15.293	
2,200.0	2,196.0	2,173.4	2,169.4	6.2	6.3	-160.23	25.2	-151.1	209.9	197.5	12.41	16.917	
2,257.8	2,252.6	2,228.3	2,223.8	6.4	6.4	-162.60	28.0	-158.2	228.0	215.3	12.70	17.959	
2,300.0	2,293.9	2,268.2	2,263.4	6.5	6.6	-162.67	30.1	-163.3	241.6	228.7	12.90	18.729	
2,400.0	2,391.7	2,362.9	2,357.1	6.8	6.9	-162.82	35.0	-175.5	273.9	260.5	13.47	20.336	
2,500.0	2,489.5	2,457.5	2,450.8	7.1	7.2	-162.93	40.0	-187.7	306.2	292.1	14.06	21.773	
2,600.0	2,587.4	2,552.2	2,544.5	7.5	7.5	-163.03	44.9	-199.9	338.5	323.8	14.68	23.060	
2,700.0	2,685.2	2,646.8	2,638.3	7.9	7.8	-163.10	49.8	-212.2	370.8	355.4	15.31	24.212	
2,800.0	2,783.0	2,741.5	2,732.0	8.2	8.1	-163.17	54.8	-224.4	403.0	387.1	15.96	25.245	
2,900.0	2,880.8	2,836.1	2,825.7	8.6	8.4	-163.22	59.7	-236.6	435.3	418.7	16.63	26.173	
3,000.0	2,978.6	2,930.8	2,919.4	9.0	8.8	-163.27	64.6	-248.8	467.6	450.3	17.31	27.010	
3,100.0	3,076.4	3,025.4	3,013.2	9.4	9.1	-163.31	69.6	-261.0	499.9	481.9	18.00	27.765	
3,200.0	3,174.2	3,120.1	3,106.9	9.9	9.5	-163.35	74.5	-273.2	532.2	513.4	18.71	28.448	
3,300.0	3,272.1	3,214.7	3,200.6	10.3	9.8	-163.38	79.4	-285.4	564.4	545.0	19.42	29.068	
3,400.0	3,369.9	3,309.3	3,294.3	10.7	10.2	-163.41	84.4	-297.7	596.7	576.6	20.14	29.632	
3,500.0	3,467.7	3,404.0	3,388.1	11.1	10.6	-163.44	89.3	-309.9	629.0	608.1	20.86	30.146	
3,600.0	3,565.5	3,498.6	3,481.8	11.6	10.9	-163.46	94.2	-322.1	661.3	639.7	21.60	30.616	
3,700.0	3,663.3	3,601.5	3,583.7	12.0	11.3	-163.50	99.4	-334.9	693.2	670.8	22.37	30.989	
3,800.0	3,761.1	3,708.9	3,690.4	12.4	11.7	-163.60	104.1	-346.6	723.5	700.3	23.19	31.198	
3,900.0	3,859.0	3,817.4	3,798.4	12.9	12.1	-163.76	108.1	-356.4	752.2	728.2	24.01	31.331	
4,000.0	3,956.8	3,927.0	3,907.6	13.3	12.5	-163.97	111.4	-364.5	779.3	754.4	24.82	31.400	
4,100.0	4,054.6	4,037.6	4,018.0	13.8	12.9	-164.24	113.9	-370.7	804.6	779.0	25.61	31.418	
4,200.0	4,152.4	4,149.1	4,129.4	14.2	13.2	-164.55	115.6	-374.9	828.3	801.9	26.38	31.397	
4,300.0	4,250.2	4,261.5	4,241.7	14.7	13.5	-164.91	116.5	-377.1	850.3	823.2	27.11	31.360	
4,400.0	4,348.0	4,368.1	4,348.4	15.1	13.7	-165.29	116.6	-377.5	870.7	843.0	27.70	31.433	
4,500.0	4,445.8	4,465.9	4,446.2	15.6	13.7	-165.63	116.6	-377.5	890.8	862.6	28.21	31.576	
4,600.0	4,543.7	4,563.7	4,544.0	16.0	13.8	-165.95	116.6	-377.5	911.0	882.3	28.74	31.701	
4,700.0	4,641.5	4,661.5	4,641.8	16.5	13.8	-166.26	116.6	-377.5	931.2	902.0	29.27	31.814	
4,800.0	4,739.3	4,759.3	4,739.6	16.9	13.9	-166.56	116.6	-377.5	951.5	921.7	29.81	31.918	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,837.1	4,857.2	4,837.4	17.4	14.0	-166.84	116.6	-377.5	971.7	941.4	30.36	32.011	
5,000.0	4,934.9	4,955.0	4,935.2	17.8	14.0	-167.12	116.6	-377.5	992.0	961.1	30.91	32.096	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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	0.1	0.1	3.0	3.0	-89.64	0.4	-60.0	60.0				
100.0	100.0	100.1	100.1	3.0	3.0	-89.64	0.4	-60.0	60.0	53.5	6.52	9.197	
200.0	200.0	200.1	200.1	3.2	3.2	-89.64	0.4	-60.0	60.0	53.2	6.76	8.871	
300.0	300.0	300.1	300.1	3.3	3.3	-89.64	0.4	-60.0	60.0	53.0	6.99	8.578	
400.0	400.0	400.1	400.1	3.4	3.4	-89.64	0.4	-60.0	60.0	52.8	7.21	8.312	
500.0	500.0	500.1	500.1	3.5	3.5	-89.64	0.4	-60.0	60.0	52.5	7.43	8.070	
600.0	600.0	600.1	600.1	3.7	3.7	-89.64	0.4	-60.0	60.0	52.3	7.64	7.849	
700.0	700.0	700.1	700.1	3.8	3.8	-89.64	0.4	-60.0	60.0	52.1	7.84	7.646	
800.0	800.0	800.1	800.1	3.9	3.9	-89.64	0.4	-60.0	60.0	51.9	8.04	7.457	
900.0	900.0	900.1	900.1	4.0	4.0	-89.64	0.4	-60.0	60.0	51.7	8.23	7.283	
1,000.0	1,000.0	1,000.1	1,000.1	4.2	4.2	-89.64	0.4	-60.0	60.0	51.5	8.42	7.120	
1,100.0	1,100.0	1,100.1	1,100.1	4.3	4.3	-89.64	0.4	-60.0	60.0	51.4	8.61	6.968	
1,200.0	1,200.0	1,200.1	1,200.1	4.4	4.4	-89.64	0.4	-60.0	60.0	51.2	8.79	6.825	
1,300.0	1,300.0	1,300.1	1,300.1	4.5	4.5	-89.64	0.4	-60.0	60.0	51.0	8.96	6.691	
1,400.0	1,400.0	1,400.1	1,400.1	4.6	4.6	-89.64	0.4	-60.0	60.0	50.8	9.13	6.565	
1,500.0	1,500.0	1,500.1	1,500.1	4.8	4.8	-89.64	0.4	-60.0	60.0	50.7	9.30	6.446	
1,600.0	1,600.0	1,601.5	1,601.5	4.9	4.9	-149.03	1.7	-58.7	59.9	50.3	9.55	6.269	
1,700.0	1,699.9	1,703.0	1,702.8	5.0	5.2	-147.22	5.5	-55.0	59.6	49.7	9.95	5.995	
1,757.7	1,757.5	1,761.3	1,760.9	5.1	5.2	-145.64	8.9	-51.7	59.5	49.4	10.11	5.886	CC, ES
1,800.0	1,799.7	1,803.6	1,803.0	5.2	5.3	-144.58	11.6	-49.2	59.7	49.5	10.23	5.835	
1,900.0	1,899.3	1,903.5	1,902.6	5.4	5.5	-143.16	17.8	-43.1	61.8	51.1	10.62	5.813	
2,000.0	1,998.6	2,003.4	2,002.1	5.7	5.7	-143.22	24.1	-37.1	65.9	54.9	11.04	5.970	
2,033.3	2,031.6	2,036.7	2,035.3	5.7	5.8	-143.53	26.2	-35.0	67.8	56.6	11.15	6.078	
2,100.0	2,097.5	2,103.2	2,101.5	5.9	5.9	-148.87	30.4	-31.0	72.5	61.1	11.42	6.349	
2,200.0	2,196.0	2,202.7	2,200.6	6.2	6.2	-154.91	36.6	-25.0	82.5	70.5	11.94	6.906	
2,257.8	2,252.6	2,260.0	2,257.8	6.4	6.3	-157.60	40.2	-21.5	89.8	77.6	12.20	7.361	
2,300.0	2,293.9	2,301.8	2,299.4	6.5	6.5	-157.92	42.8	-19.0	95.6	83.2	12.39	7.718	
2,400.0	2,391.7	2,400.8	2,398.1	6.8	6.7	-158.53	49.0	-13.0	109.4	96.5	12.92	8.464	
2,500.0	2,489.5	2,499.9	2,496.7	7.1	7.0	-159.00	55.2	-7.0	123.2	109.7	13.48	9.137	
2,600.0	2,587.4	2,598.9	2,595.4	7.5	7.3	-159.38	61.4	-1.0	137.0	122.9	14.05	9.744	
2,700.0	2,685.2	2,698.0	2,694.0	7.9	7.6	-159.69	67.7	5.0	150.7	136.1	14.65	10.292	
2,800.0	2,783.0	2,797.0	2,792.7	8.2	8.0	-159.95	73.9	11.0	164.5	149.3	15.25	10.787	
2,900.0	2,880.8	2,896.1	2,891.4	8.6	8.3	-160.16	80.1	17.0	178.3	162.4	15.87	11.235	
3,000.0	2,978.6	2,993.8	2,988.8	9.0	8.5	-160.41	86.0	22.7	192.3	175.8	16.45	11.688	
3,100.0	3,076.4	3,090.4	3,085.1	9.4	8.9	-160.92	90.8	27.3	207.3	190.2	17.10	12.126	
3,200.0	3,174.2	3,186.5	3,181.1	9.9	9.2	-161.67	94.4	30.8	223.5	205.7	17.76	12.584	
3,300.0	3,272.1	3,282.2	3,276.8	10.3	9.4	-162.59	96.9	33.2	240.9	222.5	18.43	13.067	
3,400.0	3,369.9	3,377.4	3,371.9	10.7	9.7	-163.64	98.1	34.4	259.5	240.4	19.11	13.582	
3,500.0	3,467.7	3,473.3	3,467.8	11.1	9.8	-164.77	98.4	34.7	279.3	259.6	19.71	14.169	
3,600.0	3,565.5	3,571.1	3,565.6	11.6	9.9	-165.81	98.4	34.7	299.4	279.1	20.32	14.736	
3,700.0	3,663.3	3,668.9	3,663.4	12.0	9.9	-166.73	98.4	34.7	319.7	298.7	20.93	15.270	
3,800.0	3,761.1	3,766.7	3,761.2	12.4	10.0	-167.53	98.4	34.7	340.0	318.4	21.55	15.776	
3,900.0	3,859.0	3,864.5	3,859.0	12.9	10.1	-168.24	98.4	34.7	360.3	338.1	22.16	16.258	
4,000.0	3,956.8	3,962.3	3,956.9	13.3	10.2	-168.88	98.4	34.7	380.7	357.9	22.77	16.716	
4,100.0	4,054.6	4,060.1	4,054.7	13.8	10.3	-169.45	98.4	34.7	401.1	377.7	23.39	17.151	
4,200.0	4,152.4	4,158.0	4,152.5	14.2	10.3	-169.97	98.4	34.7	421.6	397.6	24.00	17.564	
4,300.0	4,250.2	4,255.8	4,250.3	14.7	10.4	-170.44	98.4	34.7	442.1	417.5	24.62	17.957	
4,400.0	4,348.0	4,353.6	4,348.1	15.1	10.5	-170.87	98.4	34.7	462.6	437.4	25.24	18.331	
4,500.0	4,445.8	4,451.4	4,445.9	15.6	10.6	-171.26	98.4	34.7	483.2	457.3	25.86	18.687	
4,600.0	4,543.7	4,549.2	4,543.7	16.0	10.7	-171.62	98.4	34.7	503.8	477.3	26.48	19.026	
4,700.0	4,641.5	4,647.0	4,641.6	16.5	10.8	-171.95	98.4	34.7	524.3	497.2	27.10	19.349	
4,800.0	4,739.3	4,744.8	4,739.4	16.9	10.8	-172.25	98.4	34.7	544.9	517.2	27.72	19.657	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 3.0 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,900.0	4,837.1	4,842.7	4,837.2	17.4	10.9	-172.54	98.4	34.7	565.6	537.2	28.35	19.951		
5,000.0	4,934.9	4,940.5	4,935.0	17.8	11.0	-172.80	98.4	34.7	586.2	557.2	28.97	20.231		
5,100.0	5,032.7	5,038.3	5,032.8	18.3	11.1	-173.05	98.4	34.7	606.8	577.2	29.60	20.499		
5,200.0	5,130.5	5,136.1	5,130.6	18.8	11.2	-173.28	98.4	34.7	627.5	597.2	30.23	20.755		
5,300.0	5,228.4	5,233.9	5,228.4	19.2	11.2	-173.49	98.4	34.7	648.1	617.3	30.86	21.000		
5,400.0	5,326.2	5,331.7	5,326.3	19.7	11.3	-173.69	98.4	34.7	668.8	637.3	31.50	21.235		
5,500.0	5,424.0	5,429.5	5,424.1	20.1	11.4	-173.88	98.4	34.7	689.5	657.3	32.13	21.459		
5,600.0	5,521.8	5,527.4	5,521.9	20.6	11.5	-174.06	98.4	34.7	710.2	677.4	32.76	21.674		
5,700.0	5,619.6	5,625.2	5,619.7	21.1	11.6	-174.23	98.4	34.7	730.8	697.4	33.40	21.881		
5,800.0	5,717.4	5,723.0	5,717.5	21.5	11.7	-174.39	98.4	34.7	751.5	717.5	34.04	22.079		
5,900.0	5,815.2	5,820.8	5,815.3	22.0	11.7	-174.54	98.4	34.7	772.2	737.6	34.68	22.269		
5,925.3	5,840.0	5,845.6	5,840.1	22.1	11.8	-174.58	98.4	34.7	777.5	742.6	34.83	22.321		
6,000.0	5,913.3	5,918.8	5,913.3	22.4	11.8	-174.71	98.4	34.7	792.0	756.7	35.30	22.434		
6,100.0	6,011.9	6,017.4	6,012.0	22.9	11.9	-174.84	98.4	34.7	808.4	772.5	35.94	22.493		
6,200.0	6,111.0	6,116.6	6,111.1	23.3	12.0	-174.95	98.4	34.7	821.4	784.9	36.55	22.474		
6,300.0	6,210.5	6,216.1	6,210.6	23.8	12.1	-175.02	98.4	34.7	831.0	793.9	37.12	22.385		
6,400.0	6,310.4	6,315.9	6,310.4	24.1	12.2	-175.07	98.4	34.7	837.1	799.5	37.65	22.236		
6,500.0	6,410.3	6,415.9	6,410.4	24.4	12.2	-175.09	98.4	34.7	839.7	801.6	38.08	22.052		
6,525.3	6,435.6	6,441.2	6,435.7	24.5	12.3	-103.09	98.4	34.7	839.8	801.7	38.13	22.027		
6,600.0	6,510.3	6,515.9	6,510.4	24.5	12.3	-103.09	98.4	34.7	839.8	801.6	38.19	21.990		
6,700.0	6,610.3	6,615.9	6,610.4	24.5	12.4	-103.09	98.4	34.7	839.8	801.5	38.29	21.935		
6,800.0	6,710.3	6,715.9	6,710.4	24.6	12.5	-103.09	98.4	34.7	839.8	801.4	38.38	21.880		
6,900.0	6,810.3	6,815.9	6,810.4	24.6	12.6	-103.09	98.4	34.7	839.8	801.3	38.48	21.825		
7,000.0	6,910.3	6,915.9	6,910.4	24.6	12.7	-103.09	98.4	34.7	839.8	801.3	38.58	21.770		
7,100.0	7,010.3	7,015.9	7,010.4	24.7	12.7	-103.09	98.4	34.7	839.8	801.2	38.67	21.715		
7,200.0	7,110.3	7,115.9	7,110.4	24.7	12.8	-103.09	98.4	34.7	839.8	801.1	38.77	21.660		
7,300.0	7,210.3	7,215.9	7,210.4	24.7	12.9	-103.09	98.4	34.7	839.8	801.0	38.87	21.606		
7,400.0	7,310.3	7,315.9	7,310.4	24.8	13.0	-103.09	98.4	34.7	839.8	800.9	38.97	21.551		
7,500.0	7,410.3	7,415.9	7,410.4	24.8	13.1	-103.09	98.4	34.7	839.8	800.8	39.07	21.496		
7,600.0	7,510.3	7,515.9	7,510.4	24.8	13.1	-103.09	98.4	34.7	839.8	800.7	39.17	21.441		
7,700.0	7,610.3	7,615.9	7,610.4	24.9	13.2	-103.09	98.4	34.7	839.8	800.6	39.27	21.387		
7,800.0	7,710.3	7,715.9	7,710.4	24.9	13.3	-103.09	98.4	34.7	839.8	800.5	39.37	21.332		
7,900.0	7,810.3	7,815.9	7,810.4	25.0	13.4	-103.09	98.4	34.7	839.8	800.4	39.47	21.277		
8,000.0	7,910.3	7,915.9	7,910.4	25.0	13.5	-103.09	98.4	34.7	839.8	800.3	39.57	21.223		
8,100.0	8,010.3	8,015.9	8,010.4	25.0	13.6	-103.09	98.4	34.7	839.8	800.2	39.67	21.169		
8,200.0	8,110.3	8,115.9	8,110.4	25.1	13.6	-103.09	98.4	34.7	839.8	800.1	39.78	21.114		
8,300.0	8,210.3	8,215.9	8,210.4	25.1	13.7	-103.09	98.4	34.7	839.8	799.9	39.88	21.060		
8,400.0	8,310.3	8,315.9	8,310.4	25.1	13.8	-103.09	98.4	34.7	839.8	799.8	39.98	21.006		
8,500.0	8,410.3	8,415.9	8,410.4	25.2	13.9	-103.09	98.4	34.7	839.8	799.7	40.08	20.952		
8,600.0	8,510.3	8,515.9	8,510.4	25.2	14.0	-103.09	98.4	34.7	839.8	799.6	40.19	20.898		
8,700.0	8,610.3	8,615.9	8,610.4	25.3	14.1	-103.09	98.4	34.7	839.8	799.5	40.29	20.844		
8,800.0	8,710.3	8,715.9	8,710.4	25.3	14.1	-103.09	98.4	34.7	839.8	799.4	40.40	20.790		
8,900.0	8,810.3	8,815.9	8,810.4	25.3	14.2	-103.09	98.4	34.7	839.8	799.3	40.50	20.736		
9,000.0	8,910.3	8,915.9	8,910.4	25.4	14.3	-103.09	98.4	34.7	839.8	799.2	40.61	20.682		
9,100.0	9,010.3	9,015.9	9,010.4	25.4	14.4	-103.09	98.4	34.7	839.8	799.1	40.71	20.629		
9,200.0	9,110.3	9,115.9	9,110.4	25.5	14.5	-103.09	98.4	34.7	839.8	799.0	40.82	20.575		
9,300.0	9,210.3	9,215.9	9,210.4	25.5	14.6	-103.09	98.4	34.7	839.8	798.9	40.92	20.522		
9,400.0	9,310.3	9,315.9	9,310.4	25.5	14.6	-103.09	98.4	34.7	839.8	798.8	41.03	20.468		
9,500.0	9,410.3	9,415.9	9,410.4	25.6	14.7	-103.09	98.4	34.7	839.8	798.7	41.14	20.415		
9,600.0	9,510.3	9,515.9	9,510.4	25.6	14.8	-103.09	98.4	34.7	839.8	798.6	41.25	20.362		
9,700.0	9,610.3	9,615.9	9,610.4	25.7	14.9	-103.09	98.4	34.7	839.8	798.5	41.35	20.309		
9,800.0	9,710.3	9,715.9	9,710.4	25.7	15.0	-103.09	98.4	34.7	839.8	798.4	41.46	20.256		

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.0	9,810.3	9,815.9	9,810.4	25.7	15.1	-103.09	98.4	34.7	839.8	798.3	41.57	20.203	
10,000.0	9,910.3	9,915.9	9,910.4	25.8	15.1	-103.09	98.4	34.7	839.8	798.1	41.68	20.150	
10,100.0	10,010.3	10,015.9	10,010.4	25.8	15.2	-103.09	98.4	34.7	839.8	798.0	41.79	20.098	
10,200.0	10,110.3	10,115.9	10,110.4	25.9	15.3	-103.09	98.4	34.7	839.8	797.9	41.90	20.045	
10,300.0	10,210.3	10,215.9	10,210.4	25.9	15.4	-103.09	98.4	34.7	839.8	797.8	42.01	19.993	
10,400.0	10,310.3	10,315.9	10,310.4	25.9	15.5	-103.09	98.4	34.7	839.8	797.7	42.12	19.941	
10,500.0	10,410.3	10,415.9	10,410.4	26.0	15.5	-103.09	98.4	34.7	839.8	797.6	42.23	19.888	
10,600.0	10,510.3	10,515.9	10,510.4	26.0	15.6	-103.09	98.4	34.7	839.8	797.5	42.34	19.836	
10,700.0	10,610.3	10,615.9	10,610.4	26.1	15.7	-103.09	98.4	34.7	839.8	797.4	42.45	19.785	
10,800.0	10,710.3	10,715.9	10,710.4	26.1	15.8	-103.09	98.4	34.7	839.8	797.3	42.56	19.733	
10,900.0	10,810.3	10,815.9	10,810.4	26.2	15.9	-103.09	98.4	34.7	839.8	797.2	42.67	19.681	
11,000.0	10,910.3	10,915.9	10,910.4	26.2	16.0	-103.09	98.4	34.7	839.8	797.0	42.78	19.630	
11,100.0	11,010.3	11,015.9	11,010.4	26.2	16.0	-103.09	98.4	34.7	839.8	796.9	42.90	19.578	
11,200.0	11,110.3	11,115.9	11,110.4	26.3	16.1	-103.09	98.4	34.7	839.8	796.8	43.01	19.527	
11,300.0	11,210.3	11,215.9	11,210.4	26.3	16.2	-103.09	98.4	34.7	839.8	796.7	43.12	19.476	
11,395.7	11,306.0	11,312.1	11,306.7	26.4	16.3	-103.09	98.4	34.7	839.8	796.6	43.23	19.428	
11,400.0	11,310.3	11,318.5	11,313.0	26.4	16.3	-102.93	98.4	34.7	839.8	796.6	43.24	19.422	
11,450.0	11,360.2	11,392.7	11,386.9	26.4	16.4	-102.83	104.3	34.6	839.5	796.1	43.39	19.348	
11,500.0	11,409.7	11,466.2	11,458.9	26.4	16.4	-102.56	119.4	34.6	838.8	795.3	43.50	19.282	
11,550.0	11,458.5	11,538.7	11,527.3	26.4	16.5	-102.14	143.2	34.5	837.6	794.0	43.58	19.219	
11,600.0	11,506.0	11,609.7	11,590.8	26.4	16.6	-101.59	174.7	34.4	836.1	792.4	43.63	19.164	
11,650.0	11,552.1	11,678.8	11,648.5	26.4	16.7	-100.92	212.7	34.3	834.3	790.7	43.64	19.117	
11,700.0	11,596.2	11,745.9	11,699.7	26.5	16.8	-100.15	256.0	34.1	832.3	788.7	43.62	19.082	
11,750.0	11,638.2	11,810.7	11,744.1	26.5	16.9	-99.30	303.2	34.0	830.3	786.7	43.56	19.059	
11,800.0	11,677.6	11,873.4	11,781.6	26.5	17.0	-98.38	353.3	33.8	828.2	784.7	43.49	19.044	
11,850.0	11,714.2	11,933.8	11,812.5	26.5	17.0	-97.40	405.2	33.6	826.2	782.8	43.40	19.037	
11,900.0	11,747.7	11,992.0	11,836.8	26.5	17.1	-96.39	458.1	33.5	824.4	781.0	43.31	19.034	
11,950.0	11,777.8	12,048.2	11,855.2	26.6	17.1	-95.35	511.2	33.3	822.7	779.5	43.23	19.030	
12,000.0	11,804.4	12,102.5	11,867.8	26.6	17.2	-94.28	564.0	33.1	821.3	778.2	43.18	19.021	
12,050.0	11,827.1	12,155.0	11,875.3	26.6	17.2	-93.21	615.9	32.9	820.2	777.1	43.16	19.006	
12,100.0	11,845.9	12,205.8	11,878.0	26.7	17.3	-92.13	666.6	32.8	819.5	776.3	43.17	18.982	
12,150.0	11,860.6	12,253.8	11,878.0	26.7	17.3	-91.18	714.7	32.6	819.1	775.8	43.25	18.938	
12,200.0	11,871.0	12,302.7	11,878.0	26.7	17.4	-90.48	763.5	32.5	818.9	775.6	43.37	18.884	
12,222.0	11,874.3	12,324.5	11,878.0	26.8	17.4	-90.26	785.3	32.4	818.9	775.5	43.43	18.855	
12,250.0	11,877.2	12,352.3	11,878.0	26.8	17.4	-90.05	813.1	32.3	818.9	775.4	43.53	18.815	
12,295.7	11,879.0	12,398.0	11,878.0	26.8	17.5	-89.92	858.8	32.1	819.0	775.3	43.70	18.741	
12,300.0	11,879.0	12,402.3	11,878.0	26.8	17.5	-89.92	863.1	32.1	819.0	775.2	43.72	18.734	
12,400.0	11,879.0	12,502.3	11,878.0	27.0	17.6	-89.92	963.1	31.8	819.0	774.9	44.16	18.545	
12,500.0	11,879.0	12,602.3	11,878.0	27.1	17.8	-89.92	1,063.1	31.5	819.1	774.4	44.66	18.341	
12,600.0	11,879.0	12,702.3	11,878.0	27.3	18.1	-89.92	1,163.1	31.1	819.1	773.9	45.20	18.123	
12,700.0	11,879.0	12,802.3	11,878.0	27.5	18.4	-89.92	1,263.1	30.8	819.2	773.4	45.78	17.893	
12,800.0	11,879.0	12,902.3	11,878.0	27.7	18.7	-89.92	1,363.1	30.5	819.2	772.8	46.41	17.652	
12,900.0	11,879.0	13,002.3	11,878.0	27.9	19.1	-89.92	1,463.1	30.1	819.3	772.2	47.08	17.404	
13,000.0	11,879.0	13,102.3	11,878.0	28.2	19.6	-89.92	1,563.1	29.8	819.4	771.6	47.78	17.148	
13,100.0	11,879.0	13,202.3	11,878.0	28.5	20.0	-89.92	1,663.1	29.5	819.4	770.9	48.52	16.887	
13,200.0	11,879.0	13,302.3	11,878.0	28.8	20.5	-89.92	1,763.1	29.1	819.5	770.2	49.30	16.622	
13,300.0	11,879.0	13,402.3	11,878.0	29.1	21.0	-89.92	1,863.1	28.8	819.5	769.4	50.11	16.354	
13,400.0	11,879.0	13,502.3	11,878.0	29.4	21.5	-89.92	1,963.1	28.5	819.6	768.6	50.95	16.085	
13,500.0	11,879.0	13,602.3	11,878.0	29.8	22.0	-89.92	2,063.1	28.1	819.7	767.8	51.83	15.815	
13,600.0	11,879.0	13,702.3	11,878.0	30.1	22.6	-89.92	2,163.1	27.8	819.7	767.0	52.73	15.546	
13,700.0	11,879.0	13,802.3	11,878.0	30.5	23.1	-89.92	2,263.1	27.5	819.8	766.1	53.66	15.278	
13,800.0	11,879.0	13,902.3	11,878.0	30.9	23.7	-89.92	2,363.1	27.1	819.8	765.2	54.61	15.012	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,900.0	11,879.0	14,002.3	11,878.0	31.3	24.3	-89.92	2,463.1	26.8	819.9	764.3	55.59	14.748	
14,000.0	11,879.0	14,102.3	11,878.0	31.8	24.9	-89.92	2,563.1	26.5	819.9	763.3	56.59	14.488	
14,100.0	11,879.0	14,202.3	11,878.0	32.2	25.5	-89.92	2,663.1	26.1	820.0	762.4	57.62	14.231	
14,200.0	11,879.0	14,302.3	11,878.0	32.7	26.1	-89.92	2,763.1	25.8	820.1	761.4	58.67	13.978	
14,300.0	11,879.0	14,402.3	11,878.0	33.1	26.7	-89.92	2,863.1	25.5	820.1	760.4	59.73	13.730	
14,400.0	11,879.0	14,502.3	11,878.0	33.6	27.3	-89.92	2,963.1	25.1	820.2	759.4	60.82	13.486	
14,500.0	11,879.0	14,602.3	11,878.0	34.1	28.0	-89.92	3,063.1	24.8	820.2	758.3	61.92	13.247	
14,600.0	11,879.0	14,702.3	11,878.0	34.6	28.6	-89.92	3,163.1	24.5	820.3	757.2	63.04	13.013	
14,700.0	11,879.0	14,802.3	11,878.0	35.1	29.2	-89.92	3,263.1	24.1	820.3	756.2	64.17	12.783	
14,800.0	11,879.0	14,902.3	11,878.0	35.6	29.9	-89.92	3,363.1	23.8	820.4	755.1	65.32	12.559	
14,900.0	11,879.0	15,002.3	11,878.0	36.2	30.5	-89.92	3,463.1	23.5	820.5	754.0	66.49	12.340	
15,000.0	11,879.0	15,102.3	11,878.0	36.7	31.2	-89.92	3,563.1	23.2	820.5	752.8	67.67	12.126	
15,100.0	11,879.0	15,202.3	11,878.0	37.3	31.9	-89.92	3,663.1	22.8	820.6	751.7	68.86	11.917	
15,200.0	11,879.0	15,302.3	11,878.0	37.8	32.5	-89.92	3,763.1	22.5	820.6	750.6	70.06	11.713	
15,300.0	11,879.0	15,402.3	11,878.0	38.4	33.2	-89.92	3,863.1	22.2	820.7	749.4	71.27	11.515	
15,400.0	11,879.0	15,502.3	11,878.0	38.9	33.9	-89.92	3,963.1	21.8	820.7	748.2	72.50	11.321	
15,500.0	11,879.0	15,602.3	11,878.0	39.5	34.6	-89.92	4,063.1	21.5	820.8	747.1	73.74	11.132	
15,600.0	11,879.0	15,702.3	11,878.0	40.1	35.2	-89.92	4,163.1	21.2	820.9	745.9	74.98	10.947	
15,700.0	11,879.0	15,802.3	11,878.0	40.7	35.9	-89.92	4,263.1	20.8	820.9	744.7	76.24	10.768	
15,800.0	11,879.0	15,902.3	11,878.0	41.3	36.6	-89.92	4,363.1	20.5	821.0	743.5	77.50	10.593	
15,900.0	11,879.0	16,002.3	11,878.0	41.9	37.3	-89.92	4,463.1	20.2	821.0	742.3	78.77	10.423	
16,000.0	11,879.0	16,102.3	11,878.0	42.5	38.0	-89.92	4,563.1	19.8	821.1	741.0	80.06	10.256	
16,100.0	11,879.0	16,202.3	11,878.0	43.1	38.7	-89.92	4,663.1	19.5	821.1	739.8	81.34	10.095	
16,200.0	11,879.0	16,302.3	11,878.0	43.7	39.4	-89.92	4,763.1	19.2	821.2	738.6	82.64	9.937	
16,300.0	11,879.0	16,402.3	11,878.0	44.4	40.1	-89.92	4,863.1	18.8	821.3	737.3	83.94	9.783	
16,400.0	11,879.0	16,502.3	11,878.0	45.0	40.8	-89.92	4,963.1	18.5	821.3	736.1	85.25	9.634	
16,500.0	11,879.0	16,602.3	11,878.0	45.6	41.5	-89.92	5,063.1	18.2	821.4	734.8	86.57	9.488	
16,600.0	11,879.0	16,702.3	11,878.0	46.3	42.2	-89.92	5,163.1	17.8	821.4	733.5	87.89	9.346	
16,700.0	11,879.0	16,802.3	11,878.0	46.9	43.0	-89.92	5,263.1	17.5	821.5	732.3	89.22	9.207	
16,800.0	11,879.0	16,902.3	11,878.0	47.5	43.7	-89.92	5,363.1	17.2	821.5	731.0	90.56	9.072	
16,900.0	11,879.0	17,002.3	11,878.0	48.2	44.4	-89.92	5,463.1	16.8	821.6	729.7	91.89	8.941	
17,000.0	11,879.0	17,102.3	11,878.0	48.8	45.1	-89.92	5,563.1	16.5	821.7	728.4	93.24	8.812	
17,100.0	11,879.0	17,202.3	11,878.0	49.5	45.8	-89.92	5,663.1	16.2	821.7	727.1	94.59	8.687	
17,200.0	11,879.0	17,302.3	11,878.0	50.1	46.5	-89.92	5,763.1	15.8	821.8	725.8	95.94	8.565	
17,300.0	11,879.0	17,402.3	11,878.0	50.8	47.3	-89.92	5,863.1	15.5	821.8	724.5	97.30	8.446	
17,400.0	11,879.0	17,502.3	11,878.0	51.5	48.0	-89.92	5,963.1	15.2	821.9	723.2	98.66	8.330	
17,500.0	11,879.0	17,602.3	11,878.0	52.1	48.7	-89.92	6,063.1	14.8	822.0	721.9	100.03	8.217	
17,600.0	11,879.0	17,702.3	11,878.0	52.8	49.4	-89.92	6,163.1	14.5	822.0	720.6	101.40	8.107	
17,700.0	11,879.0	17,802.3	11,878.0	53.5	50.1	-89.92	6,263.1	14.2	822.1	719.3	102.78	7.999	
17,800.0	11,879.0	17,902.3	11,878.0	54.1	50.9	-89.92	6,363.1	13.8	822.1	718.0	104.15	7.893	
17,900.0	11,879.0	18,002.3	11,878.0	54.8	51.6	-89.92	6,463.1	13.5	822.2	716.6	105.53	7.791	
18,000.0	11,879.0	18,102.3	11,878.0	55.5	52.3	-89.92	6,563.1	13.2	822.2	715.3	106.92	7.690	
18,100.0	11,879.0	18,202.3	11,878.0	56.2	53.1	-89.92	6,663.1	12.9	822.3	714.0	108.31	7.592	
18,200.0	11,879.0	18,302.3	11,878.0	56.9	53.8	-89.92	6,763.1	12.5	822.4	712.7	109.70	7.496	
18,300.0	11,879.0	18,402.3	11,878.0	57.5	54.5	-89.92	6,863.1	12.2	822.4	711.3	111.09	7.403	
18,400.0	11,879.0	18,502.3	11,878.0	58.2	55.3	-89.92	6,963.1	11.9	822.5	710.0	112.49	7.311	
18,500.0	11,879.0	18,602.3	11,878.0	58.9	56.0	-89.92	7,063.1	11.5	822.5	708.6	113.89	7.222	
18,600.0	11,879.0	18,702.3	11,878.0	59.6	56.7	-89.92	7,163.1	11.2	822.6	707.3	115.29	7.135	
18,700.0	11,879.0	18,802.3	11,878.0	60.3	57.5	-89.92	7,263.1	10.9	822.6	705.9	116.70	7.049	
18,800.0	11,879.0	18,902.3	11,878.0	61.0	58.2	-89.92	7,363.1	10.5	822.7	704.6	118.11	6.966	
18,900.0	11,879.0	19,002.3	11,878.0	61.7	58.9	-89.92	7,463.1	10.2	822.8	703.2	119.52	6.884	
19,000.0	11,879.0	19,102.3	11,878.0	62.4	59.7	-89.92	7,563.1	9.9	822.8	701.9	120.93	6.804	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,100.0	11,879.0	19,202.3	11,878.0	63.1	60.4	-89.92	7,663.1	9.5	822.9	700.5	122.34	6.726	
19,200.0	11,879.0	19,302.3	11,878.0	63.8	61.1	-89.92	7,763.1	9.2	822.9	699.2	123.76	6.649	
19,300.0	11,879.0	19,402.3	11,878.0	64.5	61.9	-89.92	7,863.1	8.9	823.0	697.8	125.18	6.574	
19,400.0	11,879.0	19,502.3	11,878.0	65.2	62.6	-89.92	7,963.1	8.5	823.0	696.4	126.60	6.501	
19,500.0	11,879.0	19,602.3	11,878.0	65.9	63.4	-89.92	8,063.1	8.2	823.1	695.1	128.02	6.429	
19,600.0	11,879.0	19,702.3	11,878.0	66.6	64.1	-89.92	8,163.1	7.9	823.2	693.7	129.45	6.359	
19,700.0	11,879.0	19,802.3	11,878.0	67.3	64.8	-89.92	8,263.1	7.5	823.2	692.3	130.88	6.290	
19,800.0	11,879.0	19,902.3	11,878.0	68.0	65.6	-89.92	8,363.1	7.2	823.3	691.0	132.30	6.223	
19,900.0	11,879.0	20,002.3	11,878.0	68.7	66.3	-89.92	8,463.1	6.9	823.3	689.6	133.73	6.156	
20,000.0	11,879.0	20,102.3	11,878.0	69.4	67.1	-89.92	8,563.1	6.5	823.4	688.2	135.17	6.092	
20,100.0	11,879.0	20,202.3	11,878.0	70.1	67.8	-89.92	8,663.1	6.2	823.4	686.8	136.60	6.028	
20,200.0	11,879.0	20,302.3	11,878.0	70.9	68.6	-89.92	8,763.1	5.9	823.5	685.5	138.03	5.966	
20,300.0	11,879.0	20,402.3	11,878.0	71.6	69.3	-89.92	8,863.1	5.5	823.6	684.1	139.47	5.905	
20,400.0	11,879.0	20,502.3	11,878.0	72.3	70.0	-89.92	8,963.1	5.2	823.6	682.7	140.91	5.845	
20,500.0	11,879.0	20,602.3	11,878.0	73.0	70.8	-89.92	9,063.1	4.9	823.7	681.3	142.35	5.786	
20,600.0	11,879.0	20,702.3	11,878.0	73.7	71.5	-89.92	9,163.1	4.5	823.7	679.9	143.79	5.729	
20,700.0	11,879.0	20,802.3	11,878.0	74.4	72.3	-89.92	9,263.1	4.2	823.8	678.6	145.23	5.672	
20,800.0	11,879.0	20,902.3	11,878.0	75.2	73.0	-89.92	9,363.1	3.9	823.8	677.2	146.67	5.617	
20,900.0	11,879.0	21,002.3	11,878.0	75.9	73.8	-89.92	9,463.1	3.5	823.9	675.8	148.12	5.563	
21,000.0	11,879.0	21,102.3	11,878.0	76.6	74.5	-89.92	9,563.1	3.2	824.0	674.4	149.56	5.509	
21,100.0	11,879.0	21,202.3	11,878.0	77.3	75.3	-89.92	9,663.0	2.9	824.0	673.0	151.01	5.457	
21,200.0	11,879.0	21,302.3	11,878.0	78.0	76.0	-89.92	9,763.0	2.5	824.1	671.6	152.46	5.405	
21,300.0	11,879.0	21,402.3	11,878.0	78.8	76.8	-89.92	9,863.0	2.2	824.1	670.2	153.91	5.355	
21,400.0	11,879.0	21,502.3	11,878.0	79.5	77.5	-89.92	9,963.0	1.9	824.2	668.8	155.36	5.305	
21,500.0	11,879.0	21,602.3	11,878.0	80.2	78.3	-89.92	10,063.0	1.6	824.2	667.4	156.81	5.256	
21,600.0	11,879.0	21,702.3	11,878.0	80.9	79.0	-89.92	10,163.0	1.2	824.3	666.0	158.26	5.209	
21,700.0	11,879.0	21,802.3	11,878.0	81.7	79.7	-89.92	10,263.0	0.9	824.4	664.7	159.71	5.162	
21,800.0	11,879.0	21,902.3	11,878.0	82.4	80.5	-89.92	10,363.0	0.6	824.4	663.3	161.17	5.115	
21,900.0	11,879.0	22,002.3	11,878.0	83.1	81.2	-89.92	10,463.0	0.2	824.5	661.9	162.62	5.070	
22,000.0	11,879.0	22,102.3	11,878.0	83.8	82.0	-89.92	10,563.0	-0.1	824.5	660.5	164.08	5.025	
22,100.0	11,879.0	22,202.3	11,878.0	84.6	82.7	-89.92	10,663.0	-0.4	824.6	659.1	165.54	4.981	
22,142.9	11,879.0	22,245.2	11,878.0	84.9	83.1	-89.92	10,706.0	-0.6	824.6	658.5	166.16	4.963	
22,192.9	11,879.0	22,294.0	11,878.0	85.2	83.4	-89.92	10,754.8	-0.7	824.6	657.8	166.87	4.942 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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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	0.1	0.1	3.0	3.0	-89.94	0.0	-30.0	30.0				
100.0	100.0	100.1	100.1	3.0	3.0	-89.94	0.0	-30.0	30.0	23.5	6.52	4.602	
200.0	200.0	200.1	200.1	3.2	3.2	-89.94	0.0	-30.0	30.0	23.2	6.76	4.439	
300.0	300.0	300.1	300.1	3.3	3.3	-89.94	0.0	-30.0	30.0	23.0	6.99	4.292	
400.0	400.0	400.1	400.1	3.4	3.4	-89.94	0.0	-30.0	30.0	22.8	7.21	4.159	
500.0	500.0	500.1	500.1	3.5	3.5	-89.94	0.0	-30.0	30.0	22.6	7.43	4.039	
600.0	600.0	600.1	600.1	3.7	3.7	-89.94	0.0	-30.0	30.0	22.4	7.64	3.928	
700.0	700.0	700.1	700.1	3.8	3.8	-89.94	0.0	-30.0	30.0	22.2	7.84	3.826	
800.0	800.0	800.1	800.1	3.9	3.9	-89.94	0.0	-30.0	30.0	22.0	8.04	3.732	
900.0	900.0	900.1	900.1	4.0	4.0	-89.94	0.0	-30.0	30.0	21.8	8.23	3.644	
1,000.0	1,000.0	1,000.1	1,000.1	4.2	4.2	-89.94	0.0	-30.0	30.0	21.6	8.42	3.563	
1,100.0	1,100.0	1,100.1	1,100.1	4.3	4.3	-89.94	0.0	-30.0	30.0	21.4	8.61	3.487	
1,200.0	1,200.0	1,200.1	1,200.1	4.4	4.4	-89.94	0.0	-30.0	30.0	21.2	8.79	3.415	
1,300.0	1,300.0	1,300.1	1,300.1	4.5	4.5	-89.94	0.0	-30.0	30.0	21.0	8.96	3.348	
1,400.0	1,400.0	1,400.1	1,400.1	4.6	4.6	-89.94	0.0	-30.0	30.0	20.9	9.14	3.285	
1,500.0	1,500.0	1,500.1	1,500.1	4.8	4.8	-89.94	0.0	-30.0	30.0	20.7	9.30	3.225 CC	
1,504.4	1,504.4	1,504.6	1,504.6	4.8	4.8	-149.94	0.0	-30.0	30.0	20.7	9.31	3.222	
1,600.0	1,600.0	1,600.7	1,600.7	4.9	4.9	-149.57	0.9	-29.0	30.1	20.6	9.53	3.163	
1,700.0	1,699.9	1,701.3	1,701.2	5.0	5.0	-148.48	3.4	-25.9	30.5	20.6	9.91	3.079 ES	
1,800.0	1,799.7	1,801.9	1,801.6	5.2	5.2	-146.73	7.7	-20.9	31.2	20.9	10.31	3.024	
1,900.0	1,899.3	1,902.5	1,901.8	5.4	5.5	-144.40	13.6	-13.8	32.1	21.4	10.71	3.001	
2,000.0	1,998.6	2,003.1	2,001.6	5.7	5.7	-141.62	21.3	-4.7	33.5	22.3	11.12	3.010	
2,033.3	2,031.6	2,036.6	2,034.8	5.7	5.8	-140.62	24.2	-1.2	34.0	22.8	11.18	3.040	
2,100.0	2,097.5	2,103.8	2,101.4	5.9	5.9	-144.51	29.5	6.4	35.3	23.9	11.39	3.102	
2,200.0	2,196.0	2,204.2	2,200.8	6.2	6.1	-151.99	35.2	19.1	38.6	26.7	11.89	3.247	
2,257.8	2,252.6	2,261.9	2,257.9	6.4	6.3	-155.86	38.2	26.6	41.9	29.7	12.21	3.435	
2,300.0	2,293.9	2,303.9	2,299.6	6.5	6.4	-156.92	40.4	32.0	44.8	32.4	12.44	3.603	
2,400.0	2,391.7	2,403.7	2,398.4	6.8	6.7	-158.98	45.6	44.9	51.7	38.6	13.08	3.950	
2,500.0	2,489.5	2,503.4	2,497.2	7.1	7.0	-160.55	50.8	57.7	58.6	44.8	13.76	4.258	
2,600.0	2,587.4	2,603.2	2,595.9	7.5	7.3	-161.79	56.0	70.6	65.5	51.1	14.46	4.533	
2,700.0	2,685.2	2,702.9	2,694.7	7.9	7.7	-162.79	61.2	83.5	72.5	57.3	15.18	4.777	
2,800.0	2,783.0	2,802.7	2,793.5	8.2	8.0	-163.62	66.4	96.3	79.5	63.6	15.92	4.995	
2,900.0	2,880.8	2,902.4	2,892.3	8.6	8.4	-164.31	71.6	109.2	86.5	69.8	16.67	5.189	
3,000.0	2,978.6	3,002.2	2,991.1	9.0	8.8	-164.90	76.8	122.1	93.5	76.1	17.44	5.362	
3,100.0	3,076.4	3,101.9	3,089.8	9.4	9.1	-165.41	82.0	135.0	100.5	82.3	18.22	5.518	
3,200.0	3,174.2	3,201.7	3,188.6	9.9	9.5	-165.85	87.2	147.8	107.6	88.6	19.01	5.659	
3,300.0	3,272.1	3,301.4	3,287.4	10.3	9.9	-166.23	92.4	160.7	114.6	94.8	19.81	5.786	
3,400.0	3,369.9	3,401.2	3,386.2	10.7	10.3	-166.57	97.6	173.6	121.7	101.0	20.62	5.901	
3,500.0	3,467.7	3,500.9	3,484.9	11.1	10.7	-166.88	102.8	186.4	128.7	107.3	21.43	6.005	
3,600.0	3,565.5	3,600.7	3,583.7	11.6	11.1	-167.15	108.0	199.3	135.7	113.5	22.25	6.100	
3,700.0	3,663.3	3,700.4	3,682.5	12.0	11.4	-167.40	113.2	212.2	142.8	119.7	23.08	6.187	
3,800.0	3,761.1	3,800.2	3,781.3	12.4	11.8	-167.62	118.4	225.1	149.9	125.9	23.91	6.267	
3,900.0	3,859.0	3,899.9	3,880.1	12.9	12.2	-167.82	123.6	237.9	156.9	132.2	24.75	6.341	
4,000.0	3,956.8	3,999.7	3,978.8	13.3	12.7	-168.01	128.8	250.8	164.0	138.4	25.59	6.408	
4,100.0	4,054.6	4,099.4	4,077.6	13.8	13.1	-168.18	134.0	263.7	171.0	144.6	26.43	6.471	
4,200.0	4,152.4	4,199.2	4,176.4	14.2	13.5	-168.33	139.2	276.5	178.1	150.8	27.28	6.529	
4,300.0	4,250.2	4,298.9	4,275.2	14.7	13.9	-168.48	144.4	289.4	185.1	157.0	28.13	6.582	
4,400.0	4,348.0	4,398.7	4,374.0	15.1	14.3	-168.61	149.6	302.3	192.2	163.2	28.98	6.632	
4,500.0	4,445.8	4,498.4	4,472.7	15.6	14.7	-168.74	154.8	315.2	199.3	169.4	29.84	6.679	
4,600.0	4,543.7	4,598.2	4,571.5	16.0	15.1	-168.85	160.0	328.0	206.3	175.6	30.69	6.722	
4,700.0	4,641.5	4,697.9	4,670.3	16.5	15.5	-168.96	165.2	340.9	213.4	181.8	31.55	6.763	
4,800.0	4,739.3	4,797.7	4,769.1	16.9	15.9	-169.06	170.4	353.8	220.5	188.0	32.42	6.801	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		Rule Assigned:						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,900.0	4,837.1	4,897.4	4,867.8	17.4	16.3	-169.16	175.6	366.7	227.5	194.2	33.28	6.837		
5,000.0	4,934.9	4,997.2	4,966.6	17.8	16.8	-169.24	180.8	379.5	234.6	200.4	34.14	6.871		
5,100.0	5,032.7	5,096.3	5,064.8	18.3	17.2	-169.33	185.9	392.3	241.7	206.7	34.99	6.906		
5,200.0	5,130.5	5,192.0	5,159.7	18.8	17.6	-169.47	190.5	403.7	249.8	214.0	35.84	6.971		
5,300.0	5,228.4	5,287.4	5,254.5	19.2	17.9	-169.68	194.5	413.6	259.5	222.9	36.66	7.079		
5,400.0	5,326.2	5,382.5	5,349.2	19.7	18.3	-169.96	197.9	422.0	270.9	233.4	37.48	7.228		
5,500.0	5,424.0	5,477.2	5,443.6	20.1	18.7	-170.30	200.7	428.9	283.8	245.6	38.27	7.416		
5,600.0	5,521.8	5,571.5	5,537.6	20.6	19.0	-170.67	202.9	434.3	298.4	259.3	39.05	7.642		
5,700.0	5,619.6	5,665.2	5,631.3	21.1	19.3	-171.07	204.5	438.3	314.5	274.7	39.79	7.904		
5,800.0	5,717.4	5,758.5	5,724.5	21.5	19.6	-171.50	205.6	440.9	332.3	291.8	40.50	8.204		
5,900.0	5,815.2	5,851.2	5,817.2	22.0	19.8	-171.93	206.0	442.0	351.6	310.4	41.12	8.549		
5,925.3	5,840.0	5,874.5	5,840.5	22.1	19.8	-172.04	206.1	442.1	356.7	315.4	41.26	8.646		
6,000.0	5,913.3	5,947.4	5,913.4	22.4	19.8	-172.38	206.1	442.1	371.1	329.5	41.67	8.906		
6,100.0	6,011.9	6,046.0	6,012.0	22.9	19.9	-172.75	206.1	442.1	387.5	345.3	42.23	9.176		
6,200.0	6,111.0	6,145.1	6,111.1	23.3	19.9	-173.02	206.1	442.1	400.5	357.7	42.76	9.366		
6,300.0	6,210.5	6,244.7	6,210.7	23.8	20.0	-173.20	206.1	442.1	410.0	366.7	43.25	9.479		
6,400.0	6,310.4	6,344.5	6,310.5	24.1	20.0	-173.32	206.1	442.1	416.1	372.4	43.70	9.521		
6,500.0	6,410.3	6,444.4	6,410.4	24.4	20.1	-173.36	206.1	442.1	418.7	374.6	44.07	9.501		
6,525.3	6,435.6	6,469.7	6,435.8	24.5	20.1	-101.37	206.1	442.1	418.8	374.7	44.11	9.495		
6,600.0	6,510.3	6,544.4	6,510.4	24.5	20.1	-101.37	206.1	442.1	418.8	374.6	44.16	9.484		
6,700.0	6,610.3	6,644.4	6,610.4	24.5	20.2	-101.37	206.1	442.1	418.8	374.6	44.24	9.467		
6,800.0	6,710.3	6,744.4	6,710.4	24.6	20.2	-101.37	206.1	442.1	418.8	374.5	44.31	9.451		
6,900.0	6,810.3	6,844.4	6,810.4	24.6	20.2	-101.37	206.1	442.1	418.8	374.4	44.39	9.434		
7,000.0	6,910.3	6,944.4	6,910.4	24.6	20.3	-101.37	206.1	442.1	418.8	374.3	44.47	9.418		
7,100.0	7,010.3	7,044.4	7,010.4	24.7	20.3	-101.37	206.1	442.1	418.8	374.2	44.55	9.401		
7,200.0	7,110.3	7,144.4	7,110.4	24.7	20.4	-101.37	206.1	442.1	418.8	374.2	44.63	9.385		
7,300.0	7,210.3	7,244.4	7,210.4	24.7	20.4	-101.37	206.1	442.1	418.8	374.1	44.71	9.368		
7,400.0	7,310.3	7,344.4	7,310.4	24.8	20.5	-101.37	206.1	442.1	418.8	374.0	44.79	9.351		
7,500.0	7,410.3	7,444.4	7,410.4	24.8	20.5	-101.37	206.1	442.1	418.8	373.9	44.87	9.334		
7,600.0	7,510.3	7,544.4	7,510.4	24.8	20.6	-101.37	206.1	442.1	418.8	373.8	44.95	9.318		
7,700.0	7,610.3	7,644.4	7,610.4	24.9	20.6	-101.37	206.1	442.1	418.8	373.8	45.03	9.301		
7,800.0	7,710.3	7,744.4	7,710.4	24.9	20.7	-101.37	206.1	442.1	418.8	373.7	45.11	9.284		
7,900.0	7,810.3	7,844.4	7,810.4	25.0	20.7	-101.37	206.1	442.1	418.8	373.6	45.19	9.267		
8,000.0	7,910.3	7,944.4	7,910.4	25.0	20.8	-101.37	206.1	442.1	418.8	373.5	45.27	9.250		
8,100.0	8,010.3	8,044.4	8,010.4	25.0	20.8	-101.37	206.1	442.1	418.8	373.4	45.36	9.233		
8,200.0	8,110.3	8,144.4	8,110.4	25.1	20.8	-101.37	206.1	442.1	418.8	373.4	45.44	9.216		
8,300.0	8,210.3	8,244.4	8,210.4	25.1	20.9	-101.37	206.1	442.1	418.8	373.3	45.52	9.199		
8,400.0	8,310.3	8,344.4	8,310.4	25.1	20.9	-101.37	206.1	442.1	418.8	373.2	45.61	9.182		
8,500.0	8,410.3	8,444.4	8,410.4	25.2	21.0	-101.37	206.1	442.1	418.8	373.1	45.69	9.165		
8,600.0	8,510.3	8,544.4	8,510.4	25.2	21.0	-101.37	206.1	442.1	418.8	373.0	45.78	9.148		
8,700.0	8,610.3	8,644.4	8,610.4	25.3	21.1	-101.37	206.1	442.1	418.8	372.9	45.86	9.131		
8,800.0	8,710.3	8,744.4	8,710.4	25.3	21.1	-101.37	206.1	442.1	418.8	372.8	45.95	9.114		
8,900.0	8,810.3	8,844.4	8,810.4	25.3	21.2	-101.37	206.1	442.1	418.8	372.8	46.04	9.097		
9,000.0	8,910.3	8,944.4	8,910.4	25.4	21.2	-101.37	206.1	442.1	418.8	372.7	46.12	9.080		
9,100.0	9,010.3	9,044.4	9,010.4	25.4	21.3	-101.37	206.1	442.1	418.8	372.6	46.21	9.063		
9,200.0	9,110.3	9,144.4	9,110.4	25.5	21.3	-101.37	206.1	442.1	418.8	372.5	46.30	9.046		
9,300.0	9,210.3	9,244.4	9,210.4	25.5	21.4	-101.37	206.1	442.1	418.8	372.4	46.38	9.029		
9,400.0	9,310.3	9,344.4	9,310.4	25.5	21.4	-101.37	206.1	442.1	418.8	372.3	46.47	9.012		
9,500.0	9,410.3	9,444.4	9,410.4	25.6	21.5	-101.37	206.1	442.1	418.8	372.2	46.56	8.995		
9,600.0	9,510.3	9,544.4	9,510.4	25.6	21.5	-101.37	206.1	442.1	418.8	372.1	46.65	8.977		
9,700.0	9,610.3	9,644.4	9,610.4	25.7	21.6	-101.37	206.1	442.1	418.8	372.1	46.74	8.960		
9,800.0	9,710.3	9,744.4	9,710.4	25.7	21.6	-101.37	206.1	442.1	418.8	372.0	46.83	8.943		

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		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	9,810.3	9,844.4	9,810.4	25.7	21.7	-101.37	206.1	442.1	418.8	371.9	46.92	8.926	
10,000.0	9,910.3	9,944.4	9,910.4	25.8	21.7	-101.37	206.1	442.1	418.8	371.8	47.01	8.909	
10,100.0	10,010.3	10,044.4	10,010.4	25.8	21.8	-101.37	206.1	442.1	418.8	371.7	47.10	8.891	
10,200.0	10,110.3	10,144.4	10,110.4	25.9	21.8	-101.37	206.1	442.1	418.8	371.6	47.19	8.874	
10,300.0	10,210.3	10,244.4	10,210.4	25.9	21.9	-101.37	206.1	442.1	418.8	371.5	47.28	8.857	
10,400.0	10,310.3	10,344.4	10,310.4	25.9	22.0	-101.37	206.1	442.1	418.8	371.4	47.38	8.840	
10,500.0	10,410.3	10,444.4	10,410.4	26.0	22.0	-101.37	206.1	442.1	418.8	371.3	47.47	8.823	
10,600.0	10,510.3	10,544.4	10,510.4	26.0	22.1	-101.37	206.1	442.1	418.8	371.2	47.56	8.805	
10,700.0	10,610.3	10,644.4	10,610.4	26.1	22.1	-101.37	206.1	442.1	418.8	371.1	47.65	8.788	
10,800.0	10,710.3	10,744.4	10,710.4	26.1	22.2	-101.37	206.1	442.1	418.8	371.0	47.75	8.771	
10,900.0	10,810.3	10,844.4	10,810.4	26.2	22.2	-101.37	206.1	442.1	418.8	371.0	47.84	8.754	
11,000.0	10,910.3	10,944.4	10,910.4	26.2	22.3	-101.37	206.1	442.1	418.8	370.9	47.94	8.736	
11,100.0	11,010.3	11,044.4	11,010.4	26.2	22.3	-101.37	206.1	442.1	418.8	370.8	48.03	8.719	
11,200.0	11,110.3	11,144.4	11,110.4	26.3	22.4	-101.37	206.1	442.1	418.8	370.7	48.12	8.703	
11,300.0	11,210.3	11,256.9	11,222.5	26.3	22.4	-100.35	213.6	442.1	417.6	369.4	48.22	8.660	
11,395.7	11,306.0	11,361.1	11,323.3	26.4	22.4	-96.80	239.6	442.0	413.9	366.0	47.93	8.637	
11,400.0	11,310.3	11,365.5	11,327.4	26.4	22.4	-96.45	241.1	442.0	413.8	365.8	47.92	8.634	
11,450.0	11,360.2	11,416.2	11,374.2	26.4	22.5	-94.25	260.7	441.9	412.1	364.5	47.59	8.658	
11,500.0	11,409.7	11,465.3	11,417.6	26.4	22.5	-92.04	283.5	441.9	411.1	363.9	47.20	8.709	
11,545.9	11,454.5	11,509.1	11,454.7	26.4	22.5	-90.02	306.9	441.8	410.8	364.0	46.83	8.773	
11,550.0	11,458.5	11,513.0	11,457.8	26.4	22.5	-89.84	309.1	441.8	410.8	364.0	46.79	8.780	
11,600.0	11,506.0	11,559.4	11,494.8	26.4	22.5	-87.66	337.2	441.7	411.2	364.8	46.38	8.865	
11,650.0	11,552.1	11,604.7	11,528.5	26.4	22.5	-85.52	367.3	441.6	412.2	366.2	46.01	8.960	
11,700.0	11,596.2	11,650.0	11,559.8	26.5	22.6	-83.39	400.1	441.5	413.8	368.2	45.67	9.062	
11,750.0	11,638.2	11,692.2	11,586.5	26.5	22.6	-81.42	432.8	441.4	416.0	370.5	45.43	9.155	
11,800.0	11,677.6	11,734.6	11,610.9	26.5	22.6	-79.48	467.5	441.3	418.5	373.2	45.27	9.245	
11,850.0	11,714.2	11,776.3	11,632.3	26.5	22.6	-77.64	503.3	441.2	421.4	376.2	45.19	9.324	
11,900.0	11,747.7	11,817.4	11,650.7	26.5	22.7	-75.90	539.9	441.1	424.5	379.3	45.20	9.391	
11,950.0	11,777.8	11,857.8	11,666.3	26.6	22.7	-74.26	577.2	441.0	427.8	382.5	45.30	9.445	
12,000.0	11,804.4	11,900.0	11,679.7	26.6	22.7	-72.68	617.3	440.9	431.2	385.8	45.42	9.494	
12,050.0	11,827.1	11,937.1	11,689.0	26.6	22.8	-71.35	653.2	440.8	434.6	388.9	45.70	9.510	
12,100.0	11,845.9	11,976.2	11,696.2	26.7	22.8	-70.09	691.5	440.7	437.9	392.0	45.98	9.524	
12,150.0	11,860.6	12,014.8	11,700.9	26.7	22.9	-68.95	729.9	440.6	441.1	394.8	46.30	9.527	
12,200.0	11,871.0	12,053.2	11,702.9	26.7	22.9	-67.95	768.2	440.4	444.0	397.4	46.64	9.521	
12,250.0	11,877.2	12,099.6	11,703.0	26.8	23.0	-67.07	814.7	440.3	446.4	399.5	46.85	9.527	
12,295.7	11,879.0	12,145.3	11,703.0	26.8	23.0	-66.79	860.3	440.2	447.1	400.1	47.02	9.509	
12,300.0	11,879.0	12,149.6	11,703.0	26.8	23.0	-66.79	864.6	440.2	447.1	400.1	47.03	9.506	
12,400.0	11,879.0	12,249.6	11,703.0	27.0	23.2	-66.79	964.6	439.9	447.1	399.7	47.42	9.428	
12,500.0	11,879.0	12,349.6	11,703.0	27.1	23.4	-66.80	1,064.6	439.6	447.1	399.3	47.86	9.342	
12,600.0	11,879.0	12,449.6	11,703.0	27.3	23.6	-66.80	1,164.6	439.3	447.1	398.8	48.34	9.249	
12,700.0	11,879.0	12,549.6	11,703.0	27.5	23.8	-66.80	1,264.6	439.0	447.2	398.3	48.87	9.150	
12,800.0	11,879.0	12,649.6	11,703.0	27.7	24.1	-66.80	1,364.6	438.7	447.2	397.7	49.43	9.046	
12,900.0	11,879.0	12,749.6	11,703.0	27.9	24.4	-66.80	1,464.6	438.4	447.2	397.1	50.04	8.937	
13,000.0	11,879.0	12,849.6	11,703.0	28.2	24.7	-66.80	1,564.6	438.1	447.2	396.5	50.68	8.824	
13,100.0	11,879.0	12,949.6	11,703.0	28.5	25.0	-66.80	1,664.6	437.8	447.2	395.9	51.36	8.707	
13,200.0	11,879.0	13,049.6	11,703.0	28.8	25.3	-66.80	1,764.6	437.5	447.2	395.2	52.08	8.588	
13,300.0	11,879.0	13,149.6	11,703.0	29.1	25.7	-66.80	1,864.6	437.2	447.2	394.4	52.83	8.466	
13,400.0	11,879.0	13,249.6	11,703.0	29.4	26.1	-66.80	1,964.6	437.0	447.3	393.7	53.61	8.343	
13,500.0	11,879.0	13,349.6	11,703.0	29.8	26.5	-66.80	2,064.6	436.7	447.3	392.9	54.42	8.219	
13,600.0	11,879.0	13,449.6	11,703.0	30.1	26.9	-66.81	2,164.6	436.4	447.3	392.0	55.26	8.094	
13,700.0	11,879.0	13,549.6	11,703.0	30.5	27.3	-66.81	2,264.6	436.1	447.3	391.2	56.13	7.969	
13,800.0	11,879.0	13,649.6	11,703.0	30.9	27.8	-66.81	2,364.6	435.8	447.3	390.3	57.03	7.843	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,900.0	11,879.0	13,749.6	11,703.0	31.3	28.3	-66.81	2,464.6	435.5	447.3	389.4	57.96	7.719	
14,000.0	11,879.0	13,849.6	11,703.0	31.8	28.7	-66.81	2,564.6	435.2	447.4	388.5	58.90	7.595	
14,100.0	11,879.0	13,949.6	11,703.0	32.2	29.2	-66.81	2,664.6	434.9	447.4	387.5	59.88	7.472	
14,200.0	11,879.0	14,049.6	11,703.0	32.7	29.7	-66.81	2,764.6	434.6	447.4	386.5	60.87	7.350	
14,300.0	11,879.0	14,149.6	11,703.0	33.1	30.3	-66.81	2,864.6	434.3	447.4	385.5	61.88	7.230	
14,400.0	11,879.0	14,249.6	11,703.0	33.6	30.8	-66.81	2,964.6	434.0	447.4	384.5	62.92	7.111	
14,500.0	11,879.0	14,349.6	11,703.0	34.1	31.3	-66.81	3,064.6	433.7	447.4	383.5	63.97	6.994	
14,600.0	11,879.0	14,449.6	11,703.0	34.6	31.9	-66.82	3,164.6	433.4	447.5	382.4	65.04	6.879	
14,700.0	11,879.0	14,549.6	11,703.0	35.1	32.5	-66.82	3,264.6	433.2	447.5	381.3	66.13	6.766	
14,800.0	11,879.0	14,649.6	11,703.0	35.6	33.0	-66.82	3,364.6	432.9	447.5	380.2	67.24	6.655	
14,900.0	11,879.0	14,749.6	11,703.0	36.2	33.6	-66.82	3,464.6	432.6	447.5	379.1	68.36	6.546	
15,000.0	11,879.0	14,849.6	11,703.0	36.7	34.2	-66.82	3,564.6	432.3	447.5	378.0	69.50	6.439	
15,100.0	11,879.0	14,949.6	11,703.0	37.3	34.8	-66.82	3,664.6	432.0	447.5	376.9	70.65	6.335	
15,200.0	11,879.0	15,049.6	11,703.0	37.8	35.4	-66.82	3,764.6	431.7	447.5	375.7	71.81	6.232	
15,300.0	11,879.0	15,149.6	11,703.0	38.4	36.0	-66.82	3,864.6	431.4	447.6	374.6	72.99	6.132	
15,400.0	11,879.0	15,249.6	11,703.0	38.9	36.6	-66.82	3,964.6	431.1	447.6	373.4	74.18	6.034	
15,500.0	11,879.0	15,349.6	11,703.0	39.5	37.2	-66.82	4,064.6	430.8	447.6	372.2	75.38	5.938	
15,600.0	11,879.0	15,449.6	11,703.0	40.1	37.9	-66.82	4,164.6	430.5	447.6	371.0	76.59	5.844	
15,700.0	11,879.0	15,549.6	11,703.0	40.7	38.5	-66.83	4,264.6	430.2	447.6	369.8	77.81	5.753	
15,800.0	11,879.0	15,649.6	11,703.0	41.3	39.1	-66.83	4,364.6	429.9	447.6	368.6	79.04	5.663	
15,900.0	11,879.0	15,749.6	11,703.0	41.9	39.8	-66.83	4,464.6	429.6	447.7	367.4	80.28	5.576	
16,000.0	11,879.0	15,849.6	11,703.0	42.5	40.4	-66.83	4,564.6	429.4	447.7	366.1	81.54	5.491	
16,100.0	11,879.0	15,949.6	11,703.0	43.1	41.1	-66.83	4,664.6	429.1	447.7	364.9	82.80	5.407	
16,200.0	11,879.0	16,049.6	11,703.0	43.7	41.7	-66.83	4,764.6	428.8	447.7	363.6	84.06	5.326	
16,300.0	11,879.0	16,149.6	11,703.0	44.4	42.4	-66.83	4,864.6	428.5	447.7	362.4	85.34	5.246	
16,400.0	11,879.0	16,249.6	11,703.0	45.0	43.0	-66.83	4,964.6	428.2	447.7	361.1	86.62	5.169	
16,500.0	11,879.0	16,349.6	11,703.0	45.6	43.7	-66.83	5,064.6	427.9	447.7	359.8	87.91	5.093	
16,600.0	11,879.0	16,449.6	11,703.0	46.3	44.4	-66.83	5,164.6	427.6	447.8	358.6	89.21	5.019	
16,700.0	11,879.0	16,549.6	11,703.0	46.9	45.0	-66.83	5,264.6	427.3	447.8	357.3	90.52	4.947	
16,800.0	11,879.0	16,649.6	11,703.0	47.5	45.7	-66.84	5,364.6	427.0	447.8	356.0	91.83	4.877	
16,900.0	11,879.0	16,749.6	11,703.0	48.2	46.4	-66.84	5,464.6	426.7	447.8	354.7	93.14	4.808	
17,000.0	11,879.0	16,849.6	11,703.0	48.8	47.1	-66.84	5,564.6	426.4	447.8	353.4	94.47	4.741	
17,100.0	11,879.0	16,949.6	11,703.0	49.5	47.7	-66.84	5,664.6	426.1	447.8	352.0	95.80	4.675	
17,200.0	11,879.0	17,049.6	11,703.0	50.1	48.4	-66.84	5,764.6	425.9	447.9	350.7	97.13	4.611	
17,300.0	11,879.0	17,149.6	11,703.0	50.8	49.1	-66.84	5,864.6	425.6	447.9	349.4	98.47	4.548	
17,400.0	11,879.0	17,249.6	11,703.0	51.5	49.8	-66.84	5,964.6	425.3	447.9	348.1	99.81	4.487	
17,500.0	11,879.0	17,349.6	11,703.0	52.1	50.5	-66.84	6,064.6	425.0	447.9	346.7	101.16	4.428	
17,600.0	11,879.0	17,449.6	11,703.0	52.8	51.2	-66.84	6,164.6	424.7	447.9	345.4	102.51	4.369	
17,700.0	11,879.0	17,549.6	11,703.0	53.5	51.9	-66.84	6,264.6	424.4	447.9	344.1	103.87	4.312	
17,800.0	11,879.0	17,649.6	11,703.0	54.1	52.6	-66.84	6,364.6	424.1	448.0	342.7	105.23	4.257	
17,900.0	11,879.0	17,749.6	11,703.0	54.8	53.3	-66.85	6,464.6	423.8	448.0	341.4	106.60	4.202	
18,000.0	11,879.0	17,849.6	11,703.0	55.5	54.0	-66.85	6,564.6	423.5	448.0	340.0	107.97	4.149	
18,100.0	11,879.0	17,949.6	11,703.0	56.2	54.7	-66.85	6,664.6	423.2	448.0	338.7	109.34	4.097	
18,200.0	11,879.0	18,049.6	11,703.0	56.9	55.4	-66.85	6,764.6	422.9	448.0	337.3	110.72	4.046	
18,300.0	11,879.0	18,149.6	11,703.0	57.5	56.1	-66.85	6,864.6	422.6	448.0	335.9	112.10	3.997	
18,400.0	11,879.0	18,249.6	11,703.0	58.2	56.8	-66.85	6,964.6	422.3	448.0	334.6	113.48	3.948	
18,500.0	11,879.0	18,349.6	11,703.0	58.9	57.5	-66.85	7,064.6	422.1	448.1	333.2	114.87	3.901	
18,600.0	11,879.0	18,449.6	11,703.0	59.6	58.2	-66.85	7,164.6	421.8	448.1	331.8	116.26	3.854	
18,700.0	11,879.0	18,549.6	11,703.0	60.3	58.9	-66.85	7,264.6	421.5	448.1	330.4	117.65	3.809	
18,800.0	11,879.0	18,649.6	11,703.0	61.0	59.6	-66.85	7,364.6	421.2	448.1	329.1	119.05	3.764	
18,900.0	11,879.0	18,749.6	11,703.0	61.7	60.4	-66.85	7,464.6	420.9	448.1	327.7	120.45	3.720	
19,000.0	11,879.0	18,849.6	11,703.0	62.4	61.1	-66.86	7,564.6	420.6	448.1	326.3	121.85	3.678	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		Rule Assigned: Distance			Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)			
19,100.0	11,879.0	18,949.6	11,703.0	63.1	61.8	-66.86	7,664.6	420.3	448.2	324.9	123.25	3.636		
19,200.0	11,879.0	19,049.6	11,703.0	63.8	62.5	-66.86	7,764.6	420.0	448.2	323.5	124.66	3.595		
19,300.0	11,879.0	19,149.6	11,703.0	64.5	63.2	-66.86	7,864.6	419.7	448.2	322.1	126.07	3.555		
19,400.0	11,879.0	19,249.6	11,703.0	65.2	63.9	-66.86	7,964.6	419.4	448.2	320.7	127.48	3.516		
19,500.0	11,879.0	19,349.6	11,703.0	65.9	64.7	-66.86	8,064.6	419.1	448.2	319.3	128.90	3.477		
19,600.0	11,879.0	19,449.6	11,703.0	66.6	65.4	-66.86	8,164.6	418.8	448.2	317.9	130.31	3.440		
19,700.0	11,879.0	19,549.6	11,703.0	67.3	66.1	-66.86	8,264.6	418.6	448.3	316.5	131.73	3.403		
19,800.0	11,879.0	19,649.6	11,703.0	68.0	66.8	-66.86	8,364.6	418.3	448.3	315.1	133.15	3.367		
19,900.0	11,879.0	19,749.6	11,703.0	68.7	67.6	-66.86	8,464.6	418.0	448.3	313.7	134.57	3.331		
20,000.0	11,879.0	19,849.6	11,703.0	69.4	68.3	-66.86	8,564.6	417.7	448.3	312.3	136.00	3.296		
20,100.0	11,879.0	19,949.6	11,703.0	70.1	69.0	-66.87	8,664.6	417.4	448.3	310.9	137.42	3.262		
20,200.0	11,879.0	20,049.6	11,703.0	70.9	69.7	-66.87	8,764.6	417.1	448.3	309.5	138.85	3.229		
20,300.0	11,879.0	20,149.6	11,703.0	71.6	70.5	-66.87	8,864.6	416.8	448.3	308.1	140.28	3.196		
20,400.0	11,879.0	20,249.6	11,703.0	72.3	71.2	-66.87	8,964.6	416.5	448.4	306.7	141.71	3.164		
20,500.0	11,879.0	20,349.6	11,703.0	73.0	71.9	-66.87	9,064.6	416.2	448.4	305.2	143.14	3.132		
20,600.0	11,879.0	20,449.6	11,703.0	73.7	72.6	-66.87	9,164.6	415.9	448.4	303.8	144.58	3.101		
20,700.0	11,879.0	20,549.6	11,703.0	74.4	73.4	-66.87	9,264.6	415.6	448.4	302.4	146.01	3.071		
20,800.0	11,879.0	20,649.6	11,703.0	75.2	74.1	-66.87	9,364.6	415.3	448.4	301.0	147.45	3.041		
20,900.0	11,879.0	20,749.6	11,703.0	75.9	74.8	-66.87	9,464.6	415.0	448.4	299.6	148.89	3.012		
21,000.0	11,879.0	20,849.6	11,703.0	76.6	75.6	-66.87	9,564.6	414.8	448.5	298.1	150.33	2.983		
21,100.0	11,879.0	20,949.6	11,703.0	77.3	76.3	-66.87	9,664.6	414.5	448.5	296.7	151.77	2.955		
21,200.0	11,879.0	21,049.6	11,703.0	78.0	77.0	-66.88	9,764.6	414.2	448.5	295.3	153.21	2.927		
21,300.0	11,879.0	21,149.6	11,703.0	78.8	77.8	-66.88	9,864.6	413.9	448.5	293.8	154.66	2.900		
21,400.0	11,879.0	21,249.6	11,703.0	79.5	78.5	-66.88	9,964.6	413.6	448.5	292.4	156.10	2.873		
21,500.0	11,879.0	21,349.6	11,703.0	80.2	79.2	-66.88	10,064.6	413.3	448.5	291.0	157.55	2.847		
21,600.0	11,879.0	21,449.6	11,703.0	80.9	80.0	-66.88	10,164.6	413.0	448.5	289.6	159.00	2.821		
21,700.0	11,879.0	21,549.6	11,703.0	81.7	80.7	-66.88	10,264.6	412.7	448.6	288.1	160.45	2.796		
21,800.0	11,879.0	21,649.6	11,703.0	82.4	81.4	-66.88	10,364.6	412.4	448.6	286.7	161.90	2.771		
21,900.0	11,879.0	21,749.6	11,703.0	83.1	82.2	-66.88	10,464.6	412.1	448.6	285.2	163.35	2.746		
22,000.0	11,879.0	21,849.6	11,703.0	83.8	82.9	-66.88	10,564.6	411.8	448.6	283.8	164.80	2.722		
22,100.0	11,879.0	21,949.6	11,703.0	84.6	83.7	-66.88	10,664.6	411.5	448.6	282.4	166.26	2.698		
22,142.9	11,879.0	21,992.5	11,703.0	84.9	84.0	-66.88	10,707.5	411.4	448.6	281.8	166.88	2.688		
22,145.8	11,879.0	21,995.3	11,703.0	84.9	84.0	-66.88	10,710.3	411.4	448.6	281.7	166.92	2.688		
22,192.9	11,879.0	22,041.7	11,703.0	85.2	84.3	-66.88	10,756.7	411.3	448.6	281.0	167.60	2.677 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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11277-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	0.1	0.1	3.0	3.0	90.51	-0.3	30.1	30.1					
100.0	100.0	100.1	100.1	3.0	3.0	90.51	-0.3	30.1	30.1	23.6	6.52	4.613		
200.0	200.0	200.1	200.1	3.2	3.2	90.51	-0.3	30.1	30.1	23.3	6.76	4.450		
300.0	300.0	300.1	300.1	3.3	3.3	90.51	-0.3	30.1	30.1	23.1	6.99	4.302		
400.0	400.0	400.1	400.1	3.4	3.4	90.51	-0.3	30.1	30.1	22.9	7.21	4.169		
500.0	500.0	500.1	500.1	3.5	3.5	90.51	-0.3	30.1	30.1	22.7	7.43	4.048		
600.0	600.0	600.1	600.1	3.7	3.7	90.51	-0.3	30.1	30.1	22.4	7.64	3.937		
700.0	700.0	700.1	700.1	3.8	3.8	90.51	-0.3	30.1	30.1	22.2	7.84	3.835		
800.0	800.0	800.1	800.1	3.9	3.9	90.51	-0.3	30.1	30.1	22.0	8.04	3.741		
900.0	900.0	900.1	900.1	4.0	4.0	90.51	-0.3	30.1	30.1	21.8	8.23	3.653		
1,000.0	1,000.0	1,000.1	1,000.1	4.2	4.2	90.51	-0.3	30.1	30.1	21.7	8.42	3.571		
1,100.0	1,100.0	1,100.1	1,100.1	4.3	4.3	90.51	-0.3	30.1	30.1	21.5	8.61	3.495		
1,200.0	1,200.0	1,200.1	1,200.1	4.4	4.4	90.51	-0.3	30.1	30.1	21.3	8.79	3.423		
1,300.0	1,300.0	1,300.1	1,300.1	4.5	4.5	90.51	-0.3	30.1	30.1	21.1	8.96	3.356		
1,400.0	1,400.0	1,400.1	1,400.1	4.6	4.6	90.51	-0.3	30.1	30.1	20.9	9.13	3.293		
1,466.6	1,466.6	1,466.7	1,466.7	4.7	4.7	90.51	-0.3	30.1	30.1	20.8	9.25	3.253		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	90.51	-0.3	30.1	30.1	20.8	9.30	3.233		
1,600.0	1,600.0	1,599.4	1,599.4	4.9	4.9	30.52	0.4	31.2	30.1	20.5	9.53	3.156		
1,700.0	1,699.9	1,698.7	1,698.6	5.0	5.0	30.54	2.3	34.6	30.1	20.1	9.93	3.028		
1,800.0	1,799.7	1,798.0	1,797.7	5.2	5.2	30.59	5.5	40.1	30.0	19.7	10.34	2.903		
1,839.7	1,839.2	1,837.4	1,837.0	5.3	5.2	30.61	7.2	43.0	30.0	19.5	10.47	2.866 CC		
1,900.0	1,899.3	1,897.1	1,896.4	5.4	5.3	31.05	9.8	48.2	30.2	19.5	10.69	2.827 ES		
2,000.0	1,998.6	1,996.1	1,994.6	5.7	5.6	33.22	14.4	59.5	31.6	20.4	11.17	2.826		
2,033.3	2,031.6	2,029.0	2,027.2	5.7	5.7	34.29	16.0	64.1	32.3	21.0	11.29	2.860		
2,100.0	2,097.5	2,094.9	2,092.2	5.9	5.9	31.69	19.2	74.3	33.9	22.3	11.58	2.929		
2,200.0	2,196.0	2,193.7	2,189.2	6.2	6.3	28.72	24.3	92.3	36.3	24.2	12.14	2.993		
2,257.8	2,252.6	2,250.8	2,244.9	6.4	6.5	27.27	27.3	104.3	37.7	25.3	12.42	3.034		
2,300.0	2,293.9	2,292.4	2,285.4	6.5	6.6	27.61	29.5	113.7	39.0	26.3	12.63	3.086		
2,400.0	2,391.7	2,392.2	2,382.2	6.8	7.0	28.00	34.9	137.2	42.9	29.7	13.23	3.247		
2,500.0	2,489.5	2,492.1	2,479.2	7.1	7.3	28.32	40.4	160.7	46.9	33.1	13.86	3.388		
2,600.0	2,587.4	2,592.0	2,576.1	7.5	7.7	28.60	45.8	184.3	50.9	36.4	14.51	3.510		
2,700.0	2,685.2	2,692.0	2,673.1	7.9	8.0	28.83	51.2	207.8	54.9	39.7	15.19	3.617		
2,800.0	2,783.0	2,791.9	2,770.1	8.2	8.4	29.03	56.7	231.4	58.9	43.0	15.89	3.709		
2,900.0	2,880.8	2,891.8	2,867.0	8.6	8.8	29.21	62.1	255.0	62.9	46.3	16.60	3.790		
3,000.0	2,978.6	2,991.7	2,964.0	9.0	9.2	29.36	67.6	278.5	66.9	49.6	17.33	3.861		
3,100.0	3,076.4	3,091.6	3,060.9	9.4	9.6	29.50	73.0	302.1	70.9	52.8	18.08	3.923		
3,200.0	3,174.2	3,191.6	3,157.9	9.9	10.1	29.62	78.4	325.6	74.9	56.1	18.83	3.978		
3,300.0	3,272.1	3,291.5	3,254.8	10.3	10.5	29.74	83.9	349.2	78.9	59.3	19.60	4.027		
3,400.0	3,369.9	3,391.4	3,351.8	10.7	10.9	29.84	89.3	372.7	82.9	62.5	20.37	4.070		
3,500.0	3,467.7	3,491.3	3,448.7	11.1	11.3	29.93	94.7	396.3	86.9	65.8	21.15	4.108		
3,600.0	3,565.5	3,591.2	3,545.7	11.6	11.8	30.01	100.2	419.8	90.9	69.0	21.94	4.143		
3,700.0	3,663.3	3,691.2	3,642.6	12.0	12.2	30.08	105.6	443.4	94.9	72.2	22.74	4.173		
3,800.0	3,761.1	3,791.1	3,739.6	12.4	12.7	30.15	111.1	466.9	98.9	75.4	23.54	4.201		
3,900.0	3,859.0	3,891.0	3,836.5	12.9	13.1	30.22	116.5	490.5	102.9	78.6	24.35	4.226		
4,000.0	3,956.8	3,990.9	3,933.5	13.3	13.6	30.28	121.9	514.0	106.9	81.7	25.16	4.249		
4,100.0	4,054.6	4,090.8	4,030.4	13.8	14.0	30.33	127.4	537.6	110.9	84.9	25.98	4.269		
4,200.0	4,152.4	4,190.8	4,127.4	14.2	14.5	30.38	132.8	561.1	114.9	88.1	26.80	4.288		
4,300.0	4,250.2	4,290.7	4,224.3	14.7	15.0	30.43	138.2	584.7	118.9	91.3	27.62	4.305		
4,400.0	4,348.0	4,390.6	4,321.3	15.1	15.4	30.48	143.7	608.3	122.9	94.5	28.45	4.320		
4,500.0	4,445.8	4,490.5	4,418.2	15.6	15.9	30.52	149.1	631.8	126.9	97.6	29.28	4.335		
4,600.0	4,543.7	4,590.4	4,515.2	16.0	16.4	30.56	154.6	655.4	130.9	100.8	30.11	4.348		
4,700.0	4,641.5	4,690.4	4,612.1	16.5	16.8	30.59	160.0	678.9	134.9	104.0	30.94	4.360		

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11277-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:	
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
4,800.0	4,739.3	4,790.3	4,709.1	16.9	17.3	30.63		165.4	702.5	138.9	107.1	31.78	4.371
4,900.0	4,837.1	4,890.2	4,806.0	17.4	17.8	30.66		170.9	726.0	142.9	110.3	32.62	4.381
5,000.0	4,934.9	4,990.1	4,903.0	17.8	18.2	30.69		176.3	749.6	146.9	113.4	33.46	4.391
5,100.0	5,032.7	5,090.0	4,999.9	18.3	18.7	30.72		181.8	773.1	150.9	116.6	34.30	4.400
5,200.0	5,130.5	5,190.0	5,096.9	18.8	19.2	30.75		187.2	796.7	154.9	119.8	35.14	4.408
5,300.0	5,228.4	5,289.9	5,193.8	19.2	19.6	30.78		192.6	820.2	158.9	122.9	35.99	4.415
5,400.0	5,326.2	5,389.8	5,290.8	19.7	20.1	30.80		198.1	843.8	162.9	126.1	36.83	4.423
5,500.0	5,424.0	5,489.7	5,387.8	20.1	20.6	30.83		203.5	867.3	166.9	129.2	37.68	4.429
5,600.0	5,521.8	5,589.6	5,484.7	20.6	21.1	30.85		208.9	890.9	170.9	132.4	38.53	4.435
5,700.0	5,619.6	5,689.6	5,581.7	21.1	21.6	30.87		214.4	914.4	174.9	135.5	39.38	4.441
5,800.0	5,717.4	5,789.5	5,678.6	21.5	22.0	30.89		219.8	938.0	178.9	138.7	40.23	4.447
5,900.0	5,815.2	5,889.4	5,775.6	22.0	22.5	30.91		225.3	961.6	182.9	141.8	41.08	4.452
5,925.3	5,840.0	5,914.7	5,800.1	22.1	22.6	30.92		226.6	967.5	183.9	142.6	41.29	4.454
6,000.0	5,913.3	5,989.3	5,872.5	22.4	23.0	30.82		230.7	985.1	187.7	145.8	41.96	4.474
6,100.0	6,011.9	6,089.0	5,969.2	22.9	23.5	30.26		236.1	1,008.6	195.5	152.5	42.98	4.548
6,200.0	6,111.0	6,188.3	6,065.6	23.3	23.9	29.30		241.5	1,032.0	206.3	162.2	44.09	4.679
6,300.0	6,210.5	6,287.2	6,161.5	23.8	24.4	28.05		246.9	1,055.3	220.2	174.9	45.25	4.866
6,400.0	6,310.4	6,385.5	6,256.9	24.1	24.9	26.59		252.3	1,078.5	237.3	190.9	46.43	5.111
6,500.0	6,410.3	6,483.1	6,351.6	24.4	25.4	25.05		257.6	1,101.5	257.7	210.1	47.56	5.417
6,525.3	6,435.6	6,507.7	6,375.5	24.5	25.5	96.65		258.9	1,107.3	263.3	215.5	47.81	5.508
6,600.0	6,510.3	6,580.2	6,445.8	24.5	25.8	95.41		262.8	1,124.4	280.5	232.0	48.46	5.788
6,700.0	6,610.3	6,677.2	6,540.0	24.5	26.3	93.97		268.1	1,147.3	303.6	254.3	49.27	6.161
6,800.0	6,710.3	6,774.2	6,634.1	24.6	26.8	92.74		273.4	1,170.1	326.8	276.8	50.04	6.531
6,900.0	6,810.3	6,878.0	6,734.9	24.6	27.3	91.62		278.9	1,194.0	349.8	299.0	50.81	6.883
7,000.0	6,910.3	6,989.5	6,844.0	24.6	27.8	90.72		284.0	1,216.2	369.5	318.0	51.54	7.170
7,100.0	7,010.3	7,102.6	6,955.6	24.7	28.3	90.05		288.2	1,234.4	385.6	333.5	52.15	7.394
7,200.0	7,110.3	7,217.1	7,069.2	24.7	28.8	89.58		291.5	1,248.4	397.9	345.3	52.63	7.560
7,300.0	7,210.3	7,326.6	7,184.2	24.7	29.3	89.28		293.7	1,258.1	406.3	353.4	52.98	7.670
7,400.0	7,310.3	7,448.6	7,300.2	24.8	29.7	89.12		294.9	1,263.3	410.8	357.6	53.15	7.728
7,500.0	7,410.3	7,558.9	7,410.4	24.8	29.9	89.09		295.1	1,264.2	411.6	358.4	53.17	7.741
7,600.0	7,510.3	7,658.9	7,510.4	24.8	29.9	89.09		295.1	1,264.2	411.6	358.3	53.23	7.732
7,700.0	7,610.3	7,758.9	7,610.4	24.9	29.9	89.09		295.1	1,264.2	411.6	358.3	53.29	7.723
7,800.0	7,710.3	7,858.9	7,710.4	24.9	29.9	89.09		295.1	1,264.2	411.6	358.2	53.35	7.714
7,900.0	7,810.3	7,958.9	7,810.4	25.0	30.0	89.09		295.1	1,264.2	411.6	358.2	53.42	7.705
8,000.0	7,910.3	8,058.9	7,910.4	25.0	30.0	89.09		295.1	1,264.2	411.6	358.1	53.48	7.695
8,100.0	8,010.3	8,158.9	8,010.4	25.0	30.0	89.09		295.1	1,264.2	411.6	358.0	53.55	7.686
8,200.0	8,110.3	8,258.9	8,110.4	25.1	30.0	89.09		295.1	1,264.2	411.6	358.0	53.62	7.676
8,300.0	8,210.3	8,358.9	8,210.4	25.1	30.1	89.09		295.1	1,264.2	411.6	357.9	53.68	7.667
8,400.0	8,310.3	8,458.9	8,310.4	25.1	30.1	89.09		295.1	1,264.2	411.6	357.8	53.75	7.658
8,500.0	8,410.3	8,558.9	8,410.4	25.2	30.1	89.09		295.1	1,264.2	411.6	357.8	53.81	7.648
8,600.0	8,510.3	8,658.9	8,510.4	25.2	30.2	89.09		295.1	1,264.2	411.6	357.7	53.88	7.638
8,700.0	8,610.3	8,758.9	8,610.4	25.3	30.2	89.09		295.1	1,264.2	411.6	357.6	53.95	7.629
8,800.0	8,710.3	8,858.9	8,710.4	25.3	30.2	89.09		295.1	1,264.2	411.6	357.6	54.02	7.619
8,900.0	8,810.3	8,958.9	8,810.4	25.3	30.3	89.09		295.1	1,264.2	411.6	357.5	54.09	7.610
9,000.0	8,910.3	9,058.9	8,910.4	25.4	30.3	89.09		295.1	1,264.2	411.6	357.4	54.16	7.600
9,100.0	9,010.3	9,158.9	9,010.4	25.4	30.3	89.09		295.1	1,264.2	411.6	357.3	54.22	7.590
9,200.0	9,110.3	9,258.9	9,110.4	25.5	30.3	89.09		295.1	1,264.2	411.6	357.3	54.29	7.580
9,300.0	9,210.3	9,358.9	9,210.4	25.5	30.4	89.09		295.1	1,264.2	411.6	357.2	54.36	7.571
9,400.0	9,310.3	9,458.9	9,310.4	25.5	30.4	89.09		295.1	1,264.2	411.6	357.1	54.43	7.561
9,500.0	9,410.3	9,558.9	9,410.4	25.6	30.4	89.09		295.1	1,264.2	411.6	357.1	54.51	7.551
9,600.0	9,510.3	9,658.9	9,510.4	25.6	30.5	89.09		295.1	1,264.2	411.6	357.0	54.58	7.541
9,700.0	9,610.3	9,758.9	9,610.4	25.7	30.5	89.09		295.1	1,264.2	411.6	356.9	54.65	7.531

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11277-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)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,800.0	9,710.3	9,858.9	9,710.4	25.7	30.5	89.09	295.1	1,264.2	411.6	356.9	54.72	7.521		
9,900.0	9,810.3	9,958.9	9,810.4	25.7	30.6	89.09	295.1	1,264.2	411.6	356.8	54.79	7.511		
10,000.0	9,910.3	10,058.9	9,910.4	25.8	30.6	89.09	295.1	1,264.2	411.6	356.7	54.87	7.502		
10,100.0	10,010.3	10,158.9	10,010.4	25.8	30.6	89.09	295.1	1,264.2	411.6	356.6	54.94	7.492		
10,200.0	10,110.3	10,258.9	10,110.4	25.9	30.7	89.09	295.1	1,264.2	411.6	356.6	55.01	7.482		
10,300.0	10,210.3	10,358.9	10,210.4	25.9	30.7	89.09	295.1	1,264.2	411.6	356.5	55.09	7.471		
10,400.0	10,310.3	10,458.9	10,310.4	25.9	30.7	89.09	295.1	1,264.2	411.6	356.4	55.16	7.461		
10,500.0	10,410.3	10,558.9	10,410.4	26.0	30.8	89.09	295.1	1,264.2	411.6	356.3	55.23	7.451		
10,600.0	10,510.3	10,658.9	10,510.4	26.0	30.8	89.09	295.1	1,264.2	411.6	356.3	55.31	7.441		
10,700.0	10,610.3	10,758.9	10,610.4	26.1	30.8	89.09	295.1	1,264.2	411.6	356.2	55.39	7.431		
10,800.0	10,710.3	10,858.9	10,710.4	26.1	30.9	89.09	295.1	1,264.2	411.6	356.1	55.46	7.421		
10,900.0	10,810.3	10,958.9	10,810.4	26.2	30.9	89.09	295.1	1,264.2	411.6	356.0	55.54	7.411		
11,000.0	10,910.3	11,058.9	10,910.4	26.2	30.9	89.09	295.1	1,264.2	411.6	356.0	55.61	7.401		
11,100.0	11,010.3	11,158.9	11,010.4	26.2	31.0	89.09	295.1	1,264.2	411.6	355.9	55.69	7.390		
11,200.0	11,110.3	11,258.9	11,110.4	26.3	31.0	89.09	295.1	1,264.2	411.6	355.8	55.76	7.381		
11,210.0	11,120.3	11,268.9	11,120.4	26.3	31.0	89.09	295.1	1,264.2	411.6	355.8	55.77	7.380		
11,300.0	11,210.3	11,357.6	11,208.9	26.3	31.0	88.35	300.4	1,264.2	411.7	355.7	55.97	7.356		
11,395.7	11,306.0	11,447.9	11,297.0	26.4	31.0	85.68	319.7	1,264.1	412.7	356.2	56.56	7.298		
11,400.0	11,310.3	11,451.8	11,300.7	26.4	31.0	85.67	320.8	1,264.1	412.8	356.2	56.60	7.294		
11,450.0	11,360.2	11,496.6	11,343.0	26.4	31.0	83.77	335.8	1,264.1	414.2	357.2	56.99	7.268		
11,500.0	11,409.7	11,540.6	11,383.2	26.4	31.0	81.94	353.6	1,264.0	416.0	358.6	57.33	7.255		
11,550.0	11,458.5	11,583.7	11,421.2	26.4	31.1	80.17	374.0	1,264.0	418.1	360.5	57.65	7.252		
11,600.0	11,506.0	11,626.2	11,456.9	26.4	31.1	78.50	396.8	1,263.9	420.5	362.6	57.94	7.258		
11,650.0	11,552.1	11,668.0	11,490.4	26.4	31.1	76.91	421.8	1,263.8	423.1	364.9	58.20	7.271		
11,700.0	11,596.2	11,709.2	11,521.6	26.5	31.1	75.43	448.8	1,263.8	425.9	367.5	58.42	7.290		
11,750.0	11,638.2	11,750.0	11,550.4	26.5	31.1	74.05	477.7	1,263.7	428.7	370.1	58.62	7.313		
11,800.0	11,677.6	11,790.2	11,576.7	26.5	31.1	72.79	508.0	1,263.6	431.5	372.7	58.79	7.339		
11,850.0	11,714.2	11,830.1	11,600.7	26.5	31.1	71.64	539.9	1,263.5	434.2	375.3	58.94	7.368		
11,900.0	11,747.7	11,869.6	11,622.2	26.5	31.1	70.62	573.1	1,263.4	436.8	377.8	59.05	7.397		
11,950.0	11,777.8	11,908.8	11,641.2	26.6	31.2	69.71	607.4	1,263.3	439.2	380.1	59.14	7.427		
12,000.0	11,804.4	11,950.0	11,658.6	26.6	31.2	68.91	644.6	1,263.2	441.4	382.2	59.22	7.453		
12,050.0	11,827.1	11,986.6	11,671.8	26.6	31.2	68.29	678.8	1,263.2	443.2	384.0	59.24	7.482		
12,100.0	11,845.9	12,025.2	11,683.3	26.7	31.2	67.76	715.6	1,263.1	444.8	385.5	59.25	7.507		
12,150.0	11,860.6	12,063.7	11,692.3	26.7	31.3	67.37	753.0	1,262.9	446.0	386.7	59.24	7.528		
12,200.0	11,871.0	12,100.0	11,698.5	26.7	31.3	67.11	788.8	1,262.9	446.8	387.6	59.17	7.551		
12,250.0	11,877.2	12,140.4	11,702.7	26.8	31.3	66.97	828.9	1,262.7	447.2	388.1	59.14	7.562		
12,295.7	11,879.0	12,175.4	11,704.0	26.8	31.4	66.95	863.9	1,262.6	447.3	388.2	59.07	7.572		
12,300.0	11,879.0	12,179.5	11,704.0	26.8	31.4	66.96	868.1	1,262.6	447.3	388.2	59.08	7.571		
12,304.4	11,879.0	12,182.8	11,704.0	26.8	31.4	66.96	871.4	1,262.6	447.3	388.2	59.07	7.572		
12,400.0	11,879.0	12,278.4	11,704.0	27.0	31.5	66.96	966.9	1,262.4	447.3	387.9	59.36	7.535		
12,500.0	11,879.0	12,378.4	11,704.0	27.1	31.6	66.96	1,066.9	1,262.1	447.3	387.6	59.70	7.492		
12,600.0	11,879.0	12,478.4	11,704.0	27.3	31.8	66.96	1,166.9	1,261.8	447.3	387.2	60.08	7.445		
12,700.0	11,879.0	12,578.4	11,704.0	27.5	31.9	66.96	1,266.9	1,261.6	447.3	386.8	60.49	7.394		
12,800.0	11,879.0	12,678.4	11,704.0	27.7	32.1	66.96	1,366.9	1,261.3	447.3	386.3	60.94	7.340		
12,900.0	11,879.0	12,778.4	11,704.0	27.9	32.4	66.96	1,466.9	1,261.0	447.3	385.9	61.42	7.282		
13,000.0	11,879.0	12,878.4	11,704.0	28.2	32.6	66.96	1,566.9	1,260.7	447.3	385.3	61.94	7.221		
13,100.0	11,879.0	12,978.4	11,704.0	28.5	32.8	66.96	1,666.9	1,260.5	447.3	384.8	62.49	7.158		
13,200.0	11,879.0	13,078.4	11,704.0	28.8	33.1	66.96	1,766.9	1,260.2	447.3	384.2	63.07	7.092		
13,300.0	11,879.0	13,178.4	11,704.0	29.1	33.4	66.96	1,866.9	1,259.9	447.3	383.6	63.68	7.024		
13,400.0	11,879.0	13,278.4	11,704.0	29.4	33.7	66.96	1,966.9	1,259.7	447.3	383.0	64.32	6.954		
13,500.0	11,879.0	13,378.4	11,704.0	29.8	34.0	66.96	2,066.9	1,259.4	447.3	382.3	64.99	6.882		
13,600.0	11,879.0	13,478.4	11,704.0	30.1	34.3	66.96	2,166.9	1,259.1	447.3	381.6	65.69	6.809		

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11277-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,700.0	11,879.0	13,578.4	11,704.0	30.5	34.6	66.96	2,266.9	1,258.9	447.3	380.9	66.42	6.735	
13,800.0	11,879.0	13,678.4	11,704.0	30.9	35.0	66.96	2,366.9	1,258.6	447.3	380.1	67.17	6.659	
13,900.0	11,879.0	13,778.4	11,704.0	31.3	35.4	66.96	2,466.9	1,258.3	447.3	379.4	67.95	6.583	
14,000.0	11,879.0	13,878.4	11,704.0	31.8	35.7	66.96	2,566.9	1,258.0	447.3	378.6	68.76	6.506	
14,100.0	11,879.0	13,978.4	11,704.0	32.2	36.1	66.96	2,666.9	1,257.8	447.3	377.7	69.58	6.429	
14,200.0	11,879.0	14,078.4	11,704.0	32.7	36.6	66.96	2,766.9	1,257.5	447.3	376.9	70.43	6.351	
14,300.0	11,879.0	14,178.4	11,704.0	33.1	37.0	66.96	2,866.9	1,257.2	447.3	376.0	71.31	6.273	
14,400.0	11,879.0	14,278.4	11,704.0	33.6	37.4	66.96	2,966.9	1,257.0	447.3	375.1	72.20	6.196	
14,500.0	11,879.0	14,378.4	11,704.0	34.1	37.8	66.96	3,066.9	1,256.7	447.3	374.2	73.11	6.118	
14,600.0	11,879.0	14,478.4	11,704.0	34.6	38.3	66.96	3,166.9	1,256.4	447.3	373.3	74.05	6.041	
14,700.0	11,879.0	14,578.4	11,704.0	35.1	38.8	66.96	3,266.9	1,256.2	447.3	372.3	75.00	5.965	
14,800.0	11,879.0	14,678.4	11,704.0	35.6	39.2	66.96	3,366.9	1,255.9	447.4	371.4	75.97	5.888	
14,900.0	11,879.0	14,778.4	11,704.0	36.2	39.7	66.96	3,466.9	1,255.6	447.4	370.4	76.96	5.813	
15,000.0	11,879.0	14,878.4	11,704.0	36.7	40.2	66.96	3,566.9	1,255.3	447.4	369.4	77.97	5.738	
15,100.0	11,879.0	14,978.4	11,704.0	37.3	40.7	66.96	3,666.9	1,255.1	447.4	368.4	78.99	5.664	
15,200.0	11,879.0	15,078.4	11,704.0	37.8	41.2	66.96	3,766.9	1,254.8	447.4	367.3	80.03	5.590	
15,300.0	11,879.0	15,178.4	11,704.0	38.4	41.8	66.96	3,866.9	1,254.5	447.4	366.3	81.08	5.518	
15,400.0	11,879.0	15,278.4	11,704.0	38.9	42.3	66.96	3,966.9	1,254.3	447.4	365.2	82.15	5.446	
15,500.0	11,879.0	15,378.4	11,704.0	39.5	42.8	66.96	4,066.9	1,254.0	447.4	364.2	83.23	5.375	
15,600.0	11,879.0	15,478.4	11,704.0	40.1	43.4	66.96	4,166.9	1,253.7	447.4	363.1	84.32	5.306	
15,700.0	11,879.0	15,578.4	11,704.0	40.7	43.9	66.96	4,266.9	1,253.4	447.4	362.0	85.43	5.237	
15,800.0	11,879.0	15,678.4	11,704.0	41.3	44.5	66.96	4,366.9	1,253.2	447.4	360.8	86.55	5.169	
15,900.0	11,879.0	15,778.4	11,704.0	41.9	45.0	66.96	4,466.9	1,252.9	447.4	359.7	87.68	5.103	
16,000.0	11,879.0	15,878.4	11,704.0	42.5	45.6	66.96	4,566.9	1,252.6	447.4	358.6	88.82	5.037	
16,100.0	11,879.0	15,978.4	11,704.0	43.1	46.2	66.96	4,666.9	1,252.4	447.4	357.4	89.98	4.972	
16,200.0	11,879.0	16,078.4	11,704.0	43.7	46.7	66.96	4,766.9	1,252.1	447.4	356.3	91.14	4.909	
16,300.0	11,879.0	16,178.4	11,704.0	44.4	47.3	66.96	4,866.9	1,251.8	447.4	355.1	92.32	4.846	
16,400.0	11,879.0	16,278.4	11,704.0	45.0	47.9	66.97	4,966.9	1,251.6	447.4	353.9	93.50	4.785	
16,500.0	11,879.0	16,378.4	11,704.0	45.6	48.5	66.97	5,066.9	1,251.3	447.4	352.7	94.70	4.725	
16,600.0	11,879.0	16,478.4	11,704.0	46.3	49.1	66.97	5,166.9	1,251.0	447.4	351.5	95.90	4.665	
16,700.0	11,879.0	16,578.4	11,704.0	46.9	49.7	66.97	5,266.9	1,250.7	447.4	350.3	97.11	4.607	
16,800.0	11,879.0	16,678.4	11,704.0	47.5	50.3	66.97	5,366.9	1,250.5	447.4	349.1	98.33	4.550	
16,900.0	11,879.0	16,778.4	11,704.0	48.2	50.9	66.97	5,466.9	1,250.2	447.4	347.9	99.56	4.494	
17,000.0	11,879.0	16,878.4	11,704.0	48.8	51.6	66.97	5,566.9	1,249.9	447.4	346.6	100.80	4.439	
17,100.0	11,879.0	16,978.4	11,704.0	49.5	52.2	66.97	5,666.9	1,249.7	447.4	345.4	102.04	4.385	
17,200.0	11,879.0	17,078.4	11,704.0	50.1	52.8	66.97	5,766.9	1,249.4	447.4	344.2	103.29	4.332	
17,300.0	11,879.0	17,178.4	11,704.0	50.8	53.4	66.97	5,866.9	1,249.1	447.5	342.9	104.55	4.280	
17,400.0	11,879.0	17,278.4	11,704.0	51.5	54.1	66.97	5,966.9	1,248.8	447.5	341.6	105.81	4.229	
17,500.0	11,879.0	17,378.4	11,704.0	52.1	54.7	66.97	6,066.9	1,248.6	447.5	340.4	107.09	4.179	
17,600.0	11,879.0	17,478.4	11,704.0	52.8	55.3	66.97	6,166.9	1,248.3	447.5	339.1	108.36	4.129	
17,700.0	11,879.0	17,578.4	11,704.0	53.5	56.0	66.97	6,266.9	1,248.0	447.5	337.8	109.65	4.081	
17,800.0	11,879.0	17,678.4	11,704.0	54.1	56.6	66.97	6,366.9	1,247.8	447.5	336.5	110.94	4.034	
17,900.0	11,879.0	17,778.4	11,704.0	54.8	57.3	66.97	6,466.9	1,247.5	447.5	335.2	112.23	3.987	
18,000.0	11,879.0	17,878.4	11,704.0	55.5	57.9	66.97	6,566.9	1,247.2	447.5	334.0	113.53	3.941	
18,100.0	11,879.0	17,978.4	11,704.0	56.2	58.6	66.97	6,666.9	1,247.0	447.5	332.6	114.84	3.897	
18,200.0	11,879.0	18,078.4	11,704.0	56.9	59.2	66.97	6,766.9	1,246.7	447.5	331.3	116.15	3.853	
18,300.0	11,879.0	18,178.4	11,704.0	57.5	59.9	66.97	6,866.9	1,246.4	447.5	330.0	117.46	3.810	
18,400.0	11,879.0	18,278.4	11,704.0	58.2	60.5	66.97	6,966.9	1,246.1	447.5	328.7	118.78	3.767	
18,500.0	11,879.0	18,378.4	11,704.0	58.9	61.2	66.97	7,066.9	1,245.9	447.5	327.4	120.11	3.726	
18,600.0	11,879.0	18,478.4	11,704.0	59.6	61.9	66.97	7,166.9	1,245.6	447.5	326.1	121.44	3.685	
18,700.0	11,879.0	18,578.4	11,704.0	60.3	62.5	66.97	7,266.9	1,245.3	447.5	324.7	122.77	3.645	
18,800.0	11,879.0	18,678.4	11,704.0	61.0	63.2	66.97	7,366.9	1,245.1	447.5	323.4	124.11	3.606	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11277-r.5 MWD+IFR1+MS				Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
18,900.0	11,879.0	18,778.4	11,704.0	61.7	63.9	66.97	7,466.9	1,244.8	447.5	322.1	125.45	3.567			
19,000.0	11,879.0	18,878.4	11,704.0	62.4	64.5	66.97	7,566.9	1,244.5	447.5	320.7	126.79	3.529			
19,100.0	11,879.0	18,978.4	11,704.0	63.1	65.2	66.97	7,666.9	1,244.3	447.5	319.4	128.14	3.492			
19,200.0	11,879.0	19,078.4	11,704.0	63.8	65.9	66.97	7,766.9	1,244.0	447.5	318.0	129.50	3.456			
19,300.0	11,879.0	19,178.4	11,704.0	64.5	66.6	66.97	7,866.9	1,243.7	447.5	316.7	130.85	3.420			
19,400.0	11,879.0	19,278.4	11,704.0	65.2	67.3	66.97	7,966.9	1,243.4	447.5	315.3	132.21	3.385			
19,500.0	11,879.0	19,378.4	11,704.0	65.9	67.9	66.97	8,066.9	1,243.2	447.5	314.0	133.58	3.350			
19,600.0	11,879.0	19,478.4	11,704.0	66.6	68.6	66.97	8,166.9	1,242.9	447.5	312.6	134.94	3.317			
19,700.0	11,879.0	19,578.4	11,704.0	67.3	69.3	66.97	8,266.9	1,242.6	447.5	311.2	136.31	3.283			
19,800.0	11,879.0	19,678.4	11,704.0	68.0	70.0	66.97	8,366.9	1,242.4	447.6	309.9	137.68	3.251			
19,900.0	11,879.0	19,778.4	11,704.0	68.7	70.7	66.97	8,466.9	1,242.1	447.6	308.5	139.06	3.218			
20,000.0	11,879.0	19,878.4	11,704.0	69.4	71.4	66.97	8,566.9	1,241.8	447.6	307.1	140.44	3.187			
20,100.0	11,879.0	19,978.4	11,704.0	70.1	72.1	66.97	8,666.9	1,241.5	447.6	305.7	141.82	3.156			
20,200.0	11,879.0	20,078.4	11,704.0	70.9	72.8	66.97	8,766.9	1,241.3	447.6	304.4	143.20	3.125			
20,300.0	11,879.0	20,178.4	11,704.0	71.6	73.5	66.97	8,866.9	1,241.0	447.6	303.0	144.59	3.095			
20,400.0	11,879.0	20,278.4	11,704.0	72.3	74.2	66.97	8,966.9	1,240.7	447.6	301.6	145.98	3.066			
20,500.0	11,879.0	20,378.4	11,704.0	73.0	74.9	66.97	9,066.9	1,240.5	447.6	300.2	147.37	3.037			
20,600.0	11,879.0	20,478.4	11,704.0	73.7	75.6	66.97	9,166.9	1,240.2	447.6	298.8	148.76	3.009			
20,700.0	11,879.0	20,578.4	11,704.0	74.4	76.3	66.97	9,266.9	1,239.9	447.6	297.4	150.16	2.981			
20,800.0	11,879.0	20,678.4	11,704.0	75.2	77.0	66.97	9,366.9	1,239.7	447.6	296.0	151.56	2.953			
20,900.0	11,879.0	20,778.4	11,704.0	75.9	77.7	66.98	9,466.9	1,239.4	447.6	294.6	152.96	2.926			
21,000.0	11,879.0	20,878.4	11,704.0	76.6	78.4	66.98	9,566.9	1,239.1	447.6	293.2	154.36	2.900			
21,100.0	11,879.0	20,978.4	11,704.0	77.3	79.1	66.98	9,666.9	1,238.8	447.6	291.8	155.77	2.874			
21,200.0	11,879.0	21,078.4	11,704.0	78.0	79.8	66.98	9,766.9	1,238.6	447.6	290.4	157.17	2.848			
21,300.0	11,879.0	21,178.4	11,704.0	78.8	80.5	66.98	9,866.9	1,238.3	447.6	289.0	158.58	2.823			
21,400.0	11,879.0	21,278.4	11,704.0	79.5	81.2	66.98	9,966.9	1,238.0	447.6	287.6	159.99	2.798			
21,500.0	11,879.0	21,378.4	11,704.0	80.2	81.9	66.98	10,066.9	1,237.8	447.6	286.2	161.40	2.773			
21,600.0	11,879.0	21,478.4	11,704.0	80.9	82.6	66.98	10,166.9	1,237.5	447.6	284.8	162.82	2.749			
21,700.0	11,879.0	21,578.4	11,704.0	81.7	83.3	66.98	10,266.9	1,237.2	447.6	283.4	164.23	2.726			
21,800.0	11,879.0	21,678.4	11,704.0	82.4	84.0	66.98	10,366.9	1,236.9	447.6	282.0	165.65	2.702			
21,900.0	11,879.0	21,778.4	11,704.0	83.1	84.7	66.98	10,466.9	1,236.7	447.6	280.6	167.07	2.679			
22,000.0	11,879.0	21,878.4	11,704.0	83.8	85.5	66.98	10,566.9	1,236.4	447.6	279.1	168.49	2.657			
22,100.0	11,879.0	21,978.4	11,704.0	84.6	86.2	66.98	10,666.9	1,236.1	447.6	277.7	169.92	2.635			
22,142.9	11,879.0	22,021.3	11,704.0	84.9	86.5	66.98	10,709.8	1,236.0	447.6	277.1	170.53	2.625			
22,192.9	11,879.0	22,071.3	11,704.0	85.2	86.8	66.98	10,759.8	1,235.9	447.6	276.5	171.14	2.616 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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11530-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	90.42	-0.4	60.0	60.1				
100.0	100.0	100.0	100.0	3.0	3.0	90.42	-0.4	60.0	60.1	53.5	6.52	9.210	
200.0	200.0	200.0	200.0	3.2	3.2	90.42	-0.4	60.0	60.1	53.3	6.76	8.883	
300.0	300.0	300.0	300.0	3.3	3.3	90.42	-0.4	60.0	60.1	53.1	6.99	8.589	
400.0	400.0	400.0	400.0	3.4	3.4	90.42	-0.4	60.0	60.1	52.8	7.21	8.323	
500.0	500.0	500.0	500.0	3.5	3.5	90.42	-0.4	60.0	60.1	52.6	7.43	8.081	
600.0	600.0	600.0	600.0	3.7	3.7	90.42	-0.4	60.0	60.1	52.4	7.64	7.860	
700.0	700.0	700.0	700.0	3.8	3.8	90.42	-0.4	60.0	60.1	52.2	7.84	7.656	
800.0	800.0	800.0	800.0	3.9	3.9	90.42	-0.4	60.0	60.1	52.0	8.04	7.467	
900.0	900.0	900.0	900.0	4.0	4.0	90.42	-0.4	60.0	60.1	51.8	8.23	7.292	
966.6	966.6	966.7	966.7	4.1	4.1	90.42	-0.4	60.0	60.1	51.7	8.36	7.184 CC	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	90.42	-0.4	60.0	60.1	51.6	8.42	7.129 ES	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	90.17	-0.2	61.7	61.7	53.0	8.72	7.083	
1,200.0	1,200.0	1,195.7	1,195.5	4.4	4.4	89.48	0.6	66.6	66.8	57.8	9.00	7.422	
1,300.0	1,300.0	1,292.9	1,292.4	4.5	4.6	88.54	1.9	74.8	75.2	66.0	9.28	8.110	
1,400.0	1,400.0	1,389.5	1,388.3	4.6	4.8	87.54	3.7	86.2	87.0	77.5	9.55	9.115	
1,500.0	1,500.0	1,485.2	1,482.9	4.8	5.0	86.60	6.0	100.5	102.2	92.4	9.81	10.410	
1,600.0	1,600.0	1,580.1	1,576.1	4.9	5.3	25.92	8.7	117.9	119.4	109.3	10.08	11.846	
1,700.0	1,699.9	1,674.2	1,668.0	5.0	5.5	25.74	11.9	138.0	137.6	127.1	10.47	13.144	
1,800.0	1,799.7	1,768.5	1,759.4	5.2	5.7	25.87	15.6	161.2	156.6	145.8	10.80	14.501	
1,900.0	1,899.3	1,866.9	1,854.4	5.4	5.9	26.32	19.6	186.4	174.4	163.1	11.24	15.515	
2,000.0	1,998.6	1,965.7	1,949.8	5.7	6.1	27.04	23.6	211.6	189.8	178.1	11.75	16.155	
2,033.3	2,031.6	1,998.7	1,981.7	5.7	6.2	27.33	24.9	220.0	194.5	182.6	11.89	16.358	
2,100.0	2,097.5	2,064.8	2,045.5	5.9	6.4	23.38	27.6	236.9	202.8	190.6	12.23	16.583	
2,200.0	2,196.0	2,164.3	2,141.6	6.2	6.7	19.14	31.6	262.4	212.4	199.5	12.87	16.506	
2,257.8	2,252.6	2,221.9	2,197.3	6.4	6.9	17.33	33.9	277.1	216.4	203.2	13.20	16.390	
2,300.0	2,293.9	2,264.0	2,238.0	6.5	7.0	17.59	35.6	287.9	218.9	205.4	13.45	16.277	
2,400.0	2,391.7	2,363.8	2,334.4	6.8	7.4	18.20	39.7	313.4	224.8	210.7	14.12	15.919	
2,500.0	2,489.5	2,463.6	2,430.8	7.1	7.8	18.77	43.7	338.9	230.8	215.9	14.82	15.565	
2,600.0	2,587.4	2,563.4	2,527.2	7.5	8.1	19.31	47.8	364.4	236.7	221.2	15.55	15.222	
2,700.0	2,685.2	2,663.2	2,623.6	7.9	8.5	19.83	51.8	389.9	242.7	226.4	16.30	14.892	
2,800.0	2,783.0	2,763.0	2,720.0	8.2	8.9	20.32	55.8	415.4	248.7	231.7	17.06	14.578	
2,900.0	2,880.8	2,862.8	2,816.4	8.6	9.3	20.79	59.9	440.9	254.8	236.9	17.84	14.281	
3,000.0	2,978.6	2,962.6	2,912.8	9.0	9.8	21.24	63.9	466.5	260.8	242.2	18.63	14.000	
3,100.0	3,076.4	3,062.4	3,009.2	9.4	10.2	21.67	68.0	492.0	266.9	247.5	19.43	13.736	
3,200.0	3,174.2	3,162.2	3,105.6	9.9	10.6	22.08	72.0	517.5	273.0	252.7	20.24	13.487	
3,300.0	3,272.1	3,262.0	3,202.0	10.3	11.1	22.47	76.0	543.0	279.1	258.0	21.05	13.254	
3,400.0	3,369.9	3,361.8	3,298.4	10.7	11.5	22.84	80.1	568.5	285.2	263.3	21.88	13.035	
3,500.0	3,467.7	3,461.6	3,394.7	11.1	12.0	23.20	84.1	594.0	291.3	268.6	22.70	12.829	
3,600.0	3,565.5	3,561.4	3,491.1	11.6	12.4	23.54	88.2	619.5	297.4	273.9	23.54	12.636	
3,700.0	3,663.3	3,661.2	3,587.5	12.0	12.9	23.87	92.2	645.0	303.5	279.2	24.37	12.454	
3,800.0	3,761.1	3,761.0	3,683.9	12.4	13.3	24.19	96.3	670.5	309.7	284.5	25.21	12.284	
3,900.0	3,859.0	3,860.8	3,780.3	12.9	13.8	24.49	100.3	696.1	315.8	289.8	26.05	12.123	
4,000.0	3,956.8	3,960.6	3,876.7	13.3	14.2	24.79	104.3	721.6	322.0	295.1	26.90	11.971	
4,100.0	4,054.6	4,060.4	3,973.1	13.8	14.7	25.07	108.4	747.1	328.2	300.4	27.74	11.828	
4,200.0	4,152.4	4,160.2	4,069.5	14.2	15.2	25.34	112.4	772.6	334.3	305.7	28.59	11.694	
4,300.0	4,250.2	4,260.0	4,165.9	14.7	15.6	25.60	116.5	798.1	340.5	311.1	29.44	11.566	
4,400.0	4,348.0	4,359.8	4,262.3	15.1	16.1	25.85	120.5	823.6	346.7	316.4	30.29	11.446	
4,500.0	4,445.8	4,459.6	4,358.7	15.6	16.6	26.09	124.5	849.1	352.9	321.8	31.15	11.331	
4,600.0	4,543.7	4,559.4	4,455.1	16.0	17.1	26.33	128.6	874.6	359.1	327.1	32.00	11.223	
4,700.0	4,641.5	4,659.2	4,551.5	16.5	17.5	26.56	132.6	900.1	365.3	332.5	32.85	11.120	
4,800.0	4,739.3	4,759.0	4,647.9	16.9	18.0	26.77	136.7	925.7	371.5	337.8	33.71	11.023	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11530-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
4,900.0	4,837.1	4,858.8	4,744.3	17.4	18.5	26.99		140.7	951.2	377.8	343.2	34.56	10.930
5,000.0	4,934.9	4,958.6	4,840.7	17.8	19.0	27.19		144.7	976.7	384.0	348.6	35.42	10.841
5,100.0	5,032.7	5,058.4	4,937.1	18.3	19.4	27.39		148.8	1,002.2	390.2	353.9	36.28	10.757
5,200.0	5,130.5	5,158.2	5,033.5	18.8	19.9	27.58		152.8	1,027.7	396.5	359.3	37.13	10.677
5,300.0	5,228.4	5,257.9	5,129.9	19.2	20.4	27.77		156.9	1,053.2	402.7	364.7	37.99	10.600
5,400.0	5,326.2	5,357.7	5,226.3	19.7	20.9	27.95		160.9	1,078.7	408.9	370.1	38.85	10.527
5,500.0	5,424.0	5,457.5	5,322.7	20.1	21.4	28.12		164.9	1,104.2	415.2	375.5	39.71	10.457
5,600.0	5,521.8	5,557.3	5,419.1	20.6	21.8	28.29		169.0	1,129.7	421.4	380.9	40.56	10.390
5,700.0	5,619.6	5,657.1	5,515.5	21.1	22.3	28.46		173.0	1,155.3	427.7	386.3	41.42	10.326
5,800.0	5,717.4	5,756.9	5,611.9	21.5	22.8	28.62		177.1	1,180.8	434.0	391.7	42.28	10.264
5,900.0	5,815.2	5,856.7	5,708.3	22.0	23.3	28.78		181.1	1,206.3	440.2	397.1	43.14	10.205
5,925.3	5,840.0	5,882.0	5,732.7	22.1	23.4	28.81		182.1	1,212.7	441.8	398.5	43.35	10.192
6,000.0	5,913.3	5,956.5	5,804.6	22.4	23.8	28.92		185.1	1,231.8	447.3	403.3	44.00	10.168
6,100.0	6,011.9	6,056.0	5,900.7	22.9	24.3	28.90		189.2	1,257.2	457.4	412.5	44.90	10.186
6,200.0	6,111.0	6,155.1	5,996.4	23.3	24.8	28.71		193.2	1,282.5	470.5	424.7	45.84	10.265
6,300.0	6,210.5	6,253.6	6,091.7	23.8	25.2	28.37		197.2	1,307.7	486.7	439.9	46.78	10.403
6,400.0	6,310.4	6,351.6	6,186.3	24.1	25.7	27.90		201.1	1,332.8	505.9	458.2	47.73	10.600
6,500.0	6,410.3	6,448.8	6,280.2	24.4	26.2	27.33		205.1	1,357.6	528.2	479.6	48.64	10.860
6,525.3	6,435.6	6,473.3	6,303.8	24.5	26.3	99.17		206.1	1,363.9	534.4	485.5	48.83	10.942
6,600.0	6,510.3	6,545.5	6,373.5	24.5	26.7	98.55		209.0	1,382.3	552.8	503.5	49.36	11.200
6,700.0	6,610.3	6,642.1	6,466.8	24.5	27.1	97.77		212.9	1,407.0	577.6	527.6	50.06	11.539
6,800.0	6,710.3	6,738.6	6,560.1	24.6	27.6	97.07		216.8	1,431.7	602.5	551.8	50.75	11.873
6,900.0	6,810.3	6,835.2	6,653.4	24.6	28.1	96.41		220.7	1,456.4	627.5	576.1	51.42	12.203
7,000.0	6,910.3	6,931.8	6,746.7	24.6	28.6	95.81		224.6	1,481.1	652.5	600.4	52.09	12.527
7,100.0	7,010.3	7,028.4	6,840.0	24.7	29.0	95.25		228.5	1,505.8	677.6	624.9	52.75	12.846
7,200.0	7,110.3	7,125.0	6,933.3	24.7	29.5	94.73		232.5	1,530.5	702.8	649.4	53.40	13.160
7,300.0	7,210.3	7,230.7	7,035.5	24.7	30.0	94.21		236.7	1,557.3	727.9	673.7	54.12	13.448
7,400.0	7,310.3	7,360.9	7,162.4	24.8	30.7	93.69		241.3	1,586.1	749.7	694.8	54.94	13.646
7,500.0	7,410.3	7,493.6	7,292.9	24.8	31.3	93.30		245.0	1,609.7	767.3	711.7	55.61	13.799
7,600.0	7,510.3	7,628.3	7,426.4	24.8	31.9	93.01		247.8	1,627.4	780.3	724.2	56.11	13.907
7,700.0	7,610.3	7,764.5	7,562.0	24.9	32.5	92.84		249.6	1,639.0	788.8	732.3	56.44	13.975
7,800.0	7,710.3	7,901.4	7,698.8	24.9	32.9	92.76		250.5	1,644.2	792.6	736.0	56.56	14.013
7,900.0	7,810.3	8,012.9	7,810.4	25.0	33.0	92.75		250.5	1,644.6	792.8	736.3	56.51	14.029
8,000.0	7,910.3	8,112.9	7,910.4	25.0	33.0	92.75		250.5	1,644.6	792.8	736.2	56.57	14.014
8,100.0	8,010.3	8,212.9	8,010.4	25.0	33.0	92.75		250.5	1,644.6	792.8	736.2	56.63	14.000
8,200.0	8,110.3	8,312.9	8,110.4	25.1	33.0	92.75		250.5	1,644.6	792.8	736.1	56.69	13.985
8,300.0	8,210.3	8,412.9	8,210.4	25.1	33.1	92.75		250.5	1,644.6	792.8	736.0	56.75	13.970
8,400.0	8,310.3	8,512.9	8,310.4	25.1	33.1	92.75		250.5	1,644.6	792.8	736.0	56.81	13.955
8,500.0	8,410.3	8,612.9	8,410.4	25.2	33.1	92.75		250.5	1,644.6	792.8	735.9	56.87	13.940
8,600.0	8,510.3	8,712.9	8,510.4	25.2	33.1	92.75		250.5	1,644.6	792.8	735.9	56.94	13.925
8,700.0	8,610.3	8,812.9	8,610.4	25.3	33.2	92.75		250.5	1,644.6	792.8	735.8	57.00	13.909
8,800.0	8,710.3	8,912.9	8,710.4	25.3	33.2	92.75		250.5	1,644.6	792.8	735.7	57.06	13.894
8,900.0	8,810.3	9,012.9	8,810.4	25.3	33.2	92.75		250.5	1,644.6	792.8	735.7	57.12	13.879
9,000.0	8,910.3	9,112.9	8,910.4	25.4	33.2	92.75		250.5	1,644.6	792.8	735.6	57.19	13.863
9,100.0	9,010.3	9,212.9	9,010.4	25.4	33.3	92.75		250.5	1,644.6	792.8	735.5	57.25	13.848
9,200.0	9,110.3	9,312.9	9,110.4	25.5	33.3	92.75		250.5	1,644.6	792.8	735.5	57.31	13.832
9,300.0	9,210.3	9,412.9	9,210.4	25.5	33.3	92.75		250.5	1,644.6	792.8	735.4	57.38	13.817
9,400.0	9,310.3	9,512.9	9,310.4	25.5	33.4	92.75		250.5	1,644.6	792.8	735.4	57.44	13.801
9,500.0	9,410.3	9,612.9	9,410.4	25.6	33.4	92.75		250.5	1,644.6	792.8	735.3	57.51	13.785
9,600.0	9,510.3	9,712.9	9,510.4	25.6	33.4	92.75		250.5	1,644.6	792.8	735.2	57.58	13.770
9,700.0	9,610.3	9,812.9	9,610.4	25.7	33.4	92.75		250.5	1,644.6	792.8	735.2	57.64	13.754
9,800.0	9,710.3	9,912.9	9,710.4	25.7	33.5	92.75		250.5	1,644.6	792.8	735.1	57.71	13.738

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11530-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.0	9,810.3	10,012.9	9,810.4	25.7	33.5	92.75	250.5	1,644.6	792.8	735.0	57.78	13.722	
10,000.0	9,910.3	10,112.9	9,910.4	25.8	33.5	92.75	250.5	1,644.6	792.8	735.0	57.84	13.706	
10,100.0	10,010.3	10,212.9	10,010.4	25.8	33.5	92.75	250.5	1,644.6	792.8	734.9	57.91	13.690	
10,200.0	10,110.3	10,312.9	10,110.4	25.9	33.6	92.75	250.5	1,644.6	792.8	734.8	57.98	13.674	
10,300.0	10,210.3	10,412.9	10,210.4	25.9	33.6	92.75	250.5	1,644.6	792.8	734.8	58.05	13.658	
10,400.0	10,310.3	10,512.9	10,310.4	25.9	33.6	92.75	250.5	1,644.6	792.8	734.7	58.12	13.642	
10,500.0	10,410.3	10,612.9	10,410.4	26.0	33.7	92.75	250.5	1,644.6	792.8	734.6	58.18	13.626	
10,600.0	10,510.3	10,712.9	10,510.4	26.0	33.7	92.75	250.5	1,644.6	792.8	734.5	58.25	13.609	
10,700.0	10,610.3	10,812.9	10,610.4	26.1	33.7	92.75	250.5	1,644.6	792.8	734.5	58.32	13.593	
10,800.0	10,710.3	10,912.9	10,710.4	26.1	33.7	92.75	250.5	1,644.6	792.8	734.4	58.39	13.577	
10,900.0	10,810.3	11,012.9	10,810.4	26.2	33.8	92.75	250.5	1,644.6	792.8	734.3	58.46	13.560	
11,000.0	10,910.3	11,112.9	10,910.4	26.2	33.8	92.75	250.5	1,644.6	792.8	734.3	58.54	13.544	
11,100.0	11,010.3	11,212.9	11,010.4	26.2	33.8	92.75	250.5	1,644.6	792.8	734.2	58.61	13.527	
11,200.0	11,110.3	11,312.9	11,110.4	26.3	33.9	92.75	250.5	1,644.6	792.8	734.1	58.68	13.511	
11,300.0	11,210.3	11,412.9	11,210.4	26.3	33.9	92.75	250.5	1,644.6	792.8	734.0	58.75	13.494	
11,395.7	11,306.0	11,508.7	11,306.1	26.4	33.9	92.75	250.5	1,644.6	792.8	734.0	58.82	13.478	
11,396.2	11,306.5	11,509.1	11,306.5	26.4	33.9	92.91	250.5	1,644.6	792.8	734.0	58.82	13.478	
11,400.0	11,310.3	11,513.0	11,310.4	26.4	33.9	92.91	250.5	1,644.6	792.8	734.0	58.82	13.478	
11,450.0	11,360.2	11,563.3	11,360.6	26.4	33.9	92.90	253.1	1,644.7	792.9	734.1	58.84	13.475	
11,500.0	11,409.7	11,613.6	11,410.4	26.4	33.9	92.86	260.1	1,645.0	793.2	734.4	58.86	13.478	
11,550.0	11,458.5	11,663.9	11,459.4	26.4	33.9	92.80	271.4	1,645.5	793.8	734.9	58.87	13.483	
11,600.0	11,506.0	11,714.2	11,507.2	26.4	33.9	92.72	287.0	1,646.1	794.5	735.6	58.89	13.490	
11,650.0	11,552.1	11,764.4	11,553.4	26.4	34.0	92.62	306.6	1,647.0	795.4	736.5	58.92	13.499	
11,700.0	11,596.2	11,814.7	11,597.7	26.5	34.0	92.50	330.3	1,648.0	796.5	737.5	58.95	13.510	
11,750.0	11,638.2	11,864.9	11,639.8	26.5	34.0	92.36	357.7	1,649.2	797.7	738.7	58.99	13.523	
11,800.0	11,677.6	11,915.1	11,679.3	26.5	34.0	92.20	388.6	1,650.6	799.1	740.1	59.03	13.537	
11,850.0	11,714.2	11,965.3	11,715.9	26.5	34.0	92.03	422.9	1,652.1	800.7	741.6	59.09	13.552	
11,900.0	11,747.7	12,015.5	11,749.3	26.5	34.0	91.84	460.3	1,653.7	802.4	743.3	59.15	13.567	
11,950.0	11,777.8	12,065.6	11,779.3	26.6	34.0	91.64	500.3	1,655.5	804.3	745.1	59.22	13.582	
12,000.0	11,804.4	12,115.7	11,805.7	26.6	34.1	91.42	542.9	1,657.3	806.2	747.0	59.30	13.597	
12,050.0	11,827.1	12,165.8	11,828.3	26.6	34.1	91.19	587.5	1,659.3	808.3	748.9	59.39	13.611	
12,100.0	11,845.9	12,215.8	11,846.9	26.7	34.1	90.96	633.9	1,661.3	810.5	751.0	59.48	13.625	
12,150.0	11,860.6	12,265.8	11,861.3	26.7	34.1	90.72	681.8	1,663.4	812.7	753.1	59.59	13.637	
12,200.0	11,871.0	12,315.8	11,871.5	26.7	34.2	90.47	730.6	1,665.5	814.9	755.2	59.72	13.647	
12,250.0	11,877.2	12,365.8	11,877.4	26.8	34.2	90.22	780.2	1,667.7	817.2	757.4	59.85	13.656	
12,295.7	11,879.0	12,412.6	11,879.0	26.8	34.3	90.00	827.0	1,669.7	819.4	759.4	59.99	13.659	
12,300.0	11,879.0	12,418.6	11,879.0	26.8	34.3	90.00	832.9	1,670.0	819.5	759.5	60.02	13.655	
12,400.0	11,879.0	12,553.6	11,879.0	27.0	34.4	90.00	967.9	1,672.2	821.4	760.7	60.71	13.530	
12,500.0	11,879.0	12,653.6	11,879.0	27.1	34.6	90.00	1,067.9	1,672.0	821.5	760.4	61.05	13.454	
12,600.0	11,879.0	12,753.6	11,879.0	27.3	34.7	90.00	1,167.9	1,671.7	821.5	760.0	61.44	13.371	
12,700.0	11,879.0	12,853.6	11,879.0	27.5	34.9	90.00	1,267.9	1,671.5	821.5	759.7	61.85	13.282	
12,800.0	11,879.0	12,953.6	11,879.0	27.7	35.1	90.00	1,367.9	1,671.2	821.5	759.2	62.30	13.186	
12,900.0	11,879.0	13,053.6	11,879.0	27.9	35.3	90.00	1,467.9	1,671.0	821.6	758.8	62.79	13.085	
13,000.0	11,879.0	13,153.6	11,879.0	28.2	35.5	90.00	1,567.9	1,670.7	821.6	758.3	63.30	12.979	
13,100.0	11,879.0	13,253.6	11,879.0	28.5	35.8	90.00	1,667.9	1,670.5	821.6	757.8	63.85	12.868	
13,200.0	11,879.0	13,353.6	11,879.0	28.8	36.0	90.00	1,767.9	1,670.2	821.6	757.2	64.43	12.753	
13,300.0	11,879.0	13,453.6	11,879.0	29.1	36.3	90.00	1,867.9	1,670.0	821.7	756.6	65.04	12.634	
13,400.0	11,879.0	13,553.6	11,879.0	29.4	36.6	90.00	1,967.9	1,669.7	821.7	756.0	65.67	12.512	
13,500.0	11,879.0	13,653.6	11,879.0	29.8	36.9	90.00	2,067.9	1,669.5	821.7	755.4	66.34	12.387	
13,600.0	11,879.0	13,753.6	11,879.0	30.1	37.2	90.00	2,167.9	1,669.2	821.7	754.7	67.03	12.259	
13,700.0	11,879.0	13,853.6	11,879.0	30.5	37.5	90.00	2,267.9	1,669.0	821.8	754.0	67.75	12.129	
13,800.0	11,879.0	13,953.6	11,879.0	30.9	37.8	90.00	2,367.9	1,668.8	821.8	753.3	68.50	11.998	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11530-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)	Tooface (")	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
13,900.0	11,879.0	14,053.6	11,879.0	31.3	38.2	90.00	2,467.9	1,668.5	821.8	752.6	69.27	11.865	
14,000.0	11,879.0	14,153.6	11,879.0	31.8	38.6	90.00	2,567.9	1,668.3	821.8	751.8	70.06	11.731	
14,100.0	11,879.0	14,253.6	11,879.0	32.2	38.9	90.00	2,667.9	1,668.0	821.9	751.0	70.88	11.596	
14,200.0	11,879.0	14,353.6	11,879.0	32.7	39.3	90.00	2,767.9	1,667.8	821.9	750.2	71.72	11.460	
14,300.0	11,879.0	14,453.6	11,879.0	33.1	39.7	90.00	2,867.9	1,667.5	821.9	749.3	72.58	11.325	
14,400.0	11,879.0	14,553.6	11,879.0	33.6	40.1	90.00	2,967.9	1,667.3	822.0	748.5	73.46	11.189	
14,500.0	11,879.0	14,653.6	11,879.0	34.1	40.6	90.00	3,067.9	1,667.0	822.0	747.6	74.36	11.053	
14,600.0	11,879.0	14,753.6	11,879.0	34.6	41.0	90.00	3,167.9	1,666.8	822.0	746.7	75.29	10.918	
14,700.0	11,879.0	14,853.6	11,879.0	35.1	41.4	90.00	3,267.9	1,666.5	822.0	745.8	76.23	10.784	
14,800.0	11,879.0	14,953.6	11,879.0	35.6	41.9	90.00	3,367.9	1,666.3	822.1	744.9	77.19	10.650	
14,900.0	11,879.0	15,053.6	11,879.0	36.2	42.4	90.00	3,467.9	1,666.0	822.1	743.9	78.16	10.518	
15,000.0	11,879.0	15,153.6	11,879.0	36.7	42.8	90.00	3,567.9	1,665.8	822.1	743.0	79.15	10.386	
15,100.0	11,879.0	15,253.6	11,879.0	37.3	43.3	90.00	3,667.9	1,665.5	822.1	742.0	80.16	10.256	
15,200.0	11,879.0	15,353.6	11,879.0	37.8	43.8	90.00	3,767.9	1,665.3	822.2	741.0	81.19	10.127	
15,300.0	11,879.0	15,453.6	11,879.0	38.4	44.3	90.00	3,867.9	1,665.0	822.2	740.0	82.23	9.999	
15,400.0	11,879.0	15,553.6	11,879.0	38.9	44.8	90.00	3,967.9	1,664.8	822.2	738.9	83.28	9.873	
15,500.0	11,879.0	15,653.6	11,879.0	39.5	45.3	90.00	4,067.9	1,664.5	822.2	737.9	84.35	9.748	
15,600.0	11,879.0	15,753.6	11,879.0	40.1	45.8	90.00	4,167.9	1,664.3	822.3	736.8	85.43	9.625	
15,700.0	11,879.0	15,853.6	11,879.0	40.7	46.4	90.00	4,267.9	1,664.0	822.3	735.8	86.52	9.504	
15,800.0	11,879.0	15,953.6	11,879.0	41.3	46.9	90.00	4,367.9	1,663.8	822.3	734.7	87.63	9.384	
15,900.0	11,879.0	16,053.6	11,879.0	41.9	47.4	90.00	4,467.9	1,663.5	822.3	733.6	88.75	9.266	
16,000.0	11,879.0	16,153.6	11,879.0	42.5	48.0	90.00	4,567.9	1,663.3	822.4	732.5	89.88	9.150	
16,100.0	11,879.0	16,253.6	11,879.0	43.1	48.5	90.00	4,667.8	1,663.0	822.4	731.4	91.02	9.036	
16,200.0	11,879.0	16,353.6	11,879.0	43.7	49.1	90.00	4,767.8	1,662.8	822.4	730.3	92.17	8.923	
16,300.0	11,879.0	16,453.6	11,879.0	44.4	49.6	90.00	4,867.8	1,662.5	822.5	729.1	93.33	8.813	
16,400.0	11,879.0	16,553.6	11,879.0	45.0	50.2	90.00	4,967.8	1,662.3	822.5	728.0	94.50	8.704	
16,500.0	11,879.0	16,653.6	11,879.0	45.6	50.8	90.00	5,067.8	1,662.0	822.5	726.8	95.68	8.597	
16,600.0	11,879.0	16,753.6	11,879.0	46.3	51.4	90.00	5,167.8	1,661.8	822.5	725.7	96.87	8.491	
16,700.0	11,879.0	16,853.6	11,879.0	46.9	51.9	90.00	5,267.8	1,661.5	822.6	724.5	98.06	8.388	
16,800.0	11,879.0	16,953.6	11,879.0	47.5	52.5	90.00	5,367.8	1,661.3	822.6	723.3	99.27	8.286	
16,900.0	11,879.0	17,053.6	11,879.0	48.2	53.1	90.00	5,467.8	1,661.0	822.6	722.1	100.48	8.187	
17,000.0	11,879.0	17,153.6	11,879.0	48.8	53.7	90.00	5,567.8	1,660.8	822.6	720.9	101.71	8.088	
17,100.0	11,879.0	17,253.6	11,879.0	49.5	54.3	90.00	5,667.8	1,660.6	822.7	719.7	102.94	7.992	
17,200.0	11,879.0	17,353.6	11,879.0	50.1	54.9	90.00	5,767.8	1,660.3	822.7	718.5	104.17	7.897	
17,300.0	11,879.0	17,453.6	11,879.0	50.8	55.5	90.00	5,867.8	1,660.1	822.7	717.3	105.42	7.804	
17,400.0	11,879.0	17,553.6	11,879.0	51.5	56.1	90.00	5,967.8	1,659.8	822.7	716.1	106.67	7.713	
17,500.0	11,879.0	17,653.6	11,879.0	52.1	56.7	90.00	6,067.8	1,659.6	822.8	714.8	107.92	7.624	
17,600.0	11,879.0	17,753.6	11,879.0	52.8	57.4	90.00	6,167.8	1,659.3	822.8	713.6	109.19	7.536	
17,700.0	11,879.0	17,853.6	11,879.0	53.5	58.0	90.00	6,267.8	1,659.1	822.8	712.4	110.46	7.449	
17,800.0	11,879.0	17,953.6	11,879.0	54.1	58.6	90.00	6,367.8	1,658.8	822.9	711.1	111.73	7.364	
17,900.0	11,879.0	18,053.6	11,879.0	54.8	59.2	90.00	6,467.8	1,658.6	822.9	709.9	113.01	7.281	
18,000.0	11,879.0	18,153.6	11,879.0	55.5	59.9	90.00	6,567.8	1,658.3	822.9	708.6	114.30	7.199	
18,100.0	11,879.0	18,253.6	11,879.0	56.2	60.5	90.00	6,667.8	1,658.1	822.9	707.3	115.59	7.119	
18,200.0	11,879.0	18,353.6	11,879.0	56.9	61.1	90.00	6,767.8	1,657.8	823.0	706.1	116.89	7.040	
18,300.0	11,879.0	18,453.6	11,879.0	57.5	61.8	90.00	6,867.8	1,657.6	823.0	704.8	118.19	6.963	
18,400.0	11,879.0	18,553.6	11,879.0	58.2	62.4	90.00	6,967.8	1,657.3	823.0	703.5	119.50	6.887	
18,500.0	11,879.0	18,653.6	11,879.0	58.9	63.1	90.00	7,067.8	1,657.1	823.0	702.2	120.81	6.813	
18,600.0	11,879.0	18,753.6	11,879.0	59.6	63.7	90.00	7,167.8	1,656.8	823.1	700.9	122.13	6.739	
18,700.0	11,879.0	18,853.6	11,879.0	60.3	64.4	90.00	7,267.8	1,656.6	823.1	699.6	123.45	6.668	
18,800.0	11,879.0	18,953.6	11,879.0	61.0	65.0	90.00	7,367.8	1,656.3	823.1	698.3	124.77	6.597	
18,900.0	11,879.0	19,053.6	11,879.0	61.7	65.7	90.00	7,467.8	1,656.1	823.1	697.0	126.10	6.528	
19,000.0	11,879.0	19,153.6	11,879.0	62.4	66.3	90.00	7,567.8	1,655.8	823.2	695.7	127.43	6.460	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11530-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,100.0	11,879.0	19,253.6	11,879.0	63.1	67.0	90.00	7,667.8	1,655.6	823.2	694.4	128.77	6.393	
19,200.0	11,879.0	19,353.6	11,879.0	63.8	67.7	90.00	7,767.8	1,655.3	823.2	693.1	130.11	6.327	
19,300.0	11,879.0	19,453.6	11,879.0	64.5	68.3	90.00	7,867.8	1,655.1	823.2	691.8	131.45	6.263	
19,400.0	11,879.0	19,553.6	11,879.0	65.2	69.0	90.00	7,967.8	1,654.8	823.3	690.5	132.80	6.199	
19,500.0	11,879.0	19,653.6	11,879.0	65.9	69.7	90.00	8,067.8	1,654.6	823.3	689.1	134.15	6.137	
19,600.0	11,879.0	19,753.6	11,879.0	66.6	70.3	90.00	8,167.8	1,654.3	823.3	687.8	135.51	6.076	
19,700.0	11,879.0	19,853.6	11,879.0	67.3	71.0	90.00	8,267.8	1,654.1	823.4	686.5	136.86	6.016	
19,800.0	11,879.0	19,953.6	11,879.0	68.0	71.7	90.00	8,367.8	1,653.8	823.4	685.2	138.22	5.957	
19,900.0	11,879.0	20,053.6	11,879.0	68.7	72.3	90.00	8,467.8	1,653.6	823.4	683.8	139.59	5.899	
20,000.0	11,879.0	20,153.6	11,879.0	69.4	73.0	90.00	8,567.8	1,653.3	823.4	682.5	140.95	5.842	
20,100.0	11,879.0	20,253.6	11,879.0	70.1	73.7	90.00	8,667.8	1,653.1	823.5	681.1	142.32	5.786	
20,200.0	11,879.0	20,353.6	11,879.0	70.9	74.4	90.00	8,767.8	1,652.9	823.5	679.8	143.69	5.731	
20,300.0	11,879.0	20,453.6	11,879.0	71.6	75.1	90.00	8,867.8	1,652.6	823.5	678.4	145.07	5.677	
20,400.0	11,879.0	20,553.6	11,879.0	72.3	75.7	90.00	8,967.8	1,652.4	823.5	677.1	146.44	5.624	
20,500.0	11,879.0	20,653.6	11,879.0	73.0	76.4	90.00	9,067.8	1,652.1	823.6	675.7	147.82	5.571	
20,600.0	11,879.0	20,753.6	11,879.0	73.7	77.1	90.00	9,167.8	1,651.9	823.6	674.4	149.21	5.520	
20,700.0	11,879.0	20,853.6	11,879.0	74.4	77.8	90.00	9,267.8	1,651.6	823.6	673.0	150.59	5.469	
20,800.0	11,879.0	20,953.6	11,879.0	75.2	78.5	90.00	9,367.8	1,651.4	823.6	671.7	151.98	5.420	
20,900.0	11,879.0	21,053.6	11,879.0	75.9	79.2	90.00	9,467.8	1,651.1	823.7	670.3	153.36	5.371	
21,000.0	11,879.0	21,153.6	11,879.0	76.6	79.9	90.00	9,567.8	1,650.9	823.7	668.9	154.76	5.323	
21,100.0	11,879.0	21,253.6	11,879.0	77.3	80.6	90.00	9,667.8	1,650.6	823.7	667.6	156.15	5.275	
21,200.0	11,879.0	21,353.6	11,879.0	78.0	81.3	90.00	9,767.8	1,650.4	823.7	666.2	157.54	5.229	
21,300.0	11,879.0	21,453.6	11,879.0	78.8	82.0	90.00	9,867.8	1,650.1	823.8	664.8	158.94	5.183	
21,400.0	11,879.0	21,553.6	11,879.0	79.5	82.7	90.00	9,967.8	1,649.9	823.8	663.5	160.34	5.138	
21,500.0	11,879.0	21,653.6	11,879.0	80.2	83.4	90.00	10,067.8	1,649.6	823.8	662.1	161.74	5.093	
21,600.0	11,879.0	21,753.6	11,879.0	80.9	84.0	90.00	10,167.8	1,649.4	823.9	660.7	163.14	5.050	
21,700.0	11,879.0	21,853.6	11,879.0	81.7	84.7	90.00	10,267.8	1,649.1	823.9	659.3	164.55	5.007	
21,800.0	11,879.0	21,953.6	11,879.0	82.4	85.5	90.00	10,367.8	1,648.9	823.9	658.0	165.96	4.965	
21,900.0	11,879.0	22,053.6	11,879.0	83.1	86.2	90.00	10,467.8	1,648.6	823.9	656.6	167.36	4.923	
22,000.0	11,879.0	22,153.6	11,879.0	83.8	86.9	90.00	10,567.8	1,648.4	824.0	655.2	168.77	4.882	
22,100.0	11,879.0	22,253.6	11,879.0	84.6	87.6	90.00	10,667.8	1,648.1	824.0	653.8	170.19	4.842	
22,142.9	11,879.0	22,296.5	11,879.0	84.9	87.9	90.00	10,710.8	1,648.0	824.0	653.2	170.79	4.825	
22,192.9	11,879.0	22,346.5	11,879.0	85.2	88.2	90.00	10,760.8	1,647.9	824.0	652.5	171.50	4.805 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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.9	2.9	3.0	3.0	-155.99	-199.6	-88.9	218.5				
100.0	100.0	102.9	102.9	3.0	3.0	-155.99	-199.6	-88.9	218.5	212.0	6.52	33.491	
200.0	200.0	202.9	202.9	3.2	3.2	-155.99	-199.6	-88.9	218.5	211.7	6.77	32.263	
300.0	300.0	302.9	302.9	3.3	3.3	-155.99	-199.6	-88.9	218.5	211.5	7.02	31.138	
400.0	400.0	402.9	402.9	3.4	3.4	-155.99	-199.6	-88.9	218.5	211.3	7.26	30.101	
500.0	500.0	502.9	502.9	3.5	3.6	-155.99	-199.6	-88.9	218.5	211.0	7.50	29.141	
600.0	600.0	602.9	602.9	3.7	3.7	-155.99	-199.6	-88.9	218.5	210.8	7.74	28.248	
700.0	700.0	702.9	702.9	3.8	3.8	-155.99	-199.6	-88.9	218.5	210.5	7.97	27.416	
800.0	800.0	802.9	802.9	3.9	3.9	-155.99	-199.6	-88.9	218.5	210.3	8.20	26.637	
900.0	900.0	902.9	902.9	4.0	4.0	-155.99	-199.6	-88.9	218.5	210.1	8.43	25.907	
1,000.0	1,000.0	1,002.9	1,002.9	4.2	4.2	-155.99	-199.6	-88.9	218.5	209.9	8.66	25.221	
1,100.0	1,100.0	1,102.9	1,102.9	4.3	4.3	-155.99	-199.6	-88.9	218.5	209.6	8.89	24.573	
1,200.0	1,200.0	1,202.9	1,202.9	4.4	4.4	-155.99	-199.6	-88.9	218.5	209.4	9.12	23.962	
1,300.0	1,300.0	1,302.9	1,302.9	4.5	4.5	-155.99	-199.6	-88.9	218.5	209.2	9.34	23.384	
1,400.0	1,400.0	1,402.9	1,402.9	4.6	4.6	-155.99	-199.6	-88.9	218.5	208.9	9.57	22.835	
1,500.0	1,500.0	1,502.9	1,502.9	4.8	4.8	-155.99	-199.6	-88.9	218.5	208.7	9.79	22.312 CC	
1,504.4	1,504.4	1,507.5	1,507.5	4.8	4.8	144.01	-199.6	-88.9	218.5	208.7	9.80	22.288 ES	
1,600.0	1,600.0	1,604.5	1,604.5	4.9	4.9	144.69	-198.5	-90.5	219.2	209.2	10.01	21.900	
1,700.0	1,699.9	1,705.6	1,705.4	5.0	5.1	146.65	-195.3	-94.9	221.5	211.1	10.34	21.427	
1,800.0	1,799.7	1,805.8	1,805.2	5.2	5.4	149.77	-190.0	-102.1	225.8	215.2	10.66	21.183 SF	
1,900.0	1,899.3	1,904.5	1,903.3	5.4	5.5	153.70	-183.2	-111.6	233.0	222.1	10.93	21.320	
2,000.0	1,998.6	2,002.5	2,000.5	5.7	5.7	157.66	-176.1	-121.2	243.7	232.4	11.31	21.552	
2,033.3	2,031.6	2,035.1	2,032.8	5.7	5.8	158.94	-173.8	-124.4	248.1	236.7	11.40	21.756	
2,100.0	2,097.5	2,100.0	2,097.2	5.9	6.0	156.83	-169.2	-130.8	257.9	246.3	11.64	22.165	
2,200.0	2,196.0	2,196.6	2,193.1	6.2	6.3	155.55	-162.2	-140.4	275.5	263.4	12.10	22.762	
2,257.8	2,252.6	2,252.0	2,248.2	6.4	6.4	155.49	-158.3	-145.8	287.3	275.0	12.34	23.288	
2,300.0	2,293.9	2,292.4	2,288.2	6.5	6.5	157.12	-155.4	-149.8	296.5	284.0	12.51	23.711	
2,400.0	2,391.7	2,388.0	2,383.1	6.8	6.8	160.62	-148.5	-159.2	319.2	306.2	13.00	24.552	
2,500.0	2,489.5	2,483.6	2,478.0	7.1	7.1	163.66	-141.7	-168.7	342.9	329.3	13.53	25.344	
2,600.0	2,587.4	2,579.1	2,572.8	7.5	7.4	166.32	-134.8	-178.1	367.4	353.3	14.08	26.082	
2,700.0	2,685.2	2,674.7	2,667.7	7.9	7.7	168.64	-128.0	-187.5	392.5	377.9	14.67	26.764	
2,800.0	2,783.0	2,770.3	2,762.6	8.2	8.1	170.69	-121.1	-196.9	418.2	403.0	15.27	27.392	
2,900.0	2,880.8	2,865.9	2,857.5	8.6	8.4	172.51	-114.3	-206.4	444.4	428.5	15.89	27.967	
3,000.0	2,978.6	2,961.5	2,952.4	9.0	8.7	174.12	-107.4	-215.8	470.9	454.4	16.53	28.495	
3,100.0	3,076.4	3,057.1	3,047.3	9.4	9.1	175.57	-100.6	-225.2	497.8	480.6	17.18	28.979	
3,200.0	3,174.2	3,152.7	3,142.1	9.9	9.4	176.86	-93.7	-234.6	524.9	507.1	17.84	29.422	
3,300.0	3,272.1	3,248.3	3,237.0	10.3	9.8	178.04	-86.9	-244.1	552.2	533.7	18.51	29.830	
3,400.0	3,369.9	3,343.9	3,331.9	10.7	10.1	179.10	-80.0	-253.5	579.8	560.6	19.20	30.204	
3,500.0	3,467.7	3,439.5	3,426.8	11.1	10.5	-179.94	-73.2	-262.9	607.5	587.6	19.89	30.550	
3,600.0	3,565.5	3,535.1	3,521.7	11.6	10.9	-179.05	-66.3	-272.3	635.4	614.8	20.58	30.868	
3,700.0	3,663.3	3,630.7	3,616.6	12.0	11.2	-178.25	-59.5	-281.8	663.3	642.1	21.29	31.162	
3,800.0	3,761.1	3,726.3	3,711.4	12.4	11.6	-177.50	-52.7	-291.2	691.4	669.4	22.00	31.435	
3,900.0	3,859.0	3,821.9	3,806.3	12.9	12.0	-176.82	-45.8	-300.6	719.6	696.9	22.71	31.688	
4,000.0	3,956.8	3,917.5	3,901.2	13.3	12.3	-176.18	-39.0	-310.0	747.9	724.5	23.43	31.923	
4,100.0	4,054.6	4,013.1	3,996.1	13.8	12.7	-175.59	-32.1	-319.5	776.3	752.1	24.15	32.143	
4,200.0	4,152.4	4,108.7	4,091.0	14.2	13.1	-175.05	-25.3	-328.9	804.7	779.9	24.88	32.347	
4,300.0	4,250.2	4,204.3	4,185.9	14.7	13.5	-174.54	-18.4	-338.3	833.2	807.6	25.61	32.538	
4,400.0	4,348.0	4,299.9	4,280.8	15.1	13.9	-174.06	-11.6	-347.7	861.8	835.5	26.34	32.717	
4,500.0	4,445.8	4,395.5	4,375.6	15.6	14.2	-173.61	-4.7	-357.2	890.4	863.3	27.08	32.885	
4,600.0	4,543.7	4,491.1	4,470.5	16.0	14.6	-173.19	2.1	-366.6	919.1	891.2	27.81	33.042	
4,700.0	4,641.5	4,586.7	4,565.4	16.5	15.0	-172.80	9.0	-376.0	947.8	919.2	28.55	33.191	
4,800.0	4,739.3	4,682.3	4,660.3	16.9	15.4	-172.43	15.8	-385.4	976.5	947.2	29.30	33.330	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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	2.0	2.0	3.0	3.0	-163.55	-199.8	-59.0	208.3				
100.0	100.0	102.0	102.0	3.0	3.0	-163.55	-199.8	-59.0	208.3	201.8	6.52	31.930	
200.0	200.0	202.0	202.0	3.2	3.2	-163.55	-199.8	-59.0	208.3	201.5	6.77	30.756	
300.0	300.0	302.0	302.0	3.3	3.3	-163.55	-199.8	-59.0	208.3	201.3	7.02	29.678	
400.0	400.0	402.0	402.0	3.4	3.4	-163.55	-199.8	-59.0	208.3	201.0	7.26	28.682	
500.0	500.0	502.0	502.0	3.5	3.5	-163.55	-199.8	-59.0	208.3	200.8	7.50	27.759	
600.0	600.0	602.0	602.0	3.7	3.7	-163.55	-199.8	-59.0	208.3	200.6	7.74	26.900	
700.0	700.0	702.0	702.0	3.8	3.8	-163.55	-199.8	-59.0	208.3	200.3	7.98	26.098	
800.0	800.0	802.0	802.0	3.9	3.9	-163.55	-199.8	-59.0	208.3	200.1	8.22	25.347	
900.0	900.0	902.0	902.0	4.0	4.0	-163.55	-199.8	-59.0	208.3	199.9	8.45	24.642	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	-163.55	-199.8	-59.0	208.3	199.6	8.69	23.979	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	-163.55	-199.8	-59.0	208.3	199.4	8.92	23.354	
1,200.0	1,200.0	1,202.0	1,202.0	4.4	4.4	-163.55	-199.8	-59.0	208.3	199.2	9.15	22.763	
1,300.0	1,300.0	1,302.0	1,302.0	4.5	4.5	-163.55	-199.8	-59.0	208.3	198.9	9.38	22.204	
1,400.0	1,400.0	1,402.0	1,402.0	4.6	4.6	-163.55	-199.8	-59.0	208.3	198.7	9.61	21.673	
1,500.0	1,500.0	1,502.1	1,502.1	4.8	4.8	-163.55	-199.8	-59.0	208.3	198.5	9.84	21.166	
1,600.0	1,600.0	1,609.5	1,609.5	4.9	5.0	136.92	-197.7	-59.1	207.4	197.3	10.16	20.421	
1,700.0	1,699.9	1,716.6	1,716.4	5.0	5.3	138.30	-191.6	-59.3	205.0	194.4	10.58	19.366	
1,800.0	1,799.7	1,823.3	1,822.6	5.2	5.6	140.67	-181.6	-59.7	201.2	190.1	11.02	18.256	
1,900.0	1,899.3	1,927.5	1,925.9	5.4	5.9	144.00	-168.1	-60.3	196.6	185.1	11.45	17.165	
2,000.0	1,998.6	2,026.6	2,024.0	5.7	6.1	147.84	-154.3	-60.8	194.0	182.1	11.87	16.346	
2,032.4	2,030.7	2,058.6	2,055.8	5.7	6.2	149.18	-149.9	-61.0	193.8	181.8	11.97	16.190 CC	
2,033.3	2,031.6	2,059.6	2,056.7	5.7	6.2	149.22	-149.7	-61.0	193.8	181.8	11.97	16.186 ES	
2,100.0	2,097.5	2,125.4	2,121.9	5.9	6.3	147.61	-140.6	-61.4	194.4	182.2	12.22	15.904	
2,200.0	2,196.0	2,223.8	2,219.3	6.2	6.6	147.62	-126.9	-61.9	198.0	185.3	12.69	15.599 SF	
2,257.8	2,252.6	2,280.3	2,275.3	6.4	6.8	148.54	-119.0	-62.2	201.7	188.8	12.91	15.619	
2,300.0	2,293.9	2,321.5	2,316.1	6.5	6.9	150.88	-113.3	-62.5	205.1	192.0	13.07	15.693	
2,400.0	2,391.7	2,419.2	2,412.8	6.8	7.2	156.12	-99.7	-63.0	214.4	200.9	13.51	15.865	
2,500.0	2,489.5	2,516.8	2,509.5	7.1	7.5	160.90	-86.1	-63.6	225.4	211.5	13.97	16.134	
2,600.0	2,587.4	2,614.5	2,606.2	7.5	7.8	165.22	-72.6	-64.1	237.9	223.5	14.44	16.473	
2,700.0	2,685.2	2,712.1	2,702.9	7.9	8.2	169.10	-59.0	-64.7	251.6	236.7	14.92	16.862	
2,800.0	2,783.0	2,809.8	2,799.6	8.2	8.5	172.58	-45.4	-65.2	266.4	250.9	15.41	17.285	
2,900.0	2,880.8	2,907.4	2,896.3	8.6	8.8	175.69	-31.8	-65.7	282.0	266.1	15.91	17.728	
3,000.0	2,978.6	3,005.1	2,993.0	9.0	9.2	178.47	-18.3	-66.3	298.4	281.9	16.41	18.180	
3,100.0	3,076.4	3,102.7	3,089.7	9.4	9.6	-179.04	-4.7	-66.8	315.4	298.4	16.92	18.634	
3,200.0	3,174.2	3,200.3	3,186.4	9.9	9.9	-176.80	8.9	-67.4	332.9	315.4	17.44	19.084	
3,300.0	3,272.1	3,298.0	3,283.1	10.3	10.3	-174.78	22.5	-67.9	350.9	332.9	17.97	19.527	
3,400.0	3,369.9	3,395.3	3,379.5	10.7	10.6	-172.98	35.9	-68.5	369.2	350.8	18.46	20.004	
3,500.0	3,467.7	3,492.2	3,475.6	11.1	11.0	-171.54	48.1	-69.0	388.1	369.1	19.00	20.431	
3,600.0	3,565.5	3,589.2	3,572.0	11.6	11.3	-170.46	58.7	-69.4	407.4	387.8	19.55	20.838	
3,700.0	3,663.3	3,686.4	3,668.8	12.0	11.7	-169.70	67.6	-69.7	426.9	406.8	20.12	21.224	
3,800.0	3,761.1	3,783.7	3,765.8	12.4	12.0	-169.22	74.9	-70.0	446.7	426.0	20.69	21.586	
3,900.0	3,859.0	3,881.0	3,862.9	12.9	12.4	-168.99	80.5	-70.3	466.6	445.3	21.28	21.925	
4,000.0	3,956.8	3,978.2	3,960.1	13.3	12.7	-168.97	84.5	-70.4	486.7	464.8	21.88	22.241	
4,100.0	4,054.6	4,075.4	4,057.3	13.8	12.9	-169.15	86.9	-70.5	506.9	484.4	22.49	22.537	
4,200.0	4,152.4	4,172.5	4,154.4	14.2	13.1	-169.49	87.6	-70.5	527.3	504.2	23.09	22.835	
4,300.0	4,250.2	4,270.4	4,252.2	14.7	13.1	-169.89	87.6	-70.5	547.8	524.1	23.71	23.105	
4,400.0	4,348.0	4,368.2	4,350.0	15.1	13.2	-170.26	87.6	-70.5	568.3	543.9	24.34	23.348	
4,500.0	4,445.8	4,466.0	4,447.8	15.6	13.3	-170.60	87.6	-70.5	588.8	563.8	24.97	23.577	
4,600.0	4,543.7	4,563.8	4,545.6	16.0	13.3	-170.92	87.6	-70.5	609.3	583.7	25.61	23.794	
4,700.0	4,641.5	4,661.6	4,643.5	16.5	13.4	-171.22	87.6	-70.5	629.9	603.6	26.24	23.999	
4,800.0	4,739.3	4,759.4	4,741.3	16.9	13.5	-171.50	87.6	-70.5	650.4	623.5	26.88	24.194	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
4,900.0	4,837.1	4,857.2	4,839.1	17.4	13.5	-171.76	87.6	-70.5	671.0	643.5	27.52	24.379	
5,000.0	4,934.9	4,955.1	4,936.9	17.8	13.6	-172.00	87.6	-70.5	691.6	663.4	28.17	24.554	
5,100.0	5,032.7	5,052.9	5,034.7	18.3	13.7	-172.24	87.6	-70.5	712.2	683.4	28.81	24.721	
5,200.0	5,130.5	5,150.7	5,132.5	18.8	13.8	-172.46	87.6	-70.5	732.8	703.4	29.45	24.880	
5,300.0	5,228.4	5,248.5	5,230.3	19.2	13.8	-172.66	87.6	-70.5	753.4	723.3	30.10	25.032	
5,400.0	5,326.2	5,346.3	5,328.2	19.7	13.9	-172.86	87.6	-70.5	774.1	743.3	30.75	25.177	
5,500.0	5,424.0	5,444.1	5,426.0	20.1	14.0	-173.05	87.6	-70.5	794.7	763.3	31.39	25.315	
5,600.0	5,521.8	5,541.9	5,523.8	20.6	14.0	-173.22	87.6	-70.5	815.3	783.3	32.04	25.447	
5,700.0	5,619.6	5,639.8	5,621.6	21.1	14.1	-173.39	87.6	-70.5	836.0	803.3	32.69	25.573	
5,800.0	5,717.4	5,737.6	5,719.4	21.5	14.2	-173.55	87.6	-70.5	856.7	823.3	33.34	25.694	
5,900.0	5,815.2	5,835.4	5,817.2	22.0	14.2	-173.70	87.6	-70.5	877.3	843.3	33.99	25.809	
5,925.3	5,840.0	5,860.1	5,842.0	22.1	14.3	-173.74	87.6	-70.5	882.6	848.4	34.15	25.844	
6,000.0	5,913.3	5,933.4	5,915.2	22.4	14.3	-173.87	87.6	-70.5	897.1	862.4	34.63	25.903	
6,100.0	6,011.9	6,032.0	6,013.9	22.9	14.4	-174.02	87.6	-70.5	913.5	878.2	35.28	25.892	
6,200.0	6,111.0	6,131.2	6,113.0	23.3	14.4	-174.13	87.6	-70.5	926.5	890.6	35.90	25.807	
6,300.0	6,210.5	6,230.7	6,212.5	23.8	14.5	-174.21	87.6	-70.5	936.0	899.5	36.48	25.656	
6,400.0	6,310.4	6,330.5	6,312.3	24.1	14.6	-174.26	87.6	-70.5	942.1	905.1	37.02	25.452	
6,500.0	6,410.3	6,430.5	6,412.3	24.4	14.7	-174.28	87.6	-70.5	944.7	907.3	37.46	25.223	
6,525.3	6,435.6	6,455.8	6,437.6	24.5	14.7	-102.28	87.6	-70.5	944.8	907.3	37.50	25.193	
6,600.0	6,510.3	6,530.5	6,512.3	24.5	14.7	-102.28	87.6	-70.5	944.8	907.3	37.57	25.149	
6,700.0	6,610.3	6,630.5	6,612.3	24.5	14.8	-102.28	87.6	-70.5	944.8	907.2	37.67	25.084	
6,800.0	6,710.3	6,730.5	6,712.3	24.6	14.9	-102.28	87.6	-70.5	944.8	907.1	37.77	25.018	
6,900.0	6,810.3	6,830.5	6,812.3	24.6	14.9	-102.28	87.6	-70.5	944.8	907.0	37.86	24.953	
7,000.0	6,910.3	6,930.5	6,912.3	24.6	15.0	-102.28	87.6	-70.5	944.8	906.9	37.96	24.888	
7,100.0	7,010.3	7,030.5	7,012.3	24.7	15.1	-102.28	87.6	-70.5	944.8	906.8	38.06	24.822	
7,200.0	7,110.3	7,130.5	7,112.3	24.7	15.2	-102.28	87.6	-70.5	944.8	906.7	38.16	24.757	
7,300.0	7,210.3	7,230.5	7,212.3	24.7	15.2	-102.28	87.6	-70.5	944.8	906.6	38.26	24.692	
7,400.0	7,310.3	7,330.5	7,312.3	24.8	15.3	-102.28	87.6	-70.5	944.8	906.5	38.37	24.627	
7,500.0	7,410.3	7,430.5	7,412.3	24.8	15.4	-102.28	87.6	-70.5	944.8	906.4	38.47	24.562	
7,600.0	7,510.3	7,530.5	7,512.3	24.8	15.5	-102.28	87.6	-70.5	944.8	906.3	38.57	24.497	
7,700.0	7,610.3	7,630.5	7,612.3	24.9	15.5	-102.28	87.6	-70.5	944.8	906.2	38.67	24.432	
7,800.0	7,710.3	7,730.5	7,712.3	24.9	15.6	-102.28	87.6	-70.5	944.8	906.1	38.77	24.368	
7,900.0	7,810.3	7,830.5	7,812.3	25.0	15.7	-102.28	87.6	-70.5	944.8	906.0	38.88	24.303	
8,000.0	7,910.3	7,930.5	7,912.3	25.0	15.7	-102.28	87.6	-70.5	944.8	905.9	38.98	24.239	
8,100.0	8,010.3	8,030.5	8,012.3	25.0	15.8	-102.28	87.6	-70.5	944.8	905.8	39.08	24.174	
8,200.0	8,110.3	8,130.5	8,112.3	25.1	15.9	-102.28	87.6	-70.5	944.8	905.6	39.19	24.110	
8,300.0	8,210.3	8,230.5	8,212.3	25.1	16.0	-102.28	87.6	-70.5	944.8	905.5	39.29	24.046	
8,400.0	8,310.3	8,330.5	8,312.3	25.1	16.0	-102.28	87.6	-70.5	944.8	905.4	39.40	23.982	
8,500.0	8,410.3	8,430.5	8,412.3	25.2	16.1	-102.28	87.6	-70.5	944.8	905.3	39.50	23.918	
8,600.0	8,510.3	8,530.5	8,512.3	25.2	16.2	-102.28	87.6	-70.5	944.8	905.2	39.61	23.854	
8,700.0	8,610.3	8,630.5	8,612.3	25.3	16.3	-102.28	87.6	-70.5	944.8	905.1	39.72	23.790	
8,800.0	8,710.3	8,730.5	8,712.3	25.3	16.3	-102.28	87.6	-70.5	944.8	905.0	39.82	23.726	
8,900.0	8,810.3	8,830.5	8,812.3	25.3	16.4	-102.28	87.6	-70.5	944.8	904.9	39.93	23.663	
9,000.0	8,910.3	8,930.5	8,912.3	25.4	16.5	-102.28	87.6	-70.5	944.8	904.8	40.04	23.599	
9,100.0	9,010.3	9,030.5	9,012.3	25.4	16.6	-102.28	87.6	-70.5	944.8	904.7	40.14	23.536	
9,200.0	9,110.3	9,130.5	9,112.3	25.5	16.6	-102.28	87.6	-70.5	944.8	904.6	40.25	23.473	
9,300.0	9,210.3	9,230.5	9,212.3	25.5	16.7	-102.28	87.6	-70.5	944.8	904.5	40.36	23.410	
9,400.0	9,310.3	9,330.5	9,312.3	25.5	16.8	-102.28	87.6	-70.5	944.8	904.4	40.47	23.347	
9,500.0	9,410.3	9,430.5	9,412.3	25.6	16.9	-102.28	87.6	-70.5	944.8	904.3	40.58	23.284	
9,600.0	9,510.3	9,530.5	9,512.3	25.6	16.9	-102.28	87.6	-70.5	944.8	904.1	40.69	23.222	
9,700.0	9,610.3	9,630.5	9,612.3	25.7	17.0	-102.28	87.6	-70.5	944.8	904.0	40.80	23.159	
9,800.0	9,710.3	9,730.5	9,712.3	25.7	17.1	-102.28	87.6	-70.5	944.8	903.9	40.91	23.097	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.0	9,810.3	9,830.5	9,812.3	25.7	17.1	-102.28	87.6	-70.5	944.8	903.8	41.02	23.035	
10,000.0	9,910.3	9,930.5	9,912.3	25.8	17.2	-102.28	87.6	-70.5	944.8	903.7	41.13	22.973	
10,100.0	10,010.3	10,030.5	10,012.3	25.8	17.3	-102.28	87.6	-70.5	944.8	903.6	41.24	22.911	
10,200.0	10,110.3	10,130.5	10,112.3	25.9	17.4	-102.28	87.6	-70.5	944.8	903.5	41.35	22.849	
10,300.0	10,210.3	10,230.5	10,212.3	25.9	17.4	-102.28	87.6	-70.5	944.8	903.4	41.46	22.787	
10,400.0	10,310.3	10,330.5	10,312.3	25.9	17.5	-102.28	87.6	-70.5	944.8	903.3	41.58	22.726	
10,500.0	10,410.3	10,430.5	10,412.3	26.0	17.6	-102.28	87.6	-70.5	944.8	903.1	41.69	22.665	
10,600.0	10,510.3	10,530.5	10,512.3	26.0	17.7	-102.28	87.6	-70.5	944.8	903.0	41.80	22.603	
10,700.0	10,610.3	10,630.5	10,612.3	26.1	17.7	-102.28	87.6	-70.5	944.8	902.9	41.91	22.542	
10,800.0	10,710.3	10,730.5	10,712.3	26.1	17.8	-102.28	87.6	-70.5	944.8	902.8	42.03	22.482	
10,900.0	10,810.3	10,830.5	10,812.3	26.2	17.9	-102.28	87.6	-70.5	944.8	902.7	42.14	22.421	
11,000.0	10,910.3	10,930.5	10,912.3	26.2	18.0	-102.28	87.6	-70.5	944.8	902.6	42.25	22.360	
11,100.0	11,010.3	11,030.5	11,012.3	26.2	18.0	-102.28	87.6	-70.5	944.8	902.5	42.37	22.300	
11,200.0	11,110.3	11,130.5	11,112.3	26.3	18.1	-102.28	87.6	-70.5	944.8	902.4	42.48	22.240	
11,300.0	11,210.3	11,230.5	11,212.3	26.3	18.2	-102.28	87.6	-70.5	944.8	902.2	42.60	22.180	
11,363.5	11,273.8	11,293.9	11,275.8	26.4	18.2	-102.28	87.6	-70.5	944.8	902.2	42.67	22.143	
11,395.7	11,306.0	11,325.2	11,307.0	26.4	18.3	-102.28	87.6	-70.5	944.8	902.1	42.69	22.131	
11,400.0	11,310.3	11,329.1	11,311.0	26.4	18.3	-102.13	87.6	-70.5	944.8	902.2	42.69	22.132	
11,450.0	11,360.2	11,366.2	11,348.0	26.4	18.3	-102.23	86.1	-70.5	945.8	903.1	42.68	22.161	
11,500.0	11,409.7	11,400.0	11,381.6	26.4	18.3	-102.44	82.7	-70.5	948.4	905.7	42.67	22.228	
11,550.0	11,458.5	11,435.3	11,416.5	26.4	18.4	-102.79	77.1	-70.5	952.9	910.2	42.69	22.322	
11,600.0	11,506.0	11,465.5	11,446.0	26.4	18.4	-103.05	70.5	-70.4	959.4	916.6	42.71	22.463	
11,650.0	11,552.1	11,500.0	11,479.1	26.4	18.5	-103.46	61.1	-70.4	968.2	925.4	42.77	22.639	
11,700.0	11,596.2	11,514.9	11,493.3	26.5	18.5	-102.98	56.5	-70.3	979.4	936.7	42.76	22.904	
11,750.0	11,638.2	11,533.8	11,511.1	26.5	18.5	-102.45	50.0	-70.3	993.4	950.6	42.79	23.214	

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		Offset Wellbore Centre		Distance		Rule Assigned:						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	1.7	1.7	3.0	3.0	-171.79	-200.0	-28.9	202.0					
100.0	100.0	101.7	101.7	3.0	3.0	-171.79	-200.0	-28.9	202.0	195.5	6.52	30.969		
200.0	200.0	201.7	201.7	3.2	3.2	-171.79	-200.0	-28.9	202.0	195.3	6.77	29.828		
300.0	300.0	301.7	301.7	3.3	3.3	-171.79	-200.0	-28.9	202.0	195.0	7.02	28.778		
400.0	400.0	401.7	401.7	3.4	3.4	-171.79	-200.0	-28.9	202.0	194.8	7.27	27.808		
500.0	500.0	501.7	501.7	3.5	3.5	-171.79	-200.0	-28.9	202.0	194.5	7.51	26.907		
600.0	600.0	601.7	601.7	3.7	3.7	-171.79	-200.0	-28.9	202.0	194.3	7.75	26.068		
700.0	700.0	701.7	701.7	3.8	3.8	-171.79	-200.0	-28.9	202.0	194.0	7.99	25.284		
800.0	800.0	801.7	801.7	3.9	3.9	-171.79	-200.0	-28.9	202.0	193.8	8.23	24.550		
900.0	900.0	901.7	901.7	4.0	4.0	-171.79	-200.0	-28.9	202.0	193.6	8.47	23.861		
1,000.0	1,000.0	1,001.7	1,001.7	4.2	4.2	-171.79	-200.0	-28.9	202.0	193.3	8.70	23.212		
1,100.0	1,100.0	1,101.7	1,101.7	4.3	4.3	-171.79	-200.0	-28.9	202.0	193.1	8.94	22.601		
1,200.0	1,200.0	1,201.7	1,201.7	4.4	4.4	-171.79	-200.0	-28.9	202.0	192.9	9.17	22.022		
1,300.0	1,300.0	1,301.7	1,301.7	4.5	4.5	-171.79	-200.0	-28.9	202.0	192.6	9.41	21.475		
1,400.0	1,400.0	1,401.7	1,401.7	4.6	4.6	-171.79	-200.0	-28.9	202.0	192.4	9.64	20.955		
1,500.0	1,500.0	1,501.8	1,501.8	4.8	4.8	-171.79	-200.0	-28.9	202.0	192.2	9.87	20.461		
1,600.0	1,600.0	1,607.0	1,607.0	4.9	4.9	128.37	-198.7	-28.1	201.5	191.4	10.12	19.903		
1,700.0	1,699.9	1,712.1	1,712.0	5.0	5.1	128.85	-194.9	-25.9	200.1	189.6	10.49	19.065		
1,800.0	1,799.7	1,817.1	1,816.8	5.2	5.3	129.67	-188.6	-22.3	197.7	186.9	10.88	18.168		
1,900.0	1,899.3	1,922.1	1,921.2	5.4	5.6	130.84	-179.8	-17.2	194.6	183.3	11.30	17.213		
2,000.0	1,998.6	2,026.9	2,025.2	5.7	5.8	132.40	-168.5	-10.7	190.6	178.9	11.72	16.257		
2,033.3	2,031.6	2,059.5	2,057.5	5.7	5.9	132.96	-164.7	-8.4	189.3	177.4	11.83	16.005		
2,100.0	2,097.5	2,123.7	2,121.1	5.9	6.0	129.49	-157.9	-3.0	187.6	175.5	12.10	15.511		
2,159.0	2,155.6	2,180.5	2,177.5	6.1	6.2	127.36	-152.8	2.6	187.2	174.8	12.41	15.083 CC, ES		
2,200.0	2,196.0	2,220.1	2,216.7	6.2	6.3	126.27	-149.7	6.9	187.4	174.8	12.62	14.855		
2,257.8	2,252.6	2,276.3	2,272.3	6.4	6.4	125.16	-146.0	13.7	188.5	175.6	12.84	14.680		
2,300.0	2,293.9	2,318.3	2,314.0	6.5	6.5	126.04	-143.4	18.9	189.6	176.6	13.00	14.584		
2,400.0	2,391.7	2,418.1	2,412.7	6.8	6.8	128.09	-137.3	31.4	192.3	178.8	13.52	14.223		
2,500.0	2,489.5	2,517.8	2,511.5	7.1	7.1	130.08	-131.3	43.9	195.3	181.2	14.08	13.870		
2,600.0	2,587.4	2,617.5	2,610.2	7.5	7.4	132.00	-125.2	56.3	198.5	183.8	14.68	13.527		
2,700.0	2,685.2	2,717.2	2,709.0	7.9	7.7	133.87	-119.1	68.8	201.9	186.6	15.30	13.197		
2,800.0	2,783.0	2,817.0	2,807.7	8.2	8.0	135.66	-113.0	81.3	205.6	189.6	15.96	12.881		
2,900.0	2,880.8	2,916.7	2,906.5	8.6	8.4	137.40	-106.9	93.8	209.4	192.8	16.65	12.579		
3,000.0	2,978.6	3,016.4	3,005.3	9.0	8.7	139.07	-100.8	106.2	213.4	196.1	17.36	12.293		
3,100.0	3,076.4	3,116.2	3,104.0	9.4	9.1	140.68	-94.8	118.7	217.6	199.5	18.10	12.023		
3,200.0	3,174.2	3,215.9	3,202.8	9.9	9.5	142.23	-88.7	131.2	222.0	203.1	18.86	11.769		
3,300.0	3,272.1	3,315.6	3,301.5	10.3	9.8	143.71	-82.6	143.7	226.5	206.9	19.64	11.531		
3,400.0	3,369.9	3,415.3	3,400.3	10.7	10.2	145.14	-76.5	156.1	231.2	210.7	20.44	11.309		
3,500.0	3,467.7	3,515.1	3,499.0	11.1	10.6	146.51	-70.4	168.6	236.0	214.7	21.26	11.101		
3,600.0	3,565.5	3,614.8	3,597.8	11.6	11.0	147.83	-64.3	181.1	240.9	218.8	22.08	10.909		
3,700.0	3,663.3	3,714.5	3,696.6	12.0	11.4	149.09	-58.2	193.6	246.0	223.0	22.92	10.729		
3,800.0	3,761.1	3,814.3	3,795.3	12.4	11.8	150.30	-52.2	206.0	251.1	227.3	23.77	10.563		
3,900.0	3,859.0	3,914.0	3,894.1	12.9	12.1	151.46	-46.1	218.5	256.4	231.8	24.63	10.408		
4,000.0	3,956.8	4,013.7	3,992.8	13.3	12.5	152.57	-40.0	231.0	261.8	236.3	25.50	10.265		
4,100.0	4,054.6	4,113.4	4,091.6	13.8	12.9	153.64	-33.9	243.5	267.2	240.9	26.37	10.132		
4,200.0	4,152.4	4,213.2	4,190.4	14.2	13.4	154.67	-27.8	255.9	272.8	245.5	27.25	10.009		
4,300.0	4,250.2	4,312.9	4,289.1	14.7	13.8	155.65	-21.7	268.4	278.4	250.3	28.14	9.895		
4,400.0	4,348.0	4,412.6	4,387.9	15.1	14.2	156.60	-15.7	280.9	284.2	255.1	29.03	9.789		
4,500.0	4,445.8	4,512.4	4,486.6	15.6	14.6	157.51	-9.6	293.4	290.0	260.0	29.92	9.691		
4,600.0	4,543.7	4,612.1	4,585.4	16.0	15.0	158.38	-3.5	305.8	295.8	265.0	30.82	9.600		
4,700.0	4,641.5	4,711.8	4,684.1	16.5	15.4	159.22	2.6	318.3	301.8	270.1	31.71	9.516		
4,800.0	4,739.3	4,810.1	4,781.5	16.9	15.8	160.02	8.6	330.6	307.8	275.2	32.61	9.438		

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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
4,900.0	4,837.1	4,900.0	4,870.7	17.4	16.3	160.78	13.3	340.2	315.8	282.3	33.54	9.417 SF	
5,000.0	4,934.9	4,989.5	4,959.9	17.8	16.6	161.60	16.7	347.2	327.0	292.7	34.33	9.525	
5,100.0	5,032.7	5,078.1	5,048.4	18.3	17.0	162.44	18.9	351.8	341.3	306.3	35.07	9.734	
5,200.0	5,130.5	5,165.9	5,136.1	18.8	17.2	163.27	19.9	353.8	358.7	323.1	35.65	10.062	
5,300.0	5,228.4	5,259.9	5,230.1	19.2	17.3	164.14	20.0	354.0	378.5	342.3	36.24	10.444	
5,400.0	5,326.2	5,357.7	5,327.9	19.7	17.4	164.95	20.0	354.0	398.6	361.8	36.83	10.823	
5,500.0	5,424.0	5,455.5	5,425.7	20.1	17.4	165.69	20.0	354.0	418.7	381.3	37.38	11.202	
5,600.0	5,521.8	5,553.3	5,523.5	20.6	17.5	166.36	20.0	354.0	438.9	401.0	37.93	11.571	
5,700.0	5,619.6	5,651.1	5,621.3	21.1	17.5	166.97	20.0	354.0	459.2	420.7	38.49	11.931	
5,800.0	5,717.4	5,748.9	5,719.2	21.5	17.6	167.53	20.0	354.0	479.5	440.4	39.04	12.281	
5,900.0	5,815.2	5,846.8	5,817.0	22.0	17.6	168.05	20.0	354.0	499.8	460.2	39.60	12.622	
5,925.3	5,840.0	5,871.5	5,841.7	22.1	17.6	168.17	20.0	354.0	505.0	465.2	39.73	12.709	
6,000.0	5,913.3	5,944.8	5,915.0	22.4	17.7	168.56	20.0	354.0	519.3	479.1	40.15	12.934	
6,100.0	6,011.9	6,043.4	6,013.6	22.9	17.7	168.97	20.0	354.0	535.5	494.8	40.70	13.156	
6,200.0	6,111.0	6,142.5	6,112.7	23.3	17.8	169.28	20.0	354.0	548.3	507.1	41.23	13.297	
6,300.0	6,210.5	6,242.1	6,212.3	23.8	17.8	169.50	20.0	354.0	557.7	516.0	41.74	13.363	
6,400.0	6,310.4	6,341.9	6,312.1	24.1	17.9	169.63	20.0	354.0	563.7	521.5	42.19	13.361	
6,500.0	6,410.3	6,441.8	6,412.0	24.4	17.9	169.69	20.0	354.0	566.3	523.8	42.57	13.302	
6,525.3	6,435.6	6,467.1	6,437.3	24.5	17.9	-118.31	20.0	354.0	566.4	523.8	42.62	13.292	
6,600.0	6,510.3	6,541.8	6,512.0	24.5	18.0	-118.31	20.0	354.0	566.4	523.8	42.67	13.275	
6,700.0	6,610.3	6,641.8	6,612.0	24.5	18.0	-118.31	20.0	354.0	566.4	523.7	42.75	13.249	
6,800.0	6,710.3	6,741.8	6,712.0	24.6	18.1	-118.31	20.0	354.0	566.4	523.6	42.84	13.223	
6,900.0	6,810.3	6,841.8	6,812.0	24.6	18.1	-118.31	20.0	354.0	566.4	523.5	42.92	13.197	
7,000.0	6,910.3	6,941.8	6,912.0	24.6	18.2	-118.31	20.0	354.0	566.4	523.4	43.00	13.172	
7,100.0	7,010.3	7,041.8	7,012.0	24.7	18.2	-118.31	20.0	354.0	566.4	523.3	43.09	13.146	
7,200.0	7,110.3	7,141.8	7,112.0	24.7	18.3	-118.31	20.0	354.0	566.4	523.3	43.17	13.120	
7,300.0	7,210.3	7,241.8	7,212.0	24.7	18.4	-118.31	20.0	354.0	566.4	523.2	43.26	13.094	
7,400.0	7,310.3	7,341.8	7,312.0	24.8	18.4	-118.31	20.0	354.0	566.4	523.1	43.35	13.068	
7,500.0	7,410.3	7,441.8	7,412.0	24.8	18.5	-118.31	20.0	354.0	566.4	523.0	43.43	13.042	
7,600.0	7,510.3	7,541.8	7,512.0	24.8	18.5	-118.31	20.0	354.0	566.4	522.9	43.52	13.016	
7,700.0	7,610.3	7,641.8	7,612.0	24.9	18.6	-118.31	20.0	354.0	566.4	522.8	43.61	12.989	
7,800.0	7,710.3	7,741.8	7,712.0	24.9	18.6	-118.31	20.0	354.0	566.4	522.7	43.70	12.963	
7,900.0	7,810.3	7,841.8	7,812.0	25.0	18.7	-118.31	20.0	354.0	566.4	522.7	43.78	12.937	
8,000.0	7,910.3	7,941.8	7,912.0	25.0	18.7	-118.31	20.0	354.0	566.4	522.6	43.87	12.911	
8,100.0	8,010.3	8,041.8	8,012.0	25.0	18.8	-118.31	20.0	354.0	566.4	522.5	43.96	12.885	
8,200.0	8,110.3	8,141.8	8,112.0	25.1	18.8	-118.31	20.0	354.0	566.4	522.4	44.05	12.859	
8,300.0	8,210.3	8,241.8	8,212.0	25.1	18.9	-118.31	20.0	354.0	566.4	522.3	44.14	12.833	
8,400.0	8,310.3	8,341.8	8,312.0	25.1	19.0	-118.31	20.0	354.0	566.4	522.2	44.23	12.806	
8,500.0	8,410.3	8,441.8	8,412.0	25.2	19.0	-118.31	20.0	354.0	566.4	522.1	44.32	12.780	
8,600.0	8,510.3	8,541.8	8,512.0	25.2	19.1	-118.31	20.0	354.0	566.4	522.0	44.41	12.754	
8,700.0	8,610.3	8,641.8	8,612.0	25.3	19.1	-118.31	20.0	354.0	566.4	521.9	44.50	12.728	
8,800.0	8,710.3	8,741.8	8,712.0	25.3	19.2	-118.31	20.0	354.0	566.4	521.8	44.60	12.702	
8,900.0	8,810.3	8,841.8	8,812.0	25.3	19.2	-118.31	20.0	354.0	566.4	521.8	44.69	12.675	
9,000.0	8,910.3	8,941.8	8,912.0	25.4	19.3	-118.31	20.0	354.0	566.4	521.7	44.78	12.649	
9,100.0	9,010.3	9,041.8	9,012.0	25.4	19.4	-118.31	20.0	354.0	566.4	521.6	44.87	12.623	
9,200.0	9,110.3	9,141.8	9,112.0	25.5	19.4	-118.31	20.0	354.0	566.4	521.5	44.97	12.597	
9,300.0	9,210.3	9,241.8	9,212.0	25.5	19.5	-118.31	20.0	354.0	566.4	521.4	45.06	12.570	
9,400.0	9,310.3	9,341.8	9,312.0	25.5	19.5	-118.31	20.0	354.0	566.4	521.3	45.16	12.544	
9,500.0	9,410.3	9,441.8	9,412.0	25.6	19.6	-118.31	20.0	354.0	566.4	521.2	45.25	12.518	
9,600.0	9,510.3	9,541.8	9,512.0	25.6	19.6	-118.31	20.0	354.0	566.4	521.1	45.35	12.492	
9,700.0	9,610.3	9,641.8	9,612.0	25.7	19.7	-118.31	20.0	354.0	566.4	521.0	45.44	12.465	
9,800.0	9,710.3	9,741.8	9,712.0	25.7	19.8	-118.31	20.0	354.0	566.4	520.9	45.54	12.439	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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		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	9,810.3	9,841.8	9,812.0	25.7	19.8	-118.31	20.0	354.0	566.4	520.8	45.63	12.413	
10,000.0	9,910.3	9,941.8	9,912.0	25.8	19.9	-118.31	20.0	354.0	566.4	520.7	45.73	12.387	
10,100.0	10,010.3	10,041.8	10,012.0	25.8	19.9	-118.31	20.0	354.0	566.4	520.6	45.83	12.361	
10,200.0	10,110.3	10,141.8	10,112.0	25.9	20.0	-118.31	20.0	354.0	566.4	520.5	45.92	12.334	
10,300.0	10,210.3	10,241.8	10,212.0	25.9	20.1	-118.31	20.0	354.0	566.4	520.4	46.02	12.308	
10,400.0	10,310.3	10,341.8	10,312.0	25.9	20.1	-118.31	20.0	354.0	566.4	520.3	46.12	12.282	
10,500.0	10,410.3	10,441.8	10,412.0	26.0	20.2	-118.31	20.0	354.0	566.4	520.2	46.22	12.256	
10,600.0	10,510.3	10,541.8	10,512.0	26.0	20.2	-118.31	20.0	354.0	566.4	520.1	46.32	12.230	
10,700.0	10,610.3	10,641.8	10,612.0	26.1	20.3	-118.31	20.0	354.0	566.4	520.0	46.41	12.204	
10,800.0	10,710.3	10,741.8	10,712.0	26.1	20.4	-118.31	20.0	354.0	566.4	519.9	46.51	12.178	
10,900.0	10,810.3	10,841.8	10,812.0	26.2	20.4	-118.31	20.0	354.0	566.4	519.8	46.61	12.152	
11,000.0	10,910.3	10,941.8	10,912.0	26.2	20.5	-118.31	20.0	354.0	566.4	519.7	46.71	12.126	
11,100.0	11,010.3	11,041.8	11,012.0	26.2	20.5	-118.31	20.0	354.0	566.4	519.6	46.81	12.100	
11,200.0	11,110.3	11,141.8	11,112.0	26.3	20.6	-118.31	20.0	354.0	566.4	519.5	46.91	12.075	
11,300.0	11,210.3	11,216.3	11,186.5	26.3	20.6	-118.54	17.4	354.0	568.2	521.5	46.78	12.147	
11,395.7	11,306.0	11,280.2	11,249.6	26.4	20.7	-119.39	7.8	354.0	575.2	528.6	46.57	12.350	
11,400.0	11,310.3	11,283.0	11,252.3	26.4	20.7	-119.24	7.2	354.0	575.6	529.1	46.51	12.378	
11,450.0	11,360.2	11,314.8	11,283.2	26.4	20.7	-119.40	-0.3	354.1	582.9	536.5	46.37	12.571	
11,500.0	11,409.7	11,350.0	11,316.8	26.4	20.7	-119.73	-10.6	354.2	593.9	547.7	46.23	12.847	
11,550.0	11,458.5	11,370.9	11,336.5	26.4	20.7	-119.37	-17.7	354.2	608.8	562.8	45.99	13.236	
11,600.0	11,506.0	11,400.0	11,363.4	26.4	20.7	-119.25	-28.8	354.3	627.7	581.9	45.80	13.706	
11,650.0	11,552.1	11,414.4	11,376.5	26.4	20.7	-117.95	-34.8	354.3	650.5	605.0	45.55	14.281	
11,700.0	11,596.2	11,431.1	11,391.5	26.5	20.7	-116.37	-42.1	354.4	677.1	631.8	45.32	14.940	
11,750.0	11,638.2	11,450.0	11,408.2	26.5	20.8	-114.52	-51.0	354.4	707.3	662.2	45.10	15.681	
11,800.0	11,677.6	11,450.0	11,408.2	26.5	20.8	-110.41	-51.0	354.4	740.5	695.6	44.89	16.496	
11,850.0	11,714.2	11,450.0	11,408.2	26.5	20.8	-105.46	-51.0	354.4	776.5	731.8	44.70	17.373	
11,900.0	11,747.7	11,467.3	11,423.2	26.5	20.8	-101.54	-59.5	354.5	814.4	769.9	44.49	18.303	
11,950.0	11,777.8	11,469.8	11,425.4	26.6	20.8	-95.33	-60.8	354.5	854.2	809.9	44.31	19.276	
12,000.0	11,804.4	11,470.3	11,425.8	26.6	20.8	-88.21	-61.1	354.5	895.2	851.1	44.14	20.282	
12,050.0	11,827.1	11,468.9	11,424.7	26.6	20.8	-80.46	-60.4	354.5	937.0	893.1	43.96	21.314	
12,100.0	11,845.9	11,465.9	11,422.0	26.7	20.8	-72.50	-58.8	354.5	979.2	935.4	43.79	22.362	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11386-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	2.0	2.0	3.0	3.0	179.69	-200.1	1.1	200.1				
100.0	100.0	102.0	102.0	3.0	3.0	179.69	-200.1	1.1	200.1	193.6	6.52	30.676	
200.0	200.0	202.0	202.0	3.2	3.2	179.69	-200.1	1.1	200.1	193.4	6.77	29.545	
300.0	300.0	302.0	302.0	3.3	3.3	179.69	-200.1	1.1	200.1	193.1	7.02	28.504	
400.0	400.0	402.0	402.0	3.4	3.4	179.69	-200.1	1.1	200.1	192.9	7.27	27.541	
500.0	500.0	502.0	502.0	3.5	3.5	179.69	-200.1	1.1	200.1	192.6	7.51	26.647	
600.0	600.0	602.0	602.0	3.7	3.7	179.69	-200.1	1.1	200.1	192.4	7.75	25.814	
700.0	700.0	702.0	702.0	3.8	3.8	179.69	-200.1	1.1	200.1	192.1	7.99	25.036	
800.0	800.0	802.0	802.0	3.9	3.9	179.69	-200.1	1.1	200.1	191.9	8.23	24.307	
900.0	900.0	902.0	902.0	4.0	4.0	179.69	-200.1	1.1	200.1	191.7	8.47	23.623	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	179.69	-200.1	1.1	200.1	191.4	8.71	22.978	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	179.69	-200.1	1.1	200.1	191.2	8.95	22.370	
1,200.0	1,200.0	1,202.0	1,202.0	4.4	4.4	179.69	-200.1	1.1	200.1	191.0	9.18	21.796	
1,300.0	1,300.0	1,302.0	1,302.0	4.5	4.5	179.69	-200.1	1.1	200.1	190.7	9.42	21.252	
1,400.0	1,400.0	1,402.0	1,402.0	4.6	4.6	179.69	-200.1	1.1	200.1	190.5	9.65	20.736	
1,500.0	1,500.0	1,502.1	1,502.1	4.8	4.8	179.69	-200.1	1.1	200.1	190.2	9.89	20.245	
1,600.0	1,600.0	1,605.9	1,605.9	4.9	4.9	119.74	-199.1	2.1	199.8	189.7	10.11	19.755	
1,700.0	1,699.9	1,709.7	1,709.6	5.0	5.1	119.89	-196.1	5.1	198.8	188.4	10.45	19.020	
1,800.0	1,799.7	1,813.5	1,813.2	5.2	5.3	120.16	-191.0	10.2	197.3	186.5	10.80	18.259	
1,900.0	1,899.3	1,917.3	1,916.5	5.4	5.5	120.55	-184.0	17.2	195.1	183.9	11.17	17.468	
2,000.0	1,998.6	2,021.0	2,019.4	5.7	5.8	121.06	-175.0	26.2	192.3	180.8	11.53	16.682	
2,033.3	2,031.6	2,054.3	2,052.4	5.7	5.8	121.24	-171.8	29.5	191.3	179.7	11.60	16.490	
2,100.0	2,097.5	2,119.6	2,116.9	5.9	6.0	117.01	-165.8	37.1	189.8	178.0	11.82	16.061	
2,200.0	2,196.0	2,217.5	2,213.5	6.2	6.3	112.57	-157.8	51.0	188.4	176.1	12.26	15.367	
2,257.8	2,252.6	2,274.2	2,269.2	6.4	6.4	110.73	-153.7	60.5	188.0	175.5	12.47	15.078	
2,294.4	2,288.5	2,310.1	2,304.4	6.4	6.6	110.90	-151.2	67.1	187.9	175.3	12.58	14.933 CC	
2,300.0	2,293.9	2,315.5	2,309.8	6.5	6.6	110.91	-150.9	68.1	187.9	175.3	12.60	14.917	
2,400.0	2,391.7	2,415.0	2,407.1	6.8	6.8	110.91	-144.8	87.8	188.2	175.3	12.93	14.561	
2,500.0	2,489.5	2,515.0	2,504.9	7.1	7.1	110.87	-138.7	107.6	188.5	175.2	13.32	14.159	
2,600.0	2,587.4	2,615.0	2,602.7	7.5	7.5	110.84	-132.6	127.5	188.9	175.2	13.72	13.771	
2,700.0	2,685.2	2,715.0	2,700.5	7.9	7.8	110.80	-126.6	147.4	189.2	175.1	14.12	13.398	
2,800.0	2,783.0	2,815.0	2,798.4	8.2	8.2	110.76	-120.5	167.3	189.6	175.0	14.54	13.039	
2,900.0	2,880.8	2,915.0	2,896.2	8.6	8.6	110.72	-114.4	187.2	189.9	175.0	14.96	12.694	
3,000.0	2,978.6	3,015.0	2,994.0	9.0	9.0	110.68	-108.3	207.1	190.3	174.9	15.39	12.364	
3,100.0	3,076.4	3,115.0	3,091.8	9.4	9.4	110.65	-102.3	226.9	190.6	174.8	15.82	12.047	
3,200.0	3,174.2	3,215.0	3,189.6	9.9	9.8	110.61	-96.2	246.8	190.9	174.7	16.26	11.744	
3,300.0	3,272.1	3,315.0	3,287.4	10.3	10.2	110.57	-90.1	266.7	191.3	174.6	16.70	11.454	
3,400.0	3,369.9	3,415.0	3,385.2	10.7	10.6	110.53	-84.0	286.6	191.6	174.5	17.15	11.176	
3,500.0	3,467.7	3,515.0	3,483.1	11.1	11.0	110.50	-77.9	306.5	192.0	174.4	17.60	10.909	
3,600.0	3,565.5	3,615.0	3,580.9	11.6	11.5	110.46	-71.9	326.3	192.3	174.2	18.05	10.655	
3,700.0	3,663.3	3,715.0	3,678.7	12.0	11.9	110.42	-65.8	346.2	192.6	174.1	18.50	10.410	
3,800.0	3,761.1	3,815.0	3,776.5	12.4	12.3	110.39	-59.7	366.1	193.0	174.0	18.96	10.177	
3,900.0	3,859.0	3,915.0	3,874.3	12.9	12.8	110.35	-53.6	386.0	193.3	173.9	19.42	9.953	
4,000.0	3,956.8	4,015.0	3,972.1	13.3	13.2	110.31	-47.5	405.9	193.7	173.8	19.89	9.738	
4,100.0	4,054.6	4,115.0	4,069.9	13.8	13.7	110.28	-41.5	425.8	194.0	173.6	20.35	9.532	
4,200.0	4,152.4	4,215.0	4,167.8	14.2	14.1	110.24	-35.4	445.6	194.3	173.5	20.82	9.334	
4,300.0	4,250.2	4,315.0	4,265.6	14.7	14.5	110.20	-29.3	465.5	194.7	173.4	21.29	9.145	
4,400.0	4,348.0	4,415.0	4,363.4	15.1	15.0	110.17	-23.2	485.4	195.0	173.3	21.76	8.963	
4,500.0	4,445.8	4,515.0	4,461.2	15.6	15.4	110.13	-17.1	505.3	195.4	173.1	22.23	8.788	
4,600.0	4,543.7	4,615.0	4,559.0	16.0	15.9	110.10	-11.1	525.2	195.7	173.0	22.71	8.620	
4,700.0	4,641.5	4,715.0	4,656.8	16.5	16.4	110.06	-5.0	545.1	196.1	172.9	23.18	8.458	
4,800.0	4,739.3	4,815.0	4,754.6	16.9	16.8	110.03	1.1	564.9	196.4	172.7	23.66	8.302	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11386-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	
4,900.0	4,837.1	4,915.0	4,852.5	17.4	17.3	109.99	7.2	584.8	196.7	172.6	24.13	8.152		
5,000.0	4,934.9	5,015.0	4,950.3	17.8	17.7	109.96	13.2	604.7	197.1	172.5	24.61	8.008		
5,100.0	5,032.7	5,115.0	5,048.1	18.3	18.2	109.92	19.3	624.6	197.4	172.3	25.09	7.869		
5,200.0	5,130.5	5,215.0	5,145.9	18.8	18.6	109.88	25.4	644.5	197.8	172.2	25.57	7.735		
5,300.0	5,228.4	5,314.7	5,243.4	19.2	19.1	109.87	31.4	664.2	198.1	172.1	26.04	7.608 ES		
5,400.0	5,326.2	5,413.6	5,340.4	19.7	19.6	110.18	37.1	682.7	198.9	172.3	26.63	7.469		
5,500.0	5,424.0	5,512.4	5,437.6	20.1	20.0	110.95	42.2	699.5	200.2	172.9	27.30	7.334		
5,600.0	5,521.8	5,611.0	5,535.0	20.6	20.4	112.17	46.9	714.8	202.3	174.2	28.10	7.197		
5,700.0	5,619.6	5,709.5	5,632.5	21.1	20.8	113.79	51.0	728.3	205.0	176.0	29.04	7.060		
5,800.0	5,717.4	5,807.8	5,729.9	21.5	21.3	115.78	54.7	740.3	208.7	178.5	30.12	6.928		
5,900.0	5,815.2	5,905.7	5,827.2	22.0	21.7	118.11	57.9	750.6	213.3	182.0	31.34	6.807		
5,925.3	5,840.0	5,930.4	5,851.8	22.1	21.7	118.74	58.6	753.0	214.7	183.0	31.66	6.781		
6,000.0	5,913.3	6,003.4	5,924.5	22.4	22.0	120.56	60.5	759.3	218.7	186.1	32.60	6.709		
6,100.0	6,011.9	6,101.0	6,021.9	22.9	22.4	122.55	62.7	766.5	223.5	189.8	33.72	6.627		
6,200.0	6,111.0	6,198.7	6,119.4	23.3	22.7	124.09	64.4	772.0	227.5	192.8	34.68	6.560		
6,300.0	6,210.5	6,296.4	6,217.0	23.8	23.1	125.22	65.6	775.9	230.6	195.2	35.47	6.502		
6,400.0	6,310.4	6,394.1	6,314.6	24.1	23.3	125.95	66.3	778.3	232.8	196.7	36.08	6.451		
6,500.0	6,410.3	6,491.8	6,412.3	24.4	23.5	126.32	66.6	779.1	233.9	197.4	36.45	6.416		
6,525.3	6,435.6	6,517.1	6,437.7	24.5	23.5	-161.66	66.6	779.1	233.9	197.4	36.49	6.411		
6,600.0	6,510.3	6,591.8	6,512.3	24.5	23.5	-161.66	66.6	779.1	233.9	197.3	36.57	6.396		
6,700.0	6,610.3	6,691.8	6,612.3	24.5	23.6	-161.66	66.6	779.1	233.9	197.2	36.67	6.378		
6,800.0	6,710.3	6,791.8	6,712.3	24.6	23.6	-161.66	66.6	779.1	233.9	197.1	36.77	6.361		
6,900.0	6,810.3	6,891.8	6,812.3	24.6	23.7	-161.66	66.6	779.1	233.9	197.0	36.87	6.344		
7,000.0	6,910.3	6,991.8	6,912.3	24.6	23.7	-161.66	66.6	779.1	233.9	196.9	36.97	6.326		
7,100.0	7,010.3	7,091.8	7,012.3	24.7	23.7	-161.66	66.6	779.1	233.9	196.8	37.08	6.309		
7,200.0	7,110.3	7,191.8	7,112.3	24.7	23.8	-161.66	66.6	779.1	233.9	196.7	37.18	6.292		
7,300.0	7,210.3	7,291.8	7,212.3	24.7	23.8	-161.66	66.6	779.1	233.9	196.6	37.28	6.275		
7,400.0	7,310.3	7,391.8	7,312.3	24.8	23.8	-161.66	66.6	779.1	233.9	196.5	37.38	6.258		
7,500.0	7,410.3	7,491.8	7,412.3	24.8	23.9	-161.66	66.6	779.1	233.9	196.4	37.48	6.240		
7,600.0	7,510.3	7,591.8	7,512.3	24.8	23.9	-161.66	66.6	779.1	233.9	196.3	37.59	6.223		
7,700.0	7,610.3	7,691.8	7,612.3	24.9	24.0	-161.66	66.6	779.1	233.9	196.2	37.69	6.206		
7,800.0	7,710.3	7,791.8	7,712.3	24.9	24.0	-161.66	66.6	779.1	233.9	196.1	37.80	6.189		
7,900.0	7,810.3	7,891.8	7,812.3	25.0	24.0	-161.66	66.6	779.1	233.9	196.0	37.90	6.172		
8,000.0	7,910.3	7,991.8	7,912.3	25.0	24.1	-161.66	66.6	779.1	233.9	195.9	38.00	6.155		
8,100.0	8,010.3	8,091.8	8,012.3	25.0	24.1	-161.66	66.6	779.1	233.9	195.8	38.11	6.138		
8,200.0	8,110.3	8,191.8	8,112.3	25.1	24.1	-161.66	66.6	779.1	233.9	195.7	38.22	6.121		
8,300.0	8,210.3	8,291.8	8,212.3	25.1	24.2	-161.66	66.6	779.1	233.9	195.6	38.32	6.104		
8,400.0	8,310.3	8,391.8	8,312.3	25.1	24.2	-161.66	66.6	779.1	233.9	195.5	38.43	6.087		
8,500.0	8,410.3	8,491.8	8,412.3	25.2	24.3	-161.66	66.6	779.1	233.9	195.4	38.53	6.070		
8,600.0	8,510.3	8,591.8	8,512.3	25.2	24.3	-161.66	66.6	779.1	233.9	195.3	38.64	6.054		
8,700.0	8,610.3	8,691.8	8,612.3	25.3	24.3	-161.66	66.6	779.1	233.9	195.2	38.75	6.037		
8,800.0	8,710.3	8,791.8	8,712.3	25.3	24.4	-161.66	66.6	779.1	233.9	195.1	38.86	6.020		
8,900.0	8,810.3	8,891.8	8,812.3	25.3	24.4	-161.66	66.6	779.1	233.9	195.0	38.97	6.003		
9,000.0	8,910.3	8,991.8	8,912.3	25.4	24.5	-161.66	66.6	779.1	233.9	194.8	39.07	5.987		
9,100.0	9,010.3	9,091.8	9,012.3	25.4	24.5	-161.66	66.6	779.1	233.9	194.7	39.18	5.970		
9,200.0	9,110.3	9,191.8	9,112.3	25.5	24.6	-161.66	66.6	779.1	233.9	194.6	39.29	5.953		
9,300.0	9,210.3	9,291.8	9,212.3	25.5	24.6	-161.66	66.6	779.1	233.9	194.5	39.40	5.937		
9,400.0	9,310.3	9,391.8	9,312.3	25.5	24.6	-161.66	66.6	779.1	233.9	194.4	39.51	5.920		
9,500.0	9,410.3	9,491.8	9,412.3	25.6	24.7	-161.66	66.6	779.1	233.9	194.3	39.62	5.904		
9,600.0	9,510.3	9,591.8	9,512.3	25.6	24.7	-161.66	66.6	779.1	233.9	194.2	39.73	5.887		
9,700.0	9,610.3	9,691.8	9,612.3	25.7	24.8	-161.66	66.6	779.1	233.9	194.1	39.84	5.871		
9,800.0	9,710.3	9,791.8	9,712.3	25.7	24.8	-161.66	66.6	779.1	233.9	194.0	39.96	5.854		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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, 11386-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.0	9,810.3	9,891.8	9,812.3	25.7	24.9	-161.66	66.6	779.1	233.9	193.9	40.07	5.838	
10,000.0	9,910.3	9,991.8	9,912.3	25.8	24.9	-161.66	66.6	779.1	233.9	193.7	40.18	5.822	
10,100.0	10,010.3	10,091.8	10,012.3	25.8	24.9	-161.66	66.6	779.1	233.9	193.6	40.29	5.806	
10,200.0	10,110.3	10,191.8	10,112.3	25.9	25.0	-161.66	66.6	779.1	233.9	193.5	40.41	5.789	
10,300.0	10,210.3	10,291.8	10,212.3	25.9	25.0	-161.66	66.6	779.1	233.9	193.4	40.52	5.773	
10,400.0	10,310.3	10,391.8	10,312.3	25.9	25.1	-161.66	66.6	779.1	233.9	193.3	40.63	5.757	
10,500.0	10,410.3	10,491.8	10,412.3	26.0	25.1	-161.66	66.6	779.1	233.9	193.2	40.75	5.741	
10,600.0	10,510.3	10,591.8	10,512.3	26.0	25.2	-161.66	66.6	779.1	233.9	193.1	40.86	5.725	
10,700.0	10,610.3	10,691.8	10,612.3	26.1	25.2	-161.66	66.6	779.1	233.9	192.9	40.97	5.709	
10,800.0	10,710.3	10,791.8	10,712.3	26.1	25.2	-161.66	66.6	779.1	233.9	192.8	41.09	5.693	
10,900.0	10,810.3	10,891.8	10,812.3	26.2	25.3	-161.66	66.6	779.1	233.9	192.7	41.20	5.677	
11,000.0	10,910.3	10,991.8	10,912.3	26.2	25.3	-161.66	66.6	779.1	233.9	192.6	41.32	5.661	
11,100.0	11,010.3	11,091.8	11,012.3	26.2	25.4	-161.66	66.6	779.1	233.9	192.5	41.44	5.645	
11,200.0	11,110.3	11,191.8	11,112.3	26.3	25.4	-161.66	66.6	779.1	233.9	192.4	41.55	5.630	
11,300.0	11,210.3	11,291.8	11,212.3	26.3	25.5	-161.66	66.6	779.1	233.9	192.3	41.67	5.614	
11,363.5	11,273.8	11,355.3	11,275.8	26.4	25.5	-161.66	66.6	779.1	233.9	192.2	41.73	5.606	
11,395.7	11,306.0	11,386.5	11,307.0	26.4	25.5	-161.66	66.6	779.1	233.9	192.2	41.74	5.604 SF	
11,400.0	11,310.3	11,390.3	11,310.9	26.4	25.5	-161.50	66.5	779.1	234.0	192.2	41.73	5.607	
11,450.0	11,360.2	11,426.1	11,346.6	26.4	25.5	-161.62	65.2	779.1	238.2	196.7	41.46	5.745	
11,500.0	11,409.7	11,460.7	11,381.1	26.4	25.5	-161.87	61.8	779.1	249.4	208.3	41.12	6.065	
11,550.0	11,458.5	11,500.0	11,419.8	26.4	25.5	-162.39	55.4	779.1	267.4	226.6	40.81	6.553	
11,600.0	11,506.0	11,522.6	11,441.8	26.4	25.5	-162.39	50.5	779.2	291.4	251.0	40.47	7.201	
11,650.0	11,552.1	11,550.0	11,468.3	26.4	25.5	-162.46	43.4	779.2	321.2	280.9	40.24	7.981	
11,700.0	11,596.2	11,570.9	11,488.3	26.5	25.5	-162.07	37.1	779.2	355.8	315.7	40.12	8.869	
11,750.0	11,638.2	11,589.5	11,505.8	26.5	25.6	-161.26	31.0	779.3	394.6	354.5	40.06	9.850	
11,800.0	11,677.6	11,600.0	11,515.6	26.5	25.6	-159.35	27.2	779.3	436.8	396.7	40.09	10.893	
11,850.0	11,714.2	11,616.2	11,530.6	26.5	25.6	-157.10	21.1	779.4	481.5	441.5	40.07	12.018	
11,900.0	11,747.7	11,624.8	11,538.5	26.5	25.6	-152.48	17.7	779.4	528.4	488.3	40.10	13.177	
11,950.0	11,777.8	11,630.5	11,543.7	26.6	25.6	-143.79	15.4	779.4	576.6	536.5	40.12	14.371	
12,000.0	11,804.4	11,633.7	11,546.6	26.6	25.6	-125.44	14.1	779.4	625.8	585.7	40.14	15.591	
12,050.0	11,827.1	11,634.7	11,547.5	26.6	25.6	-87.90	13.7	779.4	675.4	635.3	40.14	16.828	
12,100.0	11,845.9	11,633.6	11,546.5	26.7	25.6	-48.96	14.1	779.4	725.1	685.0	40.11	18.076	
12,150.0	11,860.6	11,630.8	11,544.0	26.7	25.6	-29.32	15.3	779.4	774.4	734.3	40.07	19.327	
12,200.0	11,871.0	11,626.4	11,539.9	26.7	25.6	-19.95	17.1	779.4	823.1	783.1	40.00	20.576	
12,250.0	11,877.2	11,620.6	11,534.6	26.8	25.6	-14.81	19.4	779.4	870.8	830.9	39.91	21.816	
12,295.7	11,879.0	11,600.0	11,515.6	26.8	25.6	-11.46	27.2	779.3	913.6	873.7	39.92	22.888	
12,300.0	11,879.0	11,600.0	11,515.6	26.8	25.6	-11.46	27.2	779.3	917.5	877.6	39.90	22.996	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.6	3.6	3.0	3.0	171.19	-200.3	31.0	202.7				
100.0	100.0	103.6	103.6	3.0	3.1	171.19	-200.3	31.0	202.7	196.2	6.53	31.063	
200.0	200.0	203.6	203.6	3.2	3.2	171.19	-200.3	31.0	202.7	195.9	6.78	29.918	
300.0	300.0	303.6	303.6	3.3	3.3	171.19	-200.3	31.0	202.7	195.7	7.02	28.865	
400.0	400.0	403.6	403.6	3.4	3.4	171.19	-200.3	31.0	202.7	195.4	7.27	27.892	
500.0	500.0	503.6	503.6	3.5	3.6	171.19	-200.3	31.0	202.7	195.2	7.51	26.989	
600.0	600.0	603.6	603.6	3.7	3.7	171.19	-200.3	31.0	202.7	194.9	7.75	26.148	
700.0	700.0	703.6	703.6	3.8	3.8	171.19	-200.3	31.0	202.7	194.7	7.99	25.363	
800.0	800.0	803.6	803.6	3.9	3.9	171.19	-200.3	31.0	202.7	194.5	8.23	24.627	
900.0	900.0	903.6	903.6	4.0	4.0	171.19	-200.3	31.0	202.7	194.2	8.47	23.936	
1,000.0	1,000.0	1,003.6	1,003.6	4.2	4.2	171.19	-200.3	31.0	202.7	194.0	8.70	23.286	
1,100.0	1,100.0	1,103.6	1,103.6	4.3	4.3	171.19	-200.3	31.0	202.7	193.8	8.94	22.672	
1,200.0	1,200.0	1,203.6	1,203.6	4.4	4.4	171.19	-200.3	31.0	202.7	193.5	9.18	22.093	
1,300.0	1,300.0	1,303.6	1,303.6	4.5	4.5	171.19	-200.3	31.0	202.7	193.3	9.41	21.544	
1,400.0	1,400.0	1,403.6	1,403.6	4.6	4.6	171.19	-200.3	31.0	202.7	193.1	9.64	21.023	
1,500.0	1,500.0	1,503.7	1,503.7	4.8	4.8	171.19	-200.3	31.0	202.7	192.8	9.87	20.529	
1,600.0	1,600.0	1,605.6	1,605.6	4.9	4.9	111.16	-199.6	32.3	202.7	192.6	10.08	20.108	
1,700.0	1,699.9	1,707.6	1,707.5	5.0	5.0	111.11	-197.5	35.9	202.6	192.2	10.39	19.499	
1,800.0	1,799.7	1,809.5	1,809.2	5.2	5.2	111.05	-194.0	41.9	202.5	191.8	10.70	18.925	
1,900.0	1,899.3	1,911.5	1,910.7	5.4	5.5	110.98	-189.2	50.2	202.4	191.4	11.01	18.378	
2,000.0	1,998.6	2,013.4	2,011.9	5.7	5.7	110.90	-183.1	60.9	202.3	191.0	11.32	17.875	
2,026.0	2,024.4	2,039.7	2,037.9	5.7	5.7	110.87	-181.3	64.0	202.3	190.9	11.35	17.818 CC	
2,033.3	2,031.6	2,046.8	2,044.9	5.7	5.8	110.86	-180.8	64.9	202.3	190.9	11.36	17.799 ES	
2,100.0	2,097.5	2,112.1	2,109.4	5.9	5.9	106.20	-176.4	73.8	202.4	190.9	11.52	17.580	
2,200.0	2,196.0	2,209.9	2,205.7	6.2	6.2	101.09	-170.3	89.8	202.9	191.1	11.84	17.140	
2,257.8	2,252.6	2,266.5	2,261.2	6.4	6.4	98.85	-167.0	100.6	203.3	191.3	11.99	16.963	
2,300.0	2,293.9	2,307.7	2,301.5	6.5	6.6	98.76	-164.7	109.1	203.8	191.7	12.08	16.862	
2,400.0	2,391.7	2,406.1	2,397.1	6.8	6.9	97.95	-159.6	131.7	205.5	193.2	12.35	16.647	
2,500.0	2,489.5	2,506.0	2,494.1	7.1	7.2	96.94	-154.6	155.3	207.6	194.9	12.67	16.390	
2,600.0	2,587.4	2,606.0	2,591.0	7.5	7.6	95.94	-149.6	178.9	209.7	196.7	12.98	16.153	
2,700.0	2,685.2	2,705.9	2,688.0	7.9	8.0	94.97	-144.6	202.6	211.9	198.6	13.31	15.925	
2,800.0	2,783.0	2,805.8	2,784.9	8.2	8.3	94.02	-139.5	226.2	214.2	200.5	13.64	15.705	
2,900.0	2,880.8	2,905.7	2,881.9	8.6	8.7	93.08	-134.5	249.9	216.5	202.5	13.98	15.492	
3,000.0	2,978.6	3,005.6	2,978.8	9.0	9.1	92.17	-129.5	273.5	218.9	204.6	14.32	15.285	
3,100.0	3,076.4	3,105.5	3,075.8	9.4	9.6	91.28	-124.5	297.2	221.3	206.6	14.67	15.084	
3,200.0	3,174.2	3,205.4	3,172.7	9.9	10.0	90.40	-119.4	320.8	223.8	208.8	15.03	14.888	
3,300.0	3,272.1	3,305.3	3,269.6	10.3	10.4	89.55	-114.4	344.4	226.3	210.9	15.40	14.696	
3,400.0	3,369.9	3,405.3	3,366.6	10.7	10.8	88.71	-109.4	368.1	228.9	213.1	15.78	14.508	
3,500.0	3,467.7	3,505.2	3,463.5	11.1	11.3	87.89	-104.4	391.7	231.5	215.4	16.16	14.324	
3,600.0	3,565.5	3,605.1	3,560.5	11.6	11.7	87.10	-99.3	415.4	234.2	217.6	16.56	14.143	
3,700.0	3,663.3	3,705.0	3,657.4	12.0	12.2	86.32	-94.3	439.0	236.9	220.0	16.97	13.965	
3,800.0	3,761.1	3,804.9	3,754.4	12.4	12.6	85.55	-89.3	462.7	239.7	222.3	17.38	13.790	
3,900.0	3,859.0	3,904.8	3,851.3	12.9	13.1	84.81	-84.3	486.3	242.5	224.7	17.81	13.617	
4,000.0	3,956.8	4,004.7	3,948.2	13.3	13.5	84.08	-79.2	509.9	245.3	227.1	18.24	13.447	
4,100.0	4,054.6	4,104.6	4,045.2	13.8	14.0	83.37	-74.2	533.6	248.2	229.5	18.69	13.279	
4,200.0	4,152.4	4,204.5	4,142.1	14.2	14.4	82.68	-69.2	557.2	251.1	232.0	19.15	13.114	
4,300.0	4,250.2	4,304.5	4,239.1	14.7	14.9	82.00	-64.2	580.9	254.1	234.5	19.62	12.951	
4,400.0	4,348.0	4,404.4	4,336.0	15.1	15.4	81.33	-59.1	604.5	257.1	237.0	20.10	12.791	
4,500.0	4,445.8	4,504.3	4,433.0	15.6	15.8	80.69	-54.1	628.2	260.1	239.5	20.59	12.634	
4,600.0	4,543.7	4,604.2	4,529.9	16.0	16.3	80.05	-49.1	651.8	263.2	242.1	21.09	12.479	
4,700.0	4,641.5	4,704.1	4,626.9	16.5	16.8	79.44	-44.1	675.4	266.2	244.6	21.60	12.326	
4,800.0	4,739.3	4,804.0	4,723.8	16.9	17.2	78.83	-39.0	699.1	269.4	247.2	22.12	12.177	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	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	
4,900.0	4,837.1	4,903.9	4,820.7	17.4	17.7	78.24	-34.0	722.7	272.5	249.9	22.65	12.030	
5,000.0	4,934.9	5,003.8	4,917.7	17.8	18.2	77.67	-29.0	746.4	275.7	252.5	23.19	11.886	
5,100.0	5,032.7	5,103.7	5,014.6	18.3	18.6	77.10	-24.0	770.0	278.9	255.1	23.75	11.745	
5,200.0	5,130.5	5,203.7	5,111.6	18.8	19.1	76.55	-18.9	793.7	282.1	257.8	24.31	11.607	
5,300.0	5,228.4	5,303.6	5,208.5	19.2	19.6	76.01	-13.9	817.3	285.4	260.5	24.88	11.472	
5,400.0	5,326.2	5,403.5	5,305.5	19.7	20.1	75.49	-8.9	840.9	288.7	263.2	25.45	11.340	
5,500.0	5,424.0	5,503.4	5,402.4	20.1	20.5	74.97	-3.9	864.6	292.0	265.9	26.04	11.211	
5,600.0	5,521.8	5,603.3	5,499.3	20.6	21.0	74.47	1.2	888.2	295.3	268.6	26.64	11.085	
5,700.0	5,619.6	5,703.2	5,596.3	21.1	21.5	73.98	6.2	911.9	298.6	271.4	27.24	10.961	
5,800.0	5,717.4	5,803.1	5,693.2	21.5	22.0	73.50	11.2	935.5	302.0	274.1	27.86	10.841	
5,900.0	5,815.2	5,903.0	5,790.2	22.0	22.5	73.03	16.2	959.1	305.4	276.9	28.48	10.724	
5,925.3	5,840.0	5,928.3	5,814.7	22.1	22.6	72.91	17.5	965.1	306.3	277.6	28.63	10.699	
6,000.0	5,913.3	6,002.9	5,887.1	22.4	22.9	72.45	21.3	982.8	309.1	280.0	29.12	10.614	
6,100.0	6,011.9	6,102.6	5,983.8	22.9	23.4	71.35	26.3	1,006.4	313.9	284.0	29.93	10.487	
6,200.0	6,111.0	6,201.9	6,080.2	23.3	23.9	69.72	31.3	1,029.9	320.0	289.1	30.91	10.353	
6,300.0	6,210.5	6,300.8	6,176.1	23.8	24.4	67.63	36.2	1,053.3	327.8	295.7	32.08	10.218	
6,400.0	6,310.4	6,399.1	6,271.5	24.1	24.8	65.16	41.2	1,076.5	337.5	304.0	33.44	10.091	
6,500.0	6,410.3	6,496.7	6,366.2	24.4	25.3	62.40	46.1	1,099.6	349.4	314.5	34.98	9.989	
6,525.3	6,435.6	6,521.3	6,390.1	24.5	25.4	133.66	47.3	1,105.5	352.9	317.5	35.38	9.975	
6,600.0	6,510.3	6,595.1	6,461.7	24.5	25.8	131.32	51.0	1,122.9	363.5	327.0	36.54	9.951	
6,700.0	6,610.3	6,701.3	6,565.4	24.5	26.3	128.47	55.9	1,145.5	377.2	339.2	38.00	9.927	
6,800.0	6,710.3	6,809.2	6,671.4	24.6	26.8	126.24	59.9	1,164.7	389.1	349.9	39.21	9.925	
6,900.0	6,810.3	6,918.3	6,779.4	24.6	27.3	124.55	63.2	1,180.0	399.0	358.8	40.17	9.931	
7,000.0	6,910.3	7,028.6	6,889.1	24.6	27.8	123.35	65.6	1,191.5	406.4	365.5	40.90	9.936	
7,100.0	7,010.3	7,139.6	6,999.8	24.7	28.2	122.60	67.2	1,198.8	411.1	369.8	41.38	9.935	
7,200.0	7,110.3	7,251.0	7,111.1	24.7	28.5	122.29	67.9	1,202.0	413.2	371.6	41.58	9.938	
7,300.0	7,210.3	7,353.8	7,213.9	24.7	28.5	122.28	67.9	1,202.1	413.3	371.7	41.63	9.927	
7,400.0	7,310.3	7,453.8	7,313.9	24.8	28.6	122.28	67.9	1,202.1	413.3	371.6	41.72	9.906	
7,500.0	7,410.3	7,553.8	7,413.9	24.8	28.6	122.28	67.9	1,202.1	413.3	371.5	41.80	9.887	
7,600.0	7,510.3	7,653.8	7,513.9	24.8	28.6	122.28	67.9	1,202.1	413.3	371.4	41.89	9.867	
7,700.0	7,610.3	7,753.8	7,613.9	24.9	28.7	122.28	67.9	1,202.1	413.3	371.3	41.97	9.847	
7,800.0	7,710.3	7,853.8	7,713.9	24.9	28.7	122.28	67.9	1,202.1	413.3	371.2	42.06	9.827	
7,900.0	7,810.3	7,953.8	7,813.9	25.0	28.7	122.28	67.9	1,202.1	413.3	371.1	42.14	9.807	
8,000.0	7,910.3	8,053.8	7,913.9	25.0	28.7	122.28	67.9	1,202.1	413.3	371.1	42.23	9.787	
8,100.0	8,010.3	8,153.8	8,013.9	25.0	28.8	122.28	67.9	1,202.1	413.3	371.0	42.31	9.767	
8,200.0	8,110.3	8,253.8	8,113.9	25.1	28.8	122.28	67.9	1,202.1	413.3	370.9	42.40	9.747	
8,300.0	8,210.3	8,353.8	8,213.9	25.1	28.8	122.28	67.9	1,202.1	413.3	370.8	42.49	9.727	
8,400.0	8,310.3	8,453.8	8,313.9	25.1	28.9	122.28	67.9	1,202.1	413.3	370.7	42.57	9.707	
8,500.0	8,410.3	8,553.8	8,413.9	25.2	28.9	122.28	67.9	1,202.1	413.3	370.6	42.66	9.687	
8,600.0	8,510.3	8,653.8	8,513.9	25.2	28.9	122.28	67.9	1,202.1	413.3	370.5	42.75	9.667	
8,700.0	8,610.3	8,753.8	8,613.9	25.3	29.0	122.28	67.9	1,202.1	413.3	370.4	42.84	9.647	
8,800.0	8,710.3	8,853.8	8,713.9	25.3	29.0	122.28	67.9	1,202.1	413.3	370.4	42.93	9.627	
8,900.0	8,810.3	8,953.8	8,813.9	25.3	29.0	122.28	67.9	1,202.1	413.3	370.3	43.02	9.607	
9,000.0	8,910.3	9,053.8	8,913.9	25.4	29.1	122.28	67.9	1,202.1	413.3	370.2	43.11	9.587	
9,100.0	9,010.3	9,153.8	9,013.9	25.4	29.1	122.28	67.9	1,202.1	413.3	370.1	43.20	9.567	
9,200.0	9,110.3	9,253.8	9,113.9	25.5	29.1	122.28	67.9	1,202.1	413.3	370.0	43.29	9.547	
9,300.0	9,210.3	9,353.8	9,213.9	25.5	29.2	122.28	67.9	1,202.1	413.3	369.9	43.38	9.527	
9,400.0	9,310.3	9,453.8	9,313.9	25.5	29.2	122.28	67.9	1,202.1	413.3	369.8	43.47	9.507	
9,500.0	9,410.3	9,553.8	9,413.9	25.6	29.2	122.28	67.9	1,202.1	413.3	369.7	43.57	9.487	
9,600.0	9,510.3	9,653.8	9,513.9	25.6	29.3	122.28	67.9	1,202.1	413.3	369.6	43.66	9.466	
9,700.0	9,610.3	9,753.8	9,613.9	25.7	29.3	122.28	67.9	1,202.1	413.3	369.5	43.75	9.446	
9,800.0	9,710.3	9,853.8	9,713.9	25.7	29.3	122.28	67.9	1,202.1	413.3	369.4	43.84	9.426	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		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	9,810.3	9,953.8	9,813.9	25.7	29.4	122.28	67.9	1,202.1	413.3	369.3	43.94	9.406	
10,000.0	9,910.3	10,053.8	9,913.9	25.8	29.4	122.28	67.9	1,202.1	413.3	369.3	44.03	9.386	
10,100.0	10,010.3	10,153.8	10,013.9	25.8	29.4	122.28	67.9	1,202.1	413.3	369.2	44.13	9.366	
10,200.0	10,110.3	10,253.8	10,113.9	25.9	29.5	122.28	67.9	1,202.1	413.3	369.1	44.22	9.346	
10,300.0	10,210.3	10,353.8	10,213.9	25.9	29.5	122.28	67.9	1,202.1	413.3	369.0	44.32	9.326	
10,400.0	10,310.3	10,453.8	10,313.9	25.9	29.5	122.28	67.9	1,202.1	413.3	368.9	44.41	9.306	
10,500.0	10,410.3	10,553.8	10,413.9	26.0	29.6	122.28	67.9	1,202.1	413.3	368.8	44.51	9.286	
10,600.0	10,510.3	10,653.8	10,513.9	26.0	29.6	122.28	67.9	1,202.1	413.3	368.7	44.61	9.265	
10,700.0	10,610.3	10,753.8	10,613.9	26.1	29.6	122.28	67.9	1,202.1	413.3	368.6	44.70	9.245	
10,800.0	10,710.3	10,853.8	10,713.9	26.1	29.7	122.28	67.9	1,202.1	413.3	368.5	44.80	9.225	
10,900.0	10,810.3	10,953.8	10,813.9	26.2	29.7	122.28	67.9	1,202.1	413.3	368.4	44.90	9.205	
11,000.0	10,910.3	11,053.8	10,913.9	26.2	29.7	122.28	67.9	1,202.1	413.3	368.3	44.99	9.185	
11,100.0	11,010.3	11,153.8	11,013.9	26.2	29.8	122.28	67.9	1,202.1	413.3	368.2	45.09	9.165	
11,200.0	11,110.3	11,253.8	11,113.9	26.3	29.8	122.28	67.9	1,202.1	413.3	368.1	45.19	9.146	
11,300.0	11,210.3	11,353.8	11,213.9	26.3	29.8	122.61	65.0	1,202.1	415.5	370.0	45.47	9.137 SF	
11,395.7	11,306.0	11,400.0	11,259.1	26.4	29.8	123.86	54.1	1,202.2	423.9	378.4	45.50	9.318	
11,400.0	11,310.3	11,400.0	11,259.1	26.4	29.8	123.98	54.1	1,202.2	424.5	378.9	45.61	9.307	
11,450.0	11,360.2	11,434.5	11,292.5	26.4	29.8	124.38	45.5	1,202.2	433.2	387.7	45.46	9.528	
11,500.0	11,409.7	11,465.2	11,321.8	26.4	29.8	124.73	36.3	1,202.3	446.3	401.1	45.18	9.878	
11,550.0	11,458.5	11,500.0	11,354.3	26.4	29.9	125.33	23.8	1,202.4	464.1	419.5	44.60	10.405	
11,600.0	11,506.0	11,516.9	11,369.8	26.4	29.9	124.54	17.1	1,202.4	486.3	441.9	44.39	10.955	
11,650.0	11,552.1	11,537.3	11,388.3	26.4	29.9	123.64	8.4	1,202.5	513.0	469.0	43.99	11.663	
11,700.0	11,596.2	11,550.0	11,399.6	26.5	29.9	121.52	2.6	1,202.5	543.8	500.1	43.72	12.438	
11,750.0	11,638.2	11,567.6	11,415.1	26.5	29.9	119.27	-5.8	1,202.6	578.3	535.0	43.28	13.360	
11,800.0	11,677.6	11,577.9	11,424.0	26.5	29.9	115.43	-10.9	1,202.6	615.8	572.8	43.00	14.321	
11,850.0	11,714.2	11,585.1	11,430.2	26.5	29.9	110.21	-14.6	1,202.6	655.9	613.2	42.76	15.340	
11,900.0	11,747.7	11,600.0	11,442.8	26.5	29.9	104.99	-22.4	1,202.7	698.1	655.8	42.33	16.493	
11,950.0	11,777.8	11,600.0	11,442.8	26.6	29.9	96.35	-22.4	1,202.7	741.6	699.4	42.19	17.576	
12,000.0	11,804.4	11,600.0	11,442.8	26.6	29.9	86.66	-22.4	1,202.7	786.0	744.0	42.02	18.705	
12,050.0	11,827.1	11,600.0	11,442.8	26.6	29.9	76.50	-22.4	1,202.7	831.0	789.2	41.82	19.870	
12,100.0	11,845.9	11,600.0	11,442.8	26.7	29.9	66.61	-22.4	1,202.7	876.1	834.5	41.60	21.061	
12,150.0	11,860.6	11,581.9	11,427.4	26.7	29.9	55.64	-12.9	1,202.6	920.5	878.9	41.62	22.120	
12,200.0	11,871.0	11,575.7	11,422.1	26.7	29.9	47.75	-9.8	1,202.6	964.6	923.2	41.42	23.286	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.8	2.8	3.0	3.0	163.06	-200.5	61.1	209.6				
100.0	100.0	102.8	102.8	3.0	3.0	163.06	-200.5	61.1	209.6	203.1	6.52	32.126	
200.0	200.0	202.8	202.8	3.2	3.2	163.06	-200.5	61.1	209.6	202.8	6.77	30.945	
300.0	300.0	302.8	302.8	3.3	3.3	163.06	-200.5	61.1	209.6	202.6	7.02	29.860	
400.0	400.0	402.8	402.8	3.4	3.4	163.06	-200.5	61.1	209.6	202.3	7.26	28.859	
500.0	500.0	502.8	502.8	3.5	3.6	163.06	-200.5	61.1	209.6	202.1	7.50	27.930	
600.0	600.0	602.8	602.8	3.7	3.7	163.06	-200.5	61.1	209.6	201.9	7.74	27.066	
700.0	700.0	702.8	702.8	3.8	3.8	163.06	-200.5	61.1	209.6	201.6	7.98	26.260	
800.0	800.0	802.8	802.8	3.9	3.9	163.06	-200.5	61.1	209.6	201.4	8.22	25.505	
900.0	900.0	902.8	902.8	4.0	4.0	163.06	-200.5	61.1	209.6	201.2	8.45	24.797	
1,000.0	1,000.0	1,002.8	1,002.8	4.2	4.2	163.06	-200.5	61.1	209.6	200.9	8.69	24.130	
1,100.0	1,100.0	1,102.8	1,102.8	4.3	4.3	163.06	-200.5	61.1	209.6	200.7	8.92	23.501	
1,200.0	1,200.0	1,202.8	1,202.8	4.4	4.4	163.06	-200.5	61.1	209.6	200.5	9.15	22.907	
1,300.0	1,300.0	1,302.8	1,302.8	4.5	4.5	163.06	-200.5	61.1	209.6	200.2	9.38	22.345	
1,400.0	1,400.0	1,402.8	1,402.8	4.6	4.6	163.06	-200.5	61.1	209.6	200.0	9.61	21.812	
1,465.7	1,465.7	1,468.5	1,468.5	4.7	4.7	163.06	-200.5	61.1	209.6	199.9	9.76	21.477 CC	
1,500.0	1,500.0	1,502.7	1,502.7	4.8	4.8	163.06	-200.5	61.1	209.6	199.8	9.84	21.306 ES	
1,600.0	1,600.0	1,601.6	1,601.6	4.9	4.9	102.91	-200.3	62.9	210.2	200.2	10.03	20.958	
1,700.0	1,699.9	1,700.0	1,699.8	5.0	5.0	102.51	-199.5	68.0	211.9	201.6	10.33	20.520	
1,800.0	1,799.7	1,799.1	1,798.6	5.2	5.2	101.89	-198.3	76.5	214.8	204.1	10.62	20.221	
1,900.0	1,899.3	1,897.6	1,896.4	5.4	5.5	101.05	-196.7	88.4	218.8	207.9	10.91	20.051	
2,000.0	1,998.6	1,995.9	1,993.5	5.7	5.9	100.03	-194.6	103.5	224.0	212.8	11.20	19.994	
2,033.3	2,031.6	2,028.6	2,025.7	5.7	6.0	99.65	-193.7	109.3	226.0	214.8	11.27	20.055	
2,100.0	2,097.5	2,094.0	2,089.8	5.9	6.2	94.29	-192.0	121.9	230.1	218.6	11.44	20.121	
2,200.0	2,196.0	2,191.9	2,185.2	6.2	6.6	88.11	-188.9	143.4	235.6	223.9	11.74	20.064	
2,257.8	2,252.6	2,248.4	2,240.0	6.4	6.7	85.25	-187.0	157.4	238.5	226.7	11.85	20.122	
2,300.0	2,293.9	2,290.5	2,280.6	6.5	6.8	84.80	-185.5	168.1	240.6	228.7	11.93	20.165	
2,400.0	2,391.7	2,390.3	2,377.0	6.8	7.2	83.77	-181.9	193.7	245.6	233.3	12.27	20.005	
2,500.0	2,489.5	2,490.1	2,473.4	7.1	7.5	82.78	-178.3	219.3	250.6	238.0	12.64	19.823	
2,600.0	2,587.4	2,589.9	2,569.7	7.5	7.9	81.83	-174.7	244.9	255.7	242.7	13.03	19.630	
2,700.0	2,685.2	2,689.6	2,666.1	7.9	8.3	80.92	-171.1	270.4	260.9	247.5	13.43	19.428	
2,800.0	2,783.0	2,789.4	2,762.5	8.2	8.6	80.04	-167.5	296.0	266.1	252.3	13.85	19.218	
2,900.0	2,880.8	2,889.2	2,858.9	8.6	9.0	79.20	-163.9	321.6	271.4	257.1	14.28	19.003	
3,000.0	2,978.6	2,989.0	2,955.3	9.0	9.5	78.39	-160.3	347.2	276.8	262.0	14.73	18.784	
3,100.0	3,076.4	3,088.8	3,051.6	9.4	9.9	77.61	-156.7	372.7	282.2	267.0	15.20	18.562	
3,200.0	3,174.2	3,188.5	3,148.0	9.9	10.3	76.86	-153.1	398.3	287.6	272.0	15.68	18.339	
3,300.0	3,272.1	3,288.3	3,244.4	10.3	10.7	76.13	-149.5	423.9	293.1	277.0	16.18	18.115	
3,400.0	3,369.9	3,388.1	3,340.8	10.7	11.2	75.44	-145.9	449.5	298.7	282.0	16.69	17.892	
3,500.0	3,467.7	3,487.9	3,437.2	11.1	11.6	74.77	-142.3	475.0	304.3	287.1	17.22	17.670	
3,600.0	3,565.5	3,587.7	3,533.5	11.6	12.1	74.12	-138.7	500.6	309.9	292.2	17.76	17.451	
3,700.0	3,663.3	3,687.4	3,629.9	12.0	12.5	73.50	-135.1	526.2	315.6	297.3	18.31	17.235	
3,800.0	3,761.1	3,787.2	3,726.3	12.4	13.0	72.90	-131.6	551.7	321.3	302.4	18.88	17.023	
3,900.0	3,859.0	3,887.0	3,822.7	12.9	13.4	72.32	-128.0	577.3	327.0	307.6	19.45	16.814	
4,000.0	3,956.8	3,986.8	3,919.1	13.3	13.9	71.76	-124.4	602.9	332.8	312.8	20.04	16.611	
4,100.0	4,054.6	4,086.6	4,015.5	13.8	14.3	71.22	-120.8	628.5	338.6	318.0	20.63	16.412	
4,200.0	4,152.4	4,186.4	4,111.8	14.2	14.8	70.69	-117.2	654.0	344.5	323.2	21.24	16.217	
4,300.0	4,250.2	4,286.1	4,208.2	14.7	15.3	70.19	-113.6	679.6	350.3	328.5	21.86	16.029	
4,400.0	4,348.0	4,385.9	4,304.6	15.1	15.7	69.70	-110.0	705.2	356.2	333.7	22.48	15.845	
4,500.0	4,445.8	4,485.7	4,401.0	15.6	16.2	69.23	-106.4	730.8	362.1	339.0	23.11	15.666	
4,600.0	4,543.7	4,585.5	4,497.4	16.0	16.7	68.77	-102.8	756.3	368.1	344.3	23.76	15.493	
4,700.0	4,641.5	4,685.3	4,593.7	16.5	17.2	68.33	-99.2	781.9	374.0	349.6	24.41	15.325	
4,800.0	4,739.3	4,785.0	4,690.1	16.9	17.6	67.90	-95.6	807.5	380.0	354.9	25.06	15.162	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	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	
4,900.0	4,837.1	4,884.8	4,786.5	17.4	18.1	67.48	-92.0	833.1	386.0	360.3	25.72	15.005	
5,000.0	4,934.9	4,984.6	4,882.9	17.8	18.6	67.08	-88.4	858.6	392.0	365.6	26.39	14.852	
5,100.0	5,032.7	5,084.4	4,979.3	18.3	19.1	66.69	-84.8	884.2	398.1	371.0	27.07	14.704	
5,200.0	5,130.5	5,184.2	5,075.6	18.8	19.5	66.31	-81.2	909.8	404.1	376.4	27.75	14.561	
5,300.0	5,228.4	5,283.9	5,172.0	19.2	20.0	65.94	-77.6	935.4	410.2	381.7	28.44	14.423	
5,400.0	5,326.2	5,383.7	5,268.4	19.7	20.5	65.58	-74.0	960.9	416.3	387.1	29.13	14.289	
5,500.0	5,424.0	5,483.5	5,364.8	20.1	21.0	65.24	-70.5	986.5	422.4	392.6	29.83	14.159	
5,600.0	5,521.8	5,583.3	5,461.2	20.6	21.5	64.90	-66.9	1,012.1	428.5	398.0	30.53	14.033	
5,700.0	5,619.6	5,683.1	5,557.6	21.1	21.9	64.57	-63.3	1,037.7	434.6	403.4	31.24	13.912	
5,800.0	5,717.4	5,782.9	5,653.9	21.5	22.4	64.25	-59.7	1,063.2	440.8	408.8	31.95	13.795	
5,900.0	5,815.2	5,882.6	5,750.3	22.0	22.9	63.94	-56.1	1,088.8	447.0	414.3	32.67	13.681	
5,925.3	5,840.0	5,907.9	5,774.7	22.1	23.0	63.87	-55.2	1,095.3	448.5	415.7	32.84	13.656	
6,000.0	5,913.3	5,982.4	5,846.6	22.4	23.4	63.62	-52.5	1,114.4	453.6	420.2	33.40	13.579	
6,100.0	6,011.9	6,081.8	5,942.7	22.9	23.9	63.00	-48.9	1,139.9	461.7	427.5	34.26	13.476	
6,200.0	6,111.0	6,180.9	6,038.4	23.3	24.4	62.05	-45.3	1,165.3	471.6	436.4	35.24	13.384	
6,300.0	6,210.5	6,279.5	6,133.7	23.8	24.8	60.83	-41.8	1,190.5	483.3	447.0	36.31	13.309	
6,400.0	6,310.4	6,377.5	6,228.3	24.1	25.3	59.38	-38.3	1,215.6	497.1	459.6	37.49	13.258	
6,500.0	6,410.3	6,474.7	6,322.2	24.4	25.8	57.73	-34.7	1,240.5	513.1	474.4	38.75	13.242 SF	
6,525.3	6,435.6	6,499.2	6,345.8	24.5	25.9	129.29	-33.9	1,246.8	517.6	478.5	39.06	13.251	
6,600.0	6,510.3	6,571.3	6,415.5	24.5	26.3	127.78	-31.3	1,265.3	531.1	491.2	39.96	13.293	
6,700.0	6,610.3	6,667.9	6,508.8	24.5	26.7	125.88	-27.8	1,290.1	549.8	508.7	41.13	13.367	
6,800.0	6,710.3	6,764.5	6,602.1	24.6	27.2	124.10	-24.3	1,314.8	569.0	526.8	42.27	13.462	
6,900.0	6,810.3	6,861.1	6,695.4	24.6	27.7	122.43	-20.8	1,339.6	588.8	545.4	43.37	13.576	
7,000.0	6,910.3	6,957.7	6,788.7	24.6	28.2	120.88	-17.4	1,364.3	609.0	564.6	44.44	13.705	
7,100.0	7,010.3	7,054.3	6,882.0	24.7	28.6	119.42	-13.9	1,389.1	629.6	584.1	45.46	13.848	
7,200.0	7,110.3	7,158.0	6,982.4	24.7	29.1	117.98	-10.2	1,415.2	650.2	603.7	46.50	13.984	
7,300.0	7,210.3	7,265.3	7,086.7	24.7	29.7	116.68	-6.7	1,440.4	669.7	622.2	47.48	14.105	
7,400.0	7,310.3	7,373.6	7,192.3	24.8	30.2	115.54	-3.4	1,463.8	688.0	639.6	48.39	14.217	
7,500.0	7,410.3	7,482.8	7,299.3	24.8	30.7	114.54	-0.3	1,485.4	704.8	655.6	49.23	14.316	
7,600.0	7,510.3	7,592.8	7,407.5	24.8	31.2	113.68	2.4	1,505.1	720.2	670.2	50.01	14.401	
7,700.0	7,610.3	7,703.5	7,516.7	24.9	31.7	112.94	4.9	1,522.9	734.1	683.4	50.73	14.472	
7,800.0	7,710.3	7,814.9	7,627.0	24.9	32.2	112.31	7.1	1,538.7	746.5	695.1	51.38	14.528	
7,900.0	7,810.3	7,926.9	7,738.1	25.0	32.6	111.78	9.1	1,552.4	757.2	705.2	51.97	14.568	
8,000.0	7,910.3	8,039.4	7,850.0	25.0	33.1	111.34	10.7	1,564.0	766.3	713.8	52.51	14.593	
8,100.0	8,010.3	8,152.3	7,962.5	25.0	33.5	110.99	12.0	1,573.4	773.7	720.7	52.98	14.604	
8,200.0	8,110.3	8,265.5	8,075.5	25.1	33.9	110.73	13.1	1,580.7	779.3	726.0	53.38	14.600	
8,300.0	8,210.3	8,379.0	8,188.8	25.1	34.3	110.55	13.8	1,585.8	783.3	729.6	53.71	14.584	
8,400.0	8,310.3	8,492.7	8,302.4	25.1	34.6	110.45	14.2	1,588.6	785.5	731.6	53.95	14.560	
8,500.0	8,410.3	8,603.3	8,413.1	25.2	34.8	110.43	14.3	1,589.3	786.1	732.1	54.00	14.558	
8,600.0	8,510.3	8,703.3	8,513.1	25.2	34.8	110.43	14.3	1,589.3	786.1	732.0	54.07	14.539	
8,700.0	8,610.3	8,803.3	8,613.1	25.3	34.8	110.43	14.3	1,589.3	786.1	731.9	54.13	14.521	
8,800.0	8,710.3	8,903.3	8,713.1	25.3	34.8	110.43	14.3	1,589.3	786.1	731.9	54.20	14.504	
8,900.0	8,810.3	9,003.3	8,813.1	25.3	34.9	110.43	14.3	1,589.3	786.1	731.8	54.26	14.486	
9,000.0	8,910.3	9,103.3	8,913.1	25.4	34.9	110.43	14.3	1,589.3	786.1	731.7	54.33	14.468	
9,100.0	9,010.3	9,203.3	9,013.1	25.4	34.9	110.43	14.3	1,589.3	786.1	731.7	54.40	14.451	
9,200.0	9,110.3	9,303.3	9,113.1	25.5	34.9	110.43	14.3	1,589.3	786.1	731.6	54.46	14.433	
9,300.0	9,210.3	9,403.3	9,213.1	25.5	35.0	110.43	14.3	1,589.3	786.1	731.5	54.53	14.415	
9,400.0	9,310.3	9,503.3	9,313.1	25.5	35.0	110.43	14.3	1,589.3	786.1	731.5	54.60	14.397	
9,500.0	9,410.3	9,603.3	9,413.1	25.6	35.0	110.43	14.3	1,589.3	786.1	731.4	54.67	14.379	
9,600.0	9,510.3	9,703.3	9,513.1	25.6	35.0	110.43	14.3	1,589.3	786.1	731.3	54.74	14.361	
9,700.0	9,610.3	9,803.3	9,613.1	25.7	35.1	110.43	14.3	1,589.3	786.1	731.3	54.81	14.343	
9,800.0	9,710.3	9,903.3	9,713.1	25.7	35.1	110.43	14.3	1,589.3	786.1	731.2	54.88	14.325	

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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance			Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)			
9,900.0	9,810.3	10,003.3	9,813.1	25.7	35.1	110.43	14.3	1,589.3	786.1	731.1	54.94	14.306		
10,000.0	9,910.3	10,103.3	9,913.1	25.8	35.1	110.43	14.3	1,589.3	786.1	731.1	55.02	14.288		
10,100.0	10,010.3	10,203.3	10,013.1	25.8	35.2	110.43	14.3	1,589.3	786.1	731.0	55.09	14.270		
10,200.0	10,110.3	10,303.3	10,113.1	25.9	35.2	110.43	14.3	1,589.3	786.1	730.9	55.16	14.251		
10,300.0	10,210.3	10,403.3	10,213.1	25.9	35.2	110.43	14.3	1,589.3	786.1	730.8	55.23	14.233		
10,400.0	10,310.3	10,503.3	10,313.1	25.9	35.2	110.43	14.3	1,589.3	786.1	730.8	55.30	14.215		
10,500.0	10,410.3	10,603.3	10,413.1	26.0	35.3	110.43	14.3	1,589.3	786.1	730.7	55.37	14.196		
10,600.0	10,510.3	10,703.3	10,513.1	26.0	35.3	110.43	14.3	1,589.3	786.1	730.6	55.44	14.177		
10,700.0	10,610.3	10,803.3	10,613.1	26.1	35.3	110.43	14.3	1,589.3	786.1	730.5	55.52	14.159		
10,800.0	10,710.3	10,903.3	10,713.1	26.1	35.3	110.43	14.3	1,589.3	786.1	730.5	55.59	14.140		
10,900.0	10,810.3	11,003.3	10,813.1	26.2	35.4	110.43	14.3	1,589.3	786.1	730.4	55.66	14.121		
11,000.0	10,910.3	11,103.3	10,913.1	26.2	35.4	110.43	14.3	1,589.3	786.1	730.3	55.74	14.103		
11,100.0	11,010.3	11,203.3	11,013.1	26.2	35.4	110.43	14.3	1,589.3	786.1	730.3	55.81	14.084		
11,200.0	11,110.3	11,303.3	11,113.1	26.3	35.5	110.43	14.3	1,589.3	786.1	730.2	55.89	14.065		
11,300.0	11,210.3	11,403.3	11,213.1	26.3	35.5	110.43	14.3	1,589.3	786.1	730.1	55.96	14.046		
11,395.7	11,306.0	11,499.1	11,308.8	26.4	35.5	110.43	14.3	1,589.3	786.1	730.0	56.03	14.029		
11,400.0	11,310.3	11,499.3	11,309.0	26.4	35.5	110.58	14.3	1,589.3	786.1	730.0	56.08	14.017		
11,450.0	11,360.2	11,533.8	11,343.5	26.4	35.5	110.62	13.2	1,589.4	787.6	731.4	56.20	14.016		
11,500.0	11,409.7	11,564.7	11,374.3	26.4	35.5	110.68	10.5	1,589.5	791.9	735.7	56.20	14.090		
11,550.0	11,458.5	11,600.0	11,409.2	26.4	35.5	110.88	5.5	1,589.9	799.1	743.1	56.00	14.270		
11,600.0	11,506.0	11,620.6	11,429.5	26.4	35.5	110.61	1.5	1,590.1	809.1	753.3	55.84	14.490		
11,650.0	11,552.1	11,650.0	11,458.0	26.4	35.5	110.52	-5.4	1,590.6	822.3	766.9	55.42	14.839		
11,700.0	11,596.2	11,665.4	11,472.9	26.5	35.5	109.63	-9.6	1,590.8	838.6	783.6	55.06	15.230		
11,750.0	11,638.2	11,683.1	11,489.7	26.5	35.5	108.56	-14.9	1,591.1	858.1	803.6	54.56	15.728		
11,800.0	11,677.6	11,700.0	11,505.7	26.5	35.5	107.14	-20.5	1,591.5	880.8	826.8	53.97	16.320		
11,850.0	11,714.2	11,700.0	11,505.7	26.5	35.5	104.27	-20.5	1,591.5	906.4	852.8	53.53	16.931		
11,900.0	11,747.7	11,717.8	11,522.3	26.5	35.5	102.14	-26.8	1,591.9	934.5	881.7	52.79	17.703		
11,950.0	11,777.8	11,723.9	11,528.0	26.6	35.5	98.78	-29.1	1,592.0	965.1	912.9	52.16	18.503		
12,000.0	11,804.4	11,727.7	11,531.4	26.6	35.5	94.79	-30.6	1,592.1	997.6	946.1	51.53	19.362		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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 @ 3196.6usft

Offset Depths are relative to Offset Datum

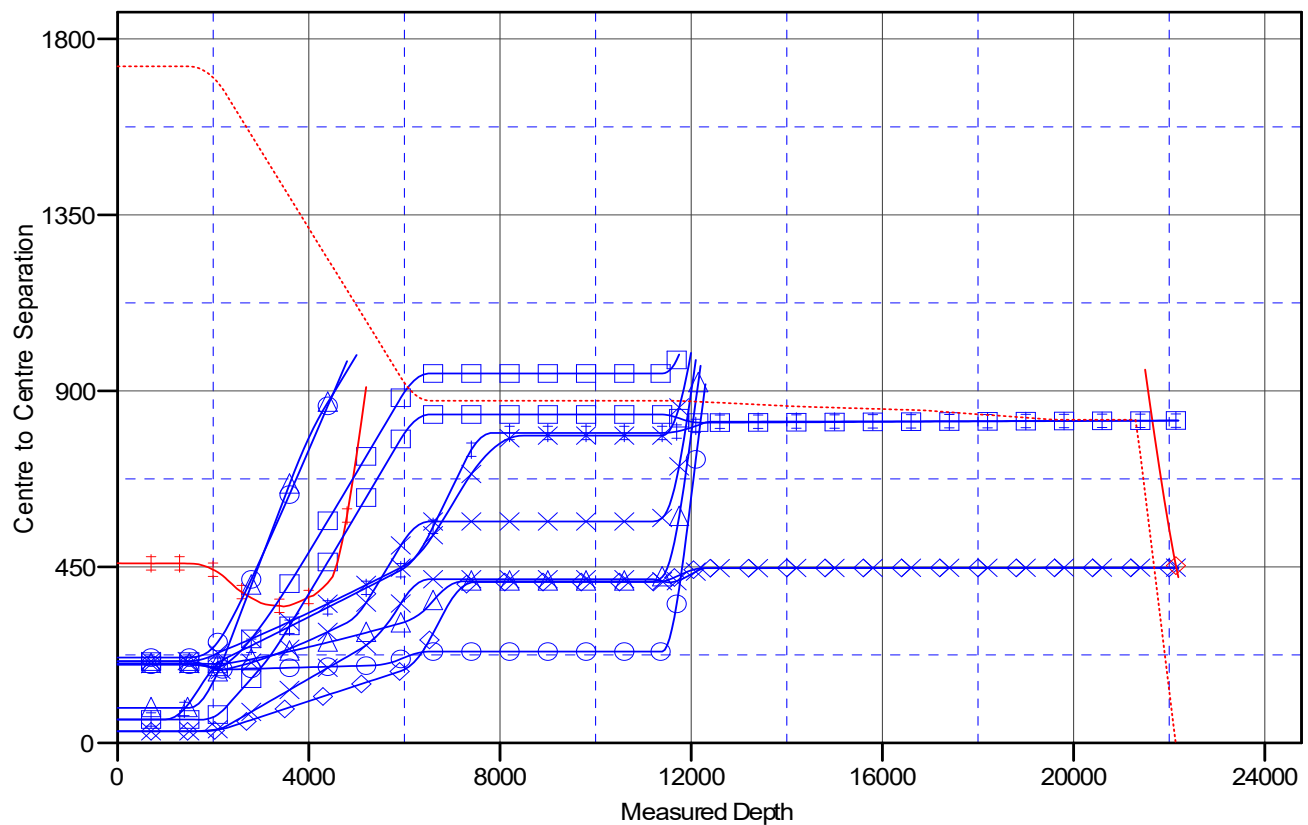
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #712H

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 #763H OWB, PWP1 V0 - CONOCO FEDERAL #2, OWB, AWP V0 - ZIA HILLS UNIT 1932 WC #760H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0	- ZIA HILLS UNIT 1932 WC #713H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #710H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #759H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #764H OWB, PWP1 V0 - PADUCA 7 6 W1HA FEDERAL#1H, OWB, AWP V0	- ZIA HILLS UNIT 1932 WC #761H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #709H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #714H OWB, PWP1 V0
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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 #712H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #712H	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 @ 3196.6usft

Offset Depths are relative to Offset Datum

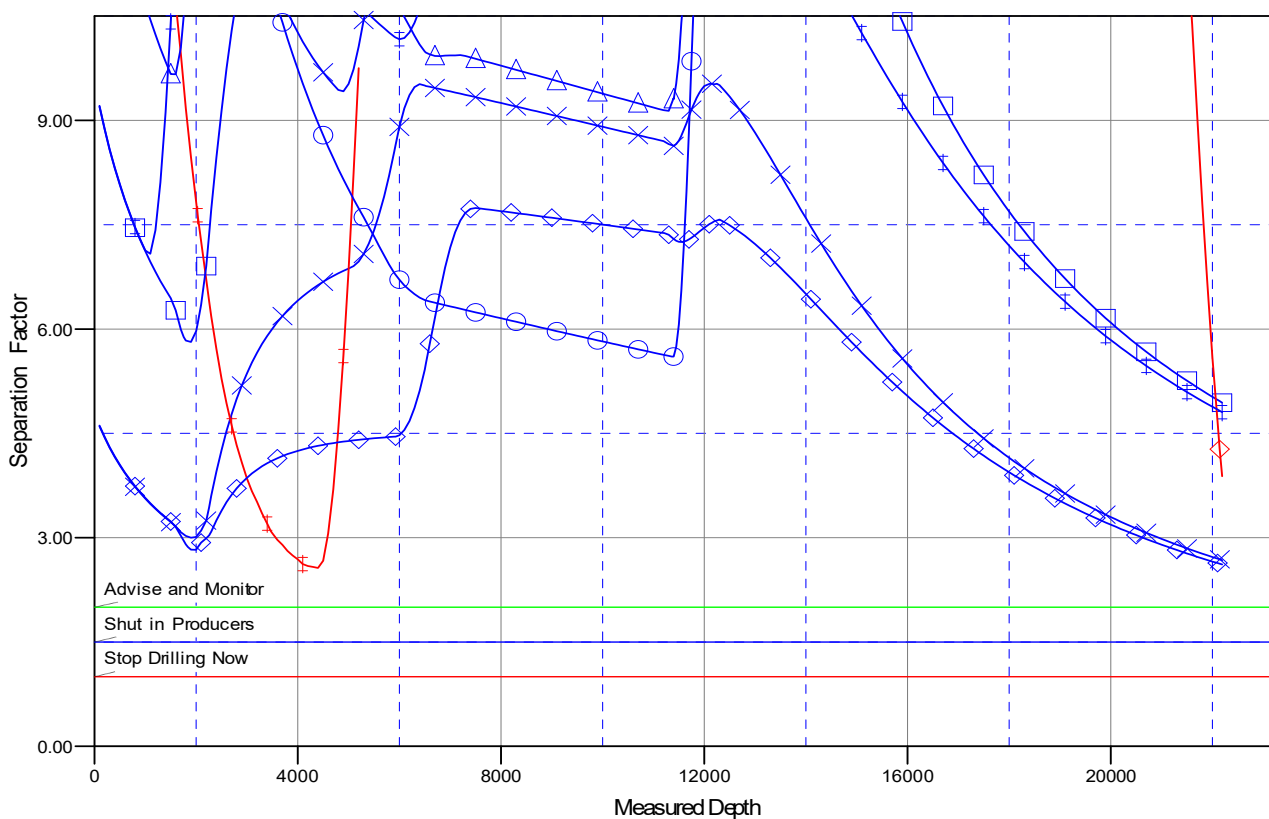
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #712H

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 #713H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #761H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #763H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #710H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #709H OWB, PWP1 V0
CONOCO FEDERAL #2 OWB, AWP V0	ZIA HILLS UNIT 1932 WC #759H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #714H 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 #762H OWB, PWP1 V0	PADUCA 7 6 W 1HA FEDERAL#1H, OWB, AWP 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 #712H

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 #712H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #712H	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 #712H		
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' 39.838 N
		Longitude:	103° 42' 42.981 W
		Ground Level:	3,166.6 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2023	11/1/2023	6.34	59.54	47,256.43044192

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	4.38	

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	11,395.7 PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,395.7	22,192.9 PWP1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-Si		

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #712H	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	
2,257.8	12.00	72.00	2,252.6	33.6	67.9	2.00	1.78	5.35	33.52	
5,925.3	12.00	72.00	5,840.0	269.2	793.1	0.00	0.00	0.00	0.00	
6,525.3	0.00	0.00	6,435.6	288.6	852.7	2.00	-2.00	0.00	180.00	
11,395.7	0.00	0.00	11,306.0	288.6	852.7	0.00	0.00	0.00	0.00	
12,295.7	90.00	359.84	11,879.0	861.5	851.1	10.00	10.00	-0.02	359.84	
22,142.9	90.00	359.84	11,879.0	10,708.7	824.0	0.00	0.00	0.00	0.00	
22,192.9	90.00	359.84	11,879.0	10,758.7	823.9	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 #712H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #712H	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	0.7	1.50	1.50	0.00
1,700.0	3.00	60.00	1,699.9	2.6	4.5	3.0	1.50	1.50	0.00
1,800.0	4.50	60.00	1,799.7	5.9	10.2	6.6	1.50	1.50	0.00
1,900.0	6.00	60.00	1,899.3	10.5	18.1	11.8	1.50	1.50	0.00
2,000.0	7.50	60.00	1,998.6	16.3	28.3	18.5	1.50	1.50	0.00
2,033.3	8.00	60.00	2,031.6	18.6	32.2	21.0	1.50	1.50	0.00
Start DLS 2.00 TFO 33.52									
2,100.0	9.14	64.64	2,097.5	23.2	41.0	26.2	2.00	1.71	6.96
2,200.0	10.93	69.75	2,196.0	29.9	57.1	34.1	2.00	1.79	5.11
2,257.8	12.00	72.00	2,252.6	33.6	67.9	38.7	2.00	1.84	3.90
Start 3667.5 hold at 2257.8 MD									
2,300.0	12.00	72.00	2,293.9	36.3	76.3	42.0	0.00	0.00	0.00
2,400.0	12.00	72.00	2,391.7	42.8	96.0	50.0	0.00	0.00	0.00
2,500.0	12.00	72.00	2,489.5	49.2	115.8	57.9	0.00	0.00	0.00
2,600.0	12.00	72.00	2,587.4	55.6	135.6	65.8	0.00	0.00	0.00
2,700.0	12.00	72.00	2,685.2	62.0	155.4	73.7	0.00	0.00	0.00
2,800.0	12.00	72.00	2,783.0	68.5	175.1	81.6	0.00	0.00	0.00
2,900.0	12.00	72.00	2,880.8	74.9	194.9	89.5	0.00	0.00	0.00
3,000.0	12.00	72.00	2,978.6	81.3	214.7	97.5	0.00	0.00	0.00
3,100.0	12.00	72.00	3,076.4	87.7	234.5	105.4	0.00	0.00	0.00
3,200.0	12.00	72.00	3,174.2	94.1	254.2	113.3	0.00	0.00	0.00
3,300.0	12.00	72.00	3,272.1	100.6	274.0	121.2	0.00	0.00	0.00
3,400.0	12.00	72.00	3,369.9	107.0	293.8	129.1	0.00	0.00	0.00
3,500.0	12.00	72.00	3,467.7	113.4	313.6	137.0	0.00	0.00	0.00
3,600.0	12.00	72.00	3,565.5	119.8	333.3	144.9	0.00	0.00	0.00
3,700.0	12.00	72.00	3,663.3	126.3	353.1	152.9	0.00	0.00	0.00
3,800.0	12.00	72.00	3,761.1	132.7	372.9	160.8	0.00	0.00	0.00
3,900.0	12.00	72.00	3,859.0	139.1	392.7	168.7	0.00	0.00	0.00
4,000.0	12.00	72.00	3,956.8	145.5	412.4	176.6	0.00	0.00	0.00
4,100.0	12.00	72.00	4,054.6	152.0	432.2	184.5	0.00	0.00	0.00
4,200.0	12.00	72.00	4,152.4	158.4	452.0	192.4	0.00	0.00	0.00
4,300.0	12.00	72.00	4,250.2	164.8	471.7	200.4	0.00	0.00	0.00
4,400.0	12.00	72.00	4,348.0	171.2	491.5	208.3	0.00	0.00	0.00
4,500.0	12.00	72.00	4,445.8	177.7	511.3	216.2	0.00	0.00	0.00
4,600.0	12.00	72.00	4,543.7	184.1	531.1	224.1	0.00	0.00	0.00
4,700.0	12.00	72.00	4,641.5	190.5	550.8	232.0	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 #712H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #712H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	12.00	72.00	4,739.3	196.9	570.6	239.9	0.00	0.00	0.00
4,900.0	12.00	72.00	4,837.1	203.4	590.4	247.8	0.00	0.00	0.00
5,000.0	12.00	72.00	4,934.9	209.8	610.2	255.8	0.00	0.00	0.00
5,100.0	12.00	72.00	5,032.7	216.2	629.9	263.7	0.00	0.00	0.00
5,200.0	12.00	72.00	5,130.5	222.6	649.7	271.6	0.00	0.00	0.00
5,300.0	12.00	72.00	5,228.4	229.1	669.5	279.5	0.00	0.00	0.00
5,400.0	12.00	72.00	5,326.2	235.5	689.3	287.4	0.00	0.00	0.00
5,500.0	12.00	72.00	5,424.0	241.9	709.0	295.3	0.00	0.00	0.00
5,600.0	12.00	72.00	5,521.8	248.3	728.8	303.3	0.00	0.00	0.00
5,700.0	12.00	72.00	5,619.6	254.8	748.6	311.2	0.00	0.00	0.00
5,800.0	12.00	72.00	5,717.4	261.2	768.4	319.1	0.00	0.00	0.00
5,900.0	12.00	72.00	5,815.2	267.6	788.1	327.0	0.00	0.00	0.00
5,925.3	12.00	72.00	5,840.0	269.2	793.1	329.0	0.00	0.00	0.00
Start Drop -2.00									
6,000.0	10.51	72.00	5,913.3	273.7	807.0	334.6	2.00	-2.00	0.00
6,100.0	8.51	72.00	6,011.9	278.9	822.7	340.8	2.00	-2.00	0.00
6,200.0	6.51	72.00	6,111.0	282.9	835.1	345.8	2.00	-2.00	0.00
6,300.0	4.51	72.00	6,210.5	285.9	844.2	349.5	2.00	-2.00	0.00
6,400.0	2.51	72.00	6,310.4	287.7	850.1	351.8	2.00	-2.00	0.00
6,500.0	0.51	72.00	6,410.3	288.6	852.6	352.8	2.00	-2.00	0.00
6,525.3	0.00	0.00	6,435.6	288.6	852.7	352.8	2.00	-2.00	0.00
Start 4870.4 hold at 6525.3 MD									
6,600.0	0.00	0.00	6,510.3	288.6	852.7	352.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,610.3	288.6	852.7	352.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,710.3	288.6	852.7	352.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,810.3	288.6	852.7	352.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,910.3	288.6	852.7	352.8	0.00	0.00	0.00
7,100.0	0.00	0.00	7,010.3	288.6	852.7	352.8	0.00	0.00	0.00
7,200.0	0.00	0.00	7,110.3	288.6	852.7	352.8	0.00	0.00	0.00
7,300.0	0.00	0.00	7,210.3	288.6	852.7	352.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,310.3	288.6	852.7	352.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,410.3	288.6	852.7	352.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,510.3	288.6	852.7	352.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,610.3	288.6	852.7	352.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,710.3	288.6	852.7	352.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,810.3	288.6	852.7	352.8	0.00	0.00	0.00
8,000.0	0.00	0.00	7,910.3	288.6	852.7	352.8	0.00	0.00	0.00
8,100.0	0.00	0.00	8,010.3	288.6	852.7	352.8	0.00	0.00	0.00
8,200.0	0.00	0.00	8,110.3	288.6	852.7	352.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,210.3	288.6	852.7	352.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,310.3	288.6	852.7	352.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,410.3	288.6	852.7	352.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,510.3	288.6	852.7	352.8	0.00	0.00	0.00
8,700.0	0.00	0.00	8,610.3	288.6	852.7	352.8	0.00	0.00	0.00
8,800.0	0.00	0.00	8,710.3	288.6	852.7	352.8	0.00	0.00	0.00
8,900.0	0.00	0.00	8,810.3	288.6	852.7	352.8	0.00	0.00	0.00
9,000.0	0.00	0.00	8,910.3	288.6	852.7	352.8	0.00	0.00	0.00
9,100.0	0.00	0.00	9,010.3	288.6	852.7	352.8	0.00	0.00	0.00
9,200.0	0.00	0.00	9,110.3	288.6	852.7	352.8	0.00	0.00	0.00
9,300.0	0.00	0.00	9,210.3	288.6	852.7	352.8	0.00	0.00	0.00
9,400.0	0.00	0.00	9,310.3	288.6	852.7	352.8	0.00	0.00	0.00
9,500.0	0.00	0.00	9,410.3	288.6	852.7	352.8	0.00	0.00	0.00
9,600.0	0.00	0.00	9,510.3	288.6	852.7	352.8	0.00	0.00	0.00
9,700.0	0.00	0.00	9,610.3	288.6	852.7	352.8	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 #712H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #712H	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	9,710.3	288.6	852.7	352.8	0.00	0.00	0.00
9,900.0	0.00	0.00	9,810.3	288.6	852.7	352.8	0.00	0.00	0.00
10,000.0	0.00	0.00	9,910.3	288.6	852.7	352.8	0.00	0.00	0.00
10,100.0	0.00	0.00	10,010.3	288.6	852.7	352.8	0.00	0.00	0.00
10,200.0	0.00	0.00	10,110.3	288.6	852.7	352.8	0.00	0.00	0.00
10,300.0	0.00	0.00	10,210.3	288.6	852.7	352.8	0.00	0.00	0.00
10,400.0	0.00	0.00	10,310.3	288.6	852.7	352.8	0.00	0.00	0.00
10,500.0	0.00	0.00	10,410.3	288.6	852.7	352.8	0.00	0.00	0.00
10,600.0	0.00	0.00	10,510.3	288.6	852.7	352.8	0.00	0.00	0.00
10,700.0	0.00	0.00	10,610.3	288.6	852.7	352.8	0.00	0.00	0.00
10,800.0	0.00	0.00	10,710.3	288.6	852.7	352.8	0.00	0.00	0.00
10,900.0	0.00	0.00	10,810.3	288.6	852.7	352.8	0.00	0.00	0.00
11,000.0	0.00	0.00	10,910.3	288.6	852.7	352.8	0.00	0.00	0.00
11,100.0	0.00	0.00	11,010.3	288.6	852.7	352.8	0.00	0.00	0.00
11,200.0	0.00	0.00	11,110.3	288.6	852.7	352.8	0.00	0.00	0.00
11,300.0	0.00	0.00	11,210.3	288.6	852.7	352.8	0.00	0.00	0.00
11,395.7	0.00	0.00	11,306.0	288.6	852.7	352.8	0.00	0.00	0.00
Start DLS 10.00 TFO 359.84									
11,400.0	0.43	359.84	11,310.3	288.6	852.7	352.9	10.00	10.00	0.00
11,450.0	5.43	359.84	11,360.2	291.2	852.7	355.4	10.00	10.00	0.00
11,500.0	10.43	359.84	11,409.7	298.1	852.6	362.3	10.00	10.00	0.00
11,550.0	15.43	359.84	11,458.5	309.2	852.6	373.4	10.00	10.00	0.00
11,600.0	20.43	359.84	11,506.0	324.6	852.6	388.8	10.00	10.00	0.00
11,650.0	25.43	359.84	11,552.1	344.1	852.5	408.2	10.00	10.00	0.00
11,700.0	30.43	359.84	11,596.2	367.5	852.4	431.5	10.00	10.00	0.00
11,750.0	35.43	359.84	11,638.2	394.7	852.4	458.6	10.00	10.00	0.00
11,800.0	40.43	359.84	11,677.6	425.4	852.3	489.2	10.00	10.00	0.00
11,850.0	45.43	359.84	11,714.2	459.4	852.2	523.2	10.00	10.00	0.00
11,900.0	50.43	359.84	11,747.7	496.5	852.1	560.1	10.00	10.00	0.00
11,950.0	55.43	359.84	11,777.8	536.4	852.0	599.9	10.00	10.00	0.00
12,000.0	60.43	359.84	11,804.4	578.8	851.9	642.1	10.00	10.00	0.00
12,050.0	65.43	359.84	11,827.1	623.3	851.7	686.5	10.00	10.00	0.00
12,100.0	70.43	359.84	11,845.9	669.6	851.6	732.7	10.00	10.00	0.00
12,150.0	75.43	359.84	11,860.6	717.4	851.5	780.3	10.00	10.00	0.00
12,200.0	80.43	359.84	11,871.0	766.3	851.4	829.0	10.00	10.00	0.00
12,250.0	85.43	359.84	11,877.2	815.9	851.2	878.5	10.00	10.00	0.00
12,295.7	90.00	359.84	11,879.0	861.5	851.1	924.0	10.00	10.00	0.00
Start 9847.2 hold at 12295.7 MD									
12,300.0	90.00	359.84	11,879.0	865.8	851.1	928.3	0.00	0.00	0.00
12,400.0	90.00	359.84	11,879.0	965.8	850.8	1,028.0	0.00	0.00	0.00
12,500.0	90.00	359.84	11,879.0	1,065.8	850.5	1,127.6	0.00	0.00	0.00
12,600.0	90.00	359.84	11,879.0	1,165.8	850.3	1,227.3	0.00	0.00	0.00
12,700.0	90.00	359.84	11,879.0	1,265.8	850.0	1,327.0	0.00	0.00	0.00
12,800.0	90.00	359.84	11,879.0	1,365.8	849.7	1,426.7	0.00	0.00	0.00
12,900.0	90.00	359.84	11,879.0	1,465.8	849.4	1,526.4	0.00	0.00	0.00
13,000.0	90.00	359.84	11,879.0	1,565.8	849.2	1,626.1	0.00	0.00	0.00
13,100.0	90.00	359.84	11,879.0	1,665.8	848.9	1,725.8	0.00	0.00	0.00
13,200.0	90.00	359.84	11,879.0	1,765.8	848.6	1,825.4	0.00	0.00	0.00
13,300.0	90.00	359.84	11,879.0	1,865.8	848.3	1,925.1	0.00	0.00	0.00
13,400.0	90.00	359.84	11,879.0	1,965.8	848.1	2,024.8	0.00	0.00	0.00
13,500.0	90.00	359.84	11,879.0	2,065.8	847.8	2,124.5	0.00	0.00	0.00
13,600.0	90.00	359.84	11,879.0	2,165.8	847.5	2,224.2	0.00	0.00	0.00
13,700.0	90.00	359.84	11,879.0	2,265.8	847.2	2,323.9	0.00	0.00	0.00
13,800.0	90.00	359.84	11,879.0	2,365.8	847.0	2,423.6	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 #712H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #712H	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	359.84	11,879.0	2,465.8	846.7	2,523.3	0.00	0.00	0.00
14,000.0	90.00	359.84	11,879.0	2,565.8	846.4	2,622.9	0.00	0.00	0.00
14,100.0	90.00	359.84	11,879.0	2,665.8	846.1	2,722.6	0.00	0.00	0.00
14,200.0	90.00	359.84	11,879.0	2,765.8	845.9	2,822.3	0.00	0.00	0.00
14,300.0	90.00	359.84	11,879.0	2,865.8	845.6	2,922.0	0.00	0.00	0.00
14,400.0	90.00	359.84	11,879.0	2,965.8	845.3	3,021.7	0.00	0.00	0.00
14,500.0	90.00	359.84	11,879.0	3,065.8	845.0	3,121.4	0.00	0.00	0.00
14,600.0	90.00	359.84	11,879.0	3,165.8	844.8	3,221.1	0.00	0.00	0.00
14,700.0	90.00	359.84	11,879.0	3,265.8	844.5	3,320.8	0.00	0.00	0.00
14,800.0	90.00	359.84	11,879.0	3,365.8	844.2	3,420.4	0.00	0.00	0.00
14,900.0	90.00	359.84	11,879.0	3,465.8	843.9	3,520.1	0.00	0.00	0.00
15,000.0	90.00	359.84	11,879.0	3,565.8	843.7	3,619.8	0.00	0.00	0.00
15,100.0	90.00	359.84	11,879.0	3,665.8	843.4	3,719.5	0.00	0.00	0.00
15,200.0	90.00	359.84	11,879.0	3,765.8	843.1	3,819.2	0.00	0.00	0.00
15,300.0	90.00	359.84	11,879.0	3,865.8	842.8	3,918.9	0.00	0.00	0.00
15,400.0	90.00	359.84	11,879.0	3,965.8	842.6	4,018.6	0.00	0.00	0.00
15,500.0	90.00	359.84	11,879.0	4,065.8	842.3	4,118.2	0.00	0.00	0.00
15,600.0	90.00	359.84	11,879.0	4,165.8	842.0	4,217.9	0.00	0.00	0.00
15,700.0	90.00	359.84	11,879.0	4,265.8	841.7	4,317.6	0.00	0.00	0.00
15,800.0	90.00	359.84	11,879.0	4,365.8	841.5	4,417.3	0.00	0.00	0.00
15,900.0	90.00	359.84	11,879.0	4,465.8	841.2	4,517.0	0.00	0.00	0.00
16,000.0	90.00	359.84	11,879.0	4,565.8	840.9	4,616.7	0.00	0.00	0.00
16,100.0	90.00	359.84	11,879.0	4,665.8	840.6	4,716.4	0.00	0.00	0.00
16,200.0	90.00	359.84	11,879.0	4,765.8	840.4	4,816.1	0.00	0.00	0.00
16,300.0	90.00	359.84	11,879.0	4,865.8	840.1	4,915.7	0.00	0.00	0.00
16,400.0	90.00	359.84	11,879.0	4,965.8	839.8	5,015.4	0.00	0.00	0.00
16,500.0	90.00	359.84	11,879.0	5,065.8	839.5	5,115.1	0.00	0.00	0.00
16,600.0	90.00	359.84	11,879.0	5,165.8	839.3	5,214.8	0.00	0.00	0.00
16,700.0	90.00	359.84	11,879.0	5,265.8	839.0	5,314.5	0.00	0.00	0.00
16,800.0	90.00	359.84	11,879.0	5,365.8	838.7	5,414.2	0.00	0.00	0.00
16,900.0	90.00	359.84	11,879.0	5,465.8	838.4	5,513.9	0.00	0.00	0.00
17,000.0	90.00	359.84	11,879.0	5,565.8	838.2	5,613.5	0.00	0.00	0.00
17,100.0	90.00	359.84	11,879.0	5,665.8	837.9	5,713.2	0.00	0.00	0.00
17,200.0	90.00	359.84	11,879.0	5,765.8	837.6	5,812.9	0.00	0.00	0.00
17,300.0	90.00	359.84	11,879.0	5,865.8	837.3	5,912.6	0.00	0.00	0.00
17,400.0	90.00	359.84	11,879.0	5,965.8	837.1	6,012.3	0.00	0.00	0.00
17,500.0	90.00	359.84	11,879.0	6,065.8	836.8	6,112.0	0.00	0.00	0.00
17,600.0	90.00	359.84	11,879.0	6,165.8	836.5	6,211.7	0.00	0.00	0.00
17,700.0	90.00	359.84	11,879.0	6,265.8	836.2	6,311.4	0.00	0.00	0.00
17,800.0	90.00	359.84	11,879.0	6,365.8	836.0	6,411.0	0.00	0.00	0.00
17,900.0	90.00	359.84	11,879.0	6,465.8	835.7	6,510.7	0.00	0.00	0.00
18,000.0	90.00	359.84	11,879.0	6,565.8	835.4	6,610.4	0.00	0.00	0.00
18,100.0	90.00	359.84	11,879.0	6,665.8	835.1	6,710.1	0.00	0.00	0.00
18,200.0	90.00	359.84	11,879.0	6,765.8	834.9	6,809.8	0.00	0.00	0.00
18,300.0	90.00	359.84	11,879.0	6,865.8	834.6	6,909.5	0.00	0.00	0.00
18,400.0	90.00	359.84	11,879.0	6,965.8	834.3	7,009.2	0.00	0.00	0.00
18,500.0	90.00	359.84	11,879.0	7,065.8	834.0	7,108.8	0.00	0.00	0.00
18,600.0	90.00	359.84	11,879.0	7,165.8	833.8	7,208.5	0.00	0.00	0.00
18,700.0	90.00	359.84	11,879.0	7,265.8	833.5	7,308.2	0.00	0.00	0.00
18,800.0	90.00	359.84	11,879.0	7,365.8	833.2	7,407.9	0.00	0.00	0.00
18,900.0	90.00	359.84	11,879.0	7,465.8	832.9	7,507.6	0.00	0.00	0.00
19,000.0	90.00	359.84	11,879.0	7,565.8	832.7	7,607.3	0.00	0.00	0.00
19,100.0	90.00	359.84	11,879.0	7,665.8	832.4	7,707.0	0.00	0.00	0.00
19,200.0	90.00	359.84	11,879.0	7,765.8	832.1	7,806.7	0.00	0.00	0.00

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Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #712H	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	359.84	11,879.0	7,865.8	831.8	7,906.3	0.00	0.00	0.00	
19,400.0	90.00	359.84	11,879.0	7,965.8	831.6	8,006.0	0.00	0.00	0.00	
19,500.0	90.00	359.84	11,879.0	8,065.8	831.3	8,105.7	0.00	0.00	0.00	
19,600.0	90.00	359.84	11,879.0	8,165.8	831.0	8,205.4	0.00	0.00	0.00	
19,700.0	90.00	359.84	11,879.0	8,265.8	830.7	8,305.1	0.00	0.00	0.00	
19,800.0	90.00	359.84	11,879.0	8,365.8	830.5	8,404.8	0.00	0.00	0.00	
19,900.0	90.00	359.84	11,879.0	8,465.8	830.2	8,504.5	0.00	0.00	0.00	
20,000.0	90.00	359.84	11,879.0	8,565.8	829.9	8,604.2	0.00	0.00	0.00	
20,100.0	90.00	359.84	11,879.0	8,665.8	829.6	8,703.8	0.00	0.00	0.00	
20,200.0	90.00	359.84	11,879.0	8,765.8	829.4	8,803.5	0.00	0.00	0.00	
20,300.0	90.00	359.84	11,879.0	8,865.8	829.1	8,903.2	0.00	0.00	0.00	
20,400.0	90.00	359.84	11,879.0	8,965.8	828.8	9,002.9	0.00	0.00	0.00	
20,500.0	90.00	359.84	11,879.0	9,065.8	828.5	9,102.6	0.00	0.00	0.00	
20,600.0	90.00	359.84	11,879.0	9,165.8	828.3	9,202.3	0.00	0.00	0.00	
20,700.0	90.00	359.84	11,879.0	9,265.8	828.0	9,302.0	0.00	0.00	0.00	
20,800.0	90.00	359.84	11,879.0	9,365.8	827.7	9,401.6	0.00	0.00	0.00	
20,900.0	90.00	359.84	11,879.0	9,465.8	827.4	9,501.3	0.00	0.00	0.00	
21,000.0	90.00	359.84	11,879.0	9,565.8	827.2	9,601.0	0.00	0.00	0.00	
21,100.0	90.00	359.84	11,879.0	9,665.8	826.9	9,700.7	0.00	0.00	0.00	
21,200.0	90.00	359.84	11,879.0	9,765.8	826.6	9,800.4	0.00	0.00	0.00	
21,300.0	90.00	359.84	11,879.0	9,865.8	826.3	9,900.1	0.00	0.00	0.00	
21,400.0	90.00	359.84	11,879.0	9,965.8	826.1	9,999.8	0.00	0.00	0.00	
21,500.0	90.00	359.84	11,879.0	10,065.8	825.8	10,099.5	0.00	0.00	0.00	
21,600.0	90.00	359.84	11,879.0	10,165.8	825.5	10,199.1	0.00	0.00	0.00	
21,700.0	90.00	359.84	11,879.0	10,265.8	825.2	10,298.8	0.00	0.00	0.00	
21,800.0	90.00	359.84	11,879.0	10,365.8	825.0	10,398.5	0.00	0.00	0.00	
21,900.0	90.00	359.84	11,879.0	10,465.8	824.7	10,498.2	0.00	0.00	0.00	
22,000.0	90.00	359.84	11,879.0	10,565.8	824.4	10,597.9	0.00	0.00	0.00	
22,100.0	90.00	359.84	11,879.0	10,665.8	824.1	10,697.6	0.00	0.00	0.00	
22,142.9	90.00	359.84	11,879.0	10,708.7	824.0	10,740.4	0.00	0.00	0.00	
Start 50.0 hold at 22142.9 MD										
22,192.9	90.00	359.84	11,879.0	10,758.7	823.9	10,790.2	0.00	0.00	0.00	
TD at 22192.9										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
FTP (ZHU 1932 WC #71	0.00	0.00	11,879.0	80.0	852.6	374,449.21	693,425.17	32° 1' 40.581 N		103° 42' 33.072 W
- plan misses target center by 396.2usft at 11750.0usft MD (11638.2 TVD, 394.7 N, 852.4 E)										
- Circle (radius 50.0)										
PBHL (ZHU 1932 WC #71	0.00	179.84	11,879.0	10,758.7	823.7	385,127.91	693,396.29	32° 3' 26.260 N		103° 42' 32.690 W
- plan misses target center by 0.1usft at 22192.9usft MD (11879.0 TVD, 10758.7 N, 823.9 E)										
- Rectangle (sides W100.0 H10,679.3 D20.0)										
LTP (ZHU 1932 WC #71	0.00	0.00	11,879.0	10,708.7	824.0	385,077.91	693,396.57	32° 3' 25.765 N		103° 42' 32.690 W
- plan hits target center										
- Point										

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #712H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #712H	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 33.52
2,257.8	2,252.6	33.6	67.9	Start 3667.5 hold at 2257.8 MD
5,925.3	5,840.0	269.2	793.1	Start Drop -2.00
6,525.3	6,435.6	288.6	852.7	Start 4870.4 hold at 6525.3 MD
11,395.7	11,306.0	288.6	852.7	Start DLS 10.00 TFO 359.84
12,295.7	11,879.0	861.5	851.1	Start 9847.2 hold at 12295.7 MD
22,142.9	11,879.0	10,708.7	824.0	Start 50.0 hold at 22142.9 MD
22,192.9	11,879.0	10,758.7	823.9	TD at 22192.9

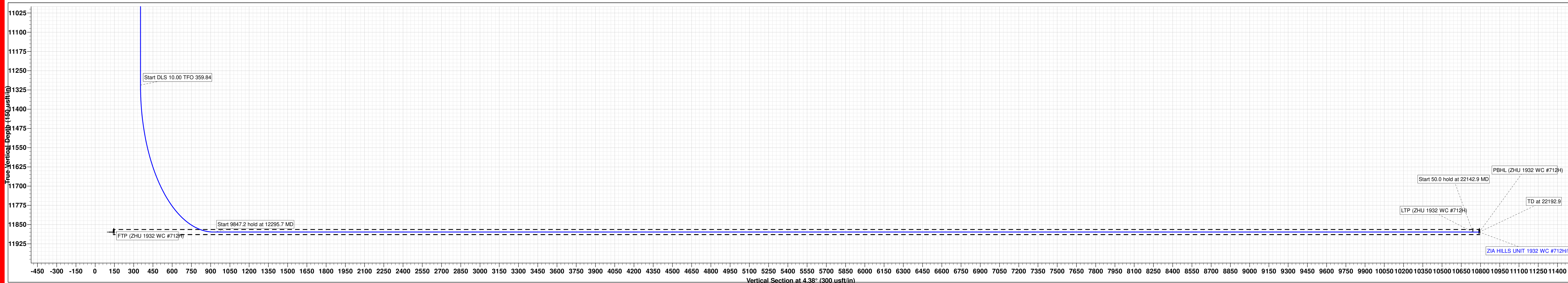
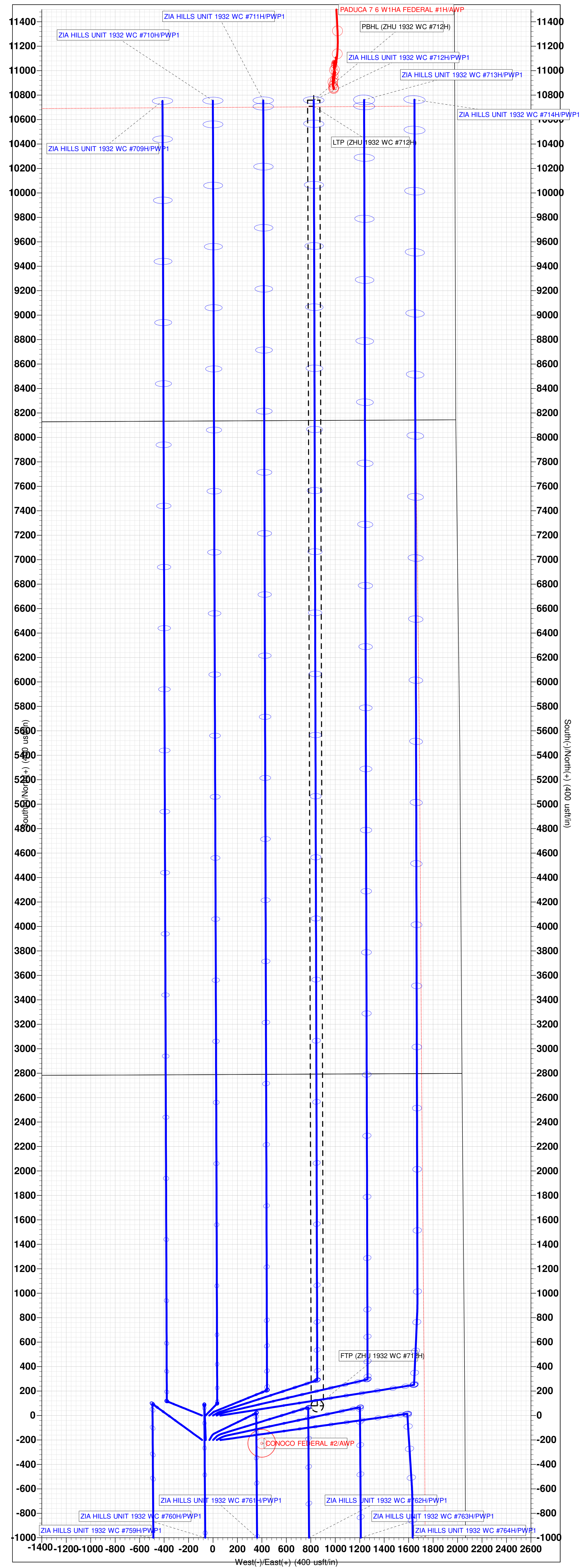
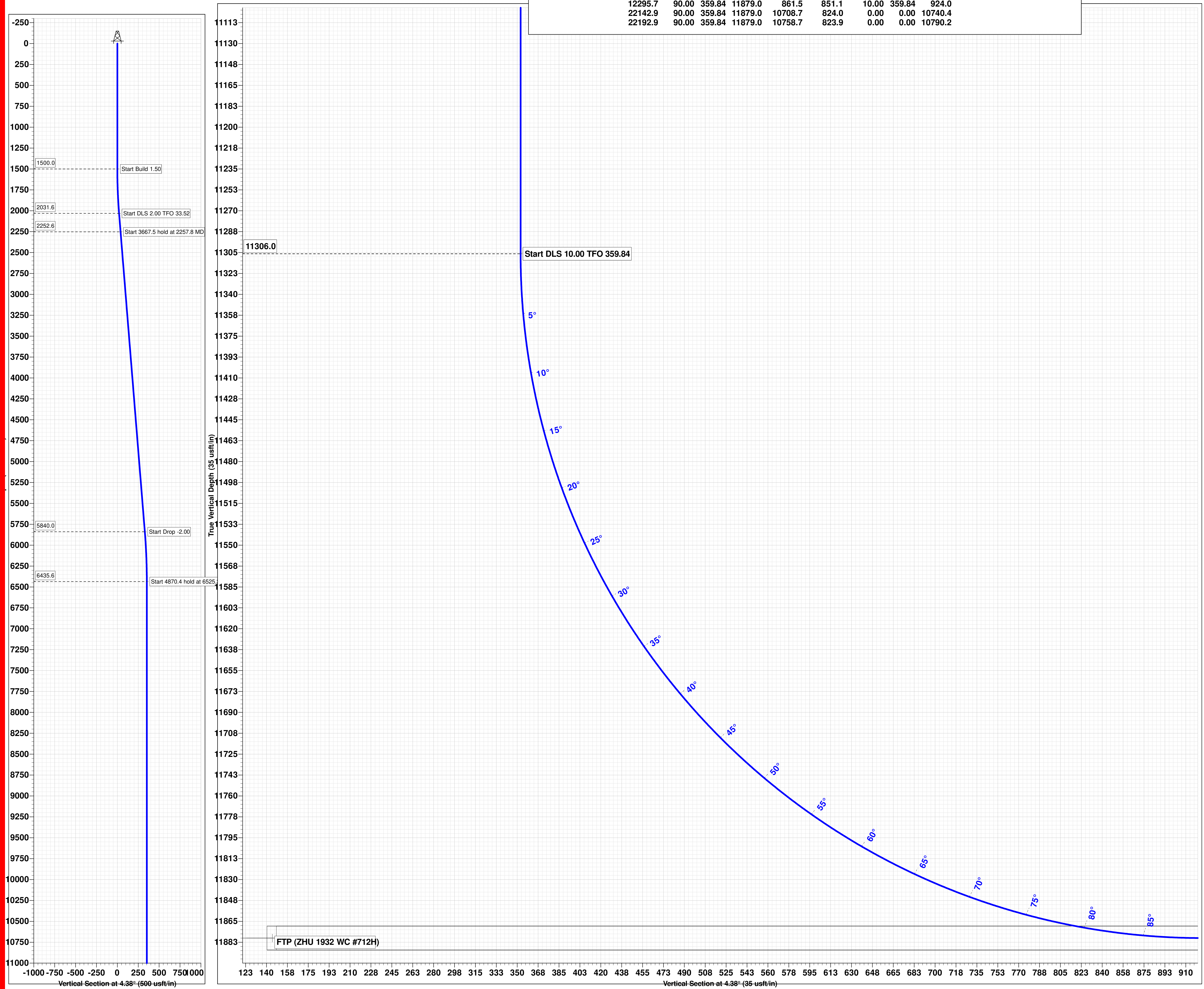


Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS UNIT 1932 PROJECT
Well: ZIA HILLS UNIT 1932 WC #712H
Wellbore: OWB
Design: PWP1
GL: 3166.6
RKB=30ft @ 3196.6usft

WELL DETAILS: ZIA HILLS UNIT 1932 WC #712H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	374369.18	692572.54	32° 1' 39.838 N	103° 42' 42.981 W

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (ZHU 1932 WC #712H)	11879.0	80.0	852.6	374449.21	693425.17
LTP (ZHU 1932 WC #712H)	11879.0	10708.7	824.0	385077.91	693396.57
PBHL (ZHU 1932 WC #712H)	11879.0	10758.7	823.7	385127.91	693396.29

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	21.0	
2257.8	12.00	72.00	2252.6	33.6	67.9	2.00	33.52	38.7	
5925.3	0.00	0.00	5840.0	269.2	793.1	0.00	0.00	329.0	
6525.3	0.00	0.00	6435.6	288.6	852.7	2.00	180.00	352.8	
11395.7	0.00	0.00	11306.0	288.6	852.7	0.00	0.00	352.8	
12295.7	90.00	359.84	11879.0	861.5	851.1	10.00	359.84	924.0	
22142.9	90.00	359.84	11879.0	10708.7	824.0	0.00	0.00	10740.4	
22192.9	90.00	359.84	11879.0	10758.7	823.9	0.00	0.00	10790.2	



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	COG OPERATING LLC
WELL NAME & NO.:	ZIA HILLS UNIT 1932 WC 712H
SURFACE HOLE FOOTAGE:	2535'/S & 2060'/E
BOTTOM HOLE FOOTAGE:	2620'/S & 1154'/E
LOCATION:	Section 19, T.26 S., R.32 E.
COUNTY:	Lea County, New Mexico

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

Primary Casing Design:

1. The 10-3/4 inch surface casing shall be set at approximately 1350 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The 7-5/8 inch intermediate casing shall be set at approximately **11,296 feet**. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:

Option 1 (Single Stage):

- Cement to surface. If cement does not circulate see B.1.a, c-d above.
 - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
3. The 5-1/2 inch production casing shall be set at approximately **22,193 feet**. The minimum required fill of cement behind the 5-1/2 inch production casing is:

Option 1 (Single Stage):

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **10-3/4 inch** surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi**. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (70% Working Pressure) psi.**

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

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

Casing Clearance:

- Overlap clearance OK for production interval

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

GENERAL REQUIREMENTS

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

- a. Spudding well (minimum of 24 hours)
 - b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
 - c. BOPE tests (minimum of 4 hours)
- If well located in Eddy County
EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

- If well located in Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981
1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.
- A. CASING
1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke

manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be

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

- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and

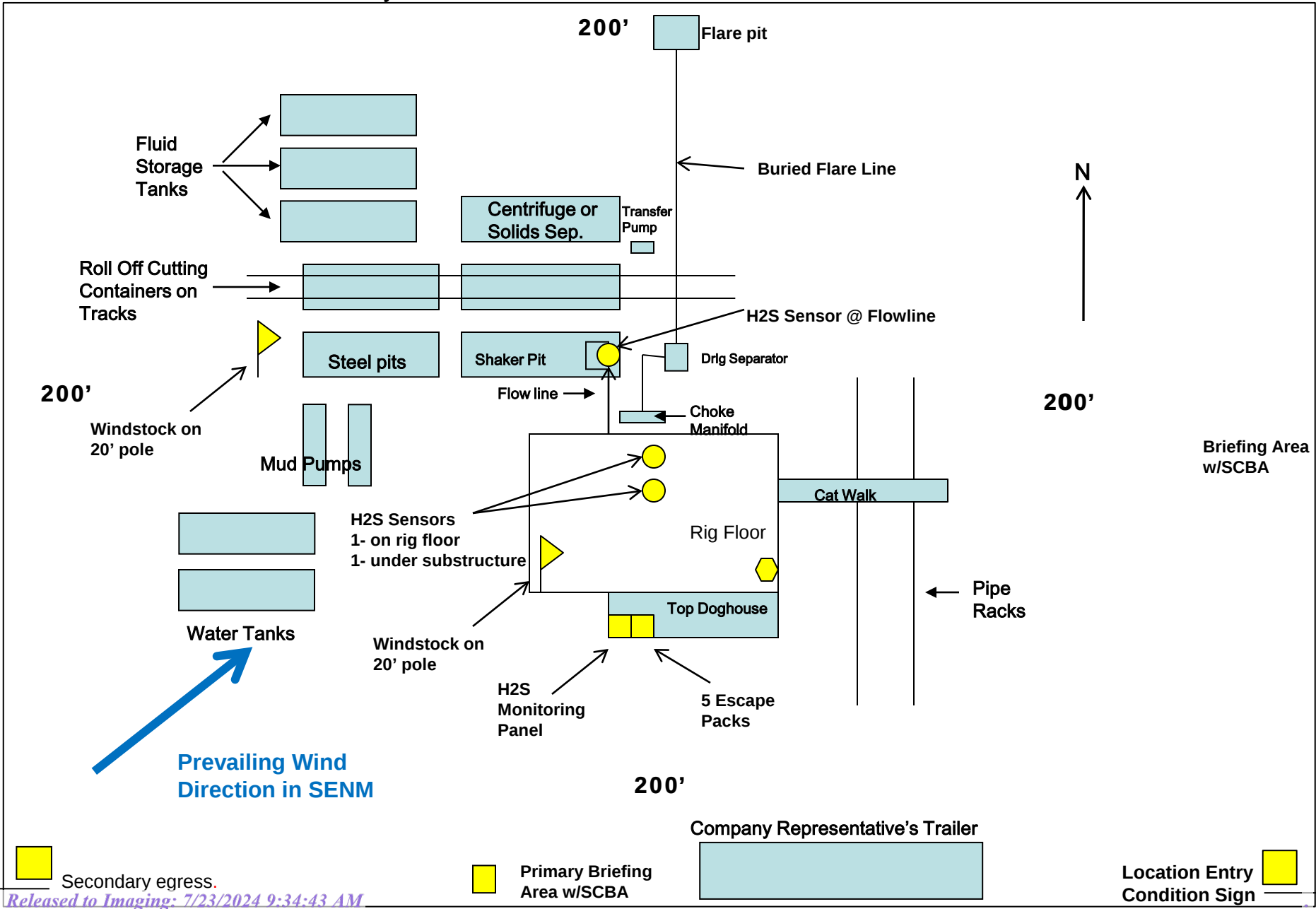
disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

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

KPI 7/10/2024

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

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



COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

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

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

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

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

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

2. H₂S SAFETY EQUIPMENT AND SYSTEMS

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

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

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

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

W A R N I N G

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

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

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
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

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 364355

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 364355
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	7/23/2024
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	7/23/2024
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	7/23/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	7/23/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	7/23/2024