

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

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
		8. Lease Name and Well No. [334841]
2. Name of Operator [217817]		9. API Well No. 30-025-52477
3a. Address	3b. Phone No. (include area code)	10. Field and Pool, or Exploratory [98081]
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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

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

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

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

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

NGMP Rec 01/23/2024

SL

(Continued on page 2)

KZ
01/29/2024

*(Instructions on page 2)

Additional Operator Remarks

Location of Well

0. SHL: NWSE / 2335 FSL / 2150 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0273106 / LONG: -103.7127011 (TVD: 0 feet, MD: 0 feet)

PPP: NWSE / 2620 FSL / 2554 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0281069 / LONG: -103.7140043 (TVD: 11537 feet, MD: 11611 feet)

PPP: NWNE / 1 FNL / 2554 FEL / TWSP: 26S / RANGE: 32E / SECTION: 30 / LAT: 32.0209079 / LONG: -103.7143629 (TVD: 11705 feet, MD: 14232 feet)

BHL: LOT 4 / 50 FSL / 2554 FEL / TWSP: 26S / RANGE: 32E / SECTION: 31 / LAT: 32.0034902 / LONG: -103.713978 (TVD: 11705 feet, MD: 21581 feet)

BLM Point of Contact

Name: JANET D ESTES

Title: ADJUDICATOR

Phone: (575) 234-6233

Email: JESTES@BLM.GOV

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazon Road, Artec, NM 87410
District IV
1220 S. St Francis Dr., NM 87505
Phone: (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 30-025-52477	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 759H
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 3,170'

¹⁰ Surface Location

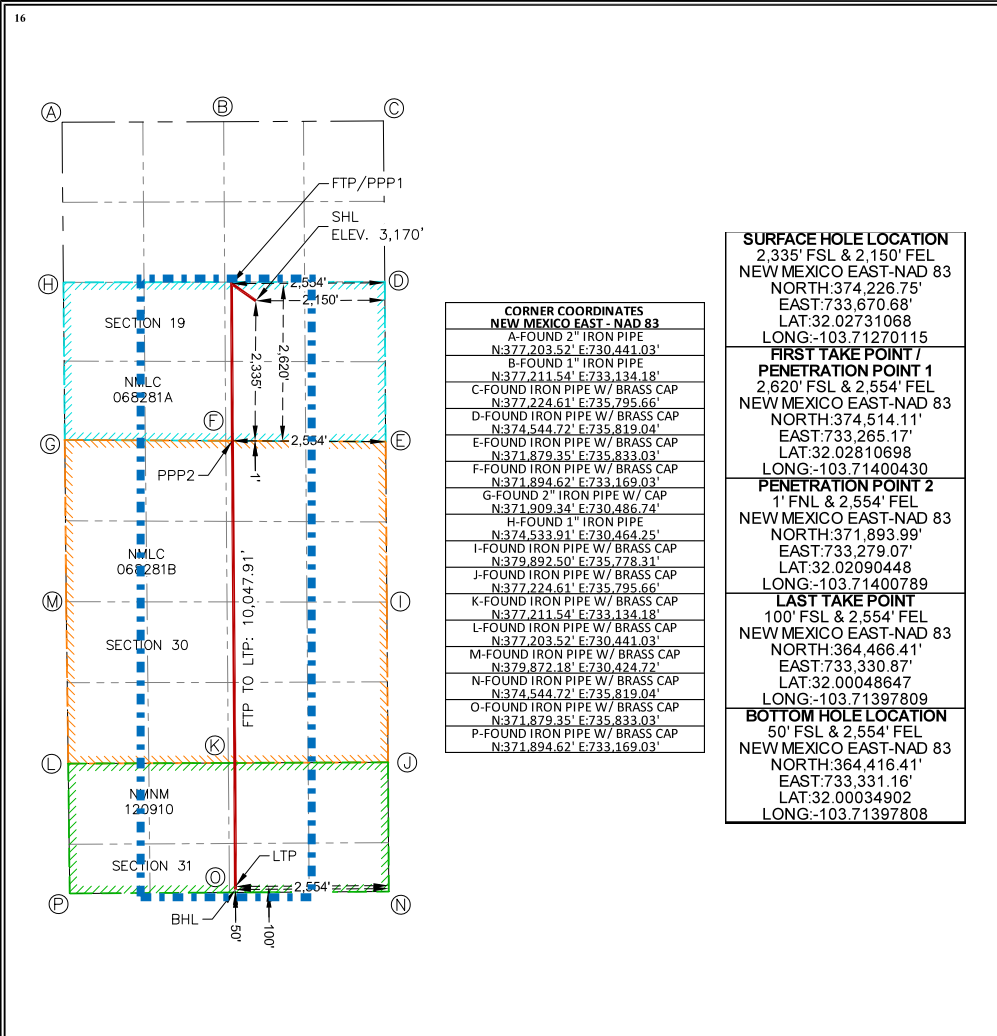
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	26-S	32-E		2,335'	SOUTH	2,150'	EAST	LEA

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
4	31	26-S	32-E		50'	SOUTH	2,554'	EAST	LEA

¹² Dedicated Acres 608.92	¹³ Joint or Infill	¹⁴ Consolidation Code Unit	¹⁵ Order No. R-20080
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶  CORNER COORDINATES NEW MEXICO EAST-NAD 83 A-FOUND 2" IRON PIPE N:377,203.52' E:730,441.03' B-FOUND 1" IRON PIPE N:377,211.54' E:733,134.18' C-FOUND IRON PIPE W/ BRASS CAP N:377,224.61' E:735,795.66' D-FOUND IRON PIPE W/ BRASS CAP N:374,544.72' E:735,819.04' E-FOUND IRON PIPE W/ BRASS CAP N:371,879.35' E:735,833.03' F-FOUND IRON PIPE W/ BRASS CAP N:371,894.62' E:733,169.03' G-FOUND 2" IRON PIPE W/ CAP N:371,309.34' E:730,486.74' H-FOUND 1" IRON PIPE N:374,533.91' E:730,464.25' I-FOUND IRON PIPE W/ BRASS CAP N:379,892.50' E:735,778.31' J-FOUND IRON PIPE W/ BRASS CAP N:377,224.61' E:735,795.66' K-FOUND IRON PIPE W/ BRASS CAP N:377,211.54' E:733,134.18' L-FOUND IRON PIPE W/ BRASS CAP N:377,203.52' E:730,441.03' M-FOUND IRON PIPE W/ BRASS CAP N:379,872.18' E:730,424.72' N-FOUND IRON PIPE W/ BRASS CAP N:374,544.72' E:735,819.04' O-FOUND IRON PIPE W/ BRASS CAP N:371,879.35' E:735,833.03' P-FOUND IRON PIPE W/ BRASS CAP N:371,894.62' E:733,169.03'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 6/5/23 Signature Date Stan Wagner Printed Name _____ Email Address Date ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date: 6/5/23  MARK J. MURRAY P.L.S. NO. 12177
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State of New Mexico
Energy, Minerals and Natural Resources DepartmentSubmit Electronically
Via E-permittingOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505**NATURAL GAS MANAGEMENT PLAN**

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

Section 1 – Plan Description
Effective May 25, 2021**I. Operator:** ConocoPhillips Company**OGRID:** 217817**Date:** 06/05/2023**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Zia Hills Unit 1932 WC 759H	30-025-	J-19-26S-32E	2335 FSL & 2150 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 760H	30-025-	J-19-26S-32E	2335 FSL & 2120 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 761H	30-025-	J-19-26S-32E	2335 FSL & 2090 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 762H	30-025-	J-19-26S-32E	2335 FSL & 2060 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 763H	30-025-	J-19-26S-32E	2335 FSL & 2030 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 764H	30-025-	J-19-26S-32E	2335 FSL & 2000 FEL	± 818	± 3209	± 1907

IV. Central Delivery Point Name: Zia Hills Unit CF2 Facility NESW 24-26S-31E [See 19.15.27.9(D)(1) NMAC]**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Zia Hills Unit 1932 WC	Pending	± 8/1/2024	± 25 days from spud	TBD	TBD	TBD
759H, 760H, 761H, 762H, 763H, 764H						

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications**Effective May 25, 2021**

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

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

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

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

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

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

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

Section 4 - Notices

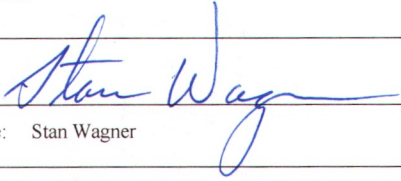
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

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

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

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

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

Signature: 
Printed Name: Stan Wagner
Title: Regulatory Advisor
E-mail Address: stan.s.wagner@conocophillips.com
Date: 06/05/2023
Phone: 432-253-9685
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

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

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

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

C. Completion Operations

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

D. Venting and flaring during production operations

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

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

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

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

F. Measurement of vented and flared natural gas.

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

VIII. Best Management Practices

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 759H

1. Geologic Formations

TVD of target	11,705' EOL	Pilot hole depth	NA
MD at TD:	21,582'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1220	Water	
Top of Salt	1554	Salt	
Base of Salt	4014	Salt	
Lamar	4277	Salt Water	
Bell Canyon	4312	Salt Water	
Cherry Canyon	5203	Oil/Gas	
Brushy Canyon	6625	Oil/Gas	
Bone Spring Lime	8272	Oil/Gas	
1st Bone Spring Sand	9286	Oil/Gas	
2nd Bone Spring Sand	9969	Oil/Gas	
3rd Bone Spring Sand	11146	Oil/Gas	
Wolfcamp	11510	Target	
Wolfcamp A	11725	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.02	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.35	1.04	2.88	2.90
8.750"	8500	11061	7.625"	29.7	P110-ICY	W513	1.29	1.57	3.25	1.95
6.75"	0	10561	5.5"	23	P110-CY	BTC	1.96	2.29	3.00	3.00
6.75"	10561	21,582	5.5"	23	P110-CY	W441	1.77	2.06	2.71	2.46
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 759H

	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 759H**3. Cementing Program**

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	810	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	662	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	927	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	10,561'	35% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 1932 WC 759H

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 759H

5. Mud Program

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

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

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
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6. Logging and Testing Procedures

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

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 759H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8220 psi at 11705' 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

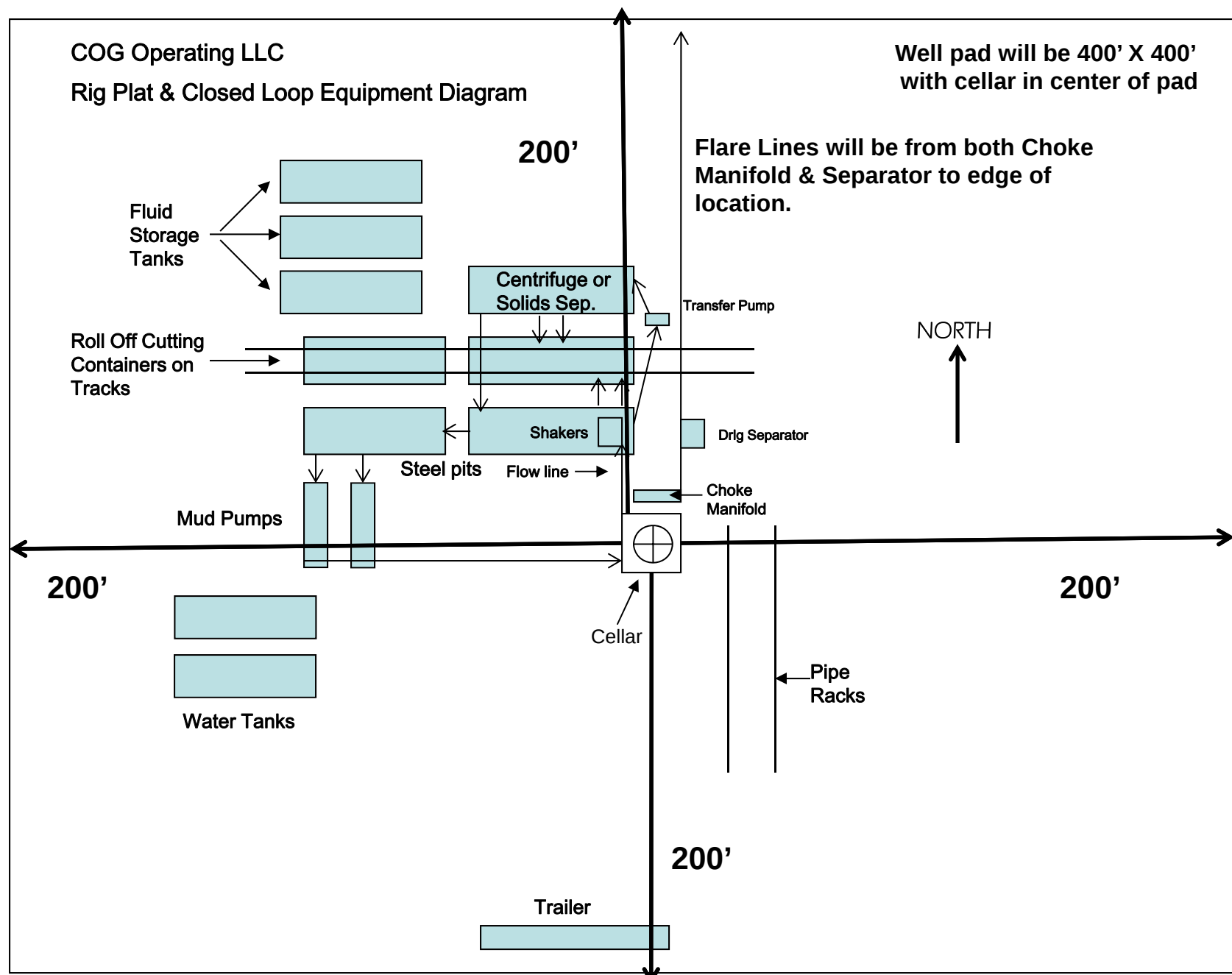


Exhibit 1

"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 #759H

OWB

PWP1

Anticollision Report

09 May, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ODELL STATE						
THRESHER 55-1-12 UNIT A #6H - OWB - AWP	21,581.6	20,361.0	260.9	88.6	1.514	Advise and Monitor, CC, ES,
ZIA HILLS 19 FED COM PROJECT						
ZIA HILLS 19 FEDERAL COM #116H - OWB - AWP	21,581.6	21,747.0	427.6	263.3	2.602	CC, ES, SF
ZIA HILLS UNIT 1932 PROJECT						
CONOCO A FEDERAL #1 (P&A) - OWB - AWP	21,581.6	6,903.0				Out of Range @TD
CONOCO FEDERAL #2 - OWB - AWP	21,581.6	4,368.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	21,581.6	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	21,581.6	11,350.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	21,581.6	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	21,581.6	11,400.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	21,581.6	11,300.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	21,581.6	11,529.4				Out of Range @TD
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	21,581.6	21,735.0	459.0	302.5	2.933	SF
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	21,581.6	21,501.3	848.0	692.1	5.441	SF
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	21,581.6	21,769.9				Out of Range @TD
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	21,581.6	21,655.8				Out of Range @TD
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	21,581.6	21,826.0				Out of Range @TD

Offset Design: ODELL STATE - THRESHER 55-1-12 UNIT A #6H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 2-MWD - OWSG R1													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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
20,800.0	11,705.0	20,361.0	11,780.5	73.4	151.9	135.34	-9,929.0	-498.2	939.1	858.6	80.51	11.665		
20,900.0	11,705.0	20,361.0	11,780.5	74.1	151.9	135.34	-9,929.0	-498.2	842.4	759.7	82.65	10.193		
21,000.0	11,705.0	20,361.0	11,780.5	74.9	151.9	135.34	-9,929.0	-498.2	746.5	660.8	85.69	8.712		
21,100.0	11,705.0	20,361.0	11,780.5	75.6	151.9	135.34	-9,929.0	-498.2	651.9	561.8	90.14	7.233		
21,200.0	11,705.0	20,361.0	11,780.5	76.3	151.9	135.34	-9,929.0	-498.2	559.2	462.4	96.80	5.777		
21,300.0	11,705.0	20,361.0	11,780.5	77.1	151.9	135.34	-9,929.0	-498.2	469.5	362.5	107.03	4.387		
21,400.0	11,705.0	20,361.0	11,780.5	77.8	151.9	135.34	-9,929.0	-498.2	385.0	262.1	122.90	3.132		
21,500.0	11,705.0	20,361.0	11,780.5	78.5	151.9	135.34	-9,929.0	-498.2	309.7	162.8	146.92	2.108		
21,543.6	11,705.0	20,361.0	11,780.5	78.8	151.9	135.34	-9,929.0	-498.2	281.8	121.7	160.09	1.760	Advise and Monitor	
21,581.6	11,705.0	20,361.0	11,780.5	79.1	151.9	135.34	-9,929.0	-498.2	260.9	88.6	172.35	1.514	Advise and Monitor, 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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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 19 FED COM PROJECT - ZIA HILLS 19 FEDERAL COM #116H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 11135-MWD+IFR1+FDIR												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
3,800.0	3,784.6	3,992.1	3,965.6	11.9	4.6	-28.94	283.4	-1,162.2	976.2	959.4	16.82	58.036	
3,900.0	3,883.8	4,085.6	4,057.5	12.3	4.7	-29.63	275.8	-1,147.0	948.6	931.3	17.26	54.975	
4,000.0	3,983.1	4,155.9	4,126.8	12.7	4.8	-30.18	270.1	-1,136.6	922.5	904.8	17.76	51.953	
4,100.0	4,082.4	4,230.8	4,201.0	13.1	4.9	-30.74	265.0	-1,127.4	899.2	881.0	18.24	49.288	
4,200.0	4,181.6	4,313.4	4,283.1	13.5	4.9	-31.32	260.7	-1,119.1	878.2	859.5	18.71	46.935	
4,300.0	4,280.9	4,428.4	4,397.3	13.9	5.1	-32.01	256.7	-1,106.2	856.5	837.4	19.09	44.858	
4,400.0	4,380.1	4,552.4	4,520.3	14.2	5.2	-32.69	254.0	-1,090.8	834.0	814.5	19.43	42.912	
4,500.0	4,479.4	4,648.4	4,615.1	14.6	5.3	-33.13	253.2	-1,075.8	808.3	788.4	19.87	40.677	
4,600.0	4,578.6	4,744.2	4,709.8	15.0	5.4	-33.53	253.5	-1,061.3	783.1	762.8	20.31	38.557	
4,700.0	4,677.9	4,833.7	4,798.3	15.4	5.5	-33.89	254.2	-1,048.4	758.7	737.9	20.78	36.515	
4,800.0	4,777.1	4,946.1	4,909.4	15.9	5.6	-34.46	254.1	-1,031.6	733.9	712.7	21.13	34.730	
4,900.0	4,876.4	5,043.2	5,005.3	16.3	5.7	-35.17	251.7	-1,015.8	707.6	686.1	21.52	32.884	
5,000.0	4,975.7	5,128.3	5,089.3	16.7	5.8	-35.82	249.9	-1,002.7	682.4	660.4	21.96	31.069	
5,100.0	5,074.9	5,220.6	5,180.6	17.1	5.9	-36.52	248.5	-989.5	658.4	636.0	22.37	29.434	
5,200.0	5,174.2	5,324.4	5,283.3	17.5	6.1	-37.31	247.5	-974.5	634.3	611.6	22.70	27.944	
5,300.0	5,273.4	5,422.4	5,380.2	17.9	6.2	-38.11	246.8	-959.4	609.4	586.4	23.05	26.444	
5,400.0	5,372.7	5,514.2	5,471.0	18.3	6.3	-38.86	246.6	-945.7	585.0	561.6	23.42	24.975	
5,439.6	5,412.0	5,552.6	5,509.0	18.4	6.4	-39.18	246.7	-940.1	575.5	552.0	23.54	24.444	
5,500.0	5,472.0	5,610.4	5,566.1	18.7	6.4	-39.54	247.0	-931.7	561.4	537.6	23.74	23.650	
5,600.0	5,571.4	5,707.9	5,662.6	19.1	6.6	-40.10	247.7	-917.5	539.0	514.9	24.07	22.395	
5,700.0	5,671.1	5,792.3	5,746.2	19.4	6.7	-40.54	248.0	-905.9	518.8	494.3	24.48	21.191	
5,800.0	5,770.8	5,883.9	5,837.1	19.8	6.8	-41.04	247.4	-895.7	502.7	477.8	24.83	20.245	
5,900.0	5,870.7	5,982.2	5,934.9	20.1	6.9	-41.48	247.1	-885.3	488.4	463.2	25.13	19.437	
6,000.0	5,970.6	6,064.6	6,016.9	20.4	7.0	-41.79	246.4	-877.4	476.6	451.1	25.52	18.674	
6,100.0	6,070.6	6,155.7	6,107.9	20.7	7.0	-42.14	244.6	-872.0	469.7	443.9	25.81	18.198	
6,139.6	6,110.3	6,195.3	6,147.4	20.7	7.1	-96.26	243.9	-869.9	467.5	441.7	25.85	18.087	
6,200.0	6,170.6	6,254.2	6,206.3	20.8	7.1	-96.44	242.7	-866.7	464.5	438.6	25.88	17.948	
6,300.0	6,270.6	6,342.8	6,294.7	20.8	7.2	-96.66	241.4	-862.9	460.4	434.4	26.03	17.692	
6,400.0	6,370.6	6,432.7	6,384.6	20.8	7.2	-96.70	241.1	-862.2	459.6	433.4	26.19	17.550	
6,476.8	6,447.4	6,508.4	6,460.3	20.9	7.2	-96.73	240.9	-862.1	459.5	433.3	26.26	17.496	
6,500.0	6,470.6	6,530.6	6,482.5	20.9	7.2	-96.75	240.8	-862.1	459.6	433.3	26.29	17.482	
6,600.0	6,570.6	6,630.2	6,582.1	20.9	7.3	-96.81	240.3	-862.3	459.8	433.4	26.36	17.446	
6,700.0	6,670.6	6,729.1	6,681.0	21.0	7.4	-96.91	239.4	-862.6	460.2	433.8	26.42	17.419	
6,800.0	6,770.6	6,828.6	6,780.5	21.0	7.4	-97.06	238.1	-863.1	460.8	434.4	26.47	17.411	
6,900.0	6,870.6	6,928.2	6,880.1	21.1	7.5	-97.25	236.6	-863.6	461.5	435.0	26.51	17.408	
7,000.0	6,970.6	7,028.2	6,980.1	21.1	7.6	-97.44	234.9	-864.2	462.3	435.8	26.55	17.412	
7,100.0	7,070.6	7,128.8	7,080.6	21.2	7.7	-97.65	233.2	-864.6	463.0	436.4	26.59	17.412	
7,200.0	7,170.6	7,228.5	7,180.3	21.2	7.8	-97.90	231.1	-865.0	463.7	437.0	26.63	17.411	
7,300.0	7,270.6	7,329.4	7,281.2	21.3	7.8	-98.18	228.7	-865.2	464.2	437.5	26.66	17.413	
7,400.0	7,370.6	7,429.2	7,381.0	21.3	7.9	-98.47	226.3	-865.4	464.8	438.1	26.69	17.414	
7,500.0	7,470.6	7,529.6	7,481.3	21.3	8.0	-98.77	223.8	-865.6	465.3	438.6	26.72	17.414	
7,600.0	7,570.6	7,630.6	7,582.3	21.4	8.1	-99.08	221.3	-865.6	465.7	439.0	26.75	17.413	
7,700.0	7,670.6	7,731.0	7,682.7	21.4	8.2	-99.40	218.7	-865.5	466.0	439.2	26.78	17.402	
7,800.0	7,770.6	7,831.3	7,782.9	21.5	8.3	-99.74	215.9	-865.1	466.1	439.3	26.81	17.389	
7,900.0	7,870.6	7,930.9	7,882.5	21.5	8.4	-100.09	213.1	-864.9	466.3	439.5	26.84	17.376	
8,000.0	7,970.6	8,030.3	7,981.9	21.6	8.5	-100.43	210.3	-864.5	466.5	439.6	26.87	17.362	
8,100.0	8,070.6	8,130.2	8,081.8	21.6	8.6	-100.59	209.0	-864.6	466.8	439.9	26.93	17.332	
8,200.0	8,170.6	8,230.4	8,181.9	21.7	8.6	-100.68	208.2	-864.8	467.2	440.2	27.01	17.299	
8,300.0	8,270.6	8,329.8	8,281.3	21.7	8.7	-100.78	207.3	-865.1	467.6	440.5	27.08	17.267	
8,400.0	8,370.6	8,430.1	8,381.6	21.8	8.8	-100.89	206.4	-865.3	468.0	440.8	27.15	17.236	
8,500.0	8,470.6	8,528.0	8,479.6	21.8	8.9	-100.99	205.5	-865.6	468.5	441.3	27.23	17.205	
8,600.0	8,570.6	8,624.7	8,576.2	21.9	8.9	-100.90	205.9	-867.1	469.9	442.6	27.35	17.183	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
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Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 19 FED COM PROJECT - ZIA HILLS 19 FEDERAL COM #116H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 11135-MWD+IFR1+FDIR												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	
8,700.0	8,670.6	8,723.9	8,675.4	21.9	8.9	-100.77	206.7	-869.0	471.6	444.1	27.46	17.173	
8,800.0	8,770.6	8,825.7	8,777.1	22.0	8.9	-100.67	207.2	-870.6	473.0	445.5	27.56	17.165	
8,900.0	8,870.6	8,927.0	8,878.5	22.0	8.9	-100.56	207.9	-872.0	474.3	446.6	27.66	17.146	
9,000.0	8,970.6	9,030.5	8,982.0	22.1	8.9	-100.47	208.4	-872.9	475.1	447.3	27.75	17.119	
9,100.0	9,070.6	9,137.4	9,088.9	22.1	9.0	-100.38	209.2	-873.0	475.0	447.2	27.85	17.058	
9,200.0	9,170.6	9,240.2	9,191.6	22.2	9.0	-100.35	209.8	-871.5	473.5	445.5	27.98	16.926	
9,300.0	9,270.6	9,338.2	9,289.6	22.2	9.1	-100.38	209.7	-870.0	472.1	443.9	28.11	16.793	
9,400.0	9,370.6	9,438.9	9,390.3	22.3	9.1	-100.44	209.5	-868.6	470.7	442.4	28.23	16.672	
9,500.0	9,470.6	9,539.3	9,490.7	22.3	9.2	-100.51	209.2	-867.0	469.2	440.9	28.35	16.550	
9,600.0	9,570.6	9,639.7	9,591.1	22.4	9.3	-100.64	208.5	-865.3	467.7	439.2	28.46	16.434	
9,700.0	9,670.6	9,748.4	9,699.7	22.4	9.4	-100.82	207.5	-862.5	465.3	436.7	28.53	16.309	
9,800.0	9,770.6	9,847.6	9,798.9	22.5	9.5	-100.96	207.0	-858.8	461.8	433.1	28.64	16.121	
9,867.7	9,838.3	9,900.0	9,851.3	22.5	9.5	-101.01	206.8	-857.9	460.7	431.9	28.78	16.007	
9,900.0	9,870.6	9,930.4	9,881.6	22.5	9.6	-101.02	206.7	-858.0	460.7	431.9	28.82	15.987	
10,000.0	9,970.6	10,029.0	9,980.3	22.6	9.6	-101.05	206.4	-858.5	461.3	432.4	28.91	15.957	
10,100.0	10,070.6	10,129.1	10,080.3	22.6	9.7	-101.06	206.2	-859.1	461.9	432.9	28.99	15.934	
10,200.0	10,170.6	10,224.9	10,176.1	22.7	9.7	-101.05	206.1	-860.3	463.2	434.1	29.10	15.917	
10,300.0	10,270.6	10,326.5	10,277.7	22.7	9.7	-100.96	206.5	-861.8	464.6	435.4	29.20	15.910	
10,400.0	10,370.6	10,427.9	10,379.1	22.8	9.7	-100.76	207.8	-863.4	465.8	436.5	29.33	15.884	
10,500.0	10,470.6	10,529.1	10,480.4	22.8	9.8	-100.73	207.9	-864.0	466.5	437.0	29.42	15.858	
10,600.0	10,570.6	10,631.4	10,582.6	22.9	9.8	-100.86	206.8	-864.5	467.2	437.7	29.48	15.845	
10,700.0	10,670.6	10,736.3	10,687.5	22.9	9.9	-101.10	205.0	-863.6	466.6	437.0	29.54	15.795	
10,740.0	10,710.7	10,772.4	10,723.6	23.0	10.0	-101.16	204.5	-863.3	466.3	436.8	29.59	15.760	
10,800.0	10,770.6	10,827.8	10,779.0	23.0	10.0	-101.20	204.1	-863.5	466.7	437.0	29.67	15.732	
10,900.0	10,870.6	10,928.0	10,879.2	23.0	10.1	-101.24	203.7	-864.5	467.7	438.0	29.75	15.721	
11,000.0	10,970.6	11,030.3	10,981.5	23.1	10.1	-101.30	202.9	-865.3	468.7	438.9	29.83	15.714	
11,100.0	11,070.6	11,129.5	11,080.7	23.2	10.2	-101.42	201.9	-865.6	469.1	439.2	29.91	15.685	
11,161.4	11,132.0	11,190.0	11,141.1	23.2	10.2	-101.51	201.1	-865.8	469.6	439.6	29.93	15.687	
11,200.0	11,170.6	11,227.9	11,179.1	23.2	10.2	78.93	200.4	-866.1	469.7	439.7	29.96	15.674	
11,250.0	11,220.3	11,278.1	11,229.2	23.2	10.2	79.55	199.4	-866.3	469.1	439.0	30.08	15.594	
11,300.0	11,269.3	11,327.7	11,278.9	23.3	10.2	80.75	198.5	-866.5	467.7	437.5	30.29	15.445	
11,350.0	11,317.2	11,376.6	11,327.7	23.3	10.2	82.47	197.4	-866.7	465.9	435.4	30.58	15.236	
11,400.0	11,363.8	11,424.1	11,375.2	23.3	10.3	84.63	196.1	-866.7	464.0	433.0	30.96	14.987	
11,450.0	11,408.6	11,469.8	11,420.8	23.3	10.3	86.93	192.7	-866.6	462.3	431.0	31.38	14.733	
11,500.0	11,451.3	11,518.4	11,468.8	23.4	10.3	89.38	185.5	-866.1	461.2	429.4	31.79	14.507	
11,550.0	11,491.5	11,573.5	11,522.3	23.4	10.3	92.14	172.6	-864.7	460.2	428.0	32.16	14.308	
11,600.0	11,529.0	11,629.5	11,575.9	23.4	10.4	95.13	156.4	-862.3	459.3	426.8	32.57	14.102	
11,650.0	11,563.5	11,683.4	11,626.3	23.5	10.4	98.15	137.6	-859.0	458.9	425.8	33.04	13.889	
11,700.0	11,594.7	11,766.0	11,699.1	23.5	10.5	102.50	99.5	-851.0	457.8	424.2	33.56	13.639	
11,750.0	11,622.4	11,828.0	11,749.4	23.5	10.6	105.69	64.5	-842.4	455.4	421.2	34.15	13.335	
11,788.6	11,641.3	11,860.0	11,772.3	23.6	10.7	107.00	42.5	-838.8	454.6	420.1	34.49	13.180	
11,800.0	11,646.4	11,868.2	11,777.7	23.6	10.7	107.27	36.4	-838.2	454.7	420.1	34.58	13.148	
11,850.0	11,666.4	11,910.2	11,802.3	23.6	10.8	108.20	2.4	-836.8	456.5	421.6	34.93	13.068	
11,900.0	11,682.4	11,959.8	11,823.5	23.7	10.8	108.46	-42.3	-838.5	460.3	425.1	35.16	13.092	
11,950.0	11,694.2	12,005.2	11,835.6	23.7	10.9	107.95	-85.7	-842.9	465.7	430.4	35.32	13.186	
12,000.0	11,701.7	12,057.4	11,846.2	23.8	10.9	107.39	-136.5	-849.0	472.5	437.0	35.45	13.327	
12,050.0	11,704.9	12,111.9	11,855.2	23.8	11.0	107.05	-189.8	-855.7	480.2	444.6	35.62	13.480	
12,061.4	11,705.0	12,125.0	11,857.0	23.8	11.0	107.00	-202.8	-857.4	482.1	446.4	35.66	13.517	
12,100.0	11,705.0	12,169.8	11,861.7	23.9	11.1	107.33	-246.9	-862.9	488.1	452.3	35.77	13.644	
12,200.0	11,705.0	12,302.7	11,867.9	24.0	11.3	107.54	-379.0	-876.0	499.4	463.6	35.84	13.934	
12,300.0	11,705.0	12,409.2	11,866.9	24.1	11.6	107.15	-485.2	-883.3	506.3	470.1	36.18	13.992	
12,400.0	11,705.0	12,514.9	11,864.1	24.2	12.1	106.57	-590.6	-891.3	513.4	476.9	36.57	14.039	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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 19 FED COM PROJECT - ZIA HILLS 19 FEDERAL COM #116H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 11135-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,500.0	11,705.0	12,635.5	11,861.3	24.4	12.7	106.10	-711.0	-895.7	516.9	480.0	36.90	14.007	
12,600.0	11,705.0	12,732.1	11,859.3	24.6	13.2	105.82	-807.6	-897.5	518.7	481.1	37.57	13.805	
12,700.0	11,705.0	12,828.0	11,858.9	24.8	13.7	105.69	-903.5	-899.8	521.5	483.2	38.33	13.606	
12,800.0	11,705.0	12,923.1	11,859.6	25.0	14.3	105.67	-998.6	-902.5	525.1	486.0	39.15	13.412	
12,900.0	11,705.0	13,018.0	11,861.4	25.2	14.9	105.73	-1,093.4	-905.9	529.7	489.6	40.03	13.231	
13,000.0	11,705.0	13,116.8	11,864.4	25.5	15.6	105.91	-1,192.1	-909.7	534.8	493.9	40.95	13.062	
13,100.0	11,705.0	13,213.9	11,867.9	25.7	16.3	106.14	-1,289.1	-913.6	540.3	498.4	41.91	12.891	
13,200.0	11,705.0	13,359.0	11,869.9	26.0	17.3	106.28	-1,434.1	-915.1	542.5	499.8	42.64	12.722	
13,300.0	11,705.0	13,473.1	11,870.0	26.3	18.1	106.47	-1,547.9	-908.3	537.3	493.7	43.59	12.327	
13,400.0	11,705.0	13,567.7	11,866.6	26.6	18.8	106.22	-1,642.3	-904.1	532.6	488.0	44.64	11.932	
13,500.0	11,705.0	13,664.8	11,864.2	27.0	19.5	106.07	-1,739.4	-900.3	528.8	483.0	45.72	11.565	
13,600.0	11,705.0	13,753.8	11,863.0	27.3	20.2	106.01	-1,828.3	-897.3	525.9	479.0	46.89	11.216	
13,669.5	11,705.0	13,815.0	11,862.0	27.6	20.6	105.91	-1,889.5	-896.8	525.4	477.7	47.70	11.014	
13,700.0	11,705.0	13,842.9	11,861.3	27.7	20.8	105.83	-1,917.4	-896.9	525.5	477.4	48.05	10.935	
13,800.0	11,705.0	13,945.0	11,858.1	28.1	21.6	105.45	-2,019.5	-897.9	526.2	477.1	49.16	10.704	
13,861.3	11,705.0	14,006.9	11,857.4	28.4	22.1	105.38	-2,081.4	-897.5	526.1	476.2	49.88	10.547	
13,900.0	11,705.0	14,042.6	11,856.9	28.5	22.4	105.32	-2,117.0	-897.5	526.2	475.9	50.34	10.452	
14,000.0	11,705.0	14,136.5	11,855.2	28.9	23.1	105.09	-2,210.9	-898.6	527.4	475.8	51.55	10.232	
14,100.0	11,705.0	14,234.9	11,853.3	29.4	23.9	104.82	-2,309.3	-900.5	529.4	476.6	52.75	10.036	
14,200.0	11,705.0	14,334.1	11,850.7	29.8	24.6	104.48	-2,408.4	-902.6	531.5	477.5	53.97	9.848	
14,300.0	11,705.0	14,425.5	11,847.8	30.3	25.4	104.07	-2,499.7	-905.5	534.4	479.1	55.20	9.680	
14,400.0	11,705.0	14,525.9	11,847.9	30.8	26.2	103.98	-2,600.0	-908.9	538.4	481.9	56.48	9.532	
14,500.0	11,705.0	14,624.1	11,853.1	31.3	27.0	104.45	-2,698.1	-910.8	542.2	484.4	57.82	9.377	
14,600.0	11,705.0	14,752.5	11,862.8	31.8	28.0	105.46	-2,826.1	-909.2	543.5	484.2	59.23	9.175	
14,700.0	11,705.0	14,851.6	11,866.8	32.3	28.8	105.92	-2,925.1	-906.5	542.5	481.9	60.61	8.951	
14,800.0	11,705.0	14,954.1	11,868.7	32.9	29.6	106.17	-3,027.5	-904.0	541.4	479.4	61.98	8.734	
14,900.0	11,705.0	15,070.5	11,870.3	33.4	30.6	106.42	-3,143.8	-900.2	539.3	476.0	63.33	8.517	
15,000.0	11,705.0	15,179.0	11,872.9	34.0	31.5	106.92	-3,252.0	-891.9	533.3	468.6	64.71	8.241	
15,100.0	11,705.0	15,278.0	11,873.6	34.5	32.3	107.20	-3,350.7	-885.0	527.5	461.3	66.12	7.977	
15,200.0	11,705.0	15,380.7	11,871.1	35.1	33.1	107.12	-3,453.2	-878.6	521.4	453.9	67.49	7.726	
15,300.0	11,705.0	15,486.5	11,866.1	35.7	34.0	106.79	-3,558.7	-871.8	514.5	445.7	68.82	7.476	
15,400.0	11,705.0	15,571.8	11,863.1	36.3	34.7	106.61	-3,643.7	-866.6	508.3	438.0	70.28	7.232	
15,500.0	11,705.0	15,668.5	11,859.8	36.9	35.5	106.36	-3,740.2	-862.7	504.1	432.4	71.68	7.032	
15,600.0	11,705.0	15,772.7	11,857.3	37.5	36.4	106.22	-3,844.3	-858.0	499.7	426.6	73.08	6.837	
15,700.0	11,705.0	15,860.0	11,857.4	38.1	37.1	106.34	-3,931.5	-854.1	496.0	421.5	74.55	6.653	
15,800.0	11,705.0	15,950.8	11,857.8	38.7	37.9	106.43	-4,022.3	-852.0	494.6	418.6	75.99	6.509	
15,900.0	11,705.0	16,052.8	11,854.7	39.3	38.7	106.07	-4,124.3	-851.7	494.1	416.6	77.41	6.382	
16,000.0	11,705.0	16,164.0	11,851.5	39.9	39.6	105.77	-4,235.4	-849.1	491.7	412.8	78.84	6.236	
16,090.4	11,705.0	16,246.0	11,852.5	40.5	40.3	105.93	-4,317.3	-846.9	490.1	409.9	80.17	6.113	
16,100.0	11,705.0	16,246.0	11,852.5	40.6	40.3	105.93	-4,317.3	-846.9	490.1	409.8	80.30	6.103	
16,200.0	11,705.0	16,341.0	11,856.0	41.2	41.1	106.33	-4,412.3	-846.3	491.1	409.3	81.76	6.006	
16,300.0	11,705.0	16,430.5	11,857.2	41.9	41.9	106.39	-4,501.8	-848.0	493.9	410.8	83.16	5.939	
16,400.0	11,705.0	16,556.8	11,855.9	42.5	42.9	106.21	-4,628.0	-848.4	494.4	409.7	84.73	5.835	
16,500.0	11,705.0	16,655.1	11,857.4	43.2	43.7	106.45	-4,726.3	-845.6	492.8	406.6	86.22	5.715	
16,600.0	11,705.0	16,749.5	11,858.9	43.8	44.5	106.65	-4,820.7	-843.8	492.1	404.4	87.70	5.611	
16,619.7	11,705.0	16,768.3	11,858.9	43.9	44.7	106.65	-4,839.4	-843.7	492.0	404.1	87.99	5.592	
16,700.0	11,705.0	16,845.6	11,857.4	44.5	45.3	106.46	-4,916.7	-843.9	492.3	403.2	89.16	5.522	
16,800.0	11,705.0	16,941.3	11,854.2	45.1	46.1	106.04	-5,012.4	-845.2	493.2	402.6	90.60	5.444	
16,900.0	11,705.0	17,036.6	11,850.6	45.8	46.9	105.54	-5,107.6	-847.7	495.4	403.4	92.04	5.383	
17,000.0	11,705.0	17,137.9	11,847.8	46.5	47.8	105.12	-5,208.7	-850.3	497.8	404.3	93.52	5.323	
17,100.0	11,705.0	17,235.7	11,846.0	47.2	48.6	104.84	-5,306.6	-852.4	500.0	405.0	94.99	5.264	
17,200.0	11,705.0	17,334.6	11,841.7	47.8	49.4	104.24	-5,405.2	-856.0	503.1	406.6	96.46	5.216	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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 19 FED COM PROJECT - ZIA HILLS 19 FEDERAL COM #116H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 11135-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
17,300.0	11,705.0	17,440.6	11,840.5	48.5	50.3	104.04	-5,511.2	-858.1	505.4	407.4	98.00	5.157	
17,400.0	11,705.0	17,541.9	11,839.8	49.2	51.2	103.91	-5,612.5	-859.1	506.8	407.3	99.51	5.093	
17,500.0	11,705.0	17,638.0	11,837.0	49.9	52.0	103.55	-5,708.5	-860.9	508.6	407.6	100.98	5.036	
17,600.0	11,705.0	17,761.9	11,838.2	50.6	53.0	103.66	-5,832.3	-860.6	509.3	406.7	102.58	4.965	
17,700.0	11,705.0	17,854.0	11,846.5	51.2	53.8	104.67	-5,923.9	-856.4	507.8	403.6	104.14	4.876	
17,800.0	11,705.0	17,958.6	11,853.3	51.9	54.7	105.50	-6,028.2	-852.7	506.6	400.9	105.70	4.793	
17,900.0	11,705.0	18,070.1	11,851.1	52.6	55.7	105.33	-6,139.6	-849.5	504.0	396.7	107.21	4.701	
18,000.0	11,705.0	18,181.5	11,852.8	53.3	56.6	105.73	-6,250.7	-842.1	498.6	389.9	108.70	4.587	
18,100.0	11,705.0	18,280.7	11,852.7	54.0	57.5	105.92	-6,349.6	-834.9	492.2	381.9	110.24	4.465	
18,200.0	11,705.0	18,380.7	11,849.6	54.7	58.3	105.74	-6,449.5	-829.1	486.4	374.6	111.76	4.352	
18,300.0	11,705.0	18,472.8	11,851.5	55.4	59.1	106.16	-6,541.3	-822.2	480.5	367.1	113.35	4.239	
18,400.0	11,705.0	18,562.8	11,854.7	56.1	59.9	106.65	-6,631.1	-817.9	477.4	362.5	114.92	4.155	
18,500.0	11,705.0	18,663.3	11,852.3	56.8	60.7	106.44	-6,731.5	-815.4	475.1	358.6	116.45	4.080	
18,600.0	11,705.0	18,775.2	11,850.9	57.5	61.7	106.40	-6,843.3	-811.2	471.7	353.8	117.95	3.999	
18,700.0	11,705.0	18,874.9	11,853.3	58.3	62.5	106.89	-6,942.7	-804.2	466.3	346.8	119.51	3.902	
18,800.0	11,705.0	18,966.0	11,849.0	59.0	63.3	106.49	-7,033.7	-801.0	462.2	341.1	121.06	3.818	
18,900.0	11,705.0	19,067.6	11,843.6	59.7	64.1	105.89	-7,135.1	-798.8	459.3	336.7	122.59	3.747	
19,000.0	11,705.0	19,172.5	11,835.5	60.4	65.0	104.98	-7,239.6	-796.1	455.4	331.3	124.09	3.670	
19,100.0	11,705.0	19,264.6	11,832.3	61.1	65.8	104.67	-7,331.5	-792.9	451.7	326.1	125.65	3.595	
19,200.0	11,705.0	19,358.1	11,834.1	61.8	66.6	104.97	-7,425.0	-789.9	449.8	322.6	127.20	3.536	
19,300.0	11,705.0	19,456.6	11,834.1	62.5	67.4	105.00	-7,523.4	-788.3	448.8	320.0	128.74	3.486	
19,400.0	11,705.0	19,564.5	11,830.6	63.3	68.4	104.60	-7,631.2	-786.6	447.1	316.8	130.29	3.432	
19,500.0	11,705.0	19,672.4	11,831.4	64.0	69.3	104.86	-7,738.9	-781.0	442.8	311.0	131.82	3.359	
19,593.9	11,705.0	19,746.0	11,830.2	64.6	69.9	104.77	-7,812.5	-778.9	440.5	307.3	133.27	3.305	
19,600.0	11,705.0	19,746.0	11,830.2	64.7	69.9	104.77	-7,812.5	-778.9	440.6	307.3	133.32	3.305	
19,700.0	11,705.0	19,841.0	11,827.2	65.4	70.7	104.30	-7,907.4	-780.7	442.3	307.5	134.80	3.281	
19,800.0	11,705.0	19,933.8	11,829.7	66.1	71.5	104.51	-8,000.2	-783.5	446.4	310.2	136.25	3.277	
19,900.0	11,705.0	20,031.1	11,835.5	66.9	72.3	105.12	-8,097.2	-786.0	451.1	313.3	137.75	3.274	
20,000.0	11,705.0	20,136.6	11,840.8	67.6	73.2	105.65	-8,202.5	-788.8	455.6	316.2	139.41	3.268	
20,100.0	11,705.0	20,256.5	11,841.6	68.3	74.3	105.71	-8,322.4	-789.2	456.7	315.6	141.17	3.235	
20,200.0	11,705.0	20,377.3	11,841.5	69.0	75.3	105.80	-8,443.1	-785.5	454.5	311.8	142.70	3.185	
20,300.0	11,705.0	20,471.3	11,840.2	69.8	76.1	105.81	-8,537.0	-779.8	449.0	304.7	144.29	3.111	
20,400.0	11,705.0	20,559.1	11,840.8	70.5	76.9	105.98	-8,624.7	-776.9	446.6	300.7	145.86	3.062	
20,458.4	11,705.0	20,612.2	11,842.3	70.9	77.3	106.19	-8,677.8	-775.8	446.2	299.5	146.75	3.041	
20,500.0	11,705.0	20,650.0	11,843.0	71.2	77.6	106.27	-8,715.6	-775.5	446.4	299.1	147.37	3.029	
20,600.0	11,705.0	20,737.2	11,842.6	71.9	78.4	106.15	-8,802.8	-776.9	448.5	299.7	148.75	3.015	
20,700.0	11,705.0	20,840.5	11,842.7	72.7	79.3	105.99	-8,905.9	-781.2	453.1	302.7	150.37	3.013	
20,800.0	11,705.0	20,946.2	11,842.6	73.4	80.2	105.92	-9,011.7	-782.3	454.7	302.7	152.01	2.991	
20,900.0	11,705.0	21,041.1	11,842.6	74.1	81.0	105.85	-9,106.6	-783.3	456.4	302.9	153.50	2.973	
21,000.0	11,705.0	21,161.2	11,839.9	74.9	82.0	105.44	-9,226.6	-785.3	458.2	303.0	155.23	2.952	
21,100.0	11,705.0	21,266.8	11,839.5	75.6	82.9	105.46	-9,332.2	-782.3	456.0	299.2	156.80	2.908	
21,200.0	11,705.0	21,376.5	11,838.3	76.3	83.8	105.47	-9,441.7	-777.3	451.9	293.6	158.32	2.854	
21,300.0	11,705.0	21,478.0	11,835.6	77.1	84.7	105.29	-9,543.0	-772.1	446.9	287.0	159.87	2.795	
21,400.0	11,705.0	21,583.3	11,831.2	77.8	85.6	104.91	-9,648.1	-766.2	441.0	279.7	161.37	2.733	
21,500.0	11,705.0	21,691.0	11,825.6	78.5	86.5	104.43	-9,755.4	-758.8	433.7	270.9	162.79	2.664	
21,543.6	11,705.0	21,734.4	11,823.1	78.8	86.9	104.21	-9,798.5	-755.4	430.0	266.6	163.47	2.631	
21,581.6	11,705.0	21,747.0	11,822.4	79.1	87.0	104.14	-9,811.1	-754.4	427.6	263.3	164.35	2.602 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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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 A FEDERAL #1 (P&A) - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 362-INC-ONLY													Offset Well Error:	10.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	3.0	10.0	-13.70	676.3	-164.9	696.3					
100.0	100.0	83.5	83.5	3.0	10.0	-13.70	676.3	-164.9	696.1	681.0	15.13	46.014		
200.0	200.0	183.5	183.5	3.2	10.1	-13.70	676.3	-164.9	696.1	680.8	15.31	45.466		
300.0	300.0	283.5	283.5	3.3	10.3	-13.70	676.3	-164.9	696.1	680.5	15.59	44.658		
400.0	400.0	383.5	383.5	3.4	10.6	-13.70	676.3	-164.9	696.1	680.1	16.04	43.395		
500.0	500.0	483.5	483.5	3.5	11.3	-13.70	676.3	-164.9	696.1	679.0	17.05	40.815		
600.0	600.0	583.5	583.5	3.7	12.3	-13.70	676.3	-164.9	696.1	677.7	18.37	37.895		
700.0	700.0	683.8	683.8	3.8	13.4	-13.70	676.6	-164.9	696.4	676.4	19.93	34.945		
800.0	800.0	784.4	784.4	3.9	14.7	-13.70	676.5	-164.9	696.3	674.6	21.68	32.119		
900.0	900.0	884.9	884.9	4.0	16.0	-13.70	676.3	-164.9	696.1	672.5	23.58	29.528		
943.8	943.8	927.4	927.4	4.1	16.7	-13.70	676.3	-164.9	696.1	671.6	24.47	28.446		
1,000.0	1,000.0	983.5	983.5	4.2	17.6	-13.70	676.3	-164.9	696.1	670.4	25.72	27.067		
1,100.0	1,100.0	1,084.1	1,084.1	4.3	19.3	-13.69	676.6	-164.9	696.4	668.4	28.03	24.849		
1,200.0	1,200.0	1,186.0	1,186.0	4.4	21.0	-13.70	676.4	-164.9	696.2	665.8	30.45	22.866		
1,277.4	1,277.4	1,261.0	1,260.9	4.5	22.5	-13.70	676.3	-164.9	696.1	663.6	32.46	21.447		
1,300.0	1,300.0	1,283.6	1,283.5	4.5	22.9	-13.70	676.3	-164.9	696.1	663.0	33.10	21.031		
1,400.0	1,400.0	1,383.6	1,383.5	4.6	25.0	-13.70	676.3	-164.9	696.1	660.1	35.97	19.351		
1,500.0	1,500.0	1,484.6	1,484.5	4.8	27.1	-13.68	677.6	-164.9	697.4	658.4	38.93	17.915		
1,600.0	1,600.0	1,587.7	1,587.6	4.9	29.3	40.43	677.2	-164.9	695.7	653.7	41.99	16.566		
1,700.0	1,699.8	1,690.7	1,690.6	5.1	31.6	40.77	676.3	-164.9	690.9	645.8	45.10	15.319		
1,800.0	1,799.5	1,783.2	1,783.0	5.4	33.8	41.31	676.3	-164.9	684.2	636.0	48.20	14.196		
1,850.0	1,849.1	1,832.9	1,832.7	5.4	35.0	41.68	676.3	-164.9	680.0	630.1	49.86	13.636		
1,900.0	1,898.8	1,882.5	1,882.3	5.5	36.2	42.02	676.3	-164.9	675.4	623.9	51.53	13.106		
2,000.0	1,998.0	1,984.6	1,984.4	5.7	38.7	42.76	677.6	-164.9	667.6	612.6	55.00	12.138		
2,100.0	2,097.3	2,087.9	2,087.7	6.0	41.2	43.49	676.8	-164.9	657.9	599.4	58.52	11.242		
2,200.0	2,196.5	2,180.4	2,180.1	6.3	43.5	44.17	676.3	-164.9	648.6	586.8	61.79	10.496		
2,300.0	2,295.8	2,281.1	2,280.7	6.6	46.1	44.96	677.3	-164.9	640.9	575.4	65.44	9.793		
2,400.0	2,395.0	2,388.1	2,387.7	6.9	48.9	45.78	676.4	-164.9	631.5	562.1	69.32	9.110		
2,500.0	2,494.3	2,478.3	2,477.8	7.2	51.3	46.51	676.3	-164.9	622.8	550.1	72.75	8.561		
2,600.0	2,593.5	2,586.3	2,585.8	7.5	54.3	47.40	676.4	-164.9	614.6	537.8	76.85	7.998		
2,700.0	2,692.8	2,681.3	2,680.7	7.8	56.9	48.21	676.7	-164.9	606.7	526.2	80.50	7.536		
2,800.0	2,792.0	2,779.3	2,778.6	8.2	59.5	49.07	676.6	-164.9	598.4	514.3	84.11	7.115		
2,900.0	2,891.3	2,875.9	2,875.2	8.5	61.8	49.93	676.7	-164.9	590.6	503.2	87.41	6.756		
3,000.0	2,990.6	2,974.8	2,974.1	8.9	64.0	50.84	676.3	-164.9	582.4	491.9	90.51	6.435		
3,100.0	3,089.8	3,074.1	3,073.3	9.2	66.0	51.78	676.3	-164.9	574.7	481.4	93.29	6.160		
3,200.0	3,189.1	3,173.3	3,172.6	9.6	68.0	52.74	676.3	-164.9	567.2	471.1	96.08	5.904		
3,300.0	3,288.3	3,274.9	3,274.1	10.0	70.1	53.75	677.5	-164.9	561.1	462.1	98.93	5.671		
3,400.0	3,387.6	3,376.6	3,375.8	10.4	72.1	54.79	676.8	-164.9	553.3	451.5	101.79	5.436		
3,500.0	3,486.8	3,471.2	3,470.4	10.7	73.9	55.78	676.3	-164.9	545.8	441.5	104.25	5.235		
3,600.0	3,586.1	3,570.4	3,569.6	11.1	75.5	56.85	676.3	-164.9	539.0	432.4	106.55	5.058		
3,700.0	3,685.3	3,669.7	3,668.9	11.5	77.1	57.94	676.3	-164.9	532.4	423.5	108.85	4.891		
3,800.0	3,784.6	3,769.8	3,769.0	11.9	78.8	59.07	676.8	-164.9	526.4	415.3	111.16	4.736		
3,900.0	3,883.8	3,869.9	3,869.1	12.3	80.4	60.22	676.5	-164.9	520.0	406.5	113.47	4.582		
4,000.0	3,983.1	3,967.4	3,966.6	12.7	82.0	61.38	676.3	-164.9	513.8	398.1	115.70	4.441		
4,100.0	4,082.4	4,066.7	4,065.9	13.1	83.6	62.58	676.3	-164.9	508.0	390.1	117.91	4.308		
4,200.0	4,181.6	4,166.0	4,165.1	13.5	85.2	63.80	676.3	-164.9	502.5	382.4	120.12	4.183		
4,300.0	4,280.9	4,265.6	4,264.8	13.9	86.8	65.06	676.5	-164.9	497.4	375.1	122.35	4.066		
4,400.0	4,380.1	4,365.3	4,364.5	14.2	88.4	66.34	676.4	-164.9	492.3	367.7	124.57	3.952		
4,500.0	4,479.4	4,463.7	4,462.9	14.6	90.0	67.64	676.3	-164.9	487.4	360.5	126.82	3.843		
4,600.0	4,578.6	4,563.0	4,562.2	15.0	91.7	68.97	676.3	-164.9	482.8	353.6	129.17	3.738		
4,700.0	4,677.9	4,662.2	4,661.4	15.4	93.4	70.32	676.3	-164.9	478.6	347.0	131.53	3.638		
4,800.0	4,777.1	4,761.8	4,761.0	15.9	95.1	71.69	676.5	-164.9	474.8	340.9	133.90	3.546		

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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 A FEDERAL #1 (P&A) - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 362-INC-ONLY													Offset Well Error: 10.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,900.0	4,876.4	4,861.5	4,860.7	16.3	96.8	73.10	676.4	-164.9	471.0	334.7	136.26	3.456	
5,000.0	4,975.7	4,960.0	4,959.2	16.7	98.5	74.52	676.3	-164.9	467.4	328.8	138.65	3.371	
5,100.0	5,074.9	5,059.3	5,058.4	17.1	100.3	75.96	676.3	-164.9	464.3	323.2	141.13	3.290	
5,200.0	5,174.2	5,158.5	5,157.7	17.5	102.1	77.41	676.3	-164.9	461.5	317.9	143.62	3.213	
5,300.0	5,273.4	5,258.4	5,257.6	17.9	103.9	78.87	676.8	-164.9	459.4	313.3	146.12	3.144	
5,400.0	5,372.7	5,358.4	5,357.5	18.3	105.7	80.38	676.5	-164.9	457.0	308.3	148.62	3.075	
5,439.6	5,412.0	5,398.0	5,397.2	18.4	106.4	80.99	676.4	-164.9	456.0	306.4	149.61	3.048	
5,500.0	5,472.0	5,456.3	5,455.5	18.7	107.4	81.83	676.3	-164.9	454.9	303.8	151.07	3.011	
5,600.0	5,571.4	5,555.8	5,555.0	19.1	109.2	83.09	676.3	-164.9	453.5	300.0	153.58	2.953	
5,700.0	5,671.1	5,655.4	5,654.6	19.4	111.0	84.15	676.3	-164.9	452.6	296.5	156.09	2.900	
5,800.0	5,770.8	5,755.9	5,755.0	19.8	112.8	84.98	676.7	-164.9	452.3	293.7	158.62	2.852	
5,900.0	5,870.7	5,856.5	5,855.6	20.1	114.6	85.63	676.5	-164.9	451.7	290.5	161.15	2.803	
6,000.0	5,970.6	5,955.0	5,954.2	20.4	116.5	86.05	676.3	-164.9	451.3	287.6	163.70	2.757	
6,100.0	6,070.6	6,055.0	6,054.2	20.7	118.4	86.25	676.3	-164.9	451.2	284.9	166.33	2.713	
6,139.6	6,110.3	6,094.7	6,093.8	20.7	119.1	32.27	676.3	-164.9	451.2	283.8	167.37	2.696	
6,200.0	6,170.6	6,155.1	6,154.3	20.8	120.2	32.23	676.8	-164.9	451.6	282.7	168.96	2.673	
6,300.0	6,270.6	6,255.9	6,255.0	20.8	122.2	32.24	676.7	-164.9	451.5	279.9	171.61	2.631	
6,400.0	6,370.6	6,356.6	6,355.7	20.8	124.1	32.26	676.4	-164.9	451.3	277.0	174.26	2.589	
6,459.6	6,430.2	6,414.6	6,413.7	20.9	125.2	32.27	676.3	-164.9	451.2	275.3	175.83	2.566	
6,500.0	6,470.6	6,455.1	6,454.2	20.9	126.0	32.27	676.3	-164.9	451.2	274.2	176.94	2.550	
6,600.0	6,570.6	6,555.1	6,554.2	20.9	127.9	32.27	676.3	-164.9	451.2	271.5	179.68	2.511	
6,700.0	6,670.6	6,655.1	6,654.2	21.0	129.9	32.27	676.3	-164.9	451.2	268.8	182.42	2.473	
6,800.0	6,770.6	6,755.1	6,754.2	21.0	131.9	32.27	676.3	-164.9	451.2	266.0	185.16	2.437	
6,900.0	6,870.6	6,855.1	6,854.2	21.1	133.8	32.27	676.3	-164.9	451.2	263.3	187.89	2.401	
6,910.0	6,880.6	6,865.1	6,864.2	21.1	134.0	32.27	676.3	-164.9	451.2	263.0	188.17	2.398	CC, ES, SF
7,000.0	6,970.6	6,903.0	6,902.1	21.1	134.8	32.27	676.3	-164.9	454.2	266.2	188.01	2.416	
7,100.0	7,070.6	6,903.0	6,902.1	21.2	134.8	32.27	676.3	-164.9	476.1	296.5	179.67	2.650	
7,200.0	7,170.6	6,903.0	6,902.1	21.2	134.8	32.27	676.3	-164.9	516.8	350.7	166.12	3.111	
7,300.0	7,270.6	6,903.0	6,902.1	21.3	134.8	32.27	676.3	-164.9	572.3	421.5	150.83	3.794	
7,400.0	7,370.6	6,903.0	6,902.1	21.3	134.8	32.27	676.3	-164.9	638.7	502.6	136.12	4.692	
7,500.0	7,470.6	6,903.0	6,902.1	21.3	134.8	32.27	676.3	-164.9	713.0	590.0	123.02	5.796	
7,600.0	7,570.6	6,903.0	6,902.1	21.4	134.8	32.27	676.3	-164.9	793.0	681.2	111.78	7.094	
7,700.0	7,670.6	6,903.0	6,902.1	21.4	134.8	32.27	676.3	-164.9	877.1	774.8	102.29	8.574	
7,800.0	7,770.6	6,903.0	6,902.1	21.5	134.8	32.27	676.3	-164.9	964.2	869.9	94.32	10.223	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	10.0	93.25	-27.7	488.1	489.2					
100.0	100.0	82.5	82.5	3.0	10.0	93.25	-27.7	488.1	488.9	473.8	15.14	32.301		
200.0	200.0	182.5	182.5	3.2	10.2	93.25	-27.7	488.1	488.9	473.5	15.35	31.854		
300.0	300.0	282.5	282.5	3.3	10.4	93.25	-27.7	488.1	488.9	473.2	15.68	31.186		
400.0	400.0	382.5	382.5	3.4	10.7	93.25	-27.7	488.1	488.9	472.8	16.11	30.339		
500.0	500.0	482.5	482.5	3.5	11.0	93.25	-27.7	488.1	488.9	472.2	16.65	29.359		
600.0	600.0	582.5	582.5	3.7	12.0	93.25	-27.7	488.1	488.9	470.9	17.98	27.197		
700.0	700.0	682.5	682.5	3.8	13.2	93.25	-27.7	488.1	488.9	469.2	19.67	24.851		
754.0	754.0	736.5	736.5	3.9	14.0	93.16	-26.9	488.1	488.8	468.1	20.70	23.619		
800.0	800.0	782.5	782.5	3.9	14.6	93.16	-27.0	488.1	488.8	467.2	21.62	22.611		
900.0	900.0	882.5	882.4	4.0	16.2	93.19	-27.2	488.1	488.9	465.1	23.75	20.581		
1,000.0	1,000.0	982.4	982.4	4.2	17.8	93.25	-27.7	488.1	488.9	462.9	26.03	18.784		
1,100.0	1,100.0	1,082.6	1,082.5	4.3	19.6	93.25	-27.7	488.1	488.9	460.4	28.50	17.151		
1,125.8	1,125.8	1,108.4	1,108.3	4.3	20.1	93.19	-27.2	488.1	488.9	459.7	29.16	16.766		
1,200.0	1,200.0	1,182.4	1,182.4	4.4	21.5	93.23	-27.5	488.1	488.9	457.8	31.06	15.739		
1,300.0	1,300.0	1,282.6	1,282.5	4.5	23.5	93.25	-27.7	488.1	488.9	455.0	33.84	14.447		
1,400.0	1,400.0	1,382.6	1,382.5	4.6	25.6	93.25	-27.7	488.1	488.9	452.1	36.74	13.307		
1,461.7	1,461.7	1,444.4	1,444.3	4.7	26.9	93.14	-26.8	488.1	488.8	450.3	38.55	12.679 CC		
1,500.0	1,500.0	1,482.6	1,482.5	4.8	27.7	93.14	-26.8	488.1	488.8	449.1	39.68	12.318		
1,600.0	1,600.0	1,582.5	1,582.4	4.9	29.9	147.28	-27.1	488.1	490.3	447.6	42.68	11.488 ES		
1,700.0	1,699.8	1,682.6	1,682.4	5.1	32.1	147.63	-27.7	488.1	494.8	449.0	45.79	10.804		
1,800.0	1,799.5	1,782.2	1,782.0	5.4	34.6	148.08	-27.7	488.1	502.2	452.8	49.36	10.173		
1,850.0	1,849.1	1,831.9	1,831.7	5.4	35.9	148.37	-27.7	488.1	507.0	455.8	51.14	9.914		
1,900.0	1,898.8	1,881.5	1,881.3	5.5	37.2	148.72	-27.7	488.1	512.2	459.3	52.92	9.678		
2,000.0	1,998.0	1,980.6	1,980.4	5.7	39.8	149.25	-26.2	488.1	522.5	466.0	56.51	9.247		
2,100.0	2,097.3	2,079.6	2,079.3	6.0	42.3	149.98	-26.8	488.1	533.1	473.0	60.11	8.868		
2,200.0	2,196.5	2,179.5	2,179.1	6.3	45.0	150.72	-27.7	488.1	543.8	480.0	63.77	8.527		
2,300.0	2,295.8	2,278.8	2,278.3	6.6	47.6	151.34	-27.7	488.1	554.5	487.0	67.47	8.219		
2,400.0	2,395.0	2,378.0	2,377.6	6.9	50.2	151.93	-27.7	488.1	565.2	494.1	71.17	7.943		
2,500.0	2,494.3	2,476.9	2,476.4	7.2	52.9	152.30	-25.8	488.1	575.8	500.9	74.86	7.691		
2,600.0	2,593.5	2,575.6	2,575.0	7.5	55.5	152.93	-26.6	488.1	586.7	508.2	78.56	7.468		
2,700.0	2,692.8	2,676.0	2,675.3	7.8	58.2	153.57	-27.7	488.1	597.8	515.5	82.34	7.260		
2,800.0	2,792.0	2,775.3	2,774.6	8.2	60.9	154.08	-27.7	488.1	608.8	522.7	86.10	7.071		
2,900.0	2,891.3	2,874.5	2,873.8	8.5	63.5	154.58	-27.7	488.1	619.8	529.9	89.86	6.897		
3,000.0	2,990.6	2,973.5	2,972.7	8.9	66.2	154.90	-26.1	488.1	630.5	536.9	93.61	6.735		
3,100.0	3,089.8	3,072.1	3,071.4	9.2	68.9	155.40	-26.6	488.1	641.7	544.3	97.36	6.591		
3,200.0	3,189.1	3,170.7	3,170.0	9.6	71.5	155.93	-27.6	488.1	653.0	551.9	101.11	6.458		
3,300.0	3,288.3	3,271.8	3,270.9	10.0	74.9	156.38	-27.7	488.1	664.2	558.4	105.78	6.279		
3,400.0	3,387.6	3,371.0	3,370.1	10.4	78.2	156.79	-27.7	488.1	675.4	564.9	110.47	6.114		
3,500.0	3,486.8	3,469.8	3,468.9	10.7	81.5	157.02	-25.7	488.1	686.1	571.0	115.14	5.959		
3,600.0	3,586.1	3,568.0	3,567.0	11.1	84.8	157.46	-26.3	488.1	697.5	577.7	119.78	5.823		
3,700.0	3,685.3	3,666.1	3,665.1	11.5	88.1	157.94	-27.6	488.1	709.1	584.7	124.43	5.699		
3,800.0	3,784.6	3,768.6	3,767.1	11.9	92.0	158.32	-27.7	488.1	720.5	590.6	129.87	5.548		
3,900.0	3,883.8	3,867.9	3,866.4	12.3	95.8	158.67	-27.7	488.1	731.8	596.7	135.12	5.416		
4,000.0	3,983.1	3,967.1	3,965.6	12.7	99.5	159.01	-27.7	488.1	743.2	602.8	140.37	5.295		
4,100.0	4,082.4	4,065.7	4,064.1	13.1	103.2	159.07	-24.1	488.1	753.6	608.0	145.58	5.177		
4,200.0	4,181.6	4,163.3	4,161.6	13.5	106.9	159.45	-24.9	488.1	765.3	614.5	150.74	5.077		
4,300.0	4,280.9	4,260.8	4,259.1	13.9	110.6	159.88	-26.5	488.1	777.1	621.2	155.91	4.985		
4,400.0	4,380.1	4,364.9	4,362.7	14.2	114.5	160.28	-27.7	488.1	788.9	627.6	161.35	4.890 SF		
4,500.0	4,479.4	4,368.0	4,365.7	14.6	114.6	160.29	-27.7	488.1	806.2	645.8	160.43	5.025		
4,600.0	4,578.6	4,368.0	4,365.7	15.0	114.6	160.29	-27.7	488.1	835.1	677.9	157.20	5.313		
4,700.0	4,677.9	4,368.0	4,365.7	15.4	114.6	160.29	-27.7	488.1	874.6	722.2	152.38	5.740		

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - CONOCO FEDERAL #2 - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 490-INC-ONLY													Offset Well Error:	10.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,777.1	4,368.0	4,365.7	15.9	114.6	160.29	-27.7	488.1	923.3	776.7	146.56	6.300		
4,900.0	4,876.4	4,368.0	4,365.7	16.3	114.6	160.29	-27.7	488.1	979.8	839.6	140.22	6.987		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-0.29	200.1	-1.0	200.1				
100.0	100.0	97.4	97.4	3.0	3.0	-0.29	200.1	-1.0	200.1	193.6	6.52	30.686	
200.0	200.0	197.4	197.4	3.2	3.2	-0.29	200.1	-1.0	200.1	193.3	6.77	29.563	
300.0	300.0	297.4	297.4	3.3	3.3	-0.29	200.1	-1.0	200.1	193.1	7.02	28.519	
400.0	400.0	397.4	397.4	3.4	3.4	-0.29	200.1	-1.0	200.1	192.8	7.26	27.554	
500.0	500.0	497.4	497.4	3.5	3.5	-0.29	200.1	-1.0	200.1	192.6	7.50	26.659	
600.0	600.0	597.4	597.4	3.7	3.7	-0.29	200.1	-1.0	200.1	192.3	7.75	25.825	
700.0	700.0	697.4	697.4	3.8	3.8	-0.29	200.1	-1.0	200.1	192.1	7.99	25.046	
800.0	800.0	797.4	797.4	3.9	3.9	-0.29	200.1	-1.0	200.1	191.8	8.23	24.316	
900.0	900.0	897.4	897.4	4.0	4.0	-0.29	200.1	-1.0	200.1	191.6	8.47	23.631	
1,000.0	1,000.0	997.4	997.4	4.2	4.2	-0.29	200.1	-1.0	200.1	191.4	8.70	22.986	
1,100.0	1,100.0	1,097.4	1,097.4	4.3	4.3	-0.29	200.1	-1.0	200.1	191.1	8.94	22.377	
1,200.0	1,200.0	1,197.4	1,197.4	4.4	4.4	-0.29	200.1	-1.0	200.1	190.9	9.18	21.802	
1,300.0	1,300.0	1,297.4	1,297.4	4.5	4.5	-0.29	200.1	-1.0	200.1	190.7	9.41	21.257	
1,400.0	1,400.0	1,397.4	1,397.4	4.6	4.6	-0.29	200.1	-1.0	200.1	190.4	9.65	20.741	
1,500.0	1,500.0	1,497.4	1,497.4	4.8	4.7	-0.29	200.1	-1.0	200.1	190.2	9.88	20.250	
1,600.0	1,600.0	1,594.9	1,594.9	4.9	4.9	53.69	200.7	-2.5	199.7	189.5	10.12	19.733	
1,700.0	1,699.8	1,692.3	1,692.2	5.1	5.0	53.59	202.5	-7.0	198.5	188.0	10.46	18.970	
1,800.0	1,799.5	1,789.7	1,789.2	5.4	5.3	53.41	205.6	-14.6	196.5	185.7	10.81	18.169	
1,850.0	1,849.1	1,838.4	1,837.6	5.4	5.4	53.28	207.5	-19.5	195.2	184.3	10.94	17.844	
1,900.0	1,898.8	1,887.1	1,885.9	5.5	5.6	53.01	209.9	-25.2	194.0	182.9	11.07	17.526	
2,000.0	1,998.0	1,986.7	1,984.6	5.7	5.8	52.10	215.0	-38.1	192.1	180.7	11.42	16.820	
2,100.0	2,097.3	2,086.6	2,083.5	6.0	6.1	51.16	220.2	-51.0	190.3	178.5	11.79	16.137	
2,200.0	2,196.5	2,186.6	2,182.5	6.3	6.3	50.20	225.5	-63.9	188.6	176.4	12.18	15.476	
2,300.0	2,295.8	2,286.5	2,281.5	6.6	6.6	49.23	230.7	-76.8	186.9	174.3	12.60	14.836	
2,400.0	2,395.0	2,386.4	2,380.4	6.9	6.9	48.24	235.9	-89.7	185.2	172.2	13.03	14.217	
2,500.0	2,494.3	2,486.4	2,479.4	7.2	7.2	47.23	241.1	-102.5	183.6	170.1	13.48	13.621	
2,600.0	2,593.5	2,586.3	2,578.3	7.5	7.6	46.20	246.3	-115.4	182.1	168.1	13.96	13.046	
2,700.0	2,692.8	2,686.2	2,677.3	7.8	7.9	45.16	251.5	-128.3	180.6	166.1	14.46	12.494	
2,800.0	2,792.0	2,786.2	2,776.3	8.2	8.3	44.09	256.7	-141.2	179.2	164.2	14.98	11.964	
2,900.0	2,891.3	2,886.1	2,875.2	8.5	8.6	43.02	261.9	-154.1	177.8	162.3	15.52	11.456	
3,000.0	2,990.6	2,986.1	2,974.2	8.9	9.0	41.92	267.1	-167.0	176.5	160.5	16.09	10.970	
3,100.0	3,089.8	3,086.0	3,073.1	9.2	9.4	40.81	272.3	-179.9	175.3	158.6	16.69	10.506	
3,200.0	3,189.1	3,185.9	3,172.1	9.6	9.7	39.69	277.6	-192.8	174.2	156.9	17.31	10.064	
3,300.0	3,288.3	3,285.9	3,271.1	10.0	10.1	38.55	282.8	-205.7	173.1	155.1	17.95	9.643	
3,400.0	3,387.6	3,385.8	3,370.0	10.4	10.5	37.40	288.0	-218.6	172.1	153.4	18.61	9.244	
3,500.0	3,486.8	3,485.7	3,469.0	10.7	10.9	36.23	293.2	-231.5	171.1	151.8	19.30	8.865	
3,600.0	3,586.1	3,586.8	3,569.1	11.1	11.3	35.11	298.3	-244.3	170.0	150.0	19.98	8.510	
3,700.0	3,685.3	3,688.8	3,670.4	11.5	11.6	34.40	302.9	-255.6	167.9	147.3	20.65	8.132	
3,800.0	3,784.6	3,790.7	3,771.7	11.9	12.0	34.13	306.8	-265.3	164.7	143.4	21.27	7.741	
3,900.0	3,883.8	3,892.5	3,873.2	12.3	12.4	34.32	310.1	-273.3	160.2	138.4	21.82	7.341	
4,000.0	3,983.1	3,994.2	3,974.6	12.7	12.7	35.04	312.6	-279.6	154.6	132.3	22.29	6.936	
4,100.0	4,082.4	4,095.6	4,076.0	13.1	13.1	36.33	314.5	-284.2	147.9	125.2	22.64	6.531	
4,200.0	4,181.6	4,196.8	4,177.1	13.5	13.4	38.33	315.7	-287.2	140.1	117.3	22.84	6.134	
4,300.0	4,280.9	4,297.6	4,277.9	13.9	13.6	41.18	316.2	-288.5	131.5	108.7	22.84	5.758	
4,400.0	4,380.1	4,397.3	4,377.6	14.2	13.7	44.90	316.2	-288.5	122.6	100.1	22.57	5.434	
4,500.0	4,479.4	4,496.5	4,476.8	14.6	13.8	49.20	316.2	-288.5	114.3	92.1	22.18	5.153	
4,600.0	4,578.6	4,595.8	4,576.1	15.0	13.8	54.13	316.2	-288.5	106.7	85.0	21.65	4.927	
4,700.0	4,677.9	4,695.0	4,675.3	15.4	13.9	59.77	316.2	-288.5	100.0	79.0	21.01	4.759	
4,800.0	4,777.1	4,794.3	4,774.6	15.9	13.9	66.13	316.2	-288.5	94.4	74.1	20.32	4.647	
4,900.0	4,876.4	4,893.6	4,873.8	16.3	14.0	73.18	316.2	-288.5	90.1	70.4	19.71	4.573	
5,000.0	4,975.7	4,992.8	4,973.1	16.7	14.0	80.80	316.2	-288.5	87.4	68.0	19.38	4.508	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,074.9	5,092.1	5,072.3	17.1	14.1	88.76	316.2	-288.5	86.3	66.7	19.54	4.414	
5,115.5	5,090.3	5,107.4	5,087.7	17.1	14.1	90.00	316.2	-288.5	86.2	66.6	19.62	4.396 CC	
5,200.0	5,174.2	5,191.3	5,171.6	17.5	14.2	96.76	316.2	-288.5	86.8	66.6	20.27	4.284 ES	
5,300.0	5,273.4	5,290.6	5,270.8	17.9	14.2	104.51	316.2	-288.5	89.1	67.6	21.51	4.143	
5,400.0	5,372.7	5,389.8	5,370.1	18.3	14.3	111.76	316.2	-288.5	92.9	69.9	23.06	4.031	
5,439.6	5,412.0	5,429.2	5,409.4	18.4	14.3	114.45	316.2	-288.5	94.9	71.2	23.69	4.003	
5,500.0	5,472.0	5,489.1	5,469.4	18.7	14.3	118.21	316.2	-288.5	98.0	73.3	24.65	3.976	
5,600.0	5,571.4	5,588.6	5,568.9	19.1	14.4	123.26	316.2	-288.5	103.3	77.2	26.07	3.961	
5,700.0	5,671.1	5,688.2	5,668.5	19.4	14.5	127.08	316.2	-288.5	108.2	81.0	27.25	3.971	
5,800.0	5,770.8	5,788.0	5,768.3	19.8	14.5	129.87	316.2	-288.5	112.4	84.2	28.21	3.986	
5,900.0	5,870.7	5,887.9	5,868.1	20.1	14.6	131.81	316.2	-288.5	115.7	86.8	28.96	3.996	
6,000.0	5,970.6	5,987.8	5,968.1	20.4	14.7	133.03	316.2	-288.5	118.0	88.4	29.54	3.994	
6,100.0	6,070.6	6,087.8	6,068.1	20.7	14.7	133.58	316.2	-288.5	119.1	89.1	29.93	3.978	
6,139.6	6,110.3	6,127.4	6,107.7	20.7	14.7	79.63	316.2	-288.5	119.1	89.1	30.00	3.972	
6,200.0	6,170.6	6,187.8	6,168.1	20.8	14.8	79.63	316.2	-288.5	119.1	89.1	30.06	3.964	
6,300.0	6,270.6	6,287.8	6,268.1	20.8	14.8	79.63	316.2	-288.5	119.1	89.0	30.18	3.948	
6,400.0	6,370.6	6,387.8	6,368.1	20.8	14.9	79.63	316.2	-288.5	119.1	88.8	30.30	3.933	
6,500.0	6,470.6	6,487.8	6,468.1	20.9	15.0	79.63	316.2	-288.5	119.1	88.7	30.42	3.917	
6,600.0	6,570.6	6,587.8	6,568.1	20.9	15.0	79.63	316.2	-288.5	119.1	88.6	30.54	3.901	
6,700.0	6,670.6	6,687.8	6,668.1	21.0	15.1	79.63	316.2	-288.5	119.1	88.5	30.66	3.886	
6,800.0	6,770.6	6,787.8	6,768.1	21.0	15.2	79.63	316.2	-288.5	119.1	88.4	30.78	3.871	
6,900.0	6,870.6	6,887.8	6,868.1	21.1	15.2	79.63	316.2	-288.5	119.1	88.2	30.90	3.855	
7,000.0	6,970.6	6,987.8	6,968.1	21.1	15.3	79.63	316.2	-288.5	119.1	88.1	31.03	3.840	
7,100.0	7,070.6	7,087.8	7,068.1	21.2	15.3	79.63	316.2	-288.5	119.1	88.0	31.15	3.825	
7,200.0	7,170.6	7,187.8	7,168.1	21.2	15.4	79.63	316.2	-288.5	119.1	87.9	31.27	3.810	
7,300.0	7,270.6	7,287.8	7,268.1	21.3	15.5	79.63	316.2	-288.5	119.1	87.7	31.40	3.795	
7,400.0	7,370.6	7,387.8	7,368.1	21.3	15.5	79.63	316.2	-288.5	119.1	87.6	31.52	3.780	
7,500.0	7,470.6	7,487.8	7,468.1	21.3	15.6	79.63	316.2	-288.5	119.1	87.5	31.65	3.765	
7,600.0	7,570.6	7,587.8	7,568.1	21.4	15.7	79.63	316.2	-288.5	119.1	87.4	31.77	3.750	
7,700.0	7,670.6	7,687.8	7,668.1	21.4	15.7	79.63	316.2	-288.5	119.1	87.3	31.90	3.736	
7,800.0	7,770.6	7,787.8	7,768.1	21.5	15.8	79.63	316.2	-288.5	119.1	87.1	32.02	3.721	
7,900.0	7,870.6	7,887.8	7,868.1	21.5	15.9	79.63	316.2	-288.5	119.1	87.0	32.15	3.706	
8,000.0	7,970.6	7,987.8	7,968.1	21.6	15.9	79.63	316.2	-288.5	119.1	86.9	32.27	3.692	
8,100.0	8,070.6	8,087.8	8,068.1	21.6	16.0	79.63	316.2	-288.5	119.1	86.7	32.40	3.678	
8,200.0	8,170.6	8,187.8	8,168.1	21.7	16.1	79.63	316.2	-288.5	119.1	86.6	32.52	3.663	
8,300.0	8,270.6	8,287.8	8,268.1	21.7	16.1	79.63	316.2	-288.5	119.1	86.5	32.65	3.649	
8,400.0	8,370.6	8,387.8	8,368.1	21.8	16.2	79.63	316.2	-288.5	119.1	86.4	32.78	3.635	
8,500.0	8,470.6	8,487.8	8,468.1	21.8	16.3	79.63	316.2	-288.5	119.1	86.2	32.91	3.621	
8,600.0	8,570.6	8,587.8	8,568.1	21.9	16.3	79.63	316.2	-288.5	119.1	86.1	33.03	3.607	
8,700.0	8,670.6	8,687.8	8,668.1	21.9	16.4	79.63	316.2	-288.5	119.1	86.0	33.16	3.593	
8,800.0	8,770.6	8,787.8	8,768.1	22.0	16.5	79.63	316.2	-288.5	119.1	85.9	33.29	3.579	
8,900.0	8,870.6	8,887.8	8,868.1	22.0	16.5	79.63	316.2	-288.5	119.1	85.7	33.42	3.565	
9,000.0	8,970.6	8,987.8	8,968.1	22.1	16.6	79.63	316.2	-288.5	119.1	85.6	33.55	3.551	
9,100.0	9,070.6	9,087.8	9,068.1	22.1	16.7	79.63	316.2	-288.5	119.1	85.5	33.68	3.538	
9,200.0	9,170.6	9,187.8	9,168.1	22.2	16.7	79.63	316.2	-288.5	119.1	85.3	33.81	3.524	
9,300.0	9,270.6	9,287.8	9,268.1	22.2	16.8	79.63	316.2	-288.5	119.1	85.2	33.94	3.511	
9,400.0	9,370.6	9,387.8	9,368.1	22.3	16.9	79.63	316.2	-288.5	119.1	85.1	34.07	3.497	
9,500.0	9,470.6	9,487.8	9,468.1	22.3	16.9	79.63	316.2	-288.5	119.1	84.9	34.20	3.484	
9,600.0	9,570.6	9,587.8	9,568.1	22.4	17.0	79.63	316.2	-288.5	119.1	84.8	34.33	3.471	
9,700.0	9,670.6	9,687.8	9,668.1	22.4	17.1	79.63	316.2	-288.5	119.1	84.7	34.46	3.458	
9,800.0	9,770.6	9,787.8	9,768.1	22.5	17.1	79.63	316.2	-288.5	119.1	84.6	34.59	3.445	
9,900.0	9,870.6	9,887.8	9,868.1	22.5	17.2	79.63	316.2	-288.5	119.1	84.4	34.72	3.432	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	
10,000.0	9,970.6	9,987.8	9,968.1	22.6	17.3	79.63	316.2	-288.5	119.1	84.3	34.85	3.419		
10,100.0	10,070.6	10,087.8	10,068.1	22.6	17.3	79.63	316.2	-288.5	119.1	84.2	34.98	3.406		
10,200.0	10,170.6	10,187.8	10,168.1	22.7	17.4	79.63	316.2	-288.5	119.1	84.0	35.12	3.393		
10,300.0	10,270.6	10,287.8	10,268.1	22.7	17.5	79.63	316.2	-288.5	119.1	83.9	35.25	3.380		
10,400.0	10,370.6	10,387.8	10,368.1	22.8	17.5	79.63	316.2	-288.5	119.1	83.8	35.38	3.367		
10,500.0	10,470.6	10,487.8	10,468.1	22.8	17.6	79.63	316.2	-288.5	119.1	83.6	35.51	3.355		
10,600.0	10,570.6	10,587.8	10,568.1	22.9	17.7	79.63	316.2	-288.5	119.1	83.5	35.65	3.342		
10,700.0	10,670.6	10,687.8	10,668.1	22.9	17.7	79.63	316.2	-288.5	119.1	83.4	35.78	3.330		
10,800.0	10,770.6	10,787.8	10,768.1	23.0	17.8	79.63	316.2	-288.5	119.1	83.2	35.91	3.318		
10,900.0	10,870.6	10,887.8	10,868.1	23.0	17.9	79.63	316.2	-288.5	119.1	83.1	36.05	3.305		
11,000.0	10,970.6	10,987.8	10,968.1	23.1	18.0	79.63	316.2	-288.5	119.1	83.0	36.18	3.293		
11,100.0	11,070.6	11,087.8	11,068.1	23.2	18.0	79.63	316.2	-288.5	119.1	82.8	36.32	3.281		
11,161.4	11,132.0	11,149.2	11,129.5	23.2	18.0	79.63	316.2	-288.5	119.1	82.8	36.37	3.276 SF		
11,200.0	11,170.6	11,186.3	11,166.5	23.2	18.1	-101.08	317.4	-288.5	119.6	83.5	36.14	3.310		
11,250.0	11,220.3	11,232.8	11,212.8	23.2	18.1	-105.41	322.2	-288.6	122.1	86.9	35.20	3.470		
11,300.0	11,269.3	11,275.9	11,255.2	23.3	18.1	-111.79	330.1	-288.6	128.6	94.8	33.82	3.802		
11,350.0	11,317.2	11,314.4	11,292.4	23.3	18.1	-118.49	339.7	-288.6	141.1	108.4	32.63	4.323		
11,400.0	11,363.8	11,350.0	11,326.2	23.3	18.1	-124.66	350.9	-288.7	160.9	128.8	32.09	5.015		
11,450.0	11,408.6	11,375.1	11,349.6	23.3	18.1	-127.92	360.0	-288.7	188.1	155.4	32.64	5.762		
11,500.0	11,451.3	11,400.0	11,372.4	23.4	18.1	-130.40	370.0	-288.7	221.6	188.2	33.36	6.642		
11,550.0	11,491.5	11,414.5	11,385.4	23.4	18.2	-129.43	376.3	-288.7	260.0	225.5	34.48	7.541		
11,600.0	11,529.0	11,427.2	11,396.7	23.4	18.2	-126.74	382.1	-288.8	302.2	266.9	35.37	8.545		
11,650.0	11,563.5	11,435.9	11,404.4	23.5	18.2	-121.02	386.2	-288.8	347.1	311.0	36.12	9.610		
11,700.0	11,594.7	11,450.0	11,416.7	23.5	18.2	-114.85	393.1	-288.8	394.0	357.6	36.42	10.818		
11,750.0	11,622.4	11,450.0	11,416.7	23.5	18.2	-99.49	393.1	-288.8	441.7	404.8	36.97	11.947		
11,800.0	11,646.4	11,450.0	11,416.7	23.6	18.2	-80.50	393.1	-288.8	490.1	452.8	37.32	13.134		
11,850.0	11,666.4	11,450.0	11,416.7	23.6	18.2	-61.74	393.1	-288.8	538.6	501.1	37.50	14.364		
11,900.0	11,682.4	11,435.9	11,404.5	23.7	18.2	-43.40	386.2	-288.8	586.5	548.7	37.86	15.493		
11,950.0	11,694.2	11,429.8	11,399.0	23.7	18.2	-33.03	383.3	-288.8	634.0	596.1	37.92	16.721		
12,000.0	11,701.7	11,422.1	11,392.3	23.8	18.2	-25.96	379.8	-288.8	680.5	642.6	37.91	17.950		
12,050.0	11,704.9	11,400.0	11,372.4	23.8	18.1	-20.33	370.0	-288.7	726.1	688.0	38.08	19.068		
12,061.4	11,705.0	11,400.0	11,372.4	23.8	18.1	-19.60	370.0	-288.7	736.1	698.1	38.01	19.367		
12,100.0	11,705.0	11,400.0	11,372.4	23.9	18.1	-19.60	370.0	-288.7	770.3	732.5	37.81	20.374		
12,200.0	11,705.0	11,400.0	11,372.4	24.0	18.1	-19.60	370.0	-288.7	860.5	823.1	37.40	23.009		
12,300.0	11,705.0	11,371.3	11,346.1	24.1	18.1	-18.25	358.5	-288.7	951.6	914.2	37.45	25.411		

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	8.23	200.0	28.9	202.1				
100.0	100.0	97.2	97.2	3.0	3.0	8.23	200.0	28.9	202.1	195.6	6.52	30.994	
200.0	200.0	197.2	197.2	3.2	3.2	8.23	200.0	28.9	202.1	195.3	6.77	29.862	
300.0	300.0	297.2	297.2	3.3	3.3	8.23	200.0	28.9	202.1	195.1	7.01	28.808	
400.0	400.0	397.2	397.2	3.4	3.4	8.23	200.0	28.9	202.1	194.8	7.26	27.835	
500.0	500.0	497.2	497.2	3.5	3.5	8.23	200.0	28.9	202.1	194.6	7.50	26.933	
600.0	600.0	597.2	597.2	3.7	3.7	8.23	200.0	28.9	202.1	194.3	7.74	26.092	
700.0	700.0	697.2	697.2	3.8	3.8	8.23	200.0	28.9	202.1	194.1	7.98	25.307	
800.0	800.0	797.2	797.2	3.9	3.9	8.23	200.0	28.9	202.1	193.8	8.22	24.572	
900.0	900.0	897.2	897.2	4.0	4.0	8.23	200.0	28.9	202.1	193.6	8.46	23.881	
1,000.0	1,000.0	997.2	997.2	4.2	4.2	8.23	200.0	28.9	202.1	193.4	8.70	23.232	
1,100.0	1,100.0	1,097.2	1,097.2	4.3	4.3	8.23	200.0	28.9	202.1	193.1	8.93	22.619	
1,200.0	1,200.0	1,197.2	1,197.2	4.4	4.4	8.23	200.0	28.9	202.1	192.9	9.17	22.040	
1,300.0	1,300.0	1,297.2	1,297.2	4.5	4.5	8.23	200.0	28.9	202.1	192.7	9.40	21.491	
1,400.0	1,400.0	1,397.2	1,397.2	4.6	4.6	8.23	200.0	28.9	202.1	192.4	9.64	20.971	
1,500.0	1,500.0	1,497.2	1,497.2	4.8	4.7	8.23	200.0	28.9	202.1	192.2	9.87	20.477 CC, ES	
1,600.0	1,600.0	1,591.9	1,591.9	4.9	4.9	62.88	201.0	30.0	202.5	192.4	10.13	19.990	
1,700.0	1,699.8	1,686.0	1,685.9	5.1	5.1	64.82	204.3	33.1	204.3	193.8	10.50	19.460	
1,800.0	1,799.5	1,781.3	1,780.9	5.4	5.2	67.98	209.8	38.4	207.6	196.8	10.75	19.306	
1,850.0	1,849.1	1,830.8	1,830.1	5.4	5.3	69.95	212.9	41.4	209.4	198.5	10.86	19.288	
1,900.0	1,898.8	1,880.1	1,879.3	5.5	5.4	72.03	216.0	44.4	211.3	200.3	10.98	19.248	
2,000.0	1,998.0	1,978.9	1,977.7	5.7	5.6	76.06	222.2	50.4	216.0	204.7	11.32	19.085	
2,100.0	2,097.3	2,077.6	2,076.0	6.0	5.9	79.90	228.4	56.3	221.7	210.1	11.68	18.990	
2,200.0	2,196.5	2,176.3	2,174.4	6.3	6.1	83.54	234.6	62.3	228.4	216.4	12.05	18.952	
2,300.0	2,295.8	2,275.1	2,272.7	6.6	6.4	86.97	240.7	68.3	236.0	223.6	12.45	18.960	
2,400.0	2,395.0	2,373.8	2,371.1	6.9	6.7	90.17	246.9	74.3	244.4	231.5	12.86	19.003	
2,500.0	2,494.3	2,472.5	2,469.4	7.2	6.9	93.16	253.1	80.3	253.5	240.2	13.29	19.073	
2,600.0	2,593.5	2,571.2	2,567.8	7.5	7.2	95.93	259.3	86.2	263.2	249.5	13.74	19.163	
2,700.0	2,692.8	2,670.0	2,666.1	7.8	7.5	98.51	265.5	92.2	273.5	259.3	14.20	19.268	
2,800.0	2,792.0	2,768.7	2,764.5	8.2	7.9	100.90	271.7	98.2	284.4	269.7	14.67	19.383	
2,900.0	2,891.3	2,867.4	2,862.9	8.5	8.2	103.11	277.9	104.2	295.7	280.5	15.16	19.504	
3,000.0	2,990.6	2,967.7	2,962.8	8.9	8.5	105.19	284.1	110.2	307.3	291.7	15.63	19.663	
3,100.0	3,089.8	3,072.2	3,067.0	9.2	8.8	107.23	289.6	115.5	317.9	301.8	16.14	19.697	
3,200.0	3,189.1	3,177.1	3,171.7	9.6	9.1	109.21	293.7	119.5	327.2	310.5	16.66	19.637	
3,300.0	3,288.3	3,282.1	3,276.7	10.0	9.4	111.16	296.5	122.1	335.0	317.8	17.16	19.519	
3,400.0	3,387.6	3,387.3	3,381.9	10.4	9.7	113.09	297.8	123.4	341.4	323.7	17.63	19.364	
3,500.0	3,486.8	3,489.5	3,484.0	10.7	9.8	114.98	298.0	123.6	346.6	328.6	17.92	19.335	
3,600.0	3,586.1	3,588.7	3,583.3	11.1	9.9	116.77	298.0	123.6	351.9	333.7	18.22	19.310	
3,700.0	3,685.3	3,688.0	3,682.5	11.5	10.0	118.50	298.0	123.6	357.6	339.0	18.55	19.281	
3,800.0	3,784.6	3,787.3	3,781.8	11.9	10.0	120.18	298.0	123.6	363.6	344.7	18.89	19.252	
3,900.0	3,883.8	3,886.5	3,881.0	12.3	10.1	121.80	298.0	123.6	369.9	350.7	19.24	19.222	
4,000.0	3,983.1	3,985.8	3,980.3	12.7	10.2	123.37	298.0	123.6	376.5	356.9	19.62	19.190	
4,100.0	4,082.4	4,085.0	4,079.5	13.1	10.3	124.89	298.0	123.6	383.4	363.4	20.01	19.157	
4,200.0	4,181.6	4,184.3	4,178.8	13.5	10.4	126.35	298.0	123.6	390.5	370.1	20.42	19.122	
4,300.0	4,280.9	4,283.5	4,278.1	13.9	10.5	127.75	298.0	123.6	397.9	377.0	20.85	19.085	
4,400.0	4,380.1	4,382.8	4,377.3	14.2	10.5	129.11	298.0	123.6	405.5	384.2	21.29	19.046	
4,500.0	4,479.4	4,482.0	4,476.6	14.6	10.6	130.41	298.0	123.6	413.3	391.6	21.75	19.007	
4,600.0	4,578.6	4,581.3	4,575.8	15.0	10.7	131.67	298.0	123.6	421.4	399.2	22.22	18.967	
4,700.0	4,677.9	4,680.5	4,675.1	15.4	10.8	132.88	298.0	123.6	429.6	406.9	22.70	18.926	
4,800.0	4,777.1	4,779.8	4,774.3	15.9	10.9	134.04	298.0	123.6	438.0	414.8	23.19	18.885	
4,900.0	4,876.4	4,879.1	4,873.6	16.3	11.0	135.16	298.0	123.6	446.6	422.9	23.70	18.845	
5,000.0	4,975.7	4,978.3	4,972.8	16.7	11.0	136.24	298.0	123.6	455.4	431.2	24.21	18.806	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	
5,100.0	5,074.9	5,077.6	5,072.1	17.1	11.1	137.28	298.0	123.6	464.3	439.5	24.74	18.767		
5,200.0	5,174.2	5,176.8	5,171.3	17.5	11.2	138.28	298.0	123.6	473.3	448.1	25.27	18.729		
5,300.0	5,273.4	5,276.1	5,270.6	17.9	11.3	139.24	298.0	123.6	482.5	456.7	25.81	18.693		
5,400.0	5,372.7	5,375.3	5,369.9	18.3	11.4	140.16	298.0	123.6	491.8	465.5	26.36	18.658		
5,439.6	5,412.0	5,414.7	5,409.2	18.4	11.4	140.52	298.0	123.6	495.6	469.0	26.56	18.655		
5,500.0	5,472.0	5,474.6	5,469.2	18.7	11.5	141.06	298.0	123.6	501.0	474.2	26.88	18.640		
5,600.0	5,571.4	5,574.1	5,568.6	19.1	11.5	141.84	298.0	123.6	509.1	481.7	27.41	18.574		
5,700.0	5,671.1	5,673.7	5,668.3	19.4	11.6	142.46	298.0	123.6	515.8	487.9	27.91	18.481		
5,800.0	5,770.8	5,773.5	5,768.0	19.8	11.7	142.95	298.0	123.6	521.3	492.9	28.39	18.363		
5,900.0	5,870.7	5,873.4	5,867.9	20.1	11.8	143.31	298.0	123.6	525.3	496.5	28.83	18.224		
6,000.0	5,970.6	5,973.3	5,967.8	20.4	11.9	143.54	298.0	123.6	528.0	498.7	29.22	18.067		
6,100.0	6,070.6	6,073.3	6,067.8	20.7	11.9	143.64	298.0	123.6	529.2	499.7	29.56	17.904		
6,139.6	6,110.3	6,112.9	6,107.4	20.7	12.0	89.65	298.0	123.6	529.3	499.7	29.63	17.865		
6,200.0	6,170.6	6,173.3	6,167.8	20.8	12.0	89.65	298.0	123.6	529.3	499.6	29.69	17.828		
6,300.0	6,270.6	6,273.3	6,267.8	20.8	12.1	89.65	298.0	123.6	529.3	499.5	29.82	17.753		
6,400.0	6,370.6	6,373.3	6,367.8	20.8	12.2	89.65	298.0	123.6	529.3	499.4	29.94	17.678		
6,500.0	6,470.6	6,473.3	6,467.8	20.9	12.3	89.65	298.0	123.6	529.3	499.3	30.07	17.603		
6,600.0	6,570.6	6,573.3	6,567.8	20.9	12.4	89.65	298.0	123.6	529.3	499.1	30.20	17.529		
6,700.0	6,670.6	6,673.3	6,667.8	21.0	12.4	89.65	298.0	123.6	529.3	499.0	30.32	17.456		
6,800.0	6,770.6	6,773.3	6,767.8	21.0	12.5	89.65	298.0	123.6	529.3	498.9	30.45	17.382		
6,900.0	6,870.6	6,873.3	6,867.8	21.1	12.6	89.65	298.0	123.6	529.3	498.7	30.58	17.310		
7,000.0	6,970.6	6,973.3	6,967.8	21.1	12.7	89.65	298.0	123.6	529.3	498.6	30.71	17.237		
7,100.0	7,070.6	7,073.3	7,067.8	21.2	12.8	89.65	298.0	123.6	529.3	498.5	30.84	17.165		
7,200.0	7,170.6	7,173.3	7,167.8	21.2	12.9	89.65	298.0	123.6	529.3	498.4	30.97	17.094		
7,300.0	7,270.6	7,273.3	7,267.8	21.3	12.9	89.65	298.0	123.6	529.3	498.2	31.10	17.023		
7,400.0	7,370.6	7,373.3	7,367.8	21.3	13.0	89.65	298.0	123.6	529.3	498.1	31.22	16.952		
7,500.0	7,470.6	7,473.3	7,467.8	21.3	13.1	89.65	298.0	123.6	529.3	498.0	31.35	16.882		
7,600.0	7,570.6	7,573.3	7,567.8	21.4	13.2	89.65	298.0	123.6	529.3	497.8	31.48	16.812		
7,700.0	7,670.6	7,673.3	7,667.8	21.4	13.3	89.65	298.0	123.6	529.3	497.7	31.62	16.743		
7,800.0	7,770.6	7,773.3	7,767.8	21.5	13.4	89.65	298.0	123.6	529.3	497.6	31.75	16.674		
7,900.0	7,870.6	7,873.3	7,867.8	21.5	13.4	89.65	298.0	123.6	529.3	497.4	31.88	16.605		
8,000.0	7,970.6	7,973.3	7,967.8	21.6	13.5	89.65	298.0	123.6	529.3	497.3	32.01	16.537		
8,100.0	8,070.6	8,073.3	8,067.8	21.6	13.6	89.65	298.0	123.6	529.3	497.2	32.14	16.469		
8,200.0	8,170.6	8,173.3	8,167.8	21.7	13.7	89.65	298.0	123.6	529.3	497.1	32.27	16.402		
8,300.0	8,270.6	8,273.3	8,267.8	21.7	13.8	89.65	298.0	123.6	529.3	496.9	32.40	16.335		
8,400.0	8,370.6	8,373.3	8,367.8	21.8	13.9	89.65	298.0	123.6	529.3	496.8	32.54	16.269		
8,500.0	8,470.6	8,473.3	8,467.8	21.8	13.9	89.65	298.0	123.6	529.3	496.7	32.67	16.203		
8,600.0	8,570.6	8,573.3	8,567.8	21.9	14.0	89.65	298.0	123.6	529.3	496.5	32.80	16.137		
8,700.0	8,670.6	8,673.3	8,667.8	21.9	14.1	89.65	298.0	123.6	529.3	496.4	32.94	16.072		
8,800.0	8,770.6	8,773.3	8,767.8	22.0	14.2	89.65	298.0	123.6	529.3	496.3	33.07	16.007		
8,900.0	8,870.6	8,873.3	8,867.8	22.0	14.3	89.65	298.0	123.6	529.3	496.1	33.20	15.942		
9,000.0	8,970.6	8,973.3	8,967.8	22.1	14.4	89.65	298.0	123.6	529.3	496.0	33.34	15.878		
9,100.0	9,070.6	9,073.3	9,067.8	22.1	14.4	89.65	298.0	123.6	529.3	495.9	33.47	15.815		
9,200.0	9,170.6	9,173.3	9,167.8	22.2	14.5	89.65	298.0	123.6	529.3	495.7	33.60	15.752		
9,300.0	9,270.6	9,273.3	9,267.8	22.2	14.6	89.65	298.0	123.6	529.3	495.6	33.74	15.689		
9,400.0	9,370.6	9,373.3	9,367.8	22.3	14.7	89.65	298.0	123.6	529.3	495.5	33.87	15.626		
9,500.0	9,470.6	9,473.3	9,467.8	22.3	14.8	89.65	298.0	123.6	529.3	495.3	34.01	15.564		
9,600.0	9,570.6	9,573.3	9,567.8	22.4	14.9	89.65	298.0	123.6	529.3	495.2	34.14	15.502		
9,700.0	9,670.6	9,673.3	9,667.8	22.4	14.9	89.65	298.0	123.6	529.3	495.0	34.28	15.441		
9,800.0	9,770.6	9,773.3	9,767.8	22.5	15.0	89.65	298.0	123.6	529.3	494.9	34.42	15.380		
9,900.0	9,870.6	9,873.3	9,867.8	22.5	15.1	89.65	298.0	123.6	529.3	494.8	34.55	15.320		
10,000.0	9,970.6	9,973.3	9,967.8	22.6	15.2	89.65	298.0	123.6	529.3	494.6	34.69	15.260		

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11311-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.0	10,070.6	10,073.3	10,067.8	22.6	15.3	89.65	298.0	123.6	529.3	494.5	34.82	15.200	
10,200.0	10,170.6	10,173.3	10,167.8	22.7	15.3	89.65	298.0	123.6	529.3	494.4	34.96	15.140	
10,300.0	10,270.6	10,273.3	10,267.8	22.7	15.4	89.65	298.0	123.6	529.3	494.2	35.10	15.081	
10,400.0	10,370.6	10,373.3	10,367.8	22.8	15.5	89.65	298.0	123.6	529.3	494.1	35.24	15.023	
10,500.0	10,470.6	10,473.3	10,467.8	22.8	15.6	89.65	298.0	123.6	529.3	494.0	35.37	14.964	
10,600.0	10,570.6	10,573.3	10,567.8	22.9	15.7	89.65	298.0	123.6	529.3	493.8	35.51	14.907	
10,700.0	10,670.6	10,673.3	10,667.8	22.9	15.8	89.65	298.0	123.6	529.3	493.7	35.65	14.849	
10,800.0	10,770.6	10,773.3	10,767.8	23.0	15.8	89.65	298.0	123.6	529.3	493.5	35.79	14.792	
10,900.0	10,870.6	10,873.3	10,867.8	23.0	15.9	89.65	298.0	123.6	529.3	493.4	35.92	14.735	
11,000.0	10,970.6	10,973.3	10,967.8	23.1	16.0	89.65	298.0	123.6	529.3	493.3	36.06	14.678	
11,100.0	11,070.6	11,073.3	11,067.8	23.2	16.1	89.65	298.0	123.6	529.3	493.1	36.20	14.622	
11,161.4	11,132.0	11,134.7	11,129.2	23.2	16.1	89.65	298.0	123.6	529.3	493.1	36.27	14.593	
11,178.5	11,149.1	11,151.8	11,146.3	23.2	16.2	-90.00	298.0	123.6	529.3	493.0	36.29	14.587	
11,200.0	11,170.6	11,173.3	11,167.8	23.2	16.2	-90.11	298.0	123.6	529.3	493.0	36.29	14.585 SF	
11,250.0	11,220.3	11,222.9	11,217.5	23.2	16.2	-90.70	298.0	123.6	529.4	493.1	36.26	14.598	
11,300.0	11,269.3	11,271.9	11,266.5	23.3	16.3	-91.73	298.0	123.6	529.6	493.4	36.17	14.641	
11,350.0	11,317.2	11,319.4	11,313.9	23.3	16.3	-93.11	298.1	123.6	530.2	494.2	36.01	14.724	
11,400.0	11,363.8	11,361.8	11,356.3	23.3	16.3	-94.83	300.3	123.6	531.8	496.1	35.74	14.879	
11,450.0	11,408.6	11,400.0	11,394.2	23.3	16.4	-96.74	305.0	123.6	535.2	499.8	35.38	15.127	
11,500.0	11,451.3	11,431.1	11,424.7	23.4	16.4	-98.35	310.6	123.5	541.1	506.1	34.97	15.475	
11,550.0	11,491.5	11,457.3	11,450.2	23.4	16.4	-99.54	316.7	123.5	550.3	515.7	34.55	15.926	
11,600.0	11,529.0	11,478.2	11,470.3	23.4	16.5	-100.06	322.3	123.5	563.2	529.0	34.19	16.476	
11,650.0	11,563.5	11,500.0	11,491.1	23.5	16.5	-100.36	329.0	123.5	580.2	546.3	33.85	17.140	
11,700.0	11,594.7	11,500.0	11,491.1	23.5	16.5	-98.10	329.0	123.5	600.9	567.2	33.77	17.797	
11,750.0	11,622.4	11,513.4	11,503.7	23.5	16.5	-96.69	333.5	123.5	625.3	591.7	33.61	18.606	
11,800.0	11,646.4	11,517.7	11,507.8	23.6	16.5	-93.84	335.0	123.5	653.0	619.4	33.59	19.441	
11,850.0	11,666.4	11,519.2	11,509.1	23.6	16.5	-90.16	335.6	123.4	683.5	649.8	33.62	20.328	
11,900.0	11,682.4	11,518.1	11,508.1	23.7	16.5	-85.74	335.2	123.5	716.1	682.4	33.68	21.260	
11,950.0	11,694.2	11,514.9	11,505.1	23.7	16.5	-80.72	334.1	123.5	750.4	716.6	33.75	22.234	
12,000.0	11,701.7	11,500.0	11,491.1	23.8	16.5	-74.32	329.0	123.5	786.0	752.0	33.93	23.165	
12,050.0	11,704.9	11,500.0	11,491.1	23.8	16.5	-69.39	329.0	123.5	822.0	788.1	33.89	24.256	
12,061.4	11,705.0	11,500.0	11,491.1	23.8	16.5	-68.26	329.0	123.5	830.3	796.4	33.87	24.512	
12,100.0	11,705.0	11,500.0	11,491.1	23.9	16.5	-68.26	329.0	123.5	858.8	824.9	33.83	25.383	
12,200.0	11,705.0	11,482.1	11,474.1	24.0	16.5	-66.69	323.5	123.5	935.5	901.5	33.97	27.541	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	16.44	199.6	58.9	208.2				
100.0	100.0	97.2	97.2	3.0	3.0	16.44	199.6	58.9	208.1	201.6	6.52	31.926	
200.0	200.0	197.2	197.2	3.2	3.2	16.44	199.6	58.9	208.1	201.4	6.77	30.762	
300.0	300.0	297.2	297.2	3.3	3.3	16.44	199.6	58.9	208.1	201.1	7.01	29.681	
400.0	400.0	397.2	397.2	3.4	3.4	16.44	199.6	58.9	208.1	200.9	7.26	28.683	
500.0	500.0	497.2	497.2	3.5	3.5	16.44	199.6	58.9	208.1	200.6	7.50	27.759	
600.0	600.0	597.2	597.2	3.7	3.7	16.44	199.6	58.9	208.1	200.4	7.74	26.899	
700.0	700.0	697.2	697.2	3.8	3.8	16.44	199.6	58.9	208.1	200.2	7.98	26.096	
800.0	800.0	797.2	797.2	3.9	3.9	16.44	199.6	58.9	208.1	199.9	8.21	25.344	
900.0	900.0	897.2	897.2	4.0	4.0	16.44	199.6	58.9	208.1	199.7	8.45	24.639	
1,000.0	1,000.0	997.2	997.2	4.2	4.2	16.44	199.6	58.9	208.1	199.5	8.68	23.976	
1,100.0	1,100.0	1,097.2	1,097.2	4.3	4.3	16.44	199.6	58.9	208.1	199.2	8.91	23.350	
1,200.0	1,200.0	1,197.2	1,197.2	4.4	4.4	16.44	199.6	58.9	208.1	199.0	9.15	22.759	
1,300.0	1,300.0	1,297.2	1,297.2	4.5	4.5	16.44	199.6	58.9	208.1	198.8	9.38	22.199	
1,400.0	1,400.0	1,397.2	1,397.2	4.6	4.6	16.44	199.6	58.9	208.1	198.5	9.61	21.669	
1,500.0	1,500.0	1,497.2	1,497.2	4.8	4.7	16.44	199.6	58.9	208.1	198.3	9.83	21.165 CC, ES	
1,600.0	1,600.0	1,593.0	1,592.9	4.9	4.9	71.03	200.4	59.8	208.6	198.5	10.05	20.748	
1,700.0	1,699.8	1,688.3	1,688.2	5.1	5.0	72.81	202.6	62.5	210.1	199.7	10.37	20.256	
1,800.0	1,799.5	1,783.0	1,782.7	5.4	5.2	75.69	206.4	66.9	213.1	202.4	10.69	19.937	
1,850.0	1,849.1	1,830.1	1,829.7	5.4	5.3	77.49	208.8	69.8	215.4	204.6	10.80	19.933 SF	
1,900.0	1,898.8	1,876.9	1,876.3	5.5	5.4	79.45	211.6	73.1	218.4	207.4	10.92	19.988	
2,000.0	1,998.0	1,970.2	1,969.0	5.7	5.6	83.36	218.2	81.0	226.9	215.6	11.26	20.148	
2,100.0	2,097.3	2,065.7	2,063.6	6.0	5.8	87.26	226.3	90.9	238.6	227.1	11.57	20.625	
2,200.0	2,196.5	2,166.3	2,163.3	6.3	6.0	91.57	232.8	103.1	251.0	239.1	11.91	21.079	
2,300.0	2,295.8	2,263.7	2,259.7	6.6	6.3	95.64	237.9	115.7	264.3	252.0	12.29	21.507	
2,400.0	2,395.0	2,361.1	2,356.2	6.9	6.6	99.31	243.0	128.3	278.7	266.0	12.73	21.900	
2,500.0	2,494.3	2,458.5	2,452.6	7.2	6.9	102.62	248.0	140.8	294.2	281.0	13.20	22.291	
2,600.0	2,593.5	2,555.9	2,549.1	7.5	7.2	105.60	253.1	153.4	310.6	296.9	13.70	22.671	
2,700.0	2,692.8	2,653.2	2,645.5	7.8	7.5	108.28	258.2	166.0	327.8	313.5	14.23	23.034	
2,800.0	2,792.0	2,750.6	2,741.9	8.2	7.8	110.70	263.3	178.5	345.5	330.8	14.78	23.378	
2,900.0	2,891.3	2,848.0	2,838.4	8.5	8.2	112.88	268.3	191.1	363.9	348.5	15.35	23.700	
3,000.0	2,990.6	2,945.4	2,934.8	8.9	8.5	114.85	273.4	203.7	382.7	366.7	15.94	24.002	
3,100.0	3,089.8	3,042.8	3,031.3	9.2	8.9	116.64	278.5	216.2	401.9	385.3	16.55	24.284	
3,200.0	3,189.1	3,140.2	3,127.7	9.6	9.3	118.26	283.6	228.8	421.4	404.3	17.17	24.547	
3,300.0	3,288.3	3,237.6	3,224.2	10.0	9.6	119.75	288.6	241.4	441.3	423.5	17.80	24.793	
3,400.0	3,387.6	3,335.0	3,320.6	10.4	10.0	121.10	293.7	253.9	461.4	443.0	18.44	25.022	
3,500.0	3,486.8	3,432.4	3,417.0	10.7	10.4	122.35	298.8	266.5	481.7	462.6	19.09	25.237	
3,600.0	3,586.1	3,529.8	3,513.5	11.1	10.8	123.49	303.9	279.1	502.3	482.5	19.75	25.437	
3,700.0	3,685.3	3,627.1	3,609.9	11.5	11.2	124.54	309.0	291.6	523.0	502.6	20.41	25.625	
3,800.0	3,784.6	3,724.5	3,706.4	11.9	11.5	125.52	314.0	304.2	543.9	522.8	21.08	25.802	
3,900.0	3,883.8	3,821.9	3,802.8	12.3	11.9	126.42	319.1	316.8	564.9	543.1	21.75	25.968	
4,000.0	3,983.1	3,919.3	3,899.2	12.7	12.3	127.25	324.2	329.3	586.0	563.6	22.43	26.124	
4,100.0	4,082.4	4,016.7	3,995.7	13.1	12.7	128.03	329.3	341.9	607.3	584.2	23.12	26.271	
4,200.0	4,181.6	4,114.1	4,092.1	13.5	13.1	128.76	334.3	354.5	628.7	604.9	23.80	26.410	
4,300.0	4,280.9	4,211.5	4,188.6	13.9	13.5	129.44	339.4	367.0	650.1	625.6	24.49	26.541	
4,400.0	4,380.1	4,308.9	4,285.0	14.2	13.9	130.08	344.5	379.6	671.6	646.5	25.19	26.665	
4,500.0	4,479.4	4,406.3	4,381.5	14.6	14.3	130.67	349.6	392.2	693.3	667.4	25.88	26.783	
4,600.0	4,578.6	4,503.7	4,477.9	15.0	14.7	131.23	354.7	404.7	714.9	688.3	26.58	26.894	
4,700.0	4,677.9	4,601.0	4,574.3	15.4	15.1	131.76	359.7	417.3	736.7	709.4	27.28	27.000	
4,800.0	4,777.1	4,698.4	4,670.8	15.9	15.5	132.26	364.8	429.9	758.5	730.5	27.99	27.101	
4,900.0	4,876.4	4,795.8	4,767.2	16.3	15.9	132.73	369.9	442.4	780.3	751.6	28.69	27.197	
5,000.0	4,975.7	4,893.2	4,863.7	16.7	16.3	133.17	375.0	455.0	802.2	772.8	29.40	27.288	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
5,100.0	5,074.9	4,990.6	4,960.1	17.1	16.7	133.59	380.0	467.6	824.1	794.0	30.11	27.375	
5,200.0	5,174.2	5,089.1	5,057.7	17.5	17.1	134.00	385.2	480.3	846.1	815.3	30.81	27.462	
5,300.0	5,273.4	5,203.4	5,171.0	17.9	17.6	134.46	390.7	493.8	867.0	835.4	31.64	27.407	
5,400.0	5,372.7	5,318.5	5,285.4	18.3	18.1	134.94	395.3	505.4	886.1	853.7	32.44	27.319	
5,439.6	5,412.0	5,364.3	5,331.0	18.4	18.2	135.13	396.9	509.4	893.1	860.4	32.73	27.285	
5,500.0	5,472.0	5,434.4	5,400.9	18.7	18.5	135.48	399.1	514.8	903.1	869.9	33.19	27.213	
5,600.0	5,571.4	5,551.3	5,517.5	19.1	18.9	135.99	402.1	522.2	917.0	883.1	33.92	27.033	
5,700.0	5,671.1	5,668.9	5,635.0	19.4	19.3	136.41	404.2	527.3	927.8	893.1	34.61	26.809	
5,800.0	5,770.8	5,787.2	5,753.2	19.8	19.7	136.76	405.4	530.3	935.3	900.1	35.22	26.554	
5,900.0	5,870.7	5,901.9	5,867.9	20.1	19.8	137.02	405.7	531.0	939.6	904.0	35.62	26.380	
6,000.0	5,970.6	6,001.8	5,967.9	20.4	19.9	137.17	405.7	531.0	942.0	906.1	35.89	26.245	
6,100.0	6,070.6	6,101.8	6,067.9	20.7	19.9	137.24	405.7	531.0	943.2	907.1	36.13	26.108	
6,139.6	6,110.3	6,141.5	6,107.5	20.7	19.9	83.25	405.7	531.0	943.3	907.1	36.18	26.075	
6,200.0	6,170.6	6,201.8	6,167.9	20.8	20.0	83.25	405.7	531.0	943.3	907.1	36.22	26.042	
6,300.0	6,270.6	6,301.8	6,267.9	20.8	20.0	83.25	405.7	531.0	943.3	907.0	36.32	25.973	
6,400.0	6,370.6	6,401.8	6,367.9	20.8	20.0	83.25	405.7	531.0	943.3	906.9	36.41	25.904	
6,500.0	6,470.6	6,501.8	6,467.9	20.9	20.1	83.25	405.7	531.0	943.3	906.8	36.51	25.835	
6,600.0	6,570.6	6,601.8	6,567.9	20.9	20.1	83.25	405.7	531.0	943.3	906.7	36.61	25.767	
6,700.0	6,670.6	6,701.8	6,667.9	21.0	20.2	83.25	405.7	531.0	943.3	906.6	36.71	25.698	
6,800.0	6,770.6	6,801.8	6,767.9	21.0	20.2	83.25	405.7	531.0	943.3	906.5	36.80	25.630	
6,900.0	6,870.6	6,901.8	6,867.9	21.1	20.3	83.25	405.7	531.0	943.3	906.4	36.90	25.561	
7,000.0	6,970.6	7,001.8	6,967.9	21.1	20.3	83.25	405.7	531.0	943.3	906.3	37.00	25.493	
7,100.0	7,070.6	7,101.8	7,067.9	21.2	20.4	83.25	405.7	531.0	943.3	906.2	37.10	25.424	
7,200.0	7,170.6	7,201.8	7,167.9	21.2	20.4	83.25	405.7	531.0	943.3	906.1	37.20	25.356	
7,300.0	7,270.6	7,301.8	7,267.9	21.3	20.5	83.25	405.7	531.0	943.3	906.0	37.30	25.288	
7,400.0	7,370.6	7,401.8	7,367.9	21.3	20.5	83.25	405.7	531.0	943.3	905.9	37.40	25.220	
7,500.0	7,470.6	7,501.8	7,467.9	21.3	20.5	83.25	405.7	531.0	943.3	905.8	37.50	25.152	
7,600.0	7,570.6	7,601.8	7,567.9	21.4	20.6	83.25	405.7	531.0	943.3	905.7	37.61	25.084	
7,700.0	7,670.6	7,701.8	7,667.9	21.4	20.6	83.25	405.7	531.0	943.3	905.6	37.71	25.016	
7,800.0	7,770.6	7,801.8	7,767.9	21.5	20.7	83.25	405.7	531.0	943.3	905.5	37.81	24.948	
7,900.0	7,870.6	7,901.8	7,867.9	21.5	20.7	83.25	405.7	531.0	943.3	905.4	37.91	24.880	
8,000.0	7,970.6	8,001.8	7,967.9	21.6	20.8	83.25	405.7	531.0	943.3	905.3	38.02	24.813	
8,100.0	8,070.6	8,101.8	8,067.9	21.6	20.8	83.25	405.7	531.0	943.3	905.2	38.12	24.745	
8,200.0	8,170.6	8,201.8	8,167.9	21.7	20.9	83.25	405.7	531.0	943.3	905.1	38.22	24.678	
8,300.0	8,270.6	8,301.8	8,267.9	21.7	20.9	83.25	405.7	531.0	943.3	904.9	38.33	24.610	
8,400.0	8,370.6	8,401.8	8,367.9	21.8	21.0	83.25	405.7	531.0	943.3	904.8	38.43	24.543	
8,500.0	8,470.6	8,501.8	8,467.9	21.8	21.0	83.25	405.7	531.0	943.3	904.7	38.54	24.476	
8,600.0	8,570.6	8,601.8	8,567.9	21.9	21.1	83.25	405.7	531.0	943.3	904.6	38.64	24.409	
8,700.0	8,670.6	8,701.8	8,667.9	21.9	21.1	83.25	405.7	531.0	943.3	904.5	38.75	24.342	
8,800.0	8,770.6	8,801.8	8,767.9	22.0	21.2	83.25	405.7	531.0	943.3	904.4	38.86	24.276	
8,900.0	8,870.6	8,901.8	8,867.9	22.0	21.2	83.25	405.7	531.0	943.3	904.3	38.96	24.209	
9,000.0	8,970.6	9,001.8	8,967.9	22.1	21.3	83.25	405.7	531.0	943.3	904.2	39.07	24.143	
9,100.0	9,070.6	9,101.8	9,067.9	22.1	21.3	83.25	405.7	531.0	943.3	904.1	39.18	24.076	
9,200.0	9,170.6	9,201.8	9,167.9	22.2	21.4	83.25	405.7	531.0	943.3	904.0	39.29	24.010	
9,300.0	9,270.6	9,301.8	9,267.9	22.2	21.4	83.25	405.7	531.0	943.3	903.9	39.39	23.944	
9,400.0	9,370.6	9,401.8	9,367.9	22.3	21.5	83.25	405.7	531.0	943.3	903.8	39.50	23.878	
9,500.0	9,470.6	9,501.8	9,467.9	22.3	21.5	83.25	405.7	531.0	943.3	903.7	39.61	23.813	
9,600.0	9,570.6	9,601.8	9,567.9	22.4	21.6	83.25	405.7	531.0	943.3	903.6	39.72	23.747	
9,700.0	9,670.6	9,701.8	9,667.9	22.4	21.6	83.25	405.7	531.0	943.3	903.4	39.83	23.682	
9,800.0	9,770.6	9,801.8	9,767.9	22.5	21.7	83.25	405.7	531.0	943.3	903.3	39.94	23.616	
9,900.0	9,870.6	9,901.8	9,867.9	22.5	21.7	83.25	405.7	531.0	943.3	903.2	40.05	23.551	
10,000.0	9,970.6	10,001.8	9,967.9	22.6	21.8	83.25	405.7	531.0	943.3	903.1	40.16	23.486	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor
10,100.0	10,070.6	10,101.8	10,067.9	22.6	21.8	83.25	405.7	531.0	943.3	903.0		40.27	23.421
10,200.0	10,170.6	10,201.8	10,167.9	22.7	21.9	83.25	405.7	531.0	943.3	902.9		40.39	23.357
10,300.0	10,270.6	10,301.8	10,267.9	22.7	21.9	83.25	405.7	531.0	943.3	902.8		40.50	23.292
10,400.0	10,370.6	10,401.8	10,367.9	22.8	22.0	83.25	405.7	531.0	943.3	902.7		40.61	23.228
10,500.0	10,470.6	10,501.8	10,467.9	22.8	22.0	83.25	405.7	531.0	943.3	902.6		40.72	23.164
10,600.0	10,570.6	10,601.8	10,567.9	22.9	22.1	83.25	405.7	531.0	943.3	902.4		40.83	23.100
10,700.0	10,670.6	10,701.8	10,667.9	22.9	22.1	83.25	405.7	531.0	943.3	902.3		40.95	23.036
10,800.0	10,770.6	10,801.8	10,767.9	23.0	22.2	83.25	405.7	531.0	943.3	902.2		41.06	22.972
10,900.0	10,870.6	10,901.8	10,867.9	23.0	22.2	83.25	405.7	531.0	943.3	902.1		41.18	22.909
11,000.0	10,970.6	11,001.8	10,967.9	23.1	22.3	83.25	405.7	531.0	943.3	902.0		41.29	22.846
11,100.0	11,070.6	11,101.8	11,067.9	23.2	22.3	83.25	405.7	531.0	943.3	901.9		41.40	22.783
11,161.4	11,132.0	11,163.2	11,129.3	23.2	22.4	83.25	405.7	531.0	943.3	901.8		41.45	22.755
11,200.0	11,170.6	11,195.7	11,161.7	23.2	22.4	-96.47	406.5	531.0	943.5	902.1		41.46	22.757
11,250.0	11,220.3	11,236.5	11,202.3	23.2	22.4	-96.84	410.2	531.0	944.8	903.3		41.45	22.794
11,300.0	11,269.3	11,274.7	11,240.0	23.3	22.4	-97.41	416.3	531.0	947.1	905.7		41.41	22.874
11,350.0	11,317.2	11,309.3	11,273.7	23.3	22.4	-98.04	424.0	530.9	950.9	909.6		41.35	22.999
11,400.0	11,363.8	11,339.6	11,302.9	23.3	22.4	-98.58	432.4	530.9	956.5	915.2		41.27	23.178
11,450.0	11,408.6	11,365.3	11,327.2	23.3	22.4	-98.90	440.7	530.9	964.2	923.0		41.18	23.414
11,500.0	11,451.3	11,386.5	11,347.0	23.4	22.4	-98.89	448.3	530.9	974.3	933.2		41.09	23.711
11,550.0	11,491.5	11,400.0	11,359.4	23.4	22.4	-98.28	453.6	530.9	986.9	945.9		41.01	24.064

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	3.0	3.0	24.01	199.6	88.9	218.5					
100.0	100.0	97.1	97.1	3.0	3.0	24.01	199.6	88.9	218.5	212.0	6.52	33.518		
200.0	200.0	197.1	197.1	3.2	3.2	24.01	199.6	88.9	218.5	211.8	6.77	32.300		
300.0	300.0	297.1	297.1	3.3	3.3	24.01	199.6	88.9	218.5	211.5	7.01	31.170		
400.0	400.0	397.1	397.1	3.4	3.4	24.01	199.6	88.9	218.5	211.3	7.25	30.130		
500.0	500.0	497.1	497.1	3.5	3.5	24.01	199.6	88.9	218.5	211.0	7.49	29.168		
600.0	600.0	597.1	597.1	3.7	3.7	24.01	199.6	88.9	218.5	210.8	7.73	28.273		
700.0	700.0	697.1	697.1	3.8	3.8	24.01	199.6	88.9	218.5	210.6	7.96	27.439		
800.0	800.0	797.1	797.1	3.9	3.9	24.01	199.6	88.9	218.5	210.3	8.20	26.659		
900.0	900.0	897.1	897.1	4.0	4.0	24.01	199.6	88.9	218.5	210.1	8.43	25.928		
1,000.0	1,000.0	997.1	997.1	4.2	4.2	24.01	199.6	88.9	218.5	209.9	8.66	25.240		
1,100.0	1,100.0	1,097.1	1,097.1	4.3	4.3	24.01	199.6	88.9	218.5	209.6	8.89	24.592		
1,200.0	1,200.0	1,197.1	1,197.1	4.4	4.4	24.01	199.6	88.9	218.5	209.4	9.11	23.979		
1,300.0	1,300.0	1,297.1	1,297.1	4.5	4.5	24.01	199.6	88.9	218.5	209.2	9.34	23.400		
1,400.0	1,400.0	1,397.1	1,397.1	4.6	4.6	24.01	199.6	88.9	218.5	209.0	9.56	22.850		
1,500.0	1,500.0	1,497.1	1,497.1	4.8	4.7	24.01	199.6	88.9	218.5	208.7	9.79	22.329 CC, ES		
1,600.0	1,600.0	1,592.8	1,592.7	4.9	4.9	78.60	200.2	89.9	219.1	209.1	9.99	21.930		
1,700.0	1,699.8	1,687.9	1,687.9	5.1	5.0	80.34	201.9	92.9	221.2	210.9	10.30	21.476		
1,800.0	1,799.5	1,782.5	1,782.2	5.4	5.2	83.15	204.8	98.0	225.2	214.6	10.61	21.227 SF		
1,850.0	1,849.1	1,829.4	1,829.0	5.4	5.3	84.90	206.7	101.2	228.1	217.4	10.72	21.272		
1,900.0	1,898.8	1,876.1	1,875.5	5.5	5.4	86.81	208.9	104.9	231.8	220.9	10.84	21.376		
2,000.0	1,998.0	1,968.9	1,967.8	5.7	5.6	90.61	214.0	113.8	241.6	230.5	11.18	21.611		
2,100.0	2,097.3	2,061.2	2,059.2	6.0	5.8	94.27	220.1	124.6	254.8	243.3	11.49	22.187		
2,200.0	2,196.5	2,152.9	2,149.6	6.3	6.1	97.95	226.3	138.0	271.2	259.4	11.86	22.865		
2,300.0	2,295.8	2,242.9	2,238.1	6.6	6.3	101.58	232.3	153.9	290.9	278.7	12.26	23.736		
2,400.0	2,395.0	2,337.4	2,330.5	6.9	6.6	105.16	238.3	172.6	313.2	300.6	12.68	24.699		
2,500.0	2,494.3	2,433.0	2,424.1	7.2	6.9	108.32	244.5	191.5	336.7	323.5	13.19	25.517		
2,600.0	2,593.5	2,528.6	2,517.6	7.5	7.2	111.07	250.6	210.4	361.0	347.2	13.74	26.277		
2,700.0	2,692.8	2,624.2	2,611.1	7.8	7.6	113.47	256.8	229.3	386.0	371.7	14.31	26.976		
2,800.0	2,792.0	2,719.8	2,704.6	8.2	7.9	115.59	262.9	248.2	411.5	396.6	14.90	27.617		
2,900.0	2,891.3	2,815.4	2,798.1	8.5	8.3	117.46	269.1	267.1	437.6	422.1	15.52	28.202		
3,000.0	2,990.6	2,911.0	2,891.6	8.9	8.7	119.12	275.2	286.0	464.0	447.9	16.15	28.737		
3,100.0	3,089.8	3,006.6	2,985.1	9.2	9.1	120.61	281.3	304.9	490.8	474.0	16.79	29.225		
3,200.0	3,189.1	3,102.2	3,078.6	9.6	9.4	121.94	287.5	323.8	517.9	500.4	17.45	29.671		
3,300.0	3,288.3	3,197.8	3,172.1	10.0	9.8	123.15	293.6	342.7	545.2	527.0	18.12	30.079		
3,400.0	3,387.6	3,293.4	3,265.6	10.4	10.2	124.23	299.8	361.6	572.7	553.9	18.80	30.453		
3,500.0	3,486.8	3,389.0	3,359.1	10.7	10.6	125.22	305.9	380.5	600.3	580.8	19.49	30.797		
3,600.0	3,586.1	3,484.6	3,452.6	11.1	11.1	126.13	312.0	399.4	628.1	608.0	20.19	31.113		
3,700.0	3,685.3	3,580.2	3,546.1	11.5	11.5	126.95	318.2	418.3	656.1	635.2	20.89	31.405		
3,800.0	3,784.6	3,675.8	3,639.6	11.9	11.9	127.71	324.3	437.2	684.2	662.6	21.60	31.675		
3,900.0	3,883.8	3,771.4	3,733.2	12.3	12.3	128.41	330.5	456.1	712.4	690.0	22.31	31.924		
4,000.0	3,983.1	3,867.0	3,826.7	12.7	12.7	129.06	336.6	475.0	740.6	717.6	23.03	32.156		
4,100.0	4,082.4	3,962.6	3,920.2	13.1	13.1	129.66	342.8	493.9	769.0	745.2	23.75	32.371		
4,200.0	4,181.6	4,058.2	4,013.7	13.5	13.6	130.22	348.9	512.8	797.4	772.9	24.48	32.572		
4,300.0	4,280.9	4,153.8	4,107.2	13.9	14.0	130.74	355.0	531.7	825.9	800.7	25.21	32.759		
4,400.0	4,380.1	4,249.4	4,200.7	14.2	14.4	131.22	361.2	550.6	854.4	828.5	25.94	32.934		
4,500.0	4,479.4	4,345.0	4,294.2	14.6	14.9	131.68	367.3	569.5	883.0	856.3	26.68	33.098		
4,600.0	4,578.6	4,440.6	4,387.7	15.0	15.3	132.10	373.5	588.5	911.7	884.2	27.42	33.252		
4,700.0	4,677.9	4,536.2	4,481.2	15.4	15.7	132.50	379.6	607.4	940.3	912.2	28.16	33.396		
4,800.0	4,777.1	4,631.8	4,574.7	15.9	16.2	132.88	385.7	626.3	969.1	940.2	28.90	33.532		
4,900.0	4,876.4	4,727.4	4,668.2	16.3	16.6	133.23	391.9	645.2	997.8	968.2	29.64	33.660		

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	30.83	199.3	119.0	232.2				
100.0	100.0	97.2	97.2	3.0	3.0	30.83	199.3	119.0	232.2	225.6	6.52	35.611	
200.0	200.0	197.2	197.2	3.2	3.2	30.83	199.3	119.0	232.2	225.4	6.76	34.321	
300.0	300.0	297.2	297.2	3.3	3.3	30.83	199.3	119.0	232.2	225.1	7.01	33.127	
400.0	400.0	397.2	397.2	3.4	3.4	30.83	199.3	119.0	232.2	224.9	7.25	32.031	
500.0	500.0	497.2	497.2	3.5	3.5	30.83	199.3	119.0	232.2	224.7	7.48	31.018	
600.0	600.0	597.2	597.2	3.7	3.7	30.83	199.3	119.0	232.2	224.4	7.72	30.079	
700.0	700.0	697.2	697.2	3.8	3.8	30.83	199.3	119.0	232.2	224.2	7.95	29.203	
800.0	800.0	797.2	797.2	3.9	3.9	30.83	199.3	119.0	232.2	224.0	8.18	28.386	
900.0	900.0	897.2	897.2	4.0	4.0	30.83	199.3	119.0	232.2	223.7	8.41	27.620	
1,000.0	1,000.0	997.2	997.2	4.2	4.2	30.83	199.3	119.0	232.2	223.5	8.63	26.900	
1,100.0	1,100.0	1,097.2	1,097.2	4.3	4.3	30.83	199.3	119.0	232.2	223.3	8.85	26.221	
1,200.0	1,200.0	1,197.2	1,197.2	4.4	4.4	30.83	199.3	119.0	232.2	223.1	9.08	25.581	
1,300.0	1,300.0	1,297.2	1,297.2	4.5	4.5	30.83	199.3	119.0	232.2	222.9	9.30	24.976	
1,400.0	1,400.0	1,397.2	1,397.2	4.6	4.6	30.83	199.3	119.0	232.2	222.6	9.51	24.402	
1,500.0	1,500.0	1,497.2	1,497.2	4.8	4.7	30.83	199.3	119.0	232.2	222.4	9.73	23.856 CC, ES	
1,600.0	1,600.0	1,592.2	1,592.2	4.9	4.9	85.36	199.9	120.0	233.0	223.1	9.93	23.459	
1,700.0	1,699.8	1,686.8	1,686.7	5.1	5.0	86.90	201.6	122.9	235.9	225.7	10.24	23.030	
1,800.0	1,799.5	1,780.7	1,780.5	5.4	5.2	89.36	204.5	127.9	241.2	230.6	10.56	22.843 SF	
1,850.0	1,849.1	1,827.3	1,826.9	5.4	5.2	90.88	206.3	131.1	244.9	234.2	10.64	23.013	
1,900.0	1,898.8	1,873.8	1,873.2	5.5	5.3	92.59	208.4	134.9	249.3	238.6	10.73	23.243	
2,000.0	1,998.0	1,965.8	1,964.6	5.7	5.5	96.15	212.6	144.6	260.7	249.7	11.07	23.546	
2,100.0	2,097.3	2,056.6	2,054.4	6.0	5.8	99.77	216.9	157.1	275.6	264.2	11.47	24.030	
2,200.0	2,196.5	2,145.9	2,142.3	6.3	6.1	103.30	221.4	172.1	294.1	282.2	11.90	24.728	
2,300.0	2,295.8	2,233.7	2,228.2	6.6	6.4	106.66	226.0	189.5	316.3	304.0	12.35	25.623	
2,400.0	2,395.0	2,321.8	2,313.9	6.9	6.7	109.85	230.7	209.5	342.1	329.3	12.82	26.678	
2,500.0	2,494.3	2,416.2	2,405.5	7.2	7.0	112.85	235.8	231.7	369.7	356.3	13.35	27.697	
2,600.0	2,593.5	2,510.5	2,497.0	7.5	7.4	115.45	241.0	254.0	398.1	384.2	13.90	28.634	
2,700.0	2,692.8	2,604.9	2,588.6	7.8	7.7	117.71	246.1	276.2	427.1	412.7	14.48	29.491	
2,800.0	2,792.0	2,699.3	2,680.2	8.2	8.1	119.69	251.3	298.5	456.8	441.7	15.09	30.269	
2,900.0	2,891.3	2,793.6	2,771.8	8.5	8.4	121.43	256.4	320.7	486.8	471.1	15.72	30.974	
3,000.0	2,990.6	2,888.0	2,863.3	8.9	8.8	122.97	261.5	343.0	517.3	500.9	16.36	31.614	
3,100.0	3,089.8	2,982.4	2,954.9	9.2	9.2	124.34	266.7	365.2	548.0	531.0	17.02	32.195	
3,200.0	3,189.1	3,076.8	3,046.5	9.6	9.6	125.56	271.8	387.5	579.0	561.3	17.69	32.722	
3,300.0	3,288.3	3,171.1	3,138.0	10.0	10.0	126.66	276.9	409.7	610.2	591.8	18.38	33.202	
3,400.0	3,387.6	3,265.5	3,229.6	10.4	10.4	127.66	282.1	431.9	641.6	622.5	19.07	33.639	
3,500.0	3,486.8	3,359.9	3,321.2	10.7	10.8	128.56	287.2	454.2	673.2	653.4	19.78	34.038	
3,600.0	3,586.1	3,454.2	3,412.7	11.1	11.2	129.39	292.3	476.4	704.9	684.4	20.49	34.403	
3,700.0	3,685.3	3,548.6	3,504.3	11.5	11.6	130.14	297.5	498.7	736.7	715.5	21.21	34.738	
3,800.0	3,784.6	3,643.0	3,595.9	11.9	12.0	130.83	302.6	520.9	768.6	746.7	21.93	35.046	
3,900.0	3,883.8	3,737.4	3,687.4	12.3	12.4	131.47	307.7	543.2	800.6	778.0	22.66	35.329	
4,000.0	3,983.1	3,831.7	3,779.0	12.7	12.9	132.06	312.9	565.4	832.7	809.3	23.40	35.590	
4,100.0	4,082.4	3,926.1	3,870.6	13.1	13.3	132.60	318.0	587.7	864.9	840.8	24.14	35.832	
4,200.0	4,181.6	4,020.5	3,962.1	13.5	13.7	133.11	323.2	609.9	897.1	872.3	24.88	36.056	
4,300.0	4,280.9	4,114.9	4,053.7	13.9	14.1	133.58	328.3	632.2	929.4	903.8	25.63	36.263	
4,400.0	4,380.1	4,209.2	4,145.3	14.2	14.6	134.02	333.4	654.4	961.8	935.4	26.38	36.457	
4,500.0	4,479.4	4,303.6	4,236.9	14.6	15.0	134.43	338.6	676.7	994.2	967.1	27.14	36.637	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11509-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	36.79	199.2	149.0	248.7				
100.0	100.0	97.1	97.1	3.0	3.0	36.79	199.2	149.0	248.7	242.2	6.52	38.152	
200.0	200.0	197.1	197.1	3.2	3.2	36.79	199.2	149.0	248.7	241.9	6.76	36.775	
300.0	300.0	297.1	297.1	3.3	3.3	36.79	199.2	149.0	248.7	241.7	7.01	35.503	
400.0	400.0	397.1	397.1	3.4	3.4	36.79	199.2	149.0	248.7	241.5	7.24	34.338	
500.0	500.0	497.1	497.1	3.5	3.5	36.79	199.2	149.0	248.7	241.2	7.48	33.264	
600.0	600.0	597.1	597.1	3.7	3.7	36.79	199.2	149.0	248.7	241.0	7.71	32.268	
700.0	700.0	697.1	697.1	3.8	3.8	36.79	199.2	149.0	248.7	240.8	7.94	31.342	
800.0	800.0	797.1	797.1	3.9	3.9	36.79	199.2	149.0	248.7	240.6	8.16	30.478	
900.0	900.0	897.1	897.1	4.0	4.0	36.79	199.2	149.0	248.7	240.3	8.38	29.669	
1,000.0	1,000.0	997.1	997.1	4.2	4.2	36.79	199.2	149.0	248.7	240.1	8.60	28.909 CC, ES	
1,100.0	1,100.0	1,091.4	1,091.4	4.3	4.3	37.03	199.4	150.4	249.8	241.0	8.86	28.182	
1,200.0	1,200.0	1,185.3	1,185.2	4.4	4.4	37.74	200.1	154.9	253.3	244.2	9.12	27.769	
1,300.0	1,300.0	1,278.9	1,278.4	4.5	4.6	38.89	201.3	162.4	259.3	249.9	9.37	27.657 SF	
1,400.0	1,400.0	1,371.8	1,370.7	4.6	4.8	40.41	202.9	172.8	267.8	258.2	9.62	27.829	
1,500.0	1,500.0	1,463.9	1,461.9	4.8	5.0	42.21	205.0	186.0	279.1	269.2	9.87	28.271	
1,600.0	1,600.0	1,554.9	1,551.4	4.9	5.2	98.23	207.5	201.9	293.4	283.3	10.09	29.076	
1,700.0	1,699.8	1,644.0	1,638.6	5.1	5.4	100.80	210.4	220.2	311.4	301.0	10.41	29.927	
1,800.0	1,799.5	1,730.9	1,723.0	5.4	5.6	103.69	213.7	240.6	333.7	323.0	10.71	31.158	
1,850.0	1,849.1	1,775.9	1,766.5	5.4	5.7	105.28	215.5	252.0	346.5	335.7	10.81	32.059	
1,900.0	1,898.8	1,822.8	1,811.7	5.5	5.8	107.15	217.4	264.0	359.8	348.9	10.95	32.876	
2,000.0	1,998.0	1,916.4	1,902.2	5.7	6.0	110.50	221.2	287.9	387.5	376.2	11.36	34.118	
2,100.0	2,097.3	2,010.0	1,992.6	6.0	6.2	113.41	225.0	311.8	416.3	404.5	11.81	35.257	
2,200.0	2,196.5	2,103.7	2,083.1	6.3	6.5	115.96	228.8	335.8	446.1	433.8	12.29	36.280	
2,300.0	2,295.8	2,197.3	2,173.5	6.6	6.8	118.20	232.6	359.7	476.5	463.7	12.81	37.186	
2,400.0	2,395.0	2,291.0	2,264.0	6.9	7.1	120.18	236.3	383.7	507.6	494.2	13.36	37.980	
2,500.0	2,494.3	2,384.6	2,354.4	7.2	7.5	121.93	240.1	407.6	539.1	525.2	13.94	38.673	
2,600.0	2,593.5	2,478.2	2,444.9	7.5	7.8	123.49	243.9	431.5	571.0	556.5	14.54	39.275	
2,700.0	2,692.8	2,571.9	2,535.3	7.8	8.2	124.89	247.7	455.5	603.3	588.2	15.16	39.797	
2,800.0	2,792.0	2,665.5	2,625.8	8.2	8.5	126.14	251.5	479.4	635.9	620.1	15.80	40.249	
2,900.0	2,891.3	2,759.2	2,716.2	8.5	8.9	127.28	255.3	503.4	668.8	652.3	16.46	40.640	
3,000.0	2,990.6	2,852.8	2,806.7	8.9	9.3	128.31	259.1	527.3	701.9	684.7	17.13	40.979	
3,100.0	3,089.8	2,946.5	2,897.2	9.2	9.7	129.25	262.9	551.2	735.1	717.3	17.81	41.274	
3,200.0	3,189.1	3,040.1	2,987.6	9.6	10.1	130.11	266.7	575.2	768.5	750.0	18.51	41.530	
3,300.0	3,288.3	3,133.7	3,078.1	10.0	10.5	130.90	270.5	599.1	802.1	782.9	19.21	41.752	
3,400.0	3,387.6	3,227.4	3,168.5	10.4	10.9	131.63	274.3	623.0	835.8	815.9	19.92	41.947	
3,500.0	3,486.8	3,321.0	3,259.0	10.7	11.3	132.30	278.0	647.0	869.6	848.9	20.65	42.116	
3,600.0	3,586.1	3,414.7	3,349.4	11.1	11.7	132.92	281.8	670.9	903.5	882.1	21.38	42.265	
3,700.0	3,685.3	3,508.3	3,439.9	11.5	12.2	133.49	285.6	694.9	937.4	915.3	22.11	42.396	
3,800.0	3,784.6	3,602.0	3,530.3	11.9	12.6	134.03	289.4	718.8	971.5	948.7	22.85	42.511	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	90.33	-0.2	29.9	29.9				
100.0	100.0	99.1	99.1	3.0	3.0	90.33	-0.2	29.9	29.9	23.4	6.52	4.588	
200.0	200.0	199.1	199.1	3.2	3.2	90.33	-0.2	29.9	29.9	23.2	6.76	4.425	
300.0	300.0	299.1	299.1	3.3	3.3	90.33	-0.2	29.9	29.9	22.9	6.99	4.279	
400.0	400.0	399.1	399.1	3.4	3.4	90.33	-0.2	29.9	29.9	22.7	7.21	4.146	
500.0	500.0	499.1	499.1	3.5	3.5	90.33	-0.2	29.9	29.9	22.5	7.43	4.026	
600.0	600.0	599.1	599.1	3.7	3.7	90.33	-0.2	29.9	29.9	22.3	7.64	3.915	
700.0	700.0	699.1	699.1	3.8	3.8	90.33	-0.2	29.9	29.9	22.1	7.84	3.814	
800.0	800.0	799.1	799.1	3.9	3.9	90.33	-0.2	29.9	29.9	21.9	8.04	3.720	
900.0	900.0	899.1	899.1	4.0	4.0	90.33	-0.2	29.9	29.9	21.7	8.23	3.633	
1,000.0	1,000.0	999.1	999.1	4.2	4.2	90.33	-0.2	29.9	29.9	21.5	8.42	3.551	
1,100.0	1,100.0	1,099.1	1,099.1	4.3	4.3	90.33	-0.2	29.9	29.9	21.3	8.61	3.476	
1,200.0	1,200.0	1,199.1	1,199.1	4.4	4.4	90.33	-0.2	29.9	29.9	21.1	8.79	3.404	
1,300.0	1,300.0	1,299.1	1,299.1	4.5	4.5	90.33	-0.2	29.9	29.9	20.9	8.96	3.338	
1,400.0	1,400.0	1,399.1	1,399.1	4.6	4.6	90.33	-0.2	29.9	29.9	20.8	9.13	3.275	
1,500.0	1,500.0	1,499.1	1,499.1	4.8	4.7	90.33	-0.2	29.9	29.9	20.6	9.30	3.215 CC, ES	
1,600.0	1,600.0	1,599.1	1,599.1	4.9	4.9	143.04	1.5	29.8	31.3	21.7	9.54	3.278	
1,700.0	1,699.8	1,699.0	1,698.8	5.1	5.2	139.66	6.7	29.6	35.4	25.5	9.92	3.567	
1,800.0	1,799.5	1,798.6	1,798.1	5.4	5.5	135.47	15.4	29.3	42.4	32.1	10.29	4.123	
1,850.0	1,849.1	1,848.3	1,847.4	5.4	5.6	133.42	21.0	29.1	47.1	36.7	10.42	4.521	
1,900.0	1,898.8	1,897.8	1,896.6	5.5	5.8	131.21	27.4	28.8	52.3	41.7	10.54	4.955	
2,000.0	1,998.0	1,997.2	1,994.9	5.7	6.0	127.07	41.2	28.2	63.0	52.1	10.89	5.782	
2,100.0	2,097.3	2,096.5	2,093.3	6.0	6.3	124.13	55.0	27.7	73.9	62.6	11.24	6.574	
2,200.0	2,196.5	2,195.9	2,191.7	6.3	6.5	121.96	68.8	27.1	85.0	73.4	11.60	7.327	
2,300.0	2,295.8	2,295.2	2,290.0	6.6	6.8	120.29	82.6	26.6	96.1	84.2	11.96	8.039	
2,400.0	2,395.0	2,394.5	2,388.4	6.9	7.1	118.96	96.5	26.0	107.4	95.0	12.32	8.711	
2,500.0	2,494.3	2,493.9	2,486.8	7.2	7.4	117.89	110.3	25.5	118.6	105.9	12.69	9.346	
2,600.0	2,593.5	2,593.2	2,585.2	7.5	7.8	117.00	124.1	24.9	129.9	116.9	13.07	9.943	
2,700.0	2,692.8	2,692.6	2,683.5	7.8	8.1	116.26	137.9	24.4	141.3	127.8	13.45	10.507	
2,800.0	2,792.0	2,791.9	2,781.9	8.2	8.4	115.63	151.7	23.8	152.6	138.8	13.83	11.038	
2,900.0	2,891.3	2,891.2	2,880.3	8.5	8.8	115.08	165.5	23.3	164.0	149.8	14.21	11.538	
3,000.0	2,990.6	2,990.6	2,978.7	8.9	9.1	114.61	179.3	22.7	175.4	160.8	14.60	12.011	
3,100.0	3,089.8	3,089.9	3,077.0	9.2	9.5	114.19	193.2	22.1	186.8	171.8	15.00	12.457	
3,200.0	3,189.1	3,189.3	3,175.4	9.6	9.9	113.82	207.0	21.6	198.2	182.8	15.39	12.878	
3,300.0	3,288.3	3,288.6	3,273.8	10.0	10.2	113.49	220.8	21.0	209.6	193.8	15.79	13.276	
3,400.0	3,387.6	3,388.3	3,372.6	10.4	10.6	113.21	234.6	20.5	221.0	204.9	16.15	13.685	
3,500.0	3,486.8	3,489.6	3,473.1	10.7	11.0	113.22	247.4	20.0	231.8	215.3	16.55	14.012	
3,600.0	3,586.1	3,591.1	3,573.9	11.1	11.3	113.61	258.5	19.5	241.8	224.9	16.94	14.277	
3,700.0	3,685.3	3,692.6	3,675.0	11.5	11.7	114.33	267.7	19.2	251.0	233.7	17.32	14.493	
3,800.0	3,784.6	3,794.2	3,776.3	11.9	12.1	115.36	275.2	18.9	259.5	241.8	17.69	14.665	
3,900.0	3,883.8	3,895.7	3,877.7	12.3	12.4	116.67	280.9	18.6	267.3	249.2	18.06	14.796	
4,000.0	3,983.1	3,997.1	3,979.0	12.7	12.7	118.25	284.7	18.5	274.5	256.0	18.43	14.890	
4,100.0	4,082.4	4,098.4	4,080.2	13.1	13.0	120.08	286.8	18.4	281.2	262.4	18.81	14.948	
4,200.0	4,181.6	4,198.9	4,180.7	13.5	13.1	122.12	287.2	18.4	287.7	268.5	19.16	15.017	
4,300.0	4,280.9	4,298.1	4,280.0	13.9	13.2	124.12	287.2	18.4	294.4	274.8	19.57	15.043	
4,400.0	4,380.1	4,397.4	4,379.2	14.2	13.2	126.03	287.2	18.4	301.4	281.4	20.02	15.056	
4,500.0	4,479.4	4,496.6	4,478.5	14.6	13.3	127.85	287.2	18.4	308.8	288.3	20.51	15.059	
4,600.0	4,578.6	4,595.9	4,577.7	15.0	13.4	129.58	287.2	18.4	316.5	295.4	21.02	15.057	
4,700.0	4,677.9	4,695.1	4,677.0	15.4	13.4	131.24	287.2	18.4	324.4	302.8	21.56	15.049	
4,800.0	4,777.1	4,794.4	4,776.2	15.9	13.5	132.81	287.2	18.4	332.6	310.5	22.11	15.040	
4,900.0	4,876.4	4,893.6	4,875.5	16.3	13.6	134.30	287.2	18.4	341.0	318.3	22.69	15.030	
5,000.0	4,975.7	4,992.9	4,974.7	16.7	13.6	135.73	287.2	18.4	349.7	326.4	23.28	15.020	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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		Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,074.9	5,092.2	5,074.0	17.1	13.7	137.08	287.2	18.4	358.5	334.6	23.88	15.011	
5,200.0	5,174.2	5,191.4	5,173.2	17.5	13.8	138.37	287.2	18.4	367.6	343.1	24.50	15.005	
5,300.0	5,273.4	5,290.7	5,272.5	17.9	13.8	139.60	287.2	18.4	376.8	351.7	25.12	15.001	
5,400.0	5,372.7	5,389.9	5,371.8	18.3	13.9	140.77	287.2	18.4	386.2	360.4	25.75	15.000	
5,439.6	5,412.0	5,429.2	5,411.1	18.4	13.9	141.22	287.2	18.4	390.0	364.0	25.98	15.009	
5,500.0	5,472.0	5,489.2	5,471.1	18.7	14.0	141.89	287.2	18.4	395.5	369.1	26.34	15.013	
5,600.0	5,571.4	5,588.7	5,570.5	19.1	14.1	142.84	287.2	18.4	403.6	376.7	26.94	14.984	
5,700.0	5,671.1	5,688.3	5,670.2	19.4	14.1	143.60	287.2	18.4	410.5	383.0	27.50	14.927	
5,800.0	5,770.8	5,788.1	5,769.9	19.8	14.2	144.18	287.2	18.4	416.0	388.0	28.02	14.846	
5,900.0	5,870.7	5,888.0	5,869.8	20.1	14.3	144.61	287.2	18.4	420.1	391.6	28.50	14.742	
6,000.0	5,970.6	5,987.9	5,969.7	20.4	14.3	144.88	287.2	18.4	422.8	393.9	28.92	14.619	
6,100.0	6,070.6	6,087.9	6,069.7	20.7	14.4	145.01	287.2	18.4	424.1	394.8	29.27	14.486	
6,139.6	6,110.3	6,127.5	6,109.3	20.7	14.4	91.02	287.2	18.4	424.2	394.8	29.35	14.454	
6,200.0	6,170.6	6,187.9	6,169.7	20.8	14.5	91.02	287.2	18.4	424.2	394.8	29.41	14.423	
6,300.0	6,270.6	6,287.9	6,269.7	20.8	14.6	91.02	287.2	18.4	424.2	394.6	29.54	14.360	
6,400.0	6,370.6	6,387.9	6,369.7	20.8	14.6	91.02	287.2	18.4	424.2	394.5	29.67	14.298	
6,500.0	6,470.6	6,487.9	6,469.7	20.9	14.7	91.02	287.2	18.4	424.2	394.4	29.80	14.236	
6,600.0	6,570.6	6,587.9	6,569.7	20.9	14.8	91.02	287.2	18.4	424.2	394.3	29.92	14.175	
6,700.0	6,670.6	6,687.9	6,669.7	21.0	14.8	91.02	287.2	18.4	424.2	394.1	30.05	14.114	
6,800.0	6,770.6	6,787.9	6,769.7	21.0	14.9	91.02	287.2	18.4	424.2	394.0	30.18	14.053	
6,900.0	6,870.6	6,887.9	6,869.7	21.1	15.0	91.02	287.2	18.4	424.2	393.9	30.31	13.993	
7,000.0	6,970.6	6,987.9	6,969.7	21.1	15.1	91.02	287.2	18.4	424.2	393.7	30.44	13.933	
7,100.0	7,070.6	7,087.9	7,069.7	21.2	15.1	91.02	287.2	18.4	424.2	393.6	30.57	13.874	
7,200.0	7,170.6	7,187.9	7,169.7	21.2	15.2	91.02	287.2	18.4	424.2	393.5	30.70	13.815	
7,300.0	7,270.6	7,287.9	7,269.7	21.3	15.3	91.02	287.2	18.4	424.2	393.3	30.84	13.756	
7,400.0	7,370.6	7,387.9	7,369.7	21.3	15.4	91.02	287.2	18.4	424.2	393.2	30.97	13.698	
7,500.0	7,470.6	7,487.9	7,469.7	21.3	15.4	91.02	287.2	18.4	424.2	393.1	31.10	13.640	
7,600.0	7,570.6	7,587.9	7,569.7	21.4	15.5	91.02	287.2	18.4	424.2	392.9	31.23	13.582	
7,700.0	7,670.6	7,687.9	7,669.7	21.4	15.6	91.02	287.2	18.4	424.2	392.8	31.36	13.525	
7,800.0	7,770.6	7,787.9	7,769.7	21.5	15.6	91.02	287.2	18.4	424.2	392.7	31.50	13.468	
7,900.0	7,870.6	7,887.9	7,869.7	21.5	15.7	91.02	287.2	18.4	424.2	392.6	31.63	13.411	
8,000.0	7,970.6	7,987.9	7,969.7	21.6	15.8	91.02	287.2	18.4	424.2	392.4	31.76	13.355	
8,100.0	8,070.6	8,087.9	8,069.7	21.6	15.9	91.02	287.2	18.4	424.2	392.3	31.90	13.299	
8,200.0	8,170.6	8,187.9	8,169.7	21.7	15.9	91.02	287.2	18.4	424.2	392.2	32.03	13.244	
8,300.0	8,270.6	8,287.9	8,269.7	21.7	16.0	91.02	287.2	18.4	424.2	392.0	32.16	13.189	
8,400.0	8,370.6	8,387.9	8,369.7	21.8	16.1	91.02	287.2	18.4	424.2	391.9	32.30	13.134	
8,500.0	8,470.6	8,487.9	8,469.7	21.8	16.2	91.02	287.2	18.4	424.2	391.7	32.43	13.079	
8,600.0	8,570.6	8,587.9	8,569.7	21.9	16.2	91.02	287.2	18.4	424.2	391.6	32.57	13.025	
8,700.0	8,670.6	8,687.9	8,669.7	21.9	16.3	91.02	287.2	18.4	424.2	391.5	32.70	12.972	
8,800.0	8,770.6	8,787.9	8,769.7	22.0	16.4	91.02	287.2	18.4	424.2	391.3	32.84	12.918	
8,900.0	8,870.6	8,887.9	8,869.7	22.0	16.4	91.02	287.2	18.4	424.2	391.2	32.97	12.865	
9,000.0	8,970.6	8,987.9	8,969.7	22.1	16.5	91.02	287.2	18.4	424.2	391.1	33.11	12.813	
9,100.0	9,070.6	9,087.9	9,069.7	22.1	16.6	91.02	287.2	18.4	424.2	390.9	33.24	12.760	
9,200.0	9,170.6	9,187.9	9,169.7	22.2	16.7	91.02	287.2	18.4	424.2	390.8	33.38	12.708	
9,300.0	9,270.6	9,287.9	9,269.7	22.2	16.7	91.02	287.2	18.4	424.2	390.7	33.51	12.657	
9,400.0	9,370.6	9,387.9	9,369.7	22.3	16.8	91.02	287.2	18.4	424.2	390.5	33.65	12.605	
9,500.0	9,470.6	9,487.9	9,469.7	22.3	16.9	91.02	287.2	18.4	424.2	390.4	33.79	12.554	
9,600.0	9,570.6	9,587.9	9,569.7	22.4	17.0	91.02	287.2	18.4	424.2	390.3	33.92	12.504	
9,700.0	9,670.6	9,687.9	9,669.7	22.4	17.0	91.02	287.2	18.4	424.2	390.1	34.06	12.453	
9,800.0	9,770.6	9,787.9	9,769.7	22.5	17.1	91.02	287.2	18.4	424.2	390.0	34.20	12.403	
9,900.0	9,870.6	9,887.9	9,869.7	22.5	17.2	91.02	287.2	18.4	424.2	389.8	34.34	12.354	
10,000.0	9,970.6	9,987.9	9,969.7	22.6	17.3	91.02	287.2	18.4	424.2	389.7	34.47	12.304	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,070.6	10,087.9	10,069.7	22.6	17.3	91.02	287.2	18.4	424.2	389.6	34.61	12.255	
10,200.0	10,170.6	10,187.9	10,169.7	22.7	17.4	91.02	287.2	18.4	424.2	389.4	34.75	12.207	
10,300.0	10,270.6	10,287.9	10,269.7	22.7	17.5	91.02	287.2	18.4	424.2	389.3	34.89	12.158	
10,400.0	10,370.6	10,387.9	10,369.7	22.8	17.6	91.02	287.2	18.4	424.2	389.2	35.03	12.110	
10,500.0	10,470.6	10,487.9	10,469.7	22.8	17.6	91.02	287.2	18.4	424.2	389.0	35.17	12.062	
10,600.0	10,570.6	10,587.9	10,569.7	22.9	17.7	91.02	287.2	18.4	424.2	388.9	35.30	12.015	
10,700.0	10,670.6	10,687.9	10,669.7	22.9	17.8	91.02	287.2	18.4	424.2	388.7	35.44	11.968	
10,800.0	10,770.6	10,787.9	10,769.7	23.0	17.9	91.02	287.2	18.4	424.2	388.6	35.58	11.921	
10,900.0	10,870.6	10,887.9	10,869.7	23.0	17.9	91.02	287.2	18.4	424.2	388.5	35.72	11.875	
11,000.0	10,970.6	10,987.9	10,969.7	23.1	18.0	91.02	287.2	18.4	424.2	388.3	35.86	11.828	
11,100.0	11,070.6	11,087.9	11,069.7	23.2	18.1	91.02	287.2	18.4	424.2	388.2	36.00	11.782	
11,161.4	11,132.0	11,149.3	11,131.1	23.2	18.1	91.02	287.2	18.4	424.2	388.1	36.08	11.758	
11,200.0	11,170.6	11,187.9	11,169.7	23.2	18.2	-88.78	287.2	18.4	424.1	388.1	36.09	11.753	
11,250.0	11,220.3	11,237.5	11,219.4	23.2	18.2	-89.53	287.2	18.4	424.1	388.0	36.02	11.773	
11,270.5	11,240.5	11,257.7	11,239.6	23.2	18.2	-90.00	287.2	18.4	424.1	388.1	35.97	11.790	
11,300.0	11,269.3	11,286.5	11,268.4	23.3	18.2	-90.83	287.2	18.4	424.1	388.2	35.87	11.825	
11,350.0	11,317.2	11,334.8	11,316.7	23.3	18.3	-92.61	287.1	18.4	424.5	388.9	35.61	11.922	
11,400.0	11,363.8	11,384.9	11,366.6	23.3	18.3	-94.58	284.1	18.4	425.6	390.2	35.33	12.044	
11,450.0	11,408.6	11,436.4	11,417.5	23.3	18.4	-96.54	276.5	18.4	427.1	392.0	35.09	12.173	
11,500.0	11,451.3	11,489.5	11,469.1	23.4	18.5	-98.46	263.8	18.5	429.2	394.3	34.89	12.302	
11,550.0	11,491.5	11,544.3	11,520.8	23.4	18.5	-100.35	245.8	18.6	431.7	396.9	34.76	12.421	
11,600.0	11,529.0	11,600.9	11,572.2	23.4	18.6	-102.17	222.2	18.8	434.6	399.9	34.72	12.517	
11,650.0	11,563.5	11,659.4	11,622.6	23.5	18.7	-103.91	192.5	19.0	437.8	403.0	34.80	12.580	
11,700.0	11,594.7	11,719.9	11,671.3	23.5	18.8	-105.55	156.5	19.2	441.2	406.2	35.02	12.599	
11,750.0	11,622.4	11,782.4	11,717.3	23.5	18.9	-107.07	114.3	19.5	444.6	409.3	35.37	12.569	
11,800.0	11,646.4	11,846.9	11,759.6	23.6	19.0	-108.45	65.6	19.8	448.0	412.1	35.87	12.490	
11,850.0	11,666.4	11,913.3	11,797.2	23.6	19.1	-109.67	10.9	20.2	451.1	414.6	36.48	12.367	
11,900.0	11,682.4	11,981.5	11,828.9	23.7	19.1	-110.70	-49.3	20.6	453.9	416.7	37.18	12.209	
11,950.0	11,694.2	12,051.2	11,853.8	23.7	19.2	-111.52	-114.4	21.0	456.2	418.3	37.92	12.029	
12,000.0	11,701.7	12,122.1	11,870.7	23.8	19.2	-112.11	-183.2	21.4	457.9	419.2	38.67	11.841	
12,050.0	11,704.9	12,193.8	11,879.1	23.8	19.3	-112.46	-254.4	21.9	458.9	419.5	39.37	11.657	
12,061.4	11,705.0	12,210.3	11,879.8	23.8	19.3	-112.51	-270.8	22.0	459.0	419.5	39.51	11.618	
12,100.0	11,705.0	12,253.4	11,880.0	23.9	19.3	-112.53	-314.0	22.3	459.1	419.4	39.71	11.560	
12,200.0	11,705.0	12,353.4	11,880.0	24.0	19.3	-112.53	-414.0	22.9	459.1	419.0	40.05	11.464	
12,300.0	11,705.0	12,453.4	11,880.0	24.1	19.3	-112.53	-514.0	23.6	459.1	418.7	40.43	11.355	
12,400.0	11,705.0	12,553.4	11,880.0	24.2	19.3	-112.53	-614.0	24.2	459.1	418.2	40.87	11.232	
12,500.0	11,705.0	12,653.4	11,880.0	24.4	19.4	-112.53	-714.0	24.9	459.1	417.7	41.36	11.099	
12,600.0	11,705.0	12,753.4	11,880.0	24.6	19.4	-112.53	-814.0	25.5	459.1	417.2	41.90	10.956	
12,700.0	11,705.0	12,853.4	11,880.0	24.8	19.4	-112.53	-914.0	26.2	459.1	416.6	42.49	10.805	
12,800.0	11,705.0	12,953.4	11,880.0	25.0	19.4	-112.53	-1,014.0	26.8	459.1	416.0	43.12	10.646	
12,900.0	11,705.0	13,053.4	11,880.0	25.2	19.5	-112.53	-1,114.0	27.5	459.1	415.3	43.80	10.481	
13,000.0	11,705.0	13,153.4	11,880.0	25.5	19.5	-112.53	-1,214.0	28.1	459.1	414.6	44.52	10.312	
13,100.0	11,705.0	13,253.4	11,880.0	25.7	19.6	-112.53	-1,314.0	28.8	459.1	413.8	45.28	10.140	
13,200.0	11,705.0	13,353.4	11,880.0	26.0	19.6	-112.53	-1,414.0	29.4	459.1	413.0	46.07	9.965	
13,300.0	11,705.0	13,453.4	11,880.0	26.3	19.9	-112.53	-1,514.0	30.1	459.1	412.2	46.90	9.788	
13,400.0	11,705.0	13,553.4	11,880.0	26.6	20.4	-112.53	-1,614.0	30.8	459.1	411.3	47.77	9.611	
13,500.0	11,705.0	13,653.4	11,880.0	27.0	20.9	-112.53	-1,714.0	31.4	459.1	410.4	48.66	9.434	
13,600.0	11,705.0	13,753.4	11,880.0	27.3	21.4	-112.53	-1,814.0	32.1	459.1	409.5	49.59	9.258	
13,700.0	11,705.0	13,853.4	11,880.0	27.7	22.0	-112.53	-1,914.0	32.7	459.1	408.5	50.55	9.083	
13,800.0	11,705.0	13,953.4	11,880.0	28.1	22.5	-112.53	-2,013.9	33.4	459.1	407.6	51.53	8.909	
13,900.0	11,705.0	14,053.4	11,880.0	28.5	23.1	-112.53	-2,113.9	34.0	459.1	406.5	52.54	8.739	
14,000.0	11,705.0	14,153.4	11,880.0	28.9	23.7	-112.53	-2,213.9	34.7	459.1	405.5	53.57	8.570	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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		Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.0	11,705.0	14,253.4	11,880.0	29.4	24.3	-112.53	-2,313.9	35.3	459.1	404.5	54.62	8.405	
14,200.0	11,705.0	14,353.4	11,880.0	29.8	24.9	-112.53	-2,413.9	36.0	459.1	403.4	55.70	8.243	
14,300.0	11,705.0	14,453.4	11,880.0	30.3	25.5	-112.53	-2,513.9	36.6	459.1	402.3	56.79	8.084	
14,400.0	11,705.0	14,553.4	11,880.0	30.8	26.1	-112.53	-2,613.9	37.3	459.1	401.2	57.91	7.928	
14,500.0	11,705.0	14,653.4	11,880.0	31.3	26.8	-112.53	-2,713.9	37.9	459.1	400.0	59.04	7.776	
14,600.0	11,705.0	14,753.4	11,880.0	31.8	27.4	-112.53	-2,813.9	38.6	459.1	398.9	60.19	7.628	
14,700.0	11,705.0	14,853.4	11,880.0	32.3	28.1	-112.53	-2,913.9	39.2	459.1	397.7	61.35	7.483	
14,800.0	11,705.0	14,953.4	11,880.0	32.9	28.7	-112.53	-3,013.9	39.9	459.1	396.5	62.53	7.342	
14,900.0	11,705.0	15,053.4	11,880.0	33.4	29.4	-112.53	-3,113.9	40.5	459.1	395.3	63.72	7.204	
15,000.0	11,705.0	15,153.4	11,880.0	34.0	30.0	-112.53	-3,213.9	41.2	459.1	394.1	64.93	7.070	
15,100.0	11,705.0	15,253.4	11,880.0	34.5	30.7	-112.53	-3,313.9	41.8	459.1	392.9	66.15	6.940	
15,200.0	11,705.0	15,353.4	11,880.0	35.1	31.4	-112.53	-3,413.9	42.5	459.1	391.7	67.38	6.813	
15,300.0	11,705.0	15,453.4	11,880.0	35.7	32.0	-112.53	-3,513.9	43.1	459.1	390.4	68.63	6.689	
15,400.0	11,705.0	15,553.4	11,880.0	36.3	32.7	-112.53	-3,613.9	43.8	459.1	389.2	69.88	6.569	
15,500.0	11,705.0	15,653.4	11,880.0	36.9	33.4	-112.53	-3,713.9	44.4	459.1	387.9	71.14	6.453	
15,600.0	11,705.0	15,753.4	11,880.0	37.5	34.1	-112.53	-3,813.9	45.1	459.1	386.7	72.42	6.339	
15,700.0	11,705.0	15,853.4	11,880.0	38.1	34.8	-112.53	-3,913.9	45.7	459.1	385.4	73.70	6.229	
15,800.0	11,705.0	15,953.4	11,880.0	38.7	35.4	-112.53	-4,013.9	46.4	459.1	384.1	74.99	6.122	
15,900.0	11,705.0	16,053.4	11,880.0	39.3	36.1	-112.53	-4,113.9	47.0	459.1	382.8	76.29	6.017	
16,000.0	11,705.0	16,153.4	11,880.0	39.9	36.8	-112.53	-4,213.9	47.7	459.1	381.5	77.60	5.916	
16,100.0	11,705.0	16,253.4	11,880.0	40.6	37.5	-112.53	-4,313.9	48.3	459.1	380.2	78.91	5.818	
16,200.0	11,705.0	16,353.4	11,880.0	41.2	38.2	-112.53	-4,413.9	49.0	459.1	378.8	80.23	5.722	
16,300.0	11,705.0	16,453.4	11,880.0	41.9	38.9	-112.53	-4,513.9	49.6	459.1	377.5	81.56	5.629	
16,400.0	11,705.0	16,553.4	11,880.0	42.5	39.6	-112.53	-4,613.9	50.3	459.1	376.2	82.89	5.538	
16,500.0	11,705.0	16,653.4	11,880.0	43.2	40.4	-112.53	-4,713.9	50.9	459.1	374.8	84.23	5.450	
16,600.0	11,705.0	16,753.4	11,880.0	43.8	41.1	-112.53	-4,813.9	51.6	459.1	373.5	85.58	5.364	
16,700.0	11,705.0	16,853.4	11,880.0	44.5	41.8	-112.53	-4,913.9	52.2	459.1	372.1	86.93	5.281	
16,800.0	11,705.0	16,953.4	11,880.0	45.1	42.5	-112.53	-5,013.9	52.9	459.1	370.8	88.29	5.200	
16,900.0	11,705.0	17,053.4	11,880.0	45.8	43.2	-112.53	-5,113.9	53.5	459.1	369.4	89.65	5.121	
17,000.0	11,705.0	17,153.4	11,880.0	46.5	43.9	-112.53	-5,213.9	54.2	459.1	368.0	91.02	5.044	
17,100.0	11,705.0	17,253.4	11,880.0	47.2	44.6	-112.53	-5,313.9	54.8	459.1	366.7	92.39	4.969	
17,200.0	11,705.0	17,353.4	11,880.0	47.8	45.4	-112.53	-5,413.9	55.5	459.1	365.3	93.76	4.896	
17,300.0	11,705.0	17,453.4	11,880.0	48.5	46.1	-112.53	-5,513.9	56.2	459.1	363.9	95.14	4.825	
17,400.0	11,705.0	17,553.4	11,880.0	49.2	46.8	-112.53	-5,613.9	56.8	459.1	362.5	96.52	4.756	
17,500.0	11,705.0	17,653.4	11,880.0	49.9	47.5	-112.53	-5,713.9	57.5	459.1	361.1	97.91	4.689	
17,600.0	11,705.0	17,753.4	11,880.0	50.6	48.3	-112.53	-5,813.9	58.1	459.1	359.8	99.30	4.623	
17,700.0	11,705.0	17,853.4	11,880.0	51.2	49.0	-112.53	-5,913.9	58.8	459.1	358.4	100.70	4.559	
17,800.0	11,705.0	17,953.4	11,880.0	51.9	49.7	-112.53	-6,013.9	59.4	459.1	357.0	102.09	4.496	
17,900.0	11,705.0	18,053.4	11,880.0	52.6	50.4	-112.53	-6,113.9	60.1	459.1	355.6	103.50	4.436	
18,000.0	11,705.0	18,153.4	11,880.0	53.3	51.2	-112.53	-6,213.9	60.7	459.1	354.2	104.90	4.376	
18,100.0	11,705.0	18,253.4	11,880.0	54.0	51.9	-112.53	-6,313.9	61.4	459.1	352.8	106.31	4.318	
18,200.0	11,705.0	18,353.4	11,880.0	54.7	52.6	-112.53	-6,413.9	62.0	459.1	351.3	107.72	4.262	
18,300.0	11,705.0	18,453.4	11,880.0	55.4	53.4	-112.53	-6,513.9	62.7	459.1	349.9	109.13	4.207	
18,400.0	11,705.0	18,553.4	11,880.0	56.1	54.1	-112.53	-6,613.9	63.3	459.1	348.5	110.54	4.153	
18,500.0	11,705.0	18,653.4	11,880.0	56.8	54.8	-112.53	-6,713.8	64.0	459.1	347.1	111.96	4.100	
18,600.0	11,705.0	18,753.4	11,880.0	57.5	55.6	-112.53	-6,813.8	64.6	459.1	345.7	113.38	4.049	
18,700.0	11,705.0	18,853.4	11,880.0	58.3	56.3	-112.53	-6,913.8	65.3	459.1	344.3	114.80	3.999	
18,800.0	11,705.0	18,953.4	11,880.0	59.0	57.0	-112.53	-7,013.8	65.9	459.1	342.8	116.23	3.950	
18,900.0	11,705.0	19,053.4	11,880.0	59.7	57.8	-112.53	-7,113.8	66.6	459.1	341.4	117.66	3.902	
19,000.0	11,705.0	19,153.4	11,880.0	60.4	58.5	-112.53	-7,213.8	67.2	459.1	340.0	119.08	3.855	
19,100.0	11,705.0	19,253.4	11,880.0	61.1	59.3	-112.53	-7,313.8	67.9	459.1	338.5	120.52	3.809	
19,200.0	11,705.0	19,353.4	11,880.0	61.8	60.0	-112.53	-7,413.8	68.5	459.1	337.1	121.95	3.764	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	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
19,300.0	11,705.0	19,453.4	11,880.0	62.5	60.7	-112.53	-7,513.8	69.2	459.1	335.7		123.38	3.721
19,400.0	11,705.0	19,553.4	11,880.0	63.3	61.5	-112.53	-7,613.8	69.8	459.1	334.2		124.82	3.678
19,500.0	11,705.0	19,653.4	11,880.0	64.0	62.2	-112.53	-7,713.8	70.5	459.1	332.8		126.26	3.636
19,600.0	11,705.0	19,753.4	11,880.0	64.7	63.0	-112.53	-7,813.8	71.1	459.1	331.4		127.70	3.595
19,700.0	11,705.0	19,853.4	11,880.0	65.4	63.7	-112.53	-7,913.8	71.8	459.1	329.9		129.14	3.555
19,800.0	11,705.0	19,953.4	11,880.0	66.1	64.4	-112.53	-8,013.8	72.4	459.0	328.5		130.58	3.515
19,900.0	11,705.0	20,053.4	11,880.0	66.9	65.2	-112.53	-8,113.8	73.1	459.0	327.0		132.03	3.477
20,000.0	11,705.0	20,153.4	11,880.0	67.6	65.9	-112.53	-8,213.8	73.7	459.0	325.6		133.47	3.439
20,100.0	11,705.0	20,253.4	11,880.0	68.3	66.7	-112.53	-8,313.8	74.4	459.0	324.1		134.92	3.402
20,200.0	11,705.0	20,353.4	11,880.0	69.0	67.4	-112.53	-8,413.8	75.0	459.0	322.7		136.37	3.366
20,300.0	11,705.0	20,453.4	11,880.0	69.8	68.2	-112.53	-8,513.8	75.7	459.0	321.2		137.82	3.331
20,400.0	11,705.0	20,553.4	11,880.0	70.5	68.9	-112.53	-8,613.8	76.3	459.0	319.8		139.27	3.296
20,500.0	11,705.0	20,653.4	11,880.0	71.2	69.6	-112.53	-8,713.8	77.0	459.0	318.3		140.73	3.262
20,600.0	11,705.0	20,753.4	11,880.0	71.9	70.4	-112.53	-8,813.8	77.6	459.0	316.9		142.18	3.229
20,700.0	11,705.0	20,853.4	11,880.0	72.7	71.1	-112.53	-8,913.8	78.3	459.0	315.4		143.64	3.196
20,800.0	11,705.0	20,953.4	11,880.0	73.4	71.9	-112.53	-9,013.8	78.9	459.0	314.0		145.09	3.164
20,900.0	11,705.0	21,053.4	11,880.0	74.1	72.6	-112.53	-9,113.8	79.6	459.0	312.5		146.55	3.132
21,000.0	11,705.0	21,153.4	11,880.0	74.9	73.4	-112.53	-9,213.8	80.2	459.0	311.0		148.01	3.101
21,100.0	11,705.0	21,253.4	11,880.0	75.6	74.1	-112.53	-9,313.8	80.9	459.0	309.6		149.47	3.071
21,200.0	11,705.0	21,353.4	11,880.0	76.3	74.9	-112.53	-9,413.8	81.6	459.0	308.1		150.93	3.041
21,300.0	11,705.0	21,453.4	11,880.0	77.1	75.6	-112.53	-9,513.8	82.2	459.0	306.7		152.39	3.012
21,400.0	11,705.0	21,553.4	11,880.0	77.8	76.4	-112.53	-9,613.8	82.9	459.0	305.2		153.85	2.984
21,500.0	11,705.0	21,653.4	11,880.0	78.5	77.1	-112.53	-9,713.8	83.5	459.0	303.7		155.32	2.955
21,543.6	11,705.0	21,697.0	11,880.0	78.8	77.4	-112.53	-9,757.3	83.8	459.0	303.1		155.95	2.943
21,581.6	11,705.0	21,735.0	11,880.0	79.1	77.7	-112.53	-9,795.3	84.0	459.0	302.5		156.51	2.933 SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	90.33	-0.3	60.0	60.1				
100.0	100.0	98.8	98.8	3.0	3.0	90.33	-0.3	60.0	60.1	53.5	6.52	9.211	
200.0	200.0	198.8	198.8	3.2	3.2	90.33	-0.3	60.0	60.1	53.3	6.76	8.885	
300.0	300.0	298.8	298.8	3.3	3.3	90.33	-0.3	60.0	60.1	53.1	6.99	8.591	
400.0	400.0	398.8	398.8	3.4	3.4	90.33	-0.3	60.0	60.1	52.8	7.21	8.325	
500.0	500.0	498.8	498.8	3.5	3.5	90.33	-0.3	60.0	60.1	52.6	7.43	8.083	
600.0	600.0	598.8	598.8	3.7	3.7	90.33	-0.3	60.0	60.1	52.4	7.64	7.861	
700.0	700.0	698.8	698.8	3.8	3.8	90.33	-0.3	60.0	60.1	52.2	7.84	7.657	
800.0	800.0	798.8	798.8	3.9	3.9	90.33	-0.3	60.0	60.1	52.0	8.04	7.468	
900.0	900.0	898.8	898.8	4.0	4.0	90.33	-0.3	60.0	60.1	51.8	8.23	7.293	
1,000.0	1,000.0	998.8	998.8	4.2	4.2	90.33	-0.3	60.0	60.1	51.6	8.42	7.130	
1,100.0	1,100.0	1,098.8	1,098.8	4.3	4.3	90.33	-0.3	60.0	60.1	51.4	8.61	6.978	
1,200.0	1,200.0	1,198.8	1,198.8	4.4	4.4	90.33	-0.3	60.0	60.1	51.3	8.79	6.835	
1,300.0	1,300.0	1,298.8	1,298.8	4.5	4.5	90.33	-0.3	60.0	60.1	51.1	8.96	6.701	
1,400.0	1,400.0	1,398.8	1,398.8	4.6	4.6	90.33	-0.3	60.0	60.1	50.9	9.13	6.575	
1,500.0	1,500.0	1,498.8	1,498.8	4.8	4.7	90.33	-0.3	60.0	60.1	50.7	9.30	6.455 CC, ES	
1,600.0	1,600.0	1,598.0	1,598.0	4.9	4.9	144.23	0.7	60.7	62.1	52.5	9.55	6.504	
1,700.0	1,699.8	1,697.0	1,696.9	5.1	5.1	143.92	4.0	62.6	68.3	58.3	9.95	6.859	
1,800.0	1,799.5	1,795.5	1,795.2	5.4	5.3	143.48	9.5	65.8	78.5	68.2	10.36	7.576	
1,850.0	1,849.1	1,844.5	1,844.1	5.4	5.4	143.24	13.1	67.8	85.2	74.7	10.51	8.106	
1,900.0	1,898.8	1,893.4	1,892.7	5.5	5.5	142.92	17.2	70.2	92.5	81.9	10.65	8.684	
2,000.0	1,998.0	1,990.8	1,989.5	5.7	5.8	141.57	26.9	75.8	108.2	97.1	11.03	9.806	
2,100.0	2,097.3	2,087.1	2,084.9	6.0	6.0	139.94	38.0	82.7	125.4	114.0	11.36	11.037	
2,200.0	2,196.5	2,182.4	2,179.3	6.3	6.2	139.55	47.0	91.7	144.6	132.9	11.78	12.275	
2,300.0	2,295.8	2,277.3	2,273.3	6.6	6.4	140.11	53.7	102.7	165.9	153.8	12.19	13.618	
2,400.0	2,395.0	2,374.8	2,369.8	6.9	6.7	140.86	59.6	114.9	188.1	175.4	12.66	14.854	
2,500.0	2,494.3	2,472.3	2,466.4	7.2	6.9	141.46	65.6	127.1	210.2	197.1	13.18	15.953	
2,600.0	2,593.5	2,569.7	2,562.9	7.5	7.2	141.94	71.5	139.3	232.4	218.7	13.71	16.948	
2,700.0	2,692.8	2,667.2	2,659.5	7.8	7.5	142.33	77.5	151.5	254.6	240.4	14.27	17.848	
2,800.0	2,792.0	2,764.7	2,756.0	8.2	7.9	142.67	83.4	163.7	276.8	262.0	14.83	18.663	
2,900.0	2,891.3	2,862.2	2,852.6	8.5	8.2	142.95	89.4	175.9	299.0	283.6	15.41	19.402	
3,000.0	2,990.6	2,959.7	2,949.1	8.9	8.5	143.20	95.3	188.1	321.3	305.2	16.00	20.073	
3,100.0	3,089.8	3,057.2	3,045.6	9.2	8.9	143.41	101.3	200.3	343.5	326.9	16.61	20.684	
3,200.0	3,189.1	3,154.7	3,142.2	9.6	9.2	143.60	107.2	212.4	365.7	348.5	17.22	21.241	
3,300.0	3,288.3	3,252.2	3,238.7	10.0	9.6	143.76	113.2	224.6	387.9	370.1	17.84	21.750	
3,400.0	3,387.6	3,349.7	3,335.3	10.4	10.0	143.91	119.1	236.8	410.2	391.7	18.46	22.216	
3,500.0	3,486.8	3,447.2	3,431.8	10.7	10.3	144.04	125.1	249.0	432.4	413.3	19.10	22.643	
3,600.0	3,586.1	3,544.7	3,528.4	11.1	10.7	144.16	131.0	261.2	454.6	434.9	19.74	23.036	
3,700.0	3,685.3	3,642.2	3,624.9	11.5	11.1	144.27	136.9	273.4	476.9	456.5	20.38	23.398	
3,800.0	3,784.6	3,739.7	3,721.4	11.9	11.5	144.37	142.9	285.6	499.1	478.1	21.03	23.732	
3,900.0	3,883.8	3,837.1	3,818.0	12.3	11.8	144.46	148.8	297.8	521.3	499.7	21.69	24.041	
4,000.0	3,983.1	3,934.6	3,914.5	12.7	12.2	144.54	154.8	310.0	543.6	521.2	22.34	24.328	
4,100.0	4,082.4	4,032.1	4,011.1	13.1	12.6	144.62	160.7	322.2	565.8	542.8	23.01	24.594	
4,200.0	4,181.6	4,129.6	4,107.6	13.5	13.0	144.69	166.7	334.4	588.1	564.4	23.67	24.841	
4,300.0	4,280.9	4,227.1	4,204.2	13.9	13.4	144.75	172.6	346.6	610.3	586.0	24.34	25.072	
4,400.0	4,380.1	4,324.6	4,300.7	14.2	13.8	144.81	178.6	358.8	632.6	607.5	25.01	25.288	
4,500.0	4,479.4	4,422.1	4,397.2	14.6	14.2	144.87	184.5	371.0	654.8	629.1	25.69	25.489	
4,600.0	4,578.6	4,519.6	4,493.8	15.0	14.6	144.92	190.5	383.2	677.0	650.7	26.37	25.678	
4,700.0	4,677.9	4,617.1	4,590.3	15.4	15.0	144.97	196.4	395.4	699.3	672.2	27.05	25.856	
4,800.0	4,777.1	4,714.6	4,686.9	15.9	15.4	145.02	202.4	407.6	721.5	693.8	27.73	26.022	
4,900.0	4,876.4	4,816.7	4,788.0	16.3	15.8	145.07	208.6	420.3	743.7	715.3	28.46	26.133	
5,000.0	4,975.7	4,944.6	4,915.1	16.7	16.5	145.25	214.7	432.9	763.4	734.0	29.43	25.943	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.0	5,074.9	5,074.1	5,044.3	17.1	16.9	145.63	218.4	440.5	779.3	749.0	30.23	25.774	
5,200.0	5,174.2	5,202.8	5,173.0	17.5	17.2	146.19	219.6	442.9	791.1	760.3	30.82	25.668	
5,300.0	5,273.4	5,302.0	5,272.2	17.9	17.3	146.67	219.6	442.9	801.3	770.0	31.32	25.586	
5,400.0	5,372.7	5,401.3	5,371.5	18.3	17.4	147.14	219.6	442.9	811.5	779.8	31.73	25.580	
5,439.6	5,412.0	5,440.6	5,410.8	18.4	17.4	147.33	219.6	442.9	815.6	783.7	31.88	25.585	
5,500.0	5,472.0	5,500.6	5,470.8	18.7	17.4	147.62	219.6	442.9	821.6	789.4	32.11	25.582	
5,600.0	5,571.4	5,600.0	5,570.3	19.1	17.5	148.05	219.6	442.9	830.3	797.7	32.52	25.529	
5,700.0	5,671.1	5,699.7	5,669.9	19.4	17.5	148.40	219.6	442.9	837.5	804.6	32.92	25.441	
5,800.0	5,770.8	5,799.4	5,769.7	19.8	17.6	148.67	219.6	442.9	843.3	810.0	33.31	25.321	
5,900.0	5,870.7	5,899.3	5,869.5	20.1	17.6	148.87	219.6	442.9	847.6	814.0	33.67	25.174	
6,000.0	5,970.6	5,999.3	5,969.5	20.4	17.7	149.00	219.6	442.9	850.5	816.5	34.01	25.006	
6,100.0	6,070.6	6,099.2	6,069.5	20.7	17.8	149.06	219.6	442.9	851.8	817.5	34.31	24.830	
6,139.6	6,110.3	6,138.9	6,109.1	20.7	17.8	95.06	219.6	442.9	851.9	817.6	34.37	24.789	
6,200.0	6,170.6	6,199.2	6,169.5	20.8	17.8	95.06	219.6	442.9	851.9	817.5	34.42	24.753	
6,300.0	6,270.6	6,299.2	6,269.5	20.8	17.9	95.06	219.6	442.9	851.9	817.4	34.52	24.679	
6,400.0	6,370.6	6,399.2	6,369.5	20.8	17.9	95.06	219.6	442.9	851.9	817.3	34.62	24.605	
6,500.0	6,470.6	6,499.2	6,469.5	20.9	18.0	95.06	219.6	442.9	851.9	817.2	34.73	24.531	
6,600.0	6,570.6	6,599.2	6,569.5	20.9	18.0	95.06	219.6	442.9	851.9	817.1	34.83	24.457	
6,700.0	6,670.6	6,699.2	6,669.5	21.0	18.1	95.06	219.6	442.9	851.9	817.0	34.94	24.383	
6,800.0	6,770.6	6,799.2	6,769.5	21.0	18.1	95.06	219.6	442.9	851.9	816.9	35.05	24.310	
6,900.0	6,870.6	6,899.2	6,869.5	21.1	18.2	95.06	219.6	442.9	851.9	816.8	35.15	24.236	
7,000.0	6,970.6	6,999.2	6,969.5	21.1	18.2	95.06	219.6	442.9	851.9	816.7	35.26	24.163	
7,100.0	7,070.6	7,099.2	7,069.5	21.2	18.3	95.06	219.6	442.9	851.9	816.6	35.36	24.090	
7,200.0	7,170.6	7,199.2	7,169.5	21.2	18.3	95.06	219.6	442.9	851.9	816.5	35.47	24.017	
7,300.0	7,270.6	7,299.2	7,269.5	21.3	18.4	95.06	219.6	442.9	851.9	816.4	35.58	23.944	
7,400.0	7,370.6	7,399.2	7,369.5	21.3	18.4	95.06	219.6	442.9	851.9	816.3	35.69	23.872	
7,500.0	7,470.6	7,499.2	7,469.5	21.3	18.5	95.06	219.6	442.9	851.9	816.1	35.80	23.799	
7,600.0	7,570.6	7,599.2	7,569.5	21.4	18.5	95.06	219.6	442.9	851.9	816.0	35.91	23.727	
7,700.0	7,670.6	7,699.2	7,669.5	21.4	18.6	95.06	219.6	442.9	851.9	815.9	36.02	23.655	
7,800.0	7,770.6	7,799.2	7,769.5	21.5	18.7	95.06	219.6	442.9	851.9	815.8	36.13	23.583	
7,900.0	7,870.6	7,899.2	7,869.5	21.5	18.7	95.06	219.6	442.9	851.9	815.7	36.24	23.511	
8,000.0	7,970.6	7,999.2	7,969.5	21.6	18.8	95.06	219.6	442.9	851.9	815.6	36.35	23.440	
8,100.0	8,070.6	8,099.2	8,069.5	21.6	18.8	95.06	219.6	442.9	851.9	815.5	36.46	23.368	
8,200.0	8,170.6	8,199.2	8,169.5	21.7	18.9	95.06	219.6	442.9	851.9	815.4	36.57	23.297	
8,300.0	8,270.6	8,299.2	8,269.5	21.7	18.9	95.06	219.6	442.9	851.9	815.3	36.68	23.226	
8,400.0	8,370.6	8,399.2	8,369.5	21.8	19.0	95.06	219.6	442.9	851.9	815.2	36.79	23.156	
8,500.0	8,470.6	8,499.2	8,469.5	21.8	19.0	95.06	219.6	442.9	851.9	815.0	36.90	23.085	
8,600.0	8,570.6	8,599.2	8,569.5	21.9	19.1	95.06	219.6	442.9	851.9	814.9	37.02	23.015	
8,700.0	8,670.6	8,699.2	8,669.5	21.9	19.2	95.06	219.6	442.9	851.9	814.8	37.13	22.945	
8,800.0	8,770.6	8,799.2	8,769.5	22.0	19.2	95.06	219.6	442.9	851.9	814.7	37.24	22.875	
8,900.0	8,870.6	8,899.2	8,869.5	22.0	19.3	95.06	219.6	442.9	851.9	814.6	37.36	22.805	
9,000.0	8,970.6	8,999.2	8,969.5	22.1	19.3	95.06	219.6	442.9	851.9	814.5	37.47	22.735	
9,100.0	9,070.6	9,099.2	9,069.5	22.1	19.4	95.06	219.6	442.9	851.9	814.4	37.59	22.666	
9,200.0	9,170.6	9,199.2	9,169.5	22.2	19.4	95.06	219.6	442.9	851.9	814.2	37.70	22.597	
9,300.0	9,270.6	9,299.2	9,269.5	22.2	19.5	95.06	219.6	442.9	851.9	814.1	37.82	22.528	
9,400.0	9,370.6	9,399.2	9,369.5	22.3	19.6	95.06	219.6	442.9	851.9	814.0	37.93	22.459	
9,500.0	9,470.6	9,499.2	9,469.5	22.3	19.6	95.06	219.6	442.9	851.9	813.9	38.05	22.391	
9,600.0	9,570.6	9,599.2	9,569.5	22.4	19.7	95.06	219.6	442.9	851.9	813.8	38.16	22.323	
9,700.0	9,670.6	9,699.2	9,669.5	22.4	19.7	95.06	219.6	442.9	851.9	813.7	38.28	22.255	
9,800.0	9,770.6	9,799.2	9,769.5	22.5	19.8	95.06	219.6	442.9	851.9	813.5	38.40	22.187	
9,900.0	9,870.6	9,899.2	9,869.5	22.5	19.9	95.06	219.6	442.9	851.9	813.4	38.52	22.119	
10,000.0	9,970.6	9,999.2	9,969.5	22.6	19.9	95.06	219.6	442.9	851.9	813.3	38.63	22.052	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,070.6	10,099.2	10,069.5	22.6	20.0	95.06	219.6	442.9	851.9	813.2	38.75	21.985	
10,200.0	10,170.6	10,199.2	10,169.5	22.7	20.0	95.06	219.6	442.9	851.9	813.1	38.87	21.918	
10,300.0	10,270.6	10,299.2	10,269.5	22.7	20.1	95.06	219.6	442.9	851.9	813.0	38.99	21.852	
10,400.0	10,370.6	10,399.2	10,369.5	22.8	20.2	95.06	219.6	442.9	851.9	812.8	39.11	21.785	
10,500.0	10,470.6	10,499.2	10,469.5	22.8	20.2	95.06	219.6	442.9	851.9	812.7	39.23	21.719	
10,600.0	10,570.6	10,599.2	10,569.5	22.9	20.3	95.06	219.6	442.9	851.9	812.6	39.34	21.653	
10,700.0	10,670.6	10,699.2	10,669.5	22.9	20.3	95.06	219.6	442.9	851.9	812.5	39.46	21.587	
10,800.0	10,770.6	10,799.2	10,769.5	23.0	20.4	95.06	219.6	442.9	851.9	812.4	39.58	21.522	
10,900.0	10,870.6	10,899.2	10,869.5	23.0	20.5	95.06	219.6	442.9	851.9	812.2	39.70	21.457	
11,000.0	10,970.6	10,999.2	10,969.5	23.1	20.5	95.06	219.6	442.9	851.9	812.1	39.83	21.392	
11,100.0	11,070.6	11,099.2	11,069.5	23.2	20.6	95.06	219.6	442.9	851.9	812.0	39.95	21.327	
11,161.4	11,132.0	11,160.7	11,130.9	23.2	20.6	95.06	219.6	442.9	851.9	811.9	40.00	21.299	
11,200.0	11,170.6	11,194.6	11,164.8	23.2	20.6	-84.58	218.7	442.9	851.9	811.9	40.01	21.291	
11,250.0	11,220.3	11,238.5	11,208.5	23.2	20.6	-84.63	214.5	442.9	851.8	811.8	40.02	21.287	
11,300.0	11,269.3	11,282.4	11,251.7	23.3	20.7	-84.72	207.0	443.0	851.7	811.7	40.02	21.283	
11,350.0	11,317.2	11,326.4	11,294.4	23.3	20.7	-84.84	196.1	443.0	851.6	811.5	40.01	21.281	
11,400.0	11,363.8	11,370.6	11,336.2	23.3	20.7	-85.00	182.0	443.1	851.4	811.3	40.01	21.280	
11,450.0	11,408.6	11,414.8	11,376.9	23.3	20.7	-85.20	164.6	443.2	851.1	811.1	40.00	21.278	
11,500.0	11,451.3	11,459.3	11,416.3	23.4	20.8	-85.43	144.1	443.4	850.8	810.8	39.99	21.277	
11,550.0	11,491.5	11,504.0	11,454.2	23.4	20.8	-85.68	120.4	443.5	850.5	810.6	39.98	21.274	
11,600.0	11,529.0	11,550.0	11,491.2	23.4	20.8	-85.98	93.1	443.7	850.2	810.3	39.97	21.270	
11,650.0	11,563.5	11,594.2	11,524.5	23.5	20.8	-86.29	64.1	443.9	849.9	809.9	39.97	21.264	
11,700.0	11,594.7	11,639.7	11,556.4	23.5	20.9	-86.63	31.6	444.1	849.6	809.6	39.97	21.255	
11,750.0	11,622.4	11,685.6	11,585.9	23.5	20.9	-87.00	-3.6	444.3	849.3	809.3	39.98	21.242	
11,800.0	11,646.4	11,731.9	11,612.6	23.6	21.0	-87.39	-41.4	444.6	849.0	809.0	40.00	21.224	
11,850.0	11,666.4	11,778.6	11,636.4	23.6	21.0	-87.81	-81.5	444.8	848.7	808.7	40.03	21.201	
11,900.0	11,682.4	11,825.8	11,657.1	23.7	21.0	-88.23	-123.9	445.1	848.5	808.4	40.08	21.170	
11,950.0	11,694.2	11,873.4	11,674.3	23.7	21.1	-88.68	-168.3	445.4	848.3	808.2	40.14	21.132	
12,000.0	11,701.7	11,921.6	11,687.9	23.8	21.1	-89.13	-214.5	445.7	848.2	808.0	40.22	21.087	
12,050.0	11,704.9	11,970.3	11,697.7	23.8	21.2	-89.59	-262.2	446.0	848.1	807.8	40.32	21.032	
12,061.4	11,705.0	11,981.5	11,699.4	23.8	21.2	-89.70	-273.3	446.1	848.1	807.8	40.35	21.019	
12,100.0	11,705.0	12,019.7	11,703.5	23.9	21.3	-89.98	-311.3	446.3	848.1	807.7	40.44	20.970	
12,136.7	11,705.0	12,056.4	11,705.0	23.9	21.3	-90.08	-347.9	446.6	848.1	807.6	40.55	20.915	
12,200.0	11,705.0	12,119.7	11,705.0	24.0	21.4	-90.08	-411.2	447.0	848.1	807.4	40.74	20.815	
12,300.0	11,705.0	12,219.7	11,705.0	24.1	21.5	-90.08	-511.2	447.6	848.1	807.0	41.11	20.631	
12,400.0	11,705.0	12,319.7	11,705.0	24.2	21.7	-90.08	-611.2	448.3	848.1	806.6	41.52	20.425	
12,500.0	11,705.0	12,419.7	11,705.0	24.4	21.9	-90.08	-711.2	448.9	848.1	806.1	41.99	20.198	
12,600.0	11,705.0	12,519.7	11,705.0	24.6	22.1	-90.08	-811.2	449.6	848.1	805.6	42.50	19.954	
12,700.0	11,705.0	12,619.7	11,705.0	24.8	22.3	-90.08	-911.2	450.2	848.1	805.0	43.06	19.693	
12,800.0	11,705.0	12,719.7	11,705.0	25.0	22.5	-90.08	-1,011.2	450.9	848.1	804.4	43.67	19.420	
12,900.0	11,705.0	12,819.7	11,705.0	25.2	22.8	-90.08	-1,111.2	451.5	848.1	803.8	44.32	19.135	
13,000.0	11,705.0	12,919.7	11,705.0	25.5	23.1	-90.08	-1,211.2	452.2	848.1	803.1	45.01	18.841	
13,100.0	11,705.0	13,019.7	11,705.0	25.7	23.4	-90.08	-1,311.2	452.8	848.1	802.3	45.75	18.539	
13,200.0	11,705.0	13,119.7	11,705.0	26.0	23.7	-90.08	-1,411.2	453.5	848.1	801.6	46.51	18.233	
13,300.0	11,705.0	13,219.7	11,705.0	26.3	24.1	-90.08	-1,511.2	454.1	848.1	800.8	47.32	17.922	
13,400.0	11,705.0	13,319.7	11,705.0	26.6	24.5	-90.08	-1,611.2	454.8	848.1	799.9	48.16	17.610	
13,500.0	11,705.0	13,419.7	11,705.0	27.0	24.9	-90.08	-1,711.2	455.4	848.1	799.1	49.03	17.297	
13,600.0	11,705.0	13,519.7	11,705.0	27.3	25.3	-90.08	-1,811.2	456.1	848.1	798.2	49.93	16.985	
13,700.0	11,705.0	13,619.7	11,705.0	27.7	25.7	-90.08	-1,911.2	456.7	848.1	797.2	50.86	16.674	
13,800.0	11,705.0	13,719.7	11,705.0	28.1	26.1	-90.08	-2,011.2	457.4	848.1	796.3	51.82	16.366	
13,900.0	11,705.0	13,819.7	11,705.0	28.5	26.6	-90.08	-2,111.2	458.0	848.1	795.3	52.81	16.061	
14,000.0	11,705.0	13,919.7	11,705.0	28.9	27.1	-90.08	-2,211.2	458.7	848.1	794.3	53.81	15.760	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.0	11,705.0	14,019.7	11,705.0	29.4	27.6	-90.08	-2,311.2	459.3	848.1	793.2	54.85	15.463	
14,200.0	11,705.0	14,119.7	11,705.0	29.8	28.1	-90.08	-2,411.2	460.0	848.1	792.2	55.90	15.172	
14,300.0	11,705.0	14,219.7	11,705.0	30.3	28.6	-90.08	-2,511.2	460.6	848.1	791.1	56.97	14.886	
14,400.0	11,705.0	14,319.7	11,705.0	30.8	29.1	-90.08	-2,611.2	461.3	848.1	790.0	58.07	14.606	
14,500.0	11,705.0	14,419.7	11,705.0	31.3	29.7	-90.08	-2,711.2	461.9	848.1	788.9	59.18	14.331	
14,600.0	11,705.0	14,519.7	11,705.0	31.8	30.2	-90.08	-2,811.2	462.6	848.1	787.8	60.31	14.063	
14,700.0	11,705.0	14,619.7	11,705.0	32.3	30.8	-90.08	-2,911.2	463.2	848.1	786.6	61.45	13.801	
14,800.0	11,705.0	14,719.7	11,705.0	32.9	31.4	-90.08	-3,011.2	463.9	848.1	785.5	62.61	13.545	
14,900.0	11,705.0	14,819.7	11,705.0	33.4	31.9	-90.08	-3,111.2	464.5	848.1	784.3	63.79	13.295	
15,000.0	11,705.0	14,919.7	11,705.0	34.0	32.5	-90.08	-3,211.2	465.2	848.1	783.1	64.98	13.052	
15,100.0	11,705.0	15,019.7	11,705.0	34.5	33.1	-90.08	-3,311.2	465.8	848.1	781.9	66.18	12.815	
15,200.0	11,705.0	15,119.7	11,705.0	35.1	33.7	-90.08	-3,411.2	466.5	848.1	780.7	67.39	12.584	
15,300.0	11,705.0	15,219.7	11,705.0	35.7	34.3	-90.08	-3,511.2	467.1	848.1	779.4	68.62	12.359	
15,400.0	11,705.0	15,319.7	11,705.0	36.3	35.0	-90.08	-3,611.2	467.8	848.1	778.2	69.85	12.140	
15,500.0	11,705.0	15,419.7	11,705.0	36.9	35.6	-90.08	-3,711.2	468.4	848.1	777.0	71.10	11.927	
15,600.0	11,705.0	15,519.7	11,705.0	37.5	36.2	-90.08	-3,811.2	469.1	848.1	775.7	72.36	11.720	
15,700.0	11,705.0	15,619.7	11,705.0	38.1	36.8	-90.08	-3,911.2	469.7	848.1	774.4	73.63	11.518	
15,800.0	11,705.0	15,719.7	11,705.0	38.7	37.5	-90.08	-4,011.2	470.4	848.1	773.2	74.90	11.322	
15,900.0	11,705.0	15,819.7	11,705.0	39.3	38.1	-90.08	-4,111.1	471.1	848.1	771.9	76.19	11.131	
16,000.0	11,705.0	15,919.7	11,705.0	39.9	38.8	-90.08	-4,211.1	471.7	848.1	770.6	77.48	10.946	
16,100.0	11,705.0	16,019.7	11,705.0	40.6	39.4	-90.08	-4,311.1	472.4	848.1	769.3	78.78	10.765	
16,200.0	11,705.0	16,119.7	11,705.0	41.2	40.1	-90.08	-4,411.1	473.0	848.1	768.0	80.08	10.589	
16,300.0	11,705.0	16,219.7	11,705.0	41.9	40.8	-90.08	-4,511.1	473.7	848.1	766.7	81.40	10.418	
16,400.0	11,705.0	16,319.7	11,705.0	42.5	41.4	-90.08	-4,611.1	474.3	848.1	765.3	82.72	10.252	
16,500.0	11,705.0	16,419.7	11,705.0	43.2	42.1	-90.08	-4,711.1	475.0	848.0	764.0	84.05	10.090	
16,600.0	11,705.0	16,519.7	11,705.0	43.8	42.8	-90.08	-4,811.1	475.6	848.0	762.7	85.38	9.933	
16,700.0	11,705.0	16,619.7	11,705.0	44.5	43.4	-90.08	-4,911.1	476.3	848.0	761.3	86.72	9.779	
16,800.0	11,705.0	16,719.7	11,705.0	45.1	44.1	-90.08	-5,011.1	476.9	848.0	760.0	88.06	9.630	
16,900.0	11,705.0	16,819.7	11,705.0	45.8	44.8	-90.08	-5,111.1	477.6	848.0	758.6	89.41	9.485	
17,000.0	11,705.0	16,919.7	11,705.0	46.5	45.5	-90.08	-5,211.1	478.2	848.0	757.3	90.77	9.343	
17,100.0	11,705.0	17,019.7	11,705.0	47.2	46.2	-90.08	-5,311.1	478.9	848.0	755.9	92.13	9.205	
17,200.0	11,705.0	17,119.7	11,705.0	47.8	46.9	-90.08	-5,411.1	479.5	848.0	754.6	93.49	9.071	
17,300.0	11,705.0	17,219.7	11,705.0	48.5	47.6	-90.08	-5,511.1	480.2	848.0	753.2	94.86	8.940	
17,400.0	11,705.0	17,319.7	11,705.0	49.2	48.2	-90.08	-5,611.1	480.8	848.0	751.8	96.23	8.813	
17,500.0	11,705.0	17,419.7	11,705.0	49.9	48.9	-90.08	-5,711.1	481.5	848.0	750.4	97.60	8.688	
17,600.0	11,705.0	17,519.7	11,705.0	50.6	49.6	-90.08	-5,811.1	482.1	848.0	749.1	98.98	8.567	
17,700.0	11,705.0	17,619.7	11,705.0	51.2	50.3	-90.08	-5,911.1	482.8	848.0	747.7	100.37	8.449	
17,800.0	11,705.0	17,719.7	11,705.0	51.9	51.0	-90.08	-6,011.1	483.4	848.0	746.3	101.76	8.334	
17,900.0	11,705.0	17,819.7	11,705.0	52.6	51.8	-90.08	-6,111.1	484.1	848.0	744.9	103.15	8.222	
18,000.0	11,705.0	17,919.7	11,705.0	53.3	52.5	-90.08	-6,211.1	484.7	848.0	743.5	104.54	8.112	
18,100.0	11,705.0	18,019.7	11,705.0	54.0	53.2	-90.08	-6,311.1	485.4	848.0	742.1	105.94	8.005	
18,200.0	11,705.0	18,119.7	11,705.0	54.7	53.9	-90.08	-6,411.1	486.0	848.0	740.7	107.34	7.901	
18,300.0	11,705.0	18,219.7	11,705.0	55.4	54.6	-90.08	-6,511.1	486.7	848.0	739.3	108.74	7.799	
18,400.0	11,705.0	18,319.7	11,705.0	56.1	55.3	-90.08	-6,611.1	487.3	848.0	737.9	110.14	7.699	
18,500.0	11,705.0	18,419.7	11,705.0	56.8	56.0	-90.08	-6,711.1	488.0	848.0	736.5	111.55	7.602	
18,600.0	11,705.0	18,519.7	11,705.0	57.5	56.7	-90.08	-6,811.1	488.6	848.0	735.1	112.96	7.507	
18,700.0	11,705.0	18,619.7	11,705.0	58.3	57.4	-90.08	-6,911.1	489.3	848.0	733.6	114.37	7.414	
18,800.0	11,705.0	18,719.7	11,705.0	59.0	58.2	-90.08	-7,011.1	489.9	848.0	732.2	115.79	7.324	
18,900.0	11,705.0	18,819.7	11,705.0	59.7	58.9	-90.08	-7,111.1	490.6	848.0	730.8	117.21	7.235	
19,000.0	11,705.0	18,919.7	11,705.0	60.4	59.6	-90.08	-7,211.1	491.2	848.0	729.4	118.63	7.149	
19,100.0	11,705.0	19,019.7	11,705.0	61.1	60.3	-90.08	-7,311.1	491.9	848.0	728.0	120.05	7.064	
19,200.0	11,705.0	19,119.7	11,705.0	61.8	61.0	-90.08	-7,411.1	492.5	848.0	726.5	121.47	6.981	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,300.0	11,705.0	19,219.7	11,705.0	62.5	61.8	-90.08	-7,511.1	493.2	848.0	725.1	122.90	6.900	
19,400.0	11,705.0	19,319.7	11,705.0	63.3	62.5	-90.08	-7,611.1	493.8	848.0	723.7	124.33	6.821	
19,500.0	11,705.0	19,419.7	11,705.0	64.0	63.2	-90.08	-7,711.1	494.5	848.0	722.3	125.76	6.743	
19,600.0	11,705.0	19,519.7	11,705.0	64.7	63.9	-90.08	-7,811.1	495.1	848.0	720.8	127.19	6.667	
19,700.0	11,705.0	19,619.7	11,705.0	65.4	64.7	-90.08	-7,911.1	495.8	848.0	719.4	128.62	6.593	
19,800.0	11,705.0	19,719.7	11,705.0	66.1	65.4	-90.08	-8,011.1	496.4	848.0	718.0	130.06	6.520	
19,900.0	11,705.0	19,819.7	11,705.0	66.9	66.1	-90.08	-8,111.1	497.1	848.0	716.5	131.49	6.449	
20,000.0	11,705.0	19,919.7	11,705.0	67.6	66.9	-90.08	-8,211.1	497.7	848.0	715.1	132.93	6.379	
20,100.0	11,705.0	20,019.7	11,705.0	68.3	67.6	-90.08	-8,311.1	498.4	848.0	713.6	134.37	6.311	
20,200.0	11,705.0	20,119.7	11,705.0	69.0	68.3	-90.08	-8,411.1	499.0	848.0	712.2	135.81	6.244	
20,300.0	11,705.0	20,219.7	11,705.0	69.8	69.0	-90.08	-8,511.1	499.7	848.0	710.7	137.25	6.178	
20,400.0	11,705.0	20,319.7	11,705.0	70.5	69.8	-90.08	-8,611.1	500.3	848.0	709.3	138.70	6.114	
20,500.0	11,705.0	20,419.7	11,705.0	71.2	70.5	-90.08	-8,711.1	501.0	848.0	707.9	140.14	6.051	
20,600.0	11,705.0	20,519.7	11,705.0	71.9	71.2	-90.08	-8,811.0	501.6	848.0	706.4	141.59	5.989	
20,700.0	11,705.0	20,619.7	11,705.0	72.7	72.0	-90.08	-8,911.0	502.3	848.0	705.0	143.04	5.929	
20,800.0	11,705.0	20,719.7	11,705.0	73.4	72.7	-90.08	-9,011.0	502.9	848.0	703.5	144.48	5.869	
20,900.0	11,705.0	20,819.7	11,705.0	74.1	73.5	-90.08	-9,111.0	503.6	848.0	702.1	145.93	5.811	
21,000.0	11,705.0	20,919.7	11,705.0	74.9	74.2	-90.08	-9,211.0	504.2	848.0	700.6	147.39	5.754	
21,100.0	11,705.0	21,019.7	11,705.0	75.6	74.9	-90.08	-9,311.0	504.9	848.0	699.2	148.84	5.697	
21,200.0	11,705.0	21,119.7	11,705.0	76.3	75.7	-90.08	-9,411.0	505.5	848.0	697.7	150.29	5.642	
21,300.0	11,705.0	21,219.7	11,705.0	77.1	76.4	-90.08	-9,511.0	506.2	848.0	696.2	151.75	5.588	
21,400.0	11,705.0	21,319.7	11,705.0	77.8	77.1	-90.08	-9,611.0	506.8	848.0	694.8	153.20	5.535	
21,500.0	11,705.0	21,419.7	11,705.0	78.5	77.9	-90.08	-9,711.0	507.5	848.0	693.3	154.66	5.483	
21,543.6	11,705.0	21,463.3	11,705.0	78.8	78.2	-90.08	-9,754.6	507.8	848.0	692.7	155.29	5.461	
21,581.6	11,705.0	21,501.3	11,705.0	79.1	78.5	-90.08	-9,792.6	508.0	848.0	692.1	155.84	5.441 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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	90.33	-0.5	90.0	90.0				
100.0	100.0	99.1	99.1	3.0	3.0	90.33	-0.5	90.0	90.0	83.5	6.52	13.802	
200.0	200.0	199.1	199.1	3.2	3.2	90.33	-0.5	90.0	90.0	83.2	6.76	13.313	
300.0	300.0	299.1	299.1	3.3	3.3	90.33	-0.5	90.0	90.0	83.0	6.99	12.872	
400.0	400.0	399.1	399.1	3.4	3.4	90.33	-0.5	90.0	90.0	82.8	7.21	12.474	
500.0	500.0	499.1	499.1	3.5	3.5	90.33	-0.5	90.0	90.0	82.6	7.43	12.111	
600.0	600.0	599.1	599.1	3.7	3.7	90.33	-0.5	90.0	90.0	82.3	7.64	11.779	
700.0	700.0	699.1	699.1	3.8	3.8	90.33	-0.5	90.0	90.0	82.1	7.84	11.473	
800.0	800.0	799.1	799.1	3.9	3.9	90.33	-0.5	90.0	90.0	81.9	8.04	11.190	
900.0	900.0	899.1	899.1	4.0	4.0	90.33	-0.5	90.0	90.0	81.7	8.23	10.928	
1,000.0	1,000.0	999.1	999.1	4.2	4.2	90.33	-0.5	90.0	90.0	81.6	8.42	10.684	
1,100.0	1,100.0	1,099.1	1,099.1	4.3	4.3	90.33	-0.5	90.0	90.0	81.4	8.61	10.456	
1,200.0	1,200.0	1,199.1	1,199.1	4.4	4.4	90.33	-0.5	90.0	90.0	81.2	8.79	10.242	
1,300.0	1,300.0	1,299.1	1,299.1	4.5	4.5	90.33	-0.5	90.0	90.0	81.0	8.96	10.041	
1,400.0	1,400.0	1,399.1	1,399.1	4.6	4.6	90.33	-0.5	90.0	90.0	80.8	9.13	9.851	
1,500.0	1,500.0	1,499.1	1,499.1	4.8	4.7	90.33	-0.5	90.0	90.0	80.7	9.30	9.672 CC, ES	
1,600.0	1,600.0	1,597.5	1,597.5	4.9	4.9	144.38	0.4	90.9	92.3	82.7	9.56	9.656 SF	
1,700.0	1,699.8	1,695.5	1,695.4	5.1	5.0	144.48	3.0	93.5	99.2	89.3	9.97	9.950	
1,800.0	1,799.5	1,793.0	1,792.7	5.4	5.2	144.60	7.4	97.9	110.8	100.4	10.40	10.649	
1,850.0	1,849.1	1,841.4	1,840.9	5.4	5.4	144.66	10.3	100.8	118.3	107.7	10.56	11.203	
1,900.0	1,898.8	1,889.6	1,888.9	5.5	5.5	144.70	13.5	104.0	126.6	115.9	10.71	11.814	
2,000.0	1,998.0	1,985.6	1,984.3	5.7	5.7	144.24	21.3	111.8	144.4	133.3	11.11	12.994	
2,100.0	2,097.3	2,079.9	2,077.7	6.0	5.9	143.40	30.2	121.2	164.2	152.7	11.46	14.325	
2,200.0	2,196.5	2,172.0	2,168.7	6.3	6.1	142.98	38.3	133.1	186.8	174.9	11.88	15.717	
2,300.0	2,295.8	2,262.8	2,258.0	6.6	6.4	142.95	45.2	147.4	212.3	199.9	12.35	17.193	
2,400.0	2,395.0	2,352.8	2,346.3	6.9	6.7	143.17	51.0	164.3	240.6	227.8	12.79	18.819	
2,500.0	2,494.3	2,448.4	2,439.8	7.2	6.9	143.44	56.8	183.3	270.1	256.7	13.31	20.289	
2,600.0	2,593.5	2,543.9	2,533.2	7.5	7.2	143.66	62.6	202.3	299.5	285.6	13.89	21.570	
2,700.0	2,692.8	2,639.5	2,626.7	7.8	7.6	143.85	68.5	221.3	329.0	314.5	14.48	22.719	
2,800.0	2,792.0	2,735.1	2,720.2	8.2	7.9	144.00	74.3	240.3	358.4	343.3	15.09	23.750	
2,900.0	2,891.3	2,830.6	2,813.6	8.5	8.3	144.13	80.1	259.3	387.9	372.1	15.72	24.678	
3,000.0	2,990.6	2,926.2	2,907.1	8.9	8.6	144.24	85.9	278.3	417.3	401.0	16.36	25.513	
3,100.0	3,089.8	3,021.8	3,000.6	9.2	9.0	144.33	91.7	297.3	446.8	429.8	17.01	26.266	
3,200.0	3,189.1	3,117.3	3,094.1	9.6	9.4	144.42	97.5	316.3	476.2	458.6	17.67	26.948	
3,300.0	3,288.3	3,212.9	3,187.5	10.0	9.8	144.49	103.3	335.3	505.7	487.3	18.34	27.567	
3,400.0	3,387.6	3,308.4	3,281.0	10.4	10.2	144.56	109.1	354.3	535.1	516.1	19.02	28.130	
3,500.0	3,486.8	3,404.0	3,374.5	10.7	10.6	144.62	114.9	373.3	564.6	544.9	19.71	28.642	
3,600.0	3,586.1	3,499.6	3,468.0	11.1	11.0	144.67	120.7	392.3	594.1	573.7	20.41	29.111	
3,700.0	3,685.3	3,595.1	3,561.4	11.5	11.4	144.72	126.5	411.3	623.5	602.4	21.11	29.540	
3,800.0	3,784.6	3,690.7	3,654.9	11.9	11.8	144.77	132.4	430.3	653.0	631.2	21.81	29.934	
3,900.0	3,883.8	3,786.2	3,748.4	12.3	12.2	144.81	138.2	449.3	682.4	659.9	22.53	30.296	
4,000.0	3,983.1	3,881.8	3,841.8	12.7	12.6	144.84	144.0	468.3	711.9	688.7	23.24	30.631	
4,100.0	4,082.4	3,977.4	3,935.3	13.1	13.0	144.88	149.8	487.3	741.4	717.4	23.96	30.940	
4,200.0	4,181.6	4,072.9	4,028.8	13.5	13.5	144.91	155.6	506.3	770.8	746.1	24.69	31.226	
4,300.0	4,280.9	4,168.5	4,122.3	13.9	13.9	144.94	161.4	525.3	800.3	774.9	25.41	31.492	
4,400.0	4,380.1	4,264.0	4,215.7	14.2	14.3	144.96	167.2	544.3	829.8	803.6	26.14	31.739	
4,500.0	4,479.4	4,359.6	4,309.2	14.6	14.7	144.99	173.0	563.3	859.2	832.3	26.88	31.969	
4,600.0	4,578.6	4,455.2	4,402.7	15.0	15.2	145.01	178.8	582.3	888.7	861.1	27.61	32.184	
4,700.0	4,677.9	4,550.7	4,496.2	15.4	15.6	145.03	184.6	601.3	918.1	889.8	28.35	32.385	
4,800.0	4,777.1	4,646.3	4,589.6	15.9	16.0	145.06	190.4	620.3	947.6	918.5	29.09	32.574	
4,900.0	4,876.4	4,741.8	4,683.1	16.3	16.5	145.07	196.3	639.3	977.1	947.2	29.83	32.750	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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	0.7	0.7	3.0	3.0	90.33	-0.7	119.9	120.0				
100.0	100.0	100.7	100.7	3.0	3.0	90.33	-0.7	119.9	120.0	113.4	6.52	18.395	
200.0	200.0	200.7	200.7	3.2	3.2	90.33	-0.7	119.9	120.0	113.2	6.76	17.741	
300.0	300.0	300.7	300.7	3.3	3.3	90.33	-0.7	119.9	120.0	113.0	6.99	17.155	
400.0	400.0	400.7	400.7	3.4	3.4	90.33	-0.7	119.9	120.0	112.7	7.22	16.624	
500.0	500.0	500.7	500.7	3.5	3.5	90.33	-0.7	119.9	120.0	112.5	7.43	16.141	
600.0	600.0	600.7	600.7	3.7	3.7	90.33	-0.7	119.9	120.0	112.3	7.64	15.698	
700.0	700.0	700.7	700.7	3.8	3.8	90.33	-0.7	119.9	120.0	112.1	7.84	15.291	
800.0	800.0	800.7	800.7	3.9	3.9	90.33	-0.7	119.9	120.0	111.9	8.04	14.915	
900.0	900.0	900.7	900.7	4.0	4.0	90.33	-0.7	119.9	120.0	111.7	8.24	14.565	
1,000.0	1,000.0	1,000.7	1,000.7	4.2	4.2	90.33	-0.7	119.9	120.0	111.5	8.42	14.240	
1,100.0	1,100.0	1,100.7	1,100.7	4.3	4.3	90.33	-0.7	119.9	120.0	111.3	8.61	13.936	
1,200.0	1,200.0	1,200.7	1,200.7	4.4	4.4	90.33	-0.7	119.9	120.0	111.2	8.79	13.651	
1,300.0	1,300.0	1,300.7	1,300.7	4.5	4.5	90.33	-0.7	119.9	120.0	111.0	8.96	13.383	
1,400.0	1,400.0	1,400.7	1,400.7	4.6	4.6	90.33	-0.7	119.9	120.0	110.8	9.14	13.130	
1,466.4	1,466.4	1,467.1	1,467.1	4.7	4.7	90.33	-0.7	119.9	120.0	110.7	9.25	12.971 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	90.33	-0.7	119.9	120.0	110.7	9.30	12.893 ES	
1,600.0	1,600.0	1,598.0	1,598.0	4.9	4.9	144.47	-0.1	121.0	122.5	112.9	9.57	12.800 SF	
1,700.0	1,699.8	1,694.9	1,694.9	5.1	5.0	144.85	1.8	124.3	130.0	120.1	10.00	13.009	
1,800.0	1,799.5	1,791.2	1,790.9	5.4	5.2	145.39	4.8	129.6	142.6	132.2	10.44	13.658	
1,850.0	1,849.1	1,839.0	1,838.5	5.4	5.3	145.69	6.8	133.0	150.8	140.2	10.61	14.214	
1,900.0	1,898.8	1,886.5	1,885.8	5.5	5.4	146.01	9.1	136.9	159.8	149.0	10.77	14.836	
2,000.0	1,998.0	1,981.0	1,979.7	5.7	5.6	146.24	14.4	146.1	179.4	168.2	11.20	16.027	
2,100.0	2,097.3	2,073.7	2,071.6	6.0	5.8	146.10	20.7	157.3	201.2	189.6	11.57	17.393	
2,200.0	2,196.5	2,164.0	2,160.6	6.3	6.1	146.02	26.5	170.8	225.9	213.8	12.02	18.793	
2,300.0	2,295.8	2,252.7	2,247.7	6.6	6.4	146.02	31.8	186.8	253.5	241.0	12.51	20.260	
2,400.0	2,395.0	2,339.8	2,332.7	6.9	6.7	146.09	36.6	205.1	284.1	271.1	13.00	21.857	
2,500.0	2,494.3	2,430.6	2,420.9	7.2	7.0	146.20	41.2	226.4	317.0	303.5	13.51	23.472	
2,600.0	2,593.5	2,524.9	2,512.4	7.5	7.3	146.29	45.9	248.7	350.2	336.1	14.10	24.830	
2,700.0	2,692.8	2,619.3	2,603.9	7.8	7.6	146.37	50.7	271.0	383.4	368.7	14.72	26.052	
2,800.0	2,792.0	2,713.6	2,695.5	8.2	8.0	146.44	55.4	293.3	416.6	401.2	15.35	27.144	
2,900.0	2,891.3	2,807.9	2,787.0	8.5	8.4	146.49	60.2	315.6	449.7	433.8	15.99	28.122	
3,000.0	2,990.6	2,902.3	2,878.5	8.9	8.7	146.54	64.9	338.0	482.9	466.3	16.65	29.000	
3,100.0	3,089.8	2,996.6	2,970.1	9.2	9.1	146.58	69.7	360.3	516.1	498.8	17.33	29.789	
3,200.0	3,189.1	3,090.9	3,061.6	9.6	9.5	146.62	74.4	382.6	549.3	531.3	18.01	30.500	
3,300.0	3,288.3	3,185.3	3,153.1	10.0	9.9	146.65	79.2	404.9	582.5	563.8	18.70	31.143	
3,400.0	3,387.6	3,279.6	3,244.7	10.4	10.3	146.68	83.9	427.3	615.7	596.3	19.41	31.726	
3,500.0	3,486.8	3,373.9	3,336.2	10.7	10.7	146.71	88.6	449.6	648.8	628.7	20.12	32.255	
3,600.0	3,586.1	3,468.3	3,427.7	11.1	11.1	146.73	93.4	471.9	682.0	661.2	20.83	32.738	
3,700.0	3,685.3	3,562.6	3,519.3	11.5	11.5	146.75	98.1	494.2	715.2	693.7	21.56	33.179	
3,800.0	3,784.6	3,656.9	3,610.8	11.9	12.0	146.77	102.9	516.5	748.4	726.1	22.29	33.583	
3,900.0	3,883.8	3,751.3	3,702.3	12.3	12.4	146.79	107.6	538.9	781.6	758.6	23.02	33.953	
4,000.0	3,983.1	3,845.6	3,793.8	12.7	12.8	146.81	112.4	561.2	814.8	791.0	23.76	34.294	
4,100.0	4,082.4	3,939.9	3,885.4	13.1	13.2	146.82	117.1	583.5	847.9	823.4	24.50	34.609	
4,200.0	4,181.6	4,034.3	3,976.9	13.5	13.7	146.84	121.9	605.8	881.1	855.9	25.25	34.900	
4,300.0	4,280.9	4,128.6	4,068.4	13.9	14.1	146.85	126.6	628.2	914.3	888.3	26.00	35.169	
4,400.0	4,380.1	4,222.9	4,160.0	14.2	14.5	146.86	131.3	650.5	947.5	920.7	26.75	35.419	
4,500.0	4,479.4	4,317.3	4,251.5	14.6	15.0	146.87	136.1	672.8	980.7	953.2	27.51	35.651	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	90.34	-0.9	150.0	150.0				
100.0	100.0	99.9	99.9	3.0	3.0	90.34	-0.9	150.0	150.0	143.5	6.52	23.006	
200.0	200.0	199.9	199.9	3.2	3.2	90.34	-0.9	150.0	150.0	143.2	6.76	22.189	
300.0	300.0	299.9	299.9	3.3	3.3	90.34	-0.9	150.0	150.0	143.0	6.99	21.455	
400.0	400.0	399.9	399.9	3.4	3.4	90.34	-0.9	150.0	150.0	142.8	7.21	20.791	
500.0	500.0	499.9	499.9	3.5	3.5	90.34	-0.9	150.0	150.0	142.6	7.43	20.187	
600.0	600.0	599.9	599.9	3.7	3.7	90.34	-0.9	150.0	150.0	142.4	7.64	19.633	
700.0	700.0	699.9	699.9	3.8	3.8	90.34	-0.9	150.0	150.0	142.2	7.84	19.124	
800.0	800.0	799.9	799.9	3.9	3.9	90.34	-0.9	150.0	150.0	142.0	8.04	18.653	
900.0	900.0	899.9	899.9	4.0	4.0	90.34	-0.9	150.0	150.0	141.8	8.23	18.216	
1,000.0	1,000.0	999.9	999.9	4.2	4.2	90.34	-0.9	150.0	150.0	141.6	8.42	17.809	
1,100.0	1,100.0	1,099.9	1,099.9	4.3	4.3	90.34	-0.9	150.0	150.0	141.4	8.61	17.429	
1,200.0	1,200.0	1,199.9	1,199.9	4.4	4.4	90.34	-0.9	150.0	150.0	141.2	8.79	17.072	
1,300.0	1,300.0	1,299.9	1,299.9	4.5	4.5	90.34	-0.9	150.0	150.0	141.0	8.96	16.737	
1,400.0	1,400.0	1,399.9	1,399.9	4.6	4.6	90.34	-0.9	150.0	150.0	140.9	9.13	16.421	
1,500.0	1,500.0	1,499.9	1,499.9	4.8	4.8	90.34	-0.9	150.0	150.0	140.7	9.30	16.123 CC, ES	
1,600.0	1,600.0	1,594.9	1,594.8	4.9	4.8	144.58	-0.7	151.6	153.1	143.4	9.63	15.888 SF	
1,700.0	1,699.8	1,689.3	1,689.2	5.1	5.0	145.25	0.0	156.2	162.2	152.1	10.12	16.036	
1,800.0	1,799.5	1,782.6	1,782.1	5.4	5.2	146.19	1.0	163.8	177.5	166.9	10.62	16.717	
1,850.0	1,849.1	1,828.7	1,828.0	5.4	5.3	146.70	1.7	168.7	187.4	176.6	10.81	17.336	
1,900.0	1,898.8	1,874.4	1,873.3	5.5	5.5	147.29	2.5	174.2	198.5	187.5	11.00	18.039	
2,000.0	1,998.0	1,964.8	1,962.8	5.7	5.8	148.16	4.3	187.3	222.9	211.4	11.48	19.424	
2,100.0	2,097.3	2,053.8	2,050.4	6.0	6.1	148.70	6.5	202.8	250.3	238.4	11.97	20.922	
2,200.0	2,196.5	2,141.2	2,135.9	6.3	6.4	149.00	9.0	220.8	280.6	268.2	12.47	22.513	
2,300.0	2,295.8	2,226.9	2,219.2	6.6	6.7	149.12	11.9	240.8	313.7	300.8	12.94	24.242	
2,400.0	2,395.0	2,318.1	2,307.2	6.9	6.9	149.14	15.1	264.1	348.8	335.4	13.43	25.976	
2,500.0	2,494.3	2,411.7	2,397.6	7.2	7.2	149.15	18.5	288.1	384.0	370.0	14.01	27.408	
2,600.0	2,593.5	2,505.3	2,488.1	7.5	7.6	149.16	21.9	312.1	419.2	404.6	14.62	28.680	
2,700.0	2,692.8	2,598.9	2,578.5	7.8	7.9	149.17	25.3	336.1	454.4	439.2	15.24	29.811	
2,800.0	2,792.0	2,692.5	2,668.9	8.2	8.3	149.18	28.6	360.1	489.6	473.7	15.89	30.817	
2,900.0	2,891.3	2,786.1	2,759.3	8.5	8.6	149.18	32.0	384.1	524.8	508.2	16.55	31.715	
3,000.0	2,990.6	2,879.7	2,849.7	8.9	9.0	149.19	35.4	408.1	560.0	542.8	17.22	32.518	
3,100.0	3,089.8	2,973.3	2,940.1	9.2	9.4	149.20	38.7	432.1	595.2	577.3	17.91	33.238	
3,200.0	3,189.1	3,066.9	3,030.5	9.6	9.8	149.20	42.1	456.0	630.4	611.8	18.60	33.885	
3,300.0	3,288.3	3,160.5	3,121.0	10.0	10.2	149.20	45.5	480.0	665.5	646.2	19.31	34.469	
3,400.0	3,387.6	3,254.1	3,211.4	10.4	10.6	149.21	48.9	504.0	700.7	680.7	20.02	34.996	
3,500.0	3,486.8	3,347.7	3,301.8	10.7	11.0	149.21	52.2	528.0	735.9	715.2	20.75	35.473	
3,600.0	3,586.1	3,441.3	3,392.2	11.1	11.4	149.21	55.6	552.0	771.1	749.6	21.48	35.907	
3,700.0	3,685.3	3,534.9	3,482.6	11.5	11.8	149.22	59.0	576.0	806.3	784.1	22.21	36.302	
3,800.0	3,784.6	3,628.5	3,573.0	11.9	12.2	149.22	62.3	600.0	841.5	818.5	22.95	36.663	
3,900.0	3,883.8	3,722.1	3,663.4	12.3	12.7	149.22	65.7	624.0	876.7	853.0	23.70	36.993	
4,000.0	3,983.1	3,815.7	3,753.9	12.7	13.1	149.22	69.1	648.0	911.9	887.4	24.45	37.296	
4,100.0	4,082.4	3,909.3	3,844.3	13.1	13.5	149.23	72.5	672.0	947.1	921.9	25.21	37.574	
4,200.0	4,181.6	4,003.0	3,934.7	13.5	14.0	149.23	75.8	695.9	982.3	956.3	25.96	37.831	

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 #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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 @ 3199.5usft

Offset Depths are relative to Offset Datum

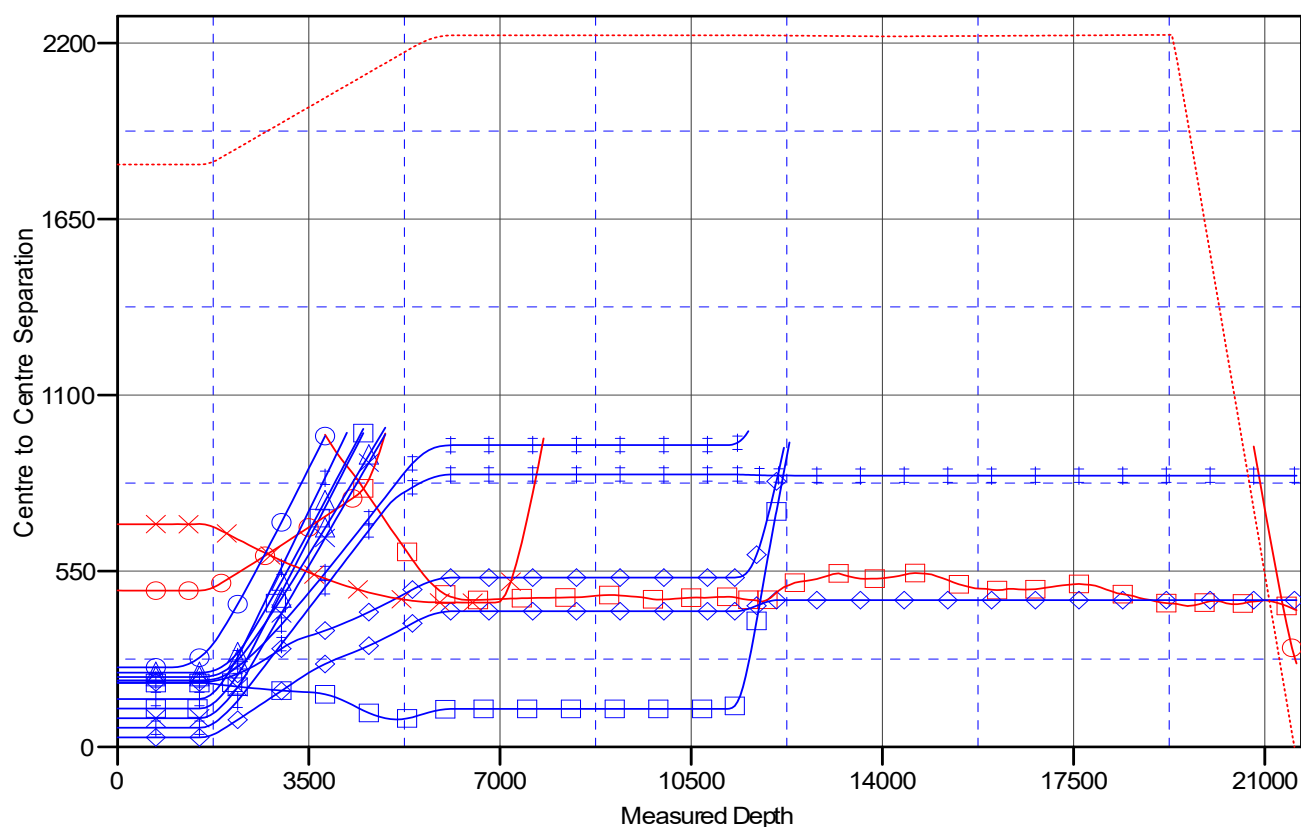
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #759H

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

THRESHER 55-1-12 UNIT A #6H OWB, AWP V0	ZIA HILLS UNIT 1932 WC #760H OWB, PWP1 V0	CONOCO A FEDERAL #1 (P&A) OWB, AWP V0
ZIA HILLS 19 FEDERAL COM #16H, OWB, AWP V0	ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #712H OWB, PWP1 V0
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 #764H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #714H OWB, PWP1 V0

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

ConocoPhillips

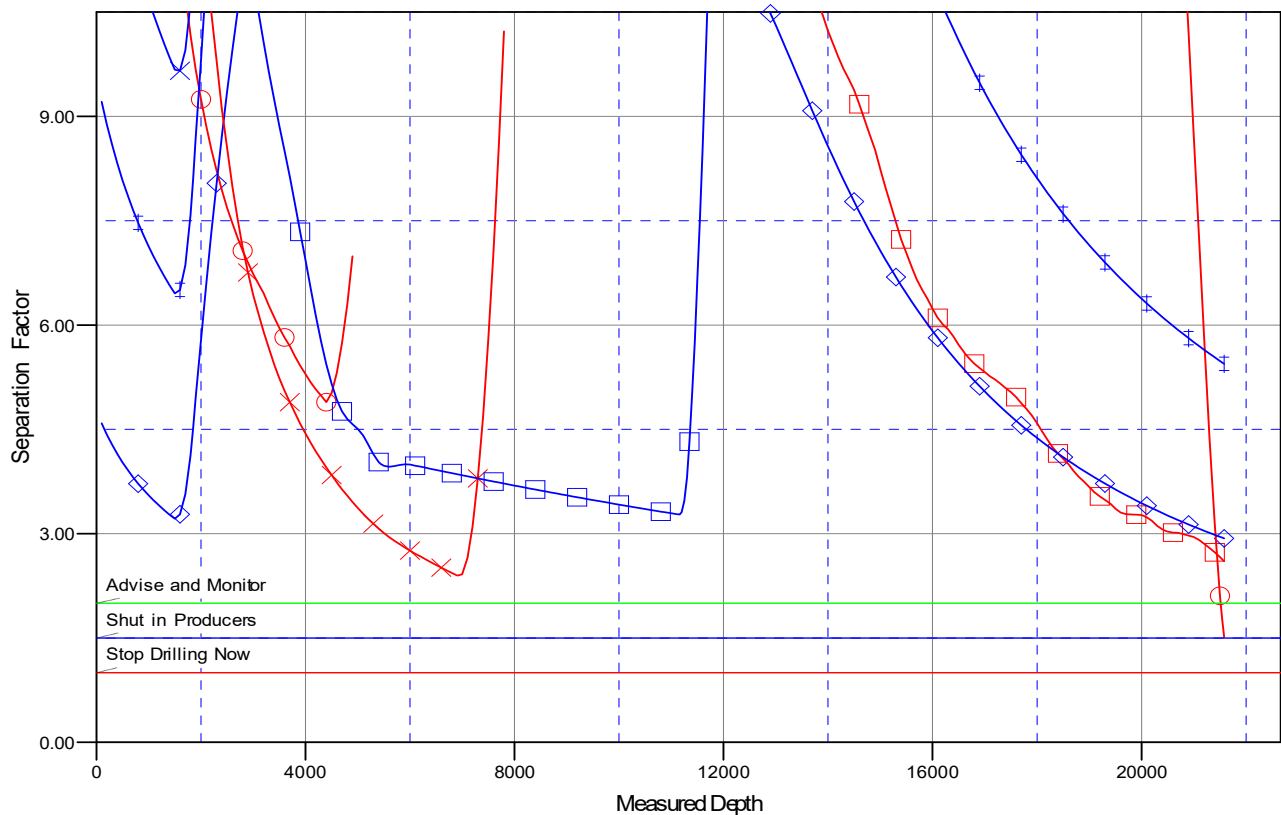
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3199.5usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3199.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #759H	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 @ 3199.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #759H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.33°

Separation Factor Plot



LEGEND

THRESHER 55-1-12 UNIT A #6H OWB, AWP V0	ZIA HILLS UNIT 1932 WC #760H OWB, PWP1 V0	CONOCO A FEDERAL #1 (P&A), OWB, AWP V0
ZIA HILLS 19 FEDERAL COM #16H, OWB, AWP V0	ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #712H OWB, PWP1 V0
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 #764H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #714H OWB, PWP1 V0

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 1932 PROJECT

ZIA HILLS UNIT 1932 WC #759H

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 #759H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3199.5usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3199.5usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #759H	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 #759H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	3.0 usft	Wellhead Elevation:	
Grid Convergence:	0.33 °		
		Latitude:	32° 1' 37.868 N
		Longitude:	103° 42' 44.027 W
		Ground Level:	3,169.5 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2023	8/1/2024	6.28	59.51	47,172.11484445

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	181.98	

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	11,161.4 PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,161.4	21,581.6 PWP1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-Si		

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Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3199.5usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3199.5usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #759H	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	
1,850.0	7.00	306.00	1,849.1	12.6	-17.3	2.00	2.00	0.00	306.00	
5,439.6	7.00	306.00	5,412.0	269.7	-371.2	0.00	0.00	0.00	0.00	
6,139.6	0.00	0.00	6,110.3	294.8	-405.7	1.00	-1.00	0.00	180.00	
11,161.4	0.00	0.00	11,132.0	294.8	-405.7	0.00	0.00	0.00	0.00	
12,061.4	90.00	179.63	11,705.0	-278.2	-402.0	10.00	10.00	19.96	179.63	
21,543.6	90.00	179.63	11,705.0	-9,760.1	-340.2	0.00	0.00	0.00	0.00	
21,581.6	90.00	179.63	11,705.0	-9,798.1	-340.0	0.00	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 #759H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3199.5usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3199.5usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #759H	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 2.00									
1,600.0	2.00	306.00	1,600.0	1.0	-1.4	-1.0	2.00	2.00	0.00
1,700.0	4.00	306.00	1,699.8	4.1	-5.6	-3.9	2.00	2.00	0.00
1,800.0	6.00	306.00	1,799.5	9.2	-12.7	-8.8	2.00	2.00	0.00
1,850.0	7.00	306.00	1,849.1	12.6	-17.3	-11.9	2.00	2.00	0.00
Start 3589.6 hold at 1850.0 MD									
1,900.0	7.00	306.00	1,898.8	16.1	-22.2	-15.4	0.00	0.00	0.00
2,000.0	7.00	306.00	1,998.0	23.3	-32.1	-22.2	0.00	0.00	0.00
2,100.0	7.00	306.00	2,097.3	30.5	-41.9	-29.0	0.00	0.00	0.00
2,200.0	7.00	306.00	2,196.5	37.6	-51.8	-35.8	0.00	0.00	0.00
2,300.0	7.00	306.00	2,295.8	44.8	-61.6	-42.6	0.00	0.00	0.00
2,400.0	7.00	306.00	2,395.0	51.9	-71.5	-49.4	0.00	0.00	0.00
2,500.0	7.00	306.00	2,494.3	59.1	-81.4	-56.3	0.00	0.00	0.00
2,600.0	7.00	306.00	2,593.5	66.3	-91.2	-63.1	0.00	0.00	0.00
2,700.0	7.00	306.00	2,692.8	73.4	-101.1	-69.9	0.00	0.00	0.00
2,800.0	7.00	306.00	2,792.0	80.6	-110.9	-76.7	0.00	0.00	0.00
2,900.0	7.00	306.00	2,891.3	87.8	-120.8	-83.5	0.00	0.00	0.00
3,000.0	7.00	306.00	2,990.6	94.9	-130.7	-90.3	0.00	0.00	0.00
3,100.0	7.00	306.00	3,089.8	102.1	-140.5	-97.2	0.00	0.00	0.00
3,200.0	7.00	306.00	3,189.1	109.3	-150.4	-104.0	0.00	0.00	0.00
3,300.0	7.00	306.00	3,288.3	116.4	-160.2	-110.8	0.00	0.00	0.00
3,400.0	7.00	306.00	3,387.6	123.6	-170.1	-117.6	0.00	0.00	0.00
3,500.0	7.00	306.00	3,486.8	130.7	-180.0	-124.4	0.00	0.00	0.00
3,600.0	7.00	306.00	3,586.1	137.9	-189.8	-131.3	0.00	0.00	0.00
3,700.0	7.00	306.00	3,685.3	145.1	-199.7	-138.1	0.00	0.00	0.00
3,800.0	7.00	306.00	3,784.6	152.2	-209.5	-144.9	0.00	0.00	0.00
3,900.0	7.00	306.00	3,883.8	159.4	-219.4	-151.7	0.00	0.00	0.00
4,000.0	7.00	306.00	3,983.1	166.6	-229.3	-158.5	0.00	0.00	0.00
4,100.0	7.00	306.00	4,082.4	173.7	-239.1	-165.3	0.00	0.00	0.00
4,200.0	7.00	306.00	4,181.6	180.9	-249.0	-172.2	0.00	0.00	0.00
4,300.0	7.00	306.00	4,280.9	188.1	-258.8	-179.0	0.00	0.00	0.00
4,400.0	7.00	306.00	4,380.1	195.2	-268.7	-185.8	0.00	0.00	0.00
4,500.0	7.00	306.00	4,479.4	202.4	-278.6	-192.6	0.00	0.00	0.00
4,600.0	7.00	306.00	4,578.6	209.5	-288.4	-199.4	0.00	0.00	0.00
4,700.0	7.00	306.00	4,677.9	216.7	-298.3	-206.2	0.00	0.00	0.00
4,800.0	7.00	306.00	4,777.1	223.9	-308.1	-213.1	0.00	0.00	0.00
4,900.0	7.00	306.00	4,876.4	231.0	-318.0	-219.9	0.00	0.00	0.00
5,000.0	7.00	306.00	4,975.7	238.2	-327.8	-226.7	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 #759H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3199.5usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3199.5usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #759H	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)
5,100.0	7.00	306.00	5,074.9	245.4	-337.7	-233.5	0.00	0.00	0.00
5,200.0	7.00	306.00	5,174.2	252.5	-347.6	-240.3	0.00	0.00	0.00
5,300.0	7.00	306.00	5,273.4	259.7	-357.4	-247.2	0.00	0.00	0.00
5,400.0	7.00	306.00	5,372.7	266.8	-367.3	-254.0	0.00	0.00	0.00
5,439.6	7.00	306.00	5,412.0	269.7	-371.2	-256.7	0.00	0.00	0.00
Start Drop -1.00									
5,500.0	6.40	306.00	5,472.0	273.8	-376.9	-260.6	1.00	-1.00	0.00
5,600.0	5.40	306.00	5,571.4	279.9	-385.2	-266.4	1.00	-1.00	0.00
5,700.0	4.40	306.00	5,671.1	284.9	-392.1	-271.1	1.00	-1.00	0.00
5,800.0	3.40	306.00	5,770.8	288.9	-397.6	-274.9	1.00	-1.00	0.00
5,900.0	2.40	306.00	5,870.7	291.8	-401.7	-277.8	1.00	-1.00	0.00
6,000.0	1.40	306.00	5,970.6	293.8	-404.4	-279.6	1.00	-1.00	0.00
6,100.0	0.40	306.00	6,070.6	294.7	-405.6	-280.5	1.00	-1.00	0.00
6,139.6	0.00	0.00	6,110.3	294.8	-405.7	-280.6	1.00	-1.00	0.00
Start 5021.8 hold at 6139.6 MD									
6,200.0	0.00	0.00	6,170.6	294.8	-405.7	-280.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,270.6	294.8	-405.7	-280.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,370.6	294.8	-405.7	-280.6	0.00	0.00	0.00
6,500.0	0.00	0.00	6,470.6	294.8	-405.7	-280.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,570.6	294.8	-405.7	-280.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,670.6	294.8	-405.7	-280.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,770.6	294.8	-405.7	-280.6	0.00	0.00	0.00
6,900.0	0.00	0.00	6,870.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,000.0	0.00	0.00	6,970.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,100.0	0.00	0.00	7,070.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,200.0	0.00	0.00	7,170.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,300.0	0.00	0.00	7,270.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,370.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,470.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,570.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,670.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,770.6	294.8	-405.7	-280.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,870.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,970.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,100.0	0.00	0.00	8,070.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,170.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,270.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,370.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,470.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,570.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,670.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,770.6	294.8	-405.7	-280.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,870.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,970.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,100.0	0.00	0.00	9,070.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,170.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,270.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,370.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,470.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,570.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,670.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,770.6	294.8	-405.7	-280.6	0.00	0.00	0.00
9,900.0	0.00	0.00	9,870.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,000.0	0.00	0.00	9,970.6	294.8	-405.7	-280.6	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 #759H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3199.5usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3199.5usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #759H	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)
10,100.0	0.00	0.00	10,070.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,200.0	0.00	0.00	10,170.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,300.0	0.00	0.00	10,270.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,400.0	0.00	0.00	10,370.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,500.0	0.00	0.00	10,470.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,600.0	0.00	0.00	10,570.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,700.0	0.00	0.00	10,670.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,800.0	0.00	0.00	10,770.6	294.8	-405.7	-280.6	0.00	0.00	0.00
10,900.0	0.00	0.00	10,870.6	294.8	-405.7	-280.6	0.00	0.00	0.00
11,000.0	0.00	0.00	10,970.6	294.8	-405.7	-280.6	0.00	0.00	0.00
11,100.0	0.00	0.00	11,070.6	294.8	-405.7	-280.6	0.00	0.00	0.00
11,161.4	0.00	0.00	11,132.0	294.8	-405.7	-280.6	0.00	0.00	0.00
Start DLS 10.00 TFO 179.63									
11,200.0	3.86	179.63	11,170.6	293.5	-405.7	-279.3	10.00	10.00	0.00
11,250.0	8.86	179.63	11,220.3	288.0	-405.7	-273.7	10.00	10.00	0.00
11,300.0	13.86	179.63	11,269.3	278.1	-405.6	-263.9	10.00	10.00	0.00
11,350.0	18.86	179.63	11,317.2	264.0	-405.5	-249.8	10.00	10.00	0.00
11,400.0	23.86	179.63	11,363.8	245.8	-405.4	-231.6	10.00	10.00	0.00
11,450.0	28.86	179.63	11,408.6	223.6	-405.3	-209.5	10.00	10.00	0.00
11,500.0	33.86	179.63	11,451.3	197.6	-405.1	-183.5	10.00	10.00	0.00
11,550.0	38.86	179.63	11,491.5	168.0	-404.9	-153.9	10.00	10.00	0.00
11,600.0	43.86	179.63	11,529.0	135.0	-404.7	-120.9	10.00	10.00	0.00
11,650.0	48.86	179.63	11,563.5	98.8	-404.5	-84.7	10.00	10.00	0.00
11,700.0	53.86	179.63	11,594.7	59.8	-404.2	-45.7	10.00	10.00	0.00
11,750.0	58.86	179.63	11,622.4	18.1	-403.9	-4.1	10.00	10.00	0.00
11,800.0	63.86	179.63	11,646.4	-25.7	-403.7	39.7	10.00	10.00	0.00
11,850.0	68.86	179.63	11,666.4	-71.5	-403.4	85.4	10.00	10.00	0.00
11,900.0	73.86	179.63	11,682.4	-118.9	-403.0	132.8	10.00	10.00	0.00
11,950.0	78.86	179.63	11,694.2	-167.5	-402.7	181.3	10.00	10.00	0.00
12,000.0	83.86	179.63	11,701.7	-216.9	-402.4	230.7	10.00	10.00	0.00
12,050.0	88.86	179.63	11,704.9	-266.7	-402.1	280.5	10.00	10.00	0.00
12,061.4	90.00	179.63	11,705.0	-278.2	-402.0	291.9	10.00	10.00	0.00
Start 9482.1 hold at 12061.4 MD									
12,100.0	90.00	179.63	11,705.0	-316.7	-401.8	330.5	0.00	0.00	0.00
12,200.0	90.00	179.63	11,705.0	-416.7	-401.1	430.4	0.00	0.00	0.00
12,300.0	90.00	179.63	11,705.0	-516.7	-400.5	530.3	0.00	0.00	0.00
12,400.0	90.00	179.63	11,705.0	-616.7	-399.8	630.2	0.00	0.00	0.00
12,500.0	90.00	179.63	11,705.0	-716.7	-399.1	730.1	0.00	0.00	0.00
12,600.0	90.00	179.63	11,705.0	-816.7	-398.5	830.0	0.00	0.00	0.00
12,700.0	90.00	179.63	11,705.0	-916.7	-397.8	930.0	0.00	0.00	0.00
12,800.0	90.00	179.63	11,705.0	-1,016.7	-397.2	1,029.9	0.00	0.00	0.00
12,900.0	90.00	179.63	11,705.0	-1,116.7	-396.5	1,129.8	0.00	0.00	0.00
13,000.0	90.00	179.63	11,705.0	-1,216.7	-395.9	1,229.7	0.00	0.00	0.00
13,100.0	90.00	179.63	11,705.0	-1,316.7	-395.2	1,329.6	0.00	0.00	0.00
13,200.0	90.00	179.63	11,705.0	-1,416.7	-394.6	1,429.5	0.00	0.00	0.00
13,300.0	90.00	179.63	11,705.0	-1,516.7	-393.9	1,529.5	0.00	0.00	0.00
13,400.0	90.00	179.63	11,705.0	-1,616.7	-393.3	1,629.4	0.00	0.00	0.00
13,500.0	90.00	179.63	11,705.0	-1,716.7	-392.6	1,729.3	0.00	0.00	0.00
13,600.0	90.00	179.63	11,705.0	-1,816.7	-392.0	1,829.2	0.00	0.00	0.00
13,700.0	90.00	179.63	11,705.0	-1,916.7	-391.3	1,929.1	0.00	0.00	0.00
13,800.0	90.00	179.63	11,705.0	-2,016.7	-390.7	2,029.0	0.00	0.00	0.00
13,900.0	90.00	179.63	11,705.0	-2,116.7	-390.0	2,128.9	0.00	0.00	0.00
14,000.0	90.00	179.63	11,705.0	-2,216.7	-389.4	2,228.9	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 #759H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3199.5usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3199.5usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #759H	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)
14,100.0	90.00	179.63	11,705.0	-2,316.7	-388.7	2,328.8	0.00	0.00	0.00
14,200.0	90.00	179.63	11,705.0	-2,416.7	-388.1	2,428.7	0.00	0.00	0.00
14,300.0	90.00	179.63	11,705.0	-2,516.7	-387.4	2,528.6	0.00	0.00	0.00
14,400.0	90.00	179.63	11,705.0	-2,616.7	-386.8	2,628.5	0.00	0.00	0.00
14,500.0	90.00	179.63	11,705.0	-2,716.7	-386.1	2,728.4	0.00	0.00	0.00
14,600.0	90.00	179.63	11,705.0	-2,816.7	-385.5	2,828.4	0.00	0.00	0.00
14,700.0	90.00	179.63	11,705.0	-2,916.7	-384.8	2,928.3	0.00	0.00	0.00
14,800.0	90.00	179.63	11,705.0	-3,016.7	-384.2	3,028.2	0.00	0.00	0.00
14,900.0	90.00	179.63	11,705.0	-3,116.7	-383.5	3,128.1	0.00	0.00	0.00
15,000.0	90.00	179.63	11,705.0	-3,216.7	-382.9	3,228.0	0.00	0.00	0.00
15,100.0	90.00	179.63	11,705.0	-3,316.7	-382.2	3,327.9	0.00	0.00	0.00
15,200.0	90.00	179.63	11,705.0	-3,416.7	-381.6	3,427.8	0.00	0.00	0.00
15,300.0	90.00	179.63	11,705.0	-3,516.7	-380.9	3,527.8	0.00	0.00	0.00
15,400.0	90.00	179.63	11,705.0	-3,616.7	-380.2	3,627.7	0.00	0.00	0.00
15,500.0	90.00	179.63	11,705.0	-3,716.7	-379.6	3,727.6	0.00	0.00	0.00
15,600.0	90.00	179.63	11,705.0	-3,816.7	-378.9	3,827.5	0.00	0.00	0.00
15,700.0	90.00	179.63	11,705.0	-3,916.7	-378.3	3,927.4	0.00	0.00	0.00
15,800.0	90.00	179.63	11,705.0	-4,016.7	-377.6	4,027.3	0.00	0.00	0.00
15,900.0	90.00	179.63	11,705.0	-4,116.7	-377.0	4,127.3	0.00	0.00	0.00
16,000.0	90.00	179.63	11,705.0	-4,216.7	-376.3	4,227.2	0.00	0.00	0.00
16,100.0	90.00	179.63	11,705.0	-4,316.7	-375.7	4,327.1	0.00	0.00	0.00
16,200.0	90.00	179.63	11,705.0	-4,416.7	-375.0	4,427.0	0.00	0.00	0.00
16,300.0	90.00	179.63	11,705.0	-4,516.7	-374.4	4,526.9	0.00	0.00	0.00
16,400.0	90.00	179.63	11,705.0	-4,616.7	-373.7	4,626.8	0.00	0.00	0.00
16,500.0	90.00	179.63	11,705.0	-4,716.7	-373.1	4,726.7	0.00	0.00	0.00
16,600.0	90.00	179.63	11,705.0	-4,816.7	-372.4	4,826.7	0.00	0.00	0.00
16,700.0	90.00	179.63	11,705.0	-4,916.6	-371.8	4,926.6	0.00	0.00	0.00
16,800.0	90.00	179.63	11,705.0	-5,016.6	-371.1	5,026.5	0.00	0.00	0.00
16,900.0	90.00	179.63	11,705.0	-5,116.6	-370.5	5,126.4	0.00	0.00	0.00
17,000.0	90.00	179.63	11,705.0	-5,216.6	-369.8	5,226.3	0.00	0.00	0.00
17,100.0	90.00	179.63	11,705.0	-5,316.6	-369.2	5,326.2	0.00	0.00	0.00
17,200.0	90.00	179.63	11,705.0	-5,416.6	-368.5	5,426.2	0.00	0.00	0.00
17,300.0	90.00	179.63	11,705.0	-5,516.6	-367.9	5,526.1	0.00	0.00	0.00
17,400.0	90.00	179.63	11,705.0	-5,616.6	-367.2	5,626.0	0.00	0.00	0.00
17,500.0	90.00	179.63	11,705.0	-5,716.6	-366.6	5,725.9	0.00	0.00	0.00
17,600.0	90.00	179.63	11,705.0	-5,816.6	-365.9	5,825.8	0.00	0.00	0.00
17,700.0	90.00	179.63	11,705.0	-5,916.6	-365.3	5,925.7	0.00	0.00	0.00
17,800.0	90.00	179.63	11,705.0	-6,016.6	-364.6	6,025.6	0.00	0.00	0.00
17,900.0	90.00	179.63	11,705.0	-6,116.6	-364.0	6,125.6	0.00	0.00	0.00
18,000.0	90.00	179.63	11,705.0	-6,216.6	-363.3	6,225.5	0.00	0.00	0.00
18,100.0	90.00	179.63	11,705.0	-6,316.6	-362.6	6,325.4	0.00	0.00	0.00
18,200.0	90.00	179.63	11,705.0	-6,416.6	-362.0	6,425.3	0.00	0.00	0.00
18,300.0	90.00	179.63	11,705.0	-6,516.6	-361.3	6,525.2	0.00	0.00	0.00
18,400.0	90.00	179.63	11,705.0	-6,616.6	-360.7	6,625.1	0.00	0.00	0.00
18,500.0	90.00	179.63	11,705.0	-6,716.6	-360.0	6,725.0	0.00	0.00	0.00
18,600.0	90.00	179.63	11,705.0	-6,816.6	-359.4	6,825.0	0.00	0.00	0.00
18,700.0	90.00	179.63	11,705.0	-6,916.6	-358.7	6,924.9	0.00	0.00	0.00
18,800.0	90.00	179.63	11,705.0	-7,016.6	-358.1	7,024.8	0.00	0.00	0.00
18,900.0	90.00	179.63	11,705.0	-7,116.6	-357.4	7,124.7	0.00	0.00	0.00
19,000.0	90.00	179.63	11,705.0	-7,216.6	-356.8	7,224.6	0.00	0.00	0.00
19,100.0	90.00	179.63	11,705.0	-7,316.6	-356.1	7,324.5	0.00	0.00	0.00
19,200.0	90.00	179.63	11,705.0	-7,416.6	-355.5	7,424.5	0.00	0.00	0.00
19,300.0	90.00	179.63	11,705.0	-7,516.6	-354.8	7,524.4	0.00	0.00	0.00
19,400.0	90.00	179.63	11,705.0	-7,616.6	-354.2	7,624.3	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3199.5usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3199.5usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #759H	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)	
19,500.0	90.00	179.63	11,705.0	-7,716.6	-353.5	7,724.2	0.00	0.00	0.00	
19,600.0	90.00	179.63	11,705.0	-7,816.6	-352.9	7,824.1	0.00	0.00	0.00	
19,700.0	90.00	179.63	11,705.0	-7,916.6	-352.2	7,924.0	0.00	0.00	0.00	
19,800.0	90.00	179.63	11,705.0	-8,016.6	-351.6	8,023.9	0.00	0.00	0.00	
19,900.0	90.00	179.63	11,705.0	-8,116.6	-350.9	8,123.9	0.00	0.00	0.00	
20,000.0	90.00	179.63	11,705.0	-8,216.6	-350.3	8,223.8	0.00	0.00	0.00	
20,100.0	90.00	179.63	11,705.0	-8,316.6	-349.6	8,323.7	0.00	0.00	0.00	
20,200.0	90.00	179.63	11,705.0	-8,416.6	-349.0	8,423.6	0.00	0.00	0.00	
20,300.0	90.00	179.63	11,705.0	-8,516.6	-348.3	8,523.5	0.00	0.00	0.00	
20,400.0	90.00	179.63	11,705.0	-8,616.6	-347.7	8,623.4	0.00	0.00	0.00	
20,500.0	90.00	179.63	11,705.0	-8,716.6	-347.0	8,723.4	0.00	0.00	0.00	
20,600.0	90.00	179.63	11,705.0	-8,816.6	-346.4	8,823.3	0.00	0.00	0.00	
20,700.0	90.00	179.63	11,705.0	-8,916.6	-345.7	8,923.2	0.00	0.00	0.00	
20,800.0	90.00	179.63	11,705.0	-9,016.6	-345.0	9,023.1	0.00	0.00	0.00	
20,900.0	90.00	179.63	11,705.0	-9,116.6	-344.4	9,123.0	0.00	0.00	0.00	
21,000.0	90.00	179.63	11,705.0	-9,216.6	-343.7	9,222.9	0.00	0.00	0.00	
21,100.0	90.00	179.63	11,705.0	-9,316.6	-343.1	9,322.8	0.00	0.00	0.00	
21,200.0	90.00	179.63	11,705.0	-9,416.6	-342.4	9,422.8	0.00	0.00	0.00	
21,300.0	90.00	179.63	11,705.0	-9,516.6	-341.8	9,522.7	0.00	0.00	0.00	
21,400.0	90.00	179.63	11,705.0	-9,616.5	-341.1	9,622.6	0.00	0.00	0.00	
21,500.0	90.00	179.63	11,705.0	-9,716.5	-340.5	9,722.5	0.00	0.00	0.00	
21,543.6	90.00	179.63	11,705.0	-9,760.1	-340.2	9,766.0	0.00	0.00	0.00	
Start 38.0 hold at 21543.6 MD										
21,581.6	90.00	179.63	11,705.0	-9,798.1	-340.0	9,804.0	0.00	0.00	0.00	
TD at 21581.6										

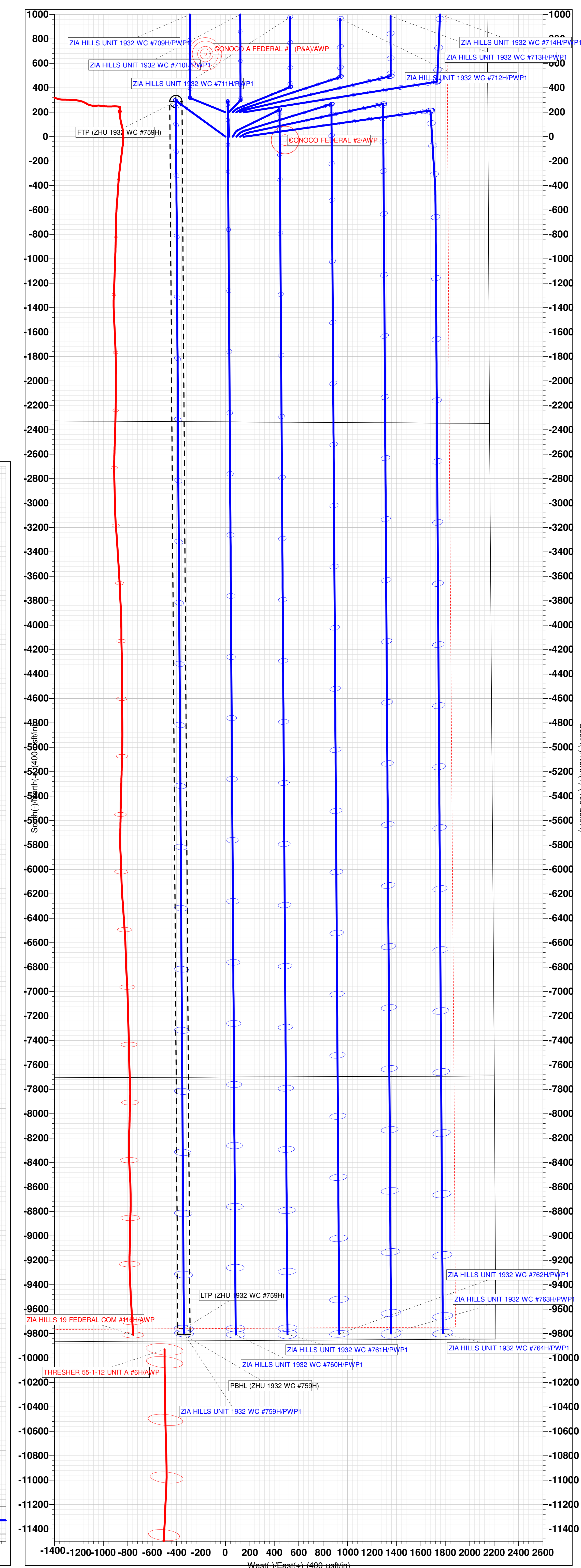
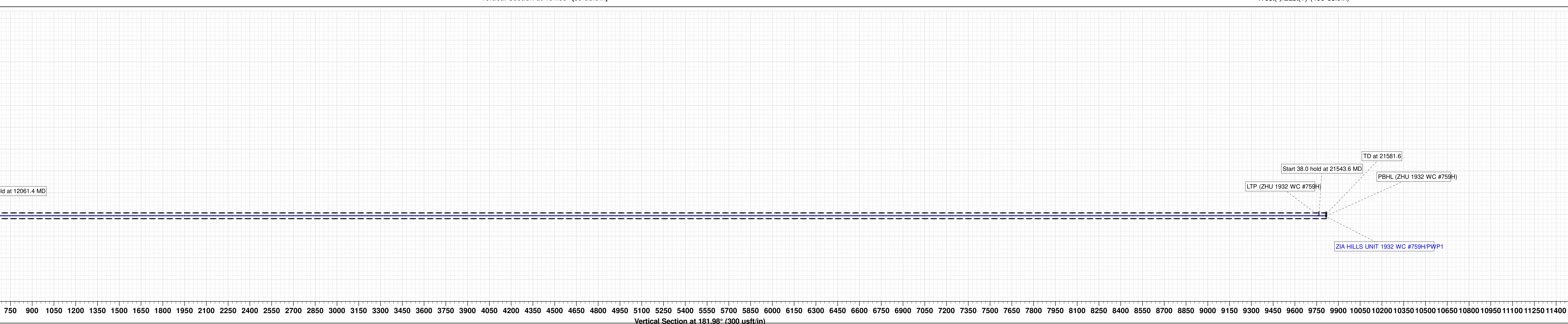
Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
PBHL (ZHU 1932 WC #759H) - plan misses target center by 12.0usft at 21581.6usft MD (11705.0 TVD, -9798.1 N, -340.0 E) - Rectangle (sides W100.0 H10,097.6 D20.0)	0.00	179.63	11,705.0	-9,810.1	-339.9	364,359.47	692,143.72	32° 0' 0.805 N		103° 42' 48.629 W
FTP (ZHU 1932 WC #759H) - plan misses target center by 232.1usft at 11611.2usft MD (11537.0 TVD, 127.2 N, -404.7 E) - Circle (radius 50.0)	0.00	0.00	11,705.0	287.3	-405.5	374,456.92	692,078.13	32° 1' 40.734 N		103° 42' 48.718 W
LTP (ZHU 1932 WC #759H) - plan hits target center - Point	0.00	0.00	11,705.0	-9,760.1	-340.2	364,409.47	692,143.43	32° 0' 1.300 N		103° 42' 48.629 W

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #759H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3199.5usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3199.5usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #759H	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 2.00	
1,850.0	1,849.1	12.6	-17.3	Start 3589.6 hold at 1850.0 MD	
5,439.6	5,412.0	269.7	-371.2	Start Drop -1.00	
6,139.6	6,110.3	294.8	-405.7	Start 5021.8 hold at 6139.6 MD	
11,161.4	11,132.0	294.8	-405.7	Start DLS 10.00 TFO 179.63	
12,061.4	11,705.0	-278.2	-402.0	Start 9482.1 hold at 12061.4 MD	
21,543.6	11,705.0	-9,760.1	-340.2	Start 38.0 hold at 21543.6 MD	
21,581.6	11,705.0	-9,798.1	-340.0	TD at 21581.6	

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSet
9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1500.0	0.0	0.0	1500.0	0.0	0.0	0.0	0.0	0.0
1850.0	7.00	306.00	1849.1	12.6	-17.3	2.00	306.00	-11.9
5439.6	7.00	306.00	5412.0	269.7	-371.2	0.00	0.00	-256.7
6139.6	0.00	0.00	6110.3	294.8	-405.7	1.00	180.00	-280.6
11161.4	0.00	0.00	11132.0	294.8	-405.7	0.00	0.00	-280.6
12061.4	90.00	179.63	11705.0	-278.2	-402.0	10.00	179.63	291.9
21543.6	90.00	179.63	11705.0	-9760.1	-340.2	0.00	0.00	9766.0
21581.6	90.00	179.63	11705.0	-9798.1	-340.0	0.00	0.00	9804.0



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

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

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

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

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

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

 - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

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

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

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

Commercial Well Determination

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

GENERAL REQUIREMENTS

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

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

☒ Eddy County

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

☒ Lea County

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.

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

A. CASING

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

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

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

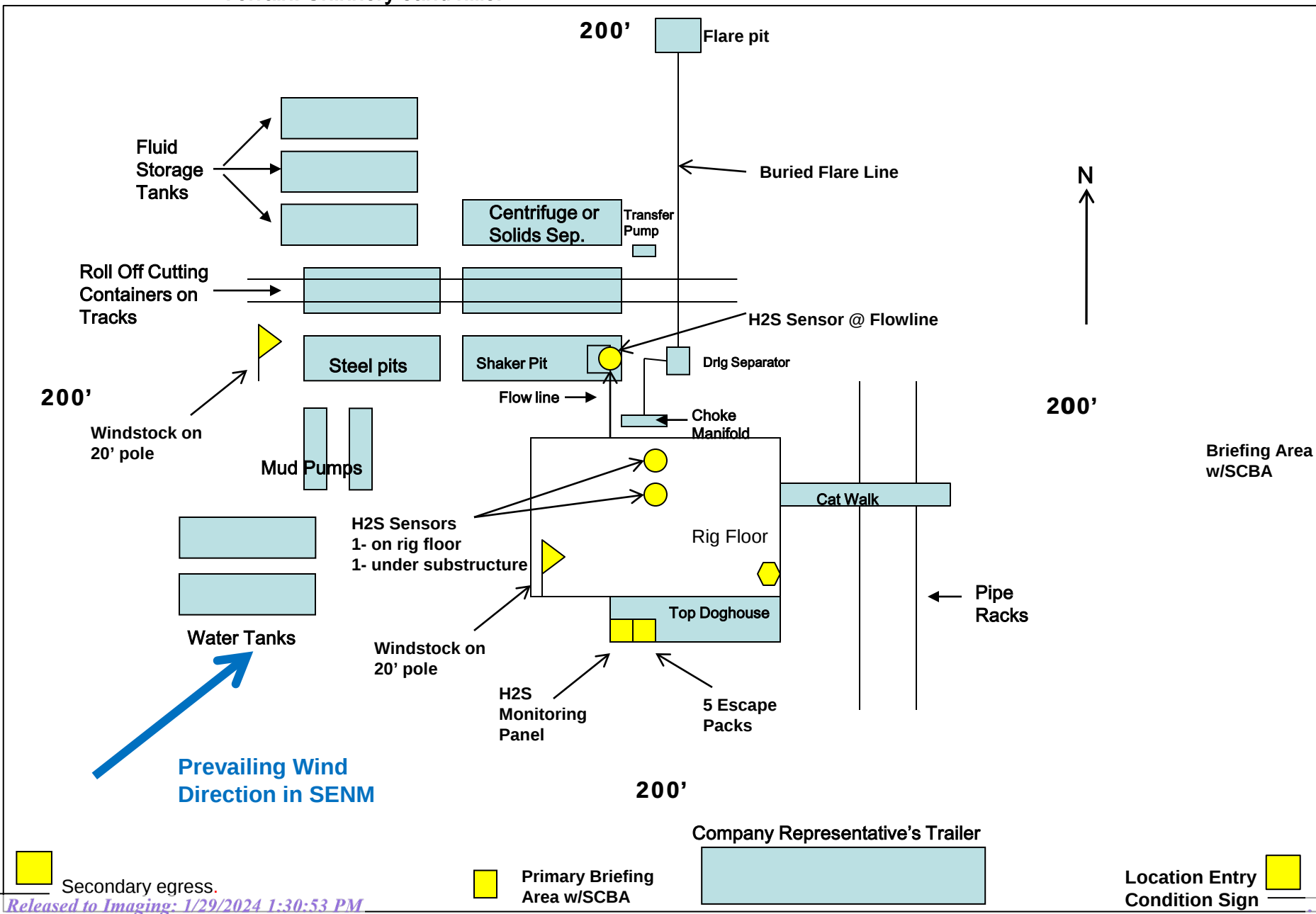
All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location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

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

ZS 10/30/2023

COG Operating LLC
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 306332

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 306332
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	1/29/2024
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	1/29/2024
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	1/29/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	1/29/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	1/29/2024