

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. 30-025-52478
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 / 2120 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0273097 / LONG: -103.7126046 (TVD: 0 feet, MD: 0 feet)
PPP: NWSE / 2620 FSL / 2130 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0280936 / LONG: -103.7126361 (TVD: 11713 feet, MD: 11776 feet)
PPP: NWNE / 1 FNL / 2130 FEL / TWSP: 26S / RANGE: 32E / SECTION: 30 / LAT: 32.0208911 / LONG: -103.7126399 (TVD: 11880 feet, MD: 14397 feet)
BHL: LOT 4 / 50 FSL / 2130 FEL / TWSP: 26S / RANGE: 32E / SECTION: 31 / LAT: 32.0003494 / LONG: -103.7126103 (TVD: 11880 feet, MD: 21690 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- 30-025-52478	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 760H
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 3,169'

¹⁰ Surface Location

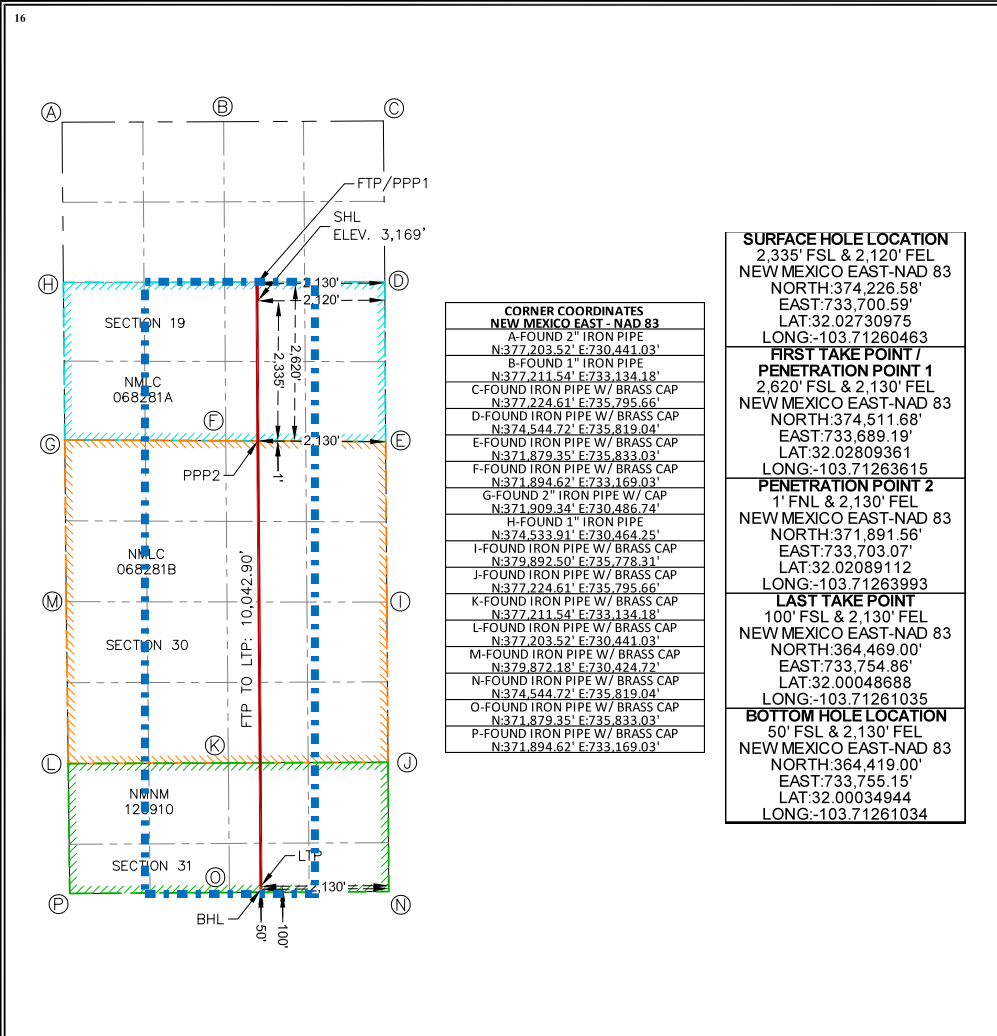
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	26-S	32-E		2,335'	SOUTH	2,120'	EAST	LEA

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	2,130'	EAST	LEA

¹² Dedicated Acres 608.92	¹³ Joint or Infill	¹⁴ Consolidation Code Unit	¹⁵ Order No. R-20080
---	-------------------------------	--	------------------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶  CORNER COORDINATES NEW MEXICO EAST-NAD 83 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:371,809.34' E:730,486.74' H-FOUND 1" IRON PIPE N:374,533.91' E:730,464.25' I-FOUND IRON PIPE W/ BRASS CAP N:379,892.50' E:735,778.31' J-FOUND IRON PIPE W/ BRASS CAP N:377,224.61' E:735,795.66' K-FOUND IRON PIPE W/ BRASS CAP N:377,211.54' E:733,134.18' L-FOUND IRON PIPE W/ BRASS CAP N:377,203.52' E:730,441.03' M-FOUND IRON PIPE W/ BRASS CAP N:379,872.18' E:730,424.72' N-FOUND IRON PIPE W/ BRASS CAP N:374,544.72' E:735,819.04' O-FOUND IRON PIPE W/ BRASS CAP N:371,879.35' E:735,833.03' P-FOUND IRON PIPE W/ BRASS CAP N:371,894.62' E:733,169.03'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 6/5/23 Signature Date Stan Wagner Printed Name _____ Email Address Date ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date: 6/5/23 MARK J. MURRAY NEW MEXICO 12177 REGISTERED PROFESSIONAL SURVEYOR MARK J. MURRAY P.L.S. NO. 12177
--	---

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:

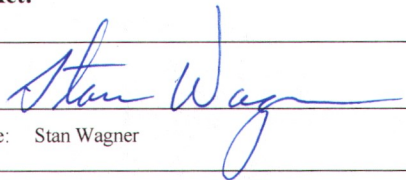
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit 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 760H

1. Geologic Formations

TVD of target	11,726' EOL	Pilot hole depth	NA
MD at TD:	21,690'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1221	Water	
Top of Salt	1553	Salt	
Base of Salt	4014	Salt	
Lamar	4278	Salt Water	
Bell Canyon	4313	Salt Water	
Cherry Canyon	5203	Oil/Gas	
Brushy Canyon	6626	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	Oil/Gas	
Wolfcamp A	11726	Target	
Wolfcamp B	12012	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.02	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.35	1.04	2.88	2.90
8.750"	8500	11225	7.625"	29.7	P110-ICY	W513	1.27	1.57	3.20	1.92
6.75"	0	10725	5.5"	23	P110-CY	BTC	1.93	2.25	2.96	2.96
6.75"	10725	21,690	5.5"	23	P110-CY	W441	1.77	2.06	2.70	2.45
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 760H

	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 760H**3. Cementing Program**

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	820	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	673	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	923	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	10,725'	35% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 1932 WC 760H

4. Pressure Control Equipment

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

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
9-7/8"	13-5/8"	5M	Annular	x	2500psi
			Blind Ram	x	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	10M	5M Annular	x	5000psi
			Blind Ram	x	10000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		

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

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

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 760H

5. Mud Program

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

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

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

6. Logging and Testing Procedures

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

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 760H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8235 psi at 11726' 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

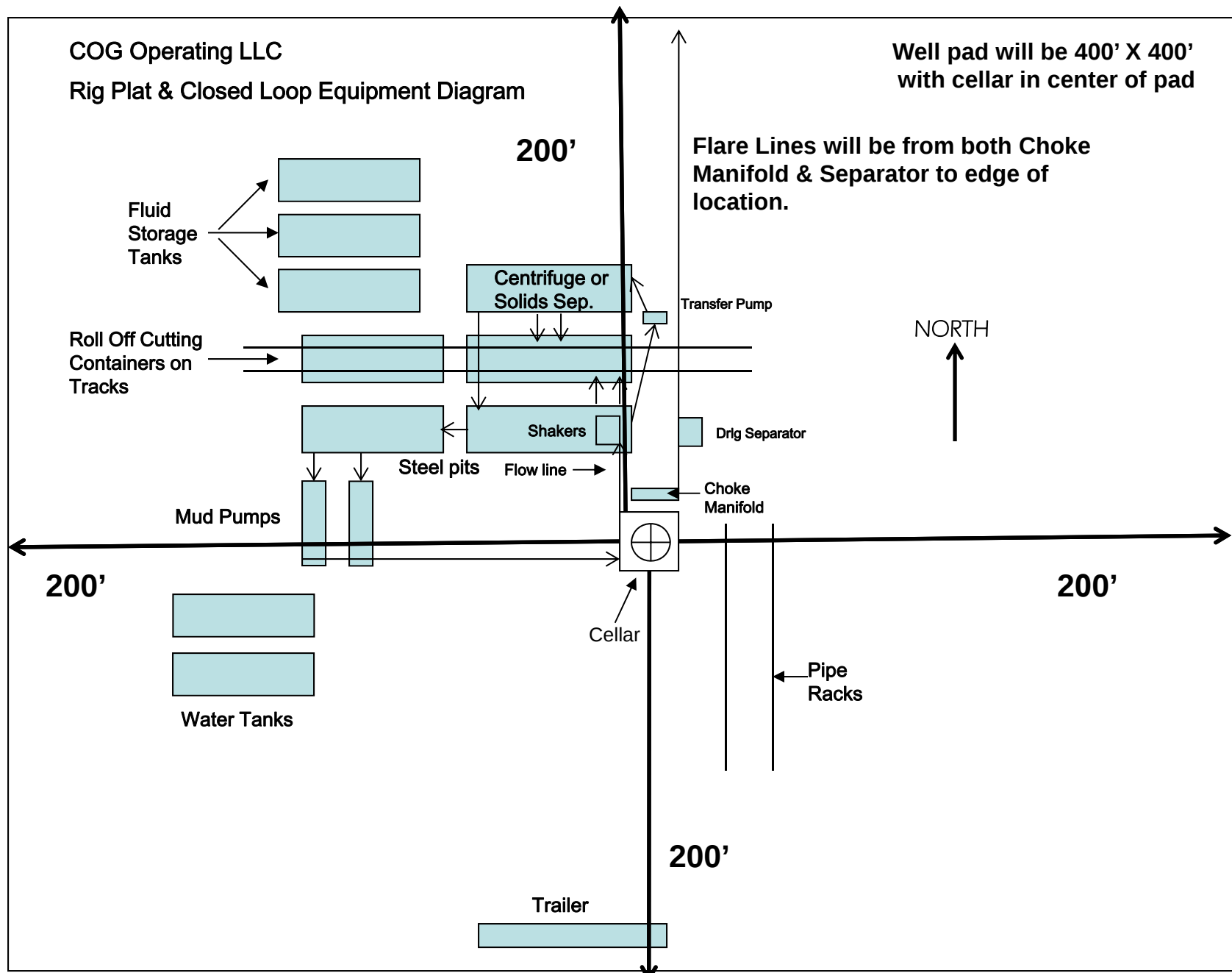


Exhibit 1

"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 #760H

OWB

PWP1

Anticollision Report

09 May, 2023

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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 #7H - ST01 - AWP	21,690.0	20,780.0	231.2	82.9	1.559	Advise and Monitor, CC, ES,
ZIA HILLS UNIT 1932 PROJECT						
CONOCO A FEDERAL #1 (P&A) - OWB - AWP	21,690.0	6,903.0				Out of Range @TD
CONOCO FEDERAL #2 - OWB - AWP	21,690.0	4,368.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	21,690.0	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	21,690.0	11,350.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	21,690.0	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	21,690.0	11,426.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	21,690.0	11,300.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	21,690.0	11,550.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	21,690.0	21,536.6	459.0	303.2	2.945	SF
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	21,690.0	21,456.3	458.6	303.2	2.951	SF
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	21,690.0	21,724.9	848.0	692.5	5.454	SF
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	21,690.0	21,610.8				Out of Range @TD
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	21,690.0	21,781.0				Out of Range @TD

Offset Design: ODELL STATE - THRESHER 55-1-12 UNIT A #7H - ST01 - AWP													Offset Site Error:	0.0 usft
Survey Program: 200-MWD - OWSG R1													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
20,900.0	11,880.0	20,780.0	11,724.5	71.5	159.3	-54.16	-9,934.8	167.1	985.1	902.8	82.23	11.980		
21,000.0	11,880.0	20,780.0	11,724.5	72.2	159.3	-54.16	-9,934.8	167.1	886.2	802.5	83.69	10.589		
21,100.0	11,880.0	20,780.0	11,724.5	73.0	159.3	-54.16	-9,934.8	167.1	787.6	701.9	85.62	9.198		
21,200.0	11,880.0	20,780.0	11,724.5	73.7	159.3	-54.16	-9,934.8	167.1	689.3	601.0	88.28	7.809		
21,300.0	11,880.0	20,780.0	11,724.5	74.5	159.3	-54.16	-9,934.8	167.1	591.7	499.6	92.09	6.425		
21,400.0	11,880.0	20,780.0	11,724.5	75.2	159.3	-54.16	-9,934.8	167.1	495.0	397.2	97.85	5.059		
21,500.0	11,880.0	20,780.0	11,724.5	76.0	159.3	-54.16	-9,934.8	167.1	400.0	292.9	107.09	3.735		
21,600.0	11,880.0	20,780.0	11,724.5	76.7	159.3	-54.16	-9,934.8	167.1	308.1	185.1	123.02	2.504		
21,690.0	11,880.0	20,780.0	11,724.5	77.4	159.3	-54.16	-9,934.8	167.1	231.2	82.9	148.28	1.559	Advise and Monitor, CC, ES, SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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)			
0.0	0.0	0.0	0.0	3.0	10.0	-16.06	676.5	-194.8	704.1				
100.0	100.0	84.4	84.4	3.0	10.0	-16.06	676.5	-194.8	703.9	688.8	15.13	46.530	
200.0	200.0	184.4	184.4	3.2	10.1	-16.06	676.5	-194.8	703.9	688.6	15.31	45.974	
300.0	300.0	284.4	284.4	3.3	10.3	-16.06	676.5	-194.8	703.9	688.4	15.59	45.155	
400.0	400.0	384.4	384.4	3.4	10.6	-16.06	676.5	-194.8	703.9	687.9	16.05	43.866	
500.0	500.0	484.4	484.4	3.5	11.3	-16.06	676.5	-194.8	703.9	686.9	17.06	41.251	
600.0	600.0	584.4	584.4	3.7	12.3	-16.06	676.5	-194.8	703.9	685.6	18.38	38.297	
700.0	700.0	684.7	684.7	3.8	13.4	-16.06	676.7	-194.8	704.2	684.3	19.94	35.313	
800.0	800.0	785.3	785.3	3.9	14.7	-16.06	676.7	-194.8	704.1	682.4	21.69	32.457	
900.0	900.0	885.9	885.9	4.0	16.0	-16.06	676.5	-194.8	704.0	680.4	23.59	29.839	
942.8	942.8	927.2	927.2	4.1	16.7	-16.06	676.5	-194.8	703.9	679.5	24.47	28.772	
1,000.0	1,000.0	984.5	984.4	4.2	17.6	-16.06	676.5	-194.8	703.9	678.2	25.74	27.352	
1,100.0	1,100.0	1,085.0	1,085.0	4.3	19.3	-16.06	676.8	-194.8	704.3	676.2	28.05	25.111	
1,200.0	1,200.0	1,187.0	1,186.9	4.4	21.0	-16.06	676.6	-194.8	704.0	673.6	30.47	23.108	
1,273.6	1,273.6	1,258.1	1,258.1	4.5	22.4	-16.06	676.5	-194.8	703.9	671.6	32.37	21.744	
1,300.0	1,300.0	1,284.5	1,284.4	4.5	22.9	-16.06	676.5	-194.8	703.9	670.8	33.12	21.253	
1,400.0	1,400.0	1,384.5	1,384.4	4.6	25.0	-16.06	676.5	-194.8	703.9	668.0	36.00	19.555	
1,500.0	1,500.0	1,485.5	1,485.4	4.8	27.1	-16.03	677.8	-194.8	705.2	666.2	38.95	18.104	
1,600.0	1,600.0	1,588.6	1,588.6	5.0	29.4	-13.79	677.4	-194.8	703.1	661.1	42.03	16.730	
1,700.0	1,699.8	1,691.6	1,691.5	5.2	31.6	-13.94	676.5	-194.8	697.2	652.1	45.14	15.445	
1,800.0	1,799.5	1,784.1	1,783.9	5.5	33.8	-14.15	676.5	-194.8	688.7	640.5	48.26	14.272	
1,900.0	1,898.7	1,883.3	1,883.1	5.8	36.2	-14.46	676.5	-194.8	676.9	625.3	51.63	13.112	
2,000.0	1,997.7	1,985.2	1,985.0	6.0	38.7	-14.74	677.7	-194.8	664.6	609.5	55.09	12.065	
2,100.0	2,096.8	2,088.1	2,087.8	6.3	41.2	-15.08	676.9	-194.8	650.5	591.9	58.61	11.099	
2,200.0	2,195.8	2,180.6	2,180.2	6.5	43.5	-15.40	676.5	-194.8	636.5	574.6	61.89	10.286	
2,300.0	2,294.8	2,280.9	2,280.5	6.8	46.1	-15.71	677.5	-194.8	624.1	558.5	65.53	9.523	
2,400.0	2,393.8	2,387.1	2,386.7	7.1	48.9	-16.12	676.6	-194.8	609.9	540.5	69.39	8.790	
2,500.0	2,492.9	2,477.8	2,477.3	7.5	51.3	-16.46	676.5	-194.8	596.4	523.5	72.85	8.186	
2,600.0	2,591.9	2,584.6	2,584.1	7.8	54.2	-16.88	676.6	-194.8	583.2	506.3	76.92	7.581	
2,700.0	2,690.9	2,679.6	2,679.0	8.1	56.9	-17.25	676.9	-194.8	570.1	489.6	80.59	7.075	
2,800.0	2,789.9	2,777.4	2,776.7	8.5	59.4	-17.68	676.8	-194.8	556.7	472.5	84.22	6.610	
2,900.0	2,889.0	2,874.2	2,873.5	8.8	61.8	-18.11	676.9	-194.8	543.5	456.0	87.55	6.208	
3,000.0	2,988.0	2,973.2	2,972.4	9.2	64.0	-18.59	676.5	-194.8	529.9	439.3	90.67	5.844	
3,100.0	3,087.0	3,072.2	3,071.5	9.5	66.0	-19.08	676.5	-194.8	516.7	423.3	93.48	5.528	
3,200.0	3,186.1	3,171.2	3,170.5	9.9	68.0	-19.60	676.5	-194.8	503.6	407.3	96.28	5.230	
3,300.0	3,285.1	3,272.0	3,271.3	10.3	70.0	-20.10	677.6	-194.8	491.6	392.4	99.14	4.958	
3,365.6	3,350.0	3,338.2	3,337.5	10.5	71.3	-20.50	677.3	-194.8	482.7	381.7	101.01	4.779	
3,400.0	3,384.1	3,373.0	3,372.3	10.6	72.0	-20.69	677.0	-194.8	478.1	376.1	102.00	4.687	
3,500.0	3,483.3	3,468.6	3,467.8	11.0	73.8	-21.20	676.5	-194.8	465.9	361.4	104.53	4.457	
3,600.0	3,582.8	3,568.0	3,567.2	11.4	75.5	-21.65	676.5	-194.8	455.9	349.0	106.86	4.266	
3,700.0	3,682.4	3,667.6	3,666.8	11.7	77.1	-22.04	676.5	-194.8	447.6	338.4	109.20	4.099	
3,800.0	3,782.1	3,768.0	3,767.2	12.1	78.8	-22.35	676.9	-194.8	441.3	329.7	111.55	3.956	
3,900.0	3,881.9	3,868.5	3,867.7	12.4	80.4	-22.62	676.7	-194.8	436.0	322.1	113.90	3.828	
4,000.0	3,981.9	3,967.1	3,966.3	12.7	82.0	-22.80	676.5	-194.8	432.3	316.1	116.17	3.721	
4,100.0	4,081.8	4,067.1	4,066.3	13.0	83.6	-22.90	676.5	-194.8	430.4	312.0	118.42	3.635	
4,165.6	4,147.4	4,132.7	4,131.8	13.1	84.7	-25.22	676.5	-194.8	430.1	310.2	119.88	3.588	
4,200.0	4,181.8	4,167.1	4,166.3	13.1	85.2	-25.22	676.5	-194.8	430.1	309.4	120.64	3.565	
4,300.0	4,281.8	4,267.4	4,266.6	13.2	86.8	-25.20	676.7	-194.8	430.3	307.4	122.87	3.502	
4,400.0	4,381.8	4,367.7	4,366.9	13.2	88.4	-25.21	676.6	-194.8	430.2	305.1	125.09	3.439	
4,500.0	4,481.8	4,467.1	4,466.3	13.3	90.0	-25.22	676.5	-194.8	430.1	302.7	127.36	3.377	
4,600.0	4,581.8	4,567.1	4,566.3	13.4	91.8	-25.22	676.5	-194.8	430.1	300.3	129.73	3.315	
4,700.0	4,681.8	4,667.1	4,666.3	13.4	93.5	-25.22	676.5	-194.8	430.1	298.0	132.10	3.256	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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				Rule Assigned:									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)				
4,800.0	4,781.8	4,767.4	4,766.6	13.5	95.2	-25.20	676.7	-194.8	430.3	295.8	134.48	3.200		
4,900.0	4,881.8	4,867.8	4,866.9	13.6	96.9	-25.21	676.6	-194.8	430.2	293.3	136.86	3.143		
5,000.0	4,981.8	4,967.1	4,966.3	13.6	98.6	-25.22	676.5	-194.8	430.1	290.8	139.28	3.088		
5,100.0	5,081.8	5,067.1	5,066.3	13.7	100.4	-25.22	676.5	-194.8	430.1	288.3	141.78	3.033		
5,200.0	5,181.8	5,167.1	5,166.3	13.8	102.2	-25.22	676.5	-194.8	430.1	285.8	144.28	2.981		
5,300.0	5,281.8	5,267.8	5,266.9	13.9	104.0	-25.19	676.9	-194.8	430.5	283.7	146.80	2.933		
5,400.0	5,381.8	5,368.5	5,367.6	13.9	105.8	-25.21	676.7	-194.8	430.3	280.9	149.32	2.882		
5,500.0	5,481.8	5,467.1	5,466.3	14.0	107.6	-25.22	676.5	-194.8	430.1	278.3	151.79	2.833		
5,600.0	5,581.8	5,567.1	5,566.3	14.1	109.4	-25.22	676.5	-194.8	430.1	275.8	154.31	2.787		
5,700.0	5,681.8	5,667.2	5,666.3	14.1	111.2	-25.19	677.0	-194.8	430.6	273.7	156.82	2.745		
5,800.0	5,781.8	5,767.9	5,767.1	14.2	113.0	-25.19	676.9	-194.8	430.5	271.1	159.35	2.701		
5,900.0	5,881.8	5,868.6	5,867.8	14.3	114.9	-25.21	676.6	-194.8	430.2	268.3	161.89	2.657		
5,999.0	5,980.8	5,966.1	5,965.3	14.4	116.7	-25.22	676.5	-194.8	430.1	265.7	164.41	2.616		
6,000.0	5,981.8	5,967.1	5,966.3	14.4	116.7	-25.22	676.5	-194.8	430.1	265.6	164.44	2.615		
6,100.0	6,081.8	6,067.1	6,066.3	14.4	118.6	-25.22	676.5	-194.8	430.1	263.0	167.07	2.574		
6,200.0	6,181.8	6,167.4	6,166.5	14.5	120.5	-25.19	677.0	-194.8	430.5	260.8	169.70	2.537		
6,300.0	6,281.8	6,268.1	6,267.2	14.6	122.4	-25.20	676.8	-194.8	430.4	258.1	172.34	2.497		
6,400.0	6,381.8	6,368.8	6,367.9	14.6	124.3	-25.22	676.5	-194.8	430.1	255.1	174.99	2.458		
6,440.8	6,422.6	6,407.9	6,407.0	14.7	125.0	-25.22	676.5	-194.8	430.1	254.0	176.05	2.443		
6,500.0	6,481.8	6,467.2	6,466.3	14.7	126.2	-25.22	676.5	-194.8	430.1	252.4	177.67	2.421		
6,600.0	6,581.8	6,567.2	6,566.3	14.8	128.2	-25.22	676.5	-194.8	430.1	249.7	180.40	2.384		
6,700.0	6,681.8	6,667.2	6,666.3	14.9	130.1	-25.22	676.5	-194.8	430.1	246.9	183.14	2.348		
6,800.0	6,781.8	6,767.2	6,766.3	14.9	132.1	-25.22	676.5	-194.8	430.1	244.2	185.87	2.314		
6,900.0	6,881.8	6,867.2	6,866.3	15.0	134.1	-25.22	676.5	-194.8	430.1	241.5	188.60	2.280		
6,910.0	6,891.8	6,877.2	6,876.3	15.0	134.3	-25.22	676.5	-194.8	430.1	241.2	188.88	2.277	CC, ES, SF	
7,000.0	6,981.8	6,903.0	6,902.1	15.1	134.8	-25.22	676.5	-194.8	434.8	247.2	187.60	2.318		
7,100.0	7,081.8	6,903.0	6,902.1	15.1	134.8	-25.22	676.5	-194.8	460.4	282.7	177.62	2.592		
7,200.0	7,181.8	6,903.0	6,902.1	15.2	134.8	-25.22	676.5	-194.8	504.8	342.1	162.69	3.103		
7,300.0	7,281.8	6,903.0	6,902.1	15.3	134.8	-25.22	676.5	-194.8	563.6	417.0	146.62	3.844		
7,400.0	7,381.8	6,903.0	6,902.1	15.4	134.8	-25.22	676.5	-194.8	632.8	501.2	131.63	4.807		
7,500.0	7,481.8	6,903.0	6,902.1	15.4	134.8	-25.22	676.5	-194.8	709.4	590.9	118.58	5.983		
7,600.0	7,581.8	6,903.0	6,902.1	15.5	134.8	-25.22	676.5	-194.8	791.3	683.7	107.56	7.357		
7,700.0	7,681.8	6,903.0	6,902.1	15.6	134.8	-25.22	676.5	-194.8	876.9	778.6	98.36	8.915		
7,800.0	7,781.8	6,903.0	6,902.1	15.7	134.8	-25.22	676.5	-194.8	965.3	874.6	90.70	10.643		

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - CONOCO FEDERAL #2 - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 490-INC-ONLY													Offset Well Error: 10.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	10.0	93.44	-27.6	458.2	459.3				
100.0	100.0	83.4	83.4	3.0	10.0	93.44	-27.6	458.2	459.0	443.9	15.14	30.325	
200.0	200.0	183.4	183.4	3.2	10.2	93.44	-27.6	458.2	459.0	443.7	15.35	29.904	
300.0	300.0	283.4	283.4	3.3	10.4	93.44	-27.6	458.2	459.0	443.3	15.68	29.275	
400.0	400.0	383.4	383.4	3.4	10.7	93.44	-27.6	458.2	459.0	442.9	16.12	28.478	
500.0	500.0	483.4	483.4	3.5	11.0	93.44	-27.6	458.2	459.0	442.4	16.66	27.557	
600.0	600.0	583.5	583.4	3.7	12.0	93.44	-27.6	458.2	459.0	441.0	17.99	25.516	
700.0	700.0	683.5	683.4	3.8	13.2	93.44	-27.6	458.2	459.0	439.3	19.69	23.313	
753.0	753.0	736.5	736.5	3.9	14.0	93.34	-26.8	458.2	459.0	438.3	20.70	22.177	
800.0	800.0	783.4	783.4	3.9	14.7	93.35	-26.8	458.2	459.0	437.3	21.64	21.211	
900.0	900.0	883.4	883.3	4.0	16.2	93.38	-27.1	458.2	459.0	435.2	23.77	19.307	
1,000.0	1,000.0	983.5	983.4	4.2	17.9	93.44	-27.6	458.2	459.0	433.0	26.05	17.619	
1,100.0	1,100.0	1,083.5	1,083.4	4.3	19.7	93.44	-27.6	458.2	459.0	430.5	28.53	16.090	
1,125.6	1,125.6	1,109.0	1,109.0	4.3	20.1	93.38	-27.1	458.2	459.0	429.8	29.17	15.733	
1,200.0	1,200.0	1,183.4	1,183.3	4.4	21.5	93.42	-27.3	458.2	459.0	427.9	31.09	14.766	
1,300.0	1,300.0	1,283.5	1,283.4	4.5	23.5	93.44	-27.6	458.2	459.0	425.2	33.87	13.554	
1,400.0	1,400.0	1,383.5	1,383.4	4.6	25.6	93.44	-27.6	458.2	459.0	422.3	36.77	12.485	
1,461.7	1,461.7	1,445.2	1,445.1	4.7	26.9	93.32	-26.6	458.2	459.0	420.4	38.58	11.897 CC	
1,500.0	1,500.0	1,483.5	1,483.4	4.8	27.7	93.32	-26.6	458.2	459.0	419.2	39.71	11.557	
1,600.0	1,600.0	1,583.4	1,583.3	5.0	29.9	95.88	-27.0	458.2	459.2	416.5	42.69	10.755	
1,700.0	1,699.8	1,683.5	1,683.3	5.2	32.1	96.59	-27.6	458.2	459.8	414.0	45.79	10.040	
1,800.0	1,799.5	1,783.1	1,782.9	5.5	34.7	97.64	-27.6	458.2	460.9	411.5	49.34	9.340	
1,900.0	1,898.7	1,882.4	1,882.1	5.8	37.2	99.09	-27.6	458.2	462.6	409.7	52.91	8.745	
2,000.0	1,997.7	1,981.2	1,980.9	6.0	39.8	100.59	-26.1	458.2	464.8	408.4	56.47	8.231	
2,100.0	2,096.8	2,079.8	2,079.5	6.3	42.3	102.31	-26.7	458.2	467.7	407.7	60.05	7.789	
2,200.0	2,195.8	2,179.7	2,179.2	6.5	45.0	104.07	-27.6	458.2	471.1	407.4	63.70	7.396	
2,300.0	2,294.8	2,278.7	2,278.2	6.8	47.6	105.68	-27.6	458.2	474.7	407.3	67.37	7.047	
2,400.0	2,393.8	2,377.7	2,377.3	7.1	50.2	107.27	-27.6	458.2	478.7	407.7	71.04	6.738	
2,500.0	2,492.9	2,476.1	2,475.6	7.5	52.8	108.60	-25.6	458.2	482.5	407.8	74.71	6.458	
2,600.0	2,591.9	2,574.1	2,573.6	7.8	55.5	110.21	-26.4	458.2	487.4	409.0	78.37	6.219	
2,700.0	2,690.9	2,675.0	2,674.4	8.1	58.2	111.87	-27.6	458.2	492.8	410.7	82.14	5.999	
2,800.0	2,789.9	2,774.1	2,773.4	8.5	60.8	113.35	-27.6	458.2	498.2	412.3	85.88	5.802	
2,900.0	2,889.0	2,873.1	2,872.4	8.8	63.5	114.79	-27.6	458.2	503.9	414.3	89.61	5.623	
3,000.0	2,988.0	2,971.6	2,970.9	9.2	66.1	116.02	-25.9	458.2	509.3	416.0	93.34	5.457	
3,100.0	3,087.0	3,069.5	3,068.8	9.5	68.8	117.43	-26.4	458.2	515.8	418.8	97.04	5.315	
3,200.0	3,186.1	3,167.4	3,166.7	9.9	71.4	118.86	-27.4	458.2	522.9	422.1	100.75	5.190	
3,300.0	3,285.1	3,269.4	3,268.5	10.3	74.8	120.22	-27.6	458.2	529.9	424.4	105.43	5.026	
3,365.6	3,350.0	3,334.4	3,333.4	10.5	77.0	121.06	-27.6	458.2	534.6	426.1	108.48	4.928	
3,400.0	3,384.1	3,368.5	3,367.6	10.6	78.1	121.51	-27.6	458.2	537.0	426.9	110.09	4.878	
3,500.0	3,483.3	3,467.0	3,466.0	11.0	81.4	122.48	-25.5	458.2	542.6	427.9	114.73	4.729	
3,600.0	3,582.8	3,564.4	3,563.5	11.4	84.7	123.51	-26.1	458.2	548.8	429.5	119.33	4.599	
3,700.0	3,682.4	3,662.0	3,661.0	11.7	88.0	124.43	-27.4	458.2	554.5	430.6	123.94	4.474	
3,800.0	3,782.1	3,767.0	3,765.5	12.1	92.0	125.12	-27.6	458.2	558.7	429.3	129.48	4.315	
3,900.0	3,881.9	3,866.9	3,865.4	12.4	95.7	125.61	-27.6	458.2	561.9	427.2	134.74	4.171	
4,000.0	3,981.9	3,966.8	3,965.3	12.7	99.5	125.93	-27.6	458.2	564.1	424.1	140.00	4.030	
4,057.4	4,039.3	4,024.2	4,022.6	12.9	101.7	125.73	-23.8	458.2	562.9	419.8	143.02	3.936	
4,100.0	4,081.8	4,065.6	4,064.0	13.0	103.2	125.80	-23.9	458.2	563.3	418.1	145.20	3.879	
4,165.6	4,147.4	4,129.5	4,127.9	13.1	105.6	123.57	-24.3	458.2	563.7	415.2	148.56	3.795	
4,200.0	4,181.8	4,163.1	4,161.4	13.1	106.9	123.60	-24.7	458.2	564.0	413.6	150.32	3.752	
4,300.0	4,281.8	4,260.5	4,258.8	13.2	110.6	123.74	-26.3	458.2	564.9	409.5	155.43	3.634	
4,400.0	4,381.8	4,367.5	4,365.3	13.2	114.6	123.84	-27.6	458.2	565.5	404.5	161.00	3.513 ES, SF	
4,500.0	4,481.8	4,468.0	4,465.7	13.3	114.6	123.84	-27.6	458.2	574.2	415.6	158.63	3.620	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - CONOCO FEDERAL #2 - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 490-INC-ONLY													Offset Well Error:	10.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,600.0	4,581.8	4,368.0	4,365.7	13.4	114.6	123.84	-27.6	458.2	599.7	447.7	152.04	3.945		
4,700.0	4,681.8	4,368.0	4,365.7	13.4	114.6	123.84	-27.6	458.2	640.0	497.3	142.70	4.485		
4,800.0	4,781.8	4,368.0	4,365.7	13.5	114.6	123.84	-27.6	458.2	692.5	560.3	132.18	5.239		
4,900.0	4,881.8	4,368.0	4,365.7	13.6	114.6	123.84	-27.6	458.2	754.6	632.9	121.64	6.203		
5,000.0	4,981.8	4,368.0	4,365.7	13.6	114.6	123.84	-27.6	458.2	824.2	712.4	111.76	7.375		
5,100.0	5,081.8	4,368.0	4,365.7	13.7	114.6	123.84	-27.6	458.2	899.6	796.8	102.81	8.749		
5,200.0	5,181.8	4,368.0	4,365.7	13.8	114.6	123.84	-27.6	458.2	979.4	884.5	94.89	10.321		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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	-8.78	200.2	-30.9	202.6				
100.0	100.0	98.3	98.3	3.0	3.0	-8.78	200.2	-30.9	202.6	196.1	6.52	31.072	
200.0	200.0	198.3	198.3	3.2	3.2	-8.78	200.2	-30.9	202.6	195.8	6.77	29.934	
300.0	300.0	298.3	298.3	3.3	3.3	-8.78	200.2	-30.9	202.6	195.6	7.02	28.879	
400.0	400.0	398.3	398.3	3.4	3.4	-8.78	200.2	-30.9	202.6	195.4	7.26	27.905	
500.0	500.0	498.3	498.3	3.5	3.5	-8.78	200.2	-30.9	202.6	195.1	7.50	27.000	
600.0	600.0	598.3	598.3	3.7	3.7	-8.78	200.2	-30.9	202.6	194.9	7.75	26.158	
700.0	700.0	698.3	698.3	3.8	3.8	-8.78	200.2	-30.9	202.6	194.6	7.99	25.372	
800.0	800.0	798.3	798.3	3.9	3.9	-8.78	200.2	-30.9	202.6	194.4	8.22	24.635	
900.0	900.0	898.3	898.3	4.0	4.0	-8.78	200.2	-30.9	202.6	194.2	8.46	23.943	
1,000.0	1,000.0	998.3	998.3	4.2	4.2	-8.78	200.2	-30.9	202.6	193.9	8.70	23.292	
1,100.0	1,100.0	1,098.3	1,098.3	4.3	4.3	-8.78	200.2	-30.9	202.6	193.7	8.93	22.678	
1,200.0	1,200.0	1,198.3	1,198.3	4.4	4.4	-8.78	200.2	-30.9	202.6	193.4	9.17	22.098	
1,300.0	1,300.0	1,298.3	1,298.3	4.5	4.5	-8.78	200.2	-30.9	202.6	193.2	9.40	21.549	
1,400.0	1,400.0	1,398.3	1,398.3	4.6	4.6	-8.78	200.2	-30.9	202.6	193.0	9.64	21.028	
1,500.0	1,500.0	1,498.3	1,498.3	4.8	4.7	-8.78	200.2	-30.9	202.6	192.7	9.87	20.533	
1,600.0	1,600.0	1,594.9	1,594.9	5.0	4.9	-6.92	200.8	-32.4	201.7	191.5	10.18	19.817	
1,700.0	1,699.8	1,691.2	1,691.0	5.2	5.0	-8.29	202.6	-36.9	199.2	188.6	10.60	18.784	
1,800.0	1,799.5	1,787.1	1,786.6	5.5	5.3	-10.63	205.6	-44.3	195.2	184.2	11.05	17.670	
1,900.0	1,898.7	1,882.4	1,881.2	5.8	5.5	-14.04	209.8	-54.6	190.3	178.8	11.51	16.524	
2,000.0	1,997.7	1,980.5	1,978.4	6.0	5.8	-18.35	214.9	-67.2	185.9	174.0	11.92	15.605	
2,100.0	2,096.8	2,079.4	2,076.3	6.3	6.0	-22.88	220.0	-79.9	182.8	170.4	12.34	14.811	
2,200.0	2,195.8	2,178.2	2,174.2	6.5	6.3	-27.53	225.2	-92.7	180.8	168.0	12.79	14.139	
2,300.0	2,294.8	2,277.1	2,272.1	6.8	6.6	-32.26	230.3	-105.4	180.1	166.8	13.25	13.588	
2,307.1	2,301.8	2,284.1	2,279.1	6.9	6.6	-32.59	230.7	-106.4	180.1	166.8	13.29	13.554 CC, ES	
2,400.0	2,393.8	2,375.9	2,370.0	7.1	6.9	-36.98	235.5	-118.2	180.6	166.9	13.73	13.156	
2,500.0	2,492.9	2,474.8	2,467.9	7.5	7.2	-41.65	240.7	-131.0	182.4	168.2	14.21	12.835	
2,600.0	2,591.9	2,573.7	2,565.8	7.8	7.5	-46.20	245.8	-143.7	185.4	170.7	14.70	12.617	
2,700.0	2,690.9	2,672.5	2,663.7	8.1	7.9	-50.58	251.0	-156.5	189.6	174.4	15.17	12.492	
2,800.0	2,789.9	2,771.4	2,761.6	8.5	8.2	-54.76	256.1	-169.2	194.8	179.1	15.65	12.448	
2,900.0	2,889.0	2,870.2	2,859.5	8.8	8.6	-58.70	261.3	-182.0	201.0	184.9	16.11	12.474	
3,000.0	2,988.0	2,969.1	2,957.4	9.2	8.9	-62.39	266.4	-194.7	208.1	191.5	16.57	12.559	
3,100.0	3,087.0	3,068.0	3,055.3	9.5	9.3	-65.83	271.6	-207.5	216.1	199.0	17.02	12.692	
3,200.0	3,186.1	3,166.8	3,153.2	9.9	9.7	-69.02	276.7	-220.3	224.7	207.3	17.47	12.864	
3,300.0	3,285.1	3,265.7	3,251.1	10.3	10.0	-71.97	281.9	-233.0	234.0	216.1	17.91	13.066	
3,365.6	3,350.0	3,330.5	3,315.3	10.5	10.3	-73.77	285.3	-241.4	240.5	222.3	18.18	13.229	
3,400.0	3,384.1	3,364.6	3,349.0	10.6	10.4	-74.69	287.0	-245.8	244.0	225.7	18.31	13.324	
3,500.0	3,483.3	3,463.5	3,447.0	11.0	10.8	-76.98	292.2	-258.5	254.7	235.9	18.76	13.573	
3,600.0	3,582.8	3,564.3	3,546.8	11.4	11.2	-78.77	297.4	-271.4	266.0	246.8	19.22	13.839	
3,700.0	3,682.4	3,668.3	3,650.0	11.7	11.6	-80.16	302.2	-283.4	276.4	256.7	19.71	14.021	
3,800.0	3,782.1	3,772.8	3,753.9	12.1	12.0	-81.19	306.4	-293.6	285.4	265.2	20.21	14.124	
3,900.0	3,881.9	3,877.5	3,858.2	12.4	12.3	-81.90	309.8	-302.1	293.0	272.3	20.70	14.159	
4,000.0	3,981.9	3,982.5	3,963.0	12.7	12.7	-82.32	312.5	-308.8	299.2	278.0	21.17	14.130	
4,100.0	4,081.8	4,087.7	4,068.0	13.0	13.1	-82.47	314.5	-313.8	303.8	282.2	21.63	14.044	
4,165.6	4,147.4	4,156.7	4,137.0	13.1	13.3	-84.73	315.5	-316.1	306.0	284.1	21.89	13.976	
4,200.0	4,181.8	4,193.0	4,173.3	13.1	13.4	-84.68	315.8	-317.0	306.9	284.8	22.02	13.933	
4,300.0	4,281.8	4,298.4	4,278.7	13.2	13.6	-84.60	316.4	-318.4	308.2	285.8	22.38	13.771	
4,400.0	4,381.8	4,399.9	4,380.2	13.2	13.7	-84.60	316.4	-318.5	308.3	285.8	22.52	13.688	
4,500.0	4,481.8	4,499.9	4,480.2	13.3	13.8	-84.60	316.4	-318.5	308.3	285.6	22.67	13.598	
4,600.0	4,581.8	4,599.9	4,580.2	13.4	13.8	-84.60	316.4	-318.5	308.3	285.5	22.82	13.509	
4,700.0	4,681.8	4,699.9	4,680.2	13.4	13.9	-84.60	316.4	-318.5	308.3	285.3	22.97	13.421	
4,800.0	4,781.8	4,799.9	4,780.2	13.5	13.9	-84.60	316.4	-318.5	308.3	285.2	23.12	13.334	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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
4,900.0	4,881.8	4,899.9	4,880.2	13.6	14.0	-84.60	316.4	-318.5	308.3	285.0	23.27	13.249	
5,000.0	4,981.8	4,999.9	4,980.2	13.6	14.0	-84.60	316.4	-318.5	308.3	284.9	23.42	13.164	
5,100.0	5,081.8	5,099.9	5,080.2	13.7	14.1	-84.60	316.4	-318.5	308.3	284.7	23.57	13.080	
5,200.0	5,181.8	5,199.9	5,180.2	13.8	14.2	-84.60	316.4	-318.5	308.3	284.6	23.72	12.997	
5,300.0	5,281.8	5,299.9	5,280.2	13.9	14.2	-84.60	316.4	-318.5	308.3	284.4	23.87	12.915	
5,400.0	5,381.8	5,399.9	5,380.2	13.9	14.3	-84.60	316.4	-318.5	308.3	284.3	24.02	12.835	
5,500.0	5,481.8	5,499.9	5,480.2	14.0	14.4	-84.60	316.4	-318.5	308.3	284.1	24.17	12.755	
5,600.0	5,581.8	5,599.9	5,580.2	14.1	14.4	-84.60	316.4	-318.5	308.3	284.0	24.32	12.676	
5,700.0	5,681.8	5,699.9	5,680.2	14.1	14.5	-84.60	316.4	-318.5	308.3	283.8	24.47	12.598	
5,800.0	5,781.8	5,799.9	5,780.2	14.2	14.5	-84.60	316.4	-318.5	308.3	283.7	24.62	12.520	
5,900.0	5,881.8	5,899.9	5,880.2	14.3	14.6	-84.60	316.4	-318.5	308.3	283.5	24.77	12.444	
6,000.0	5,981.8	5,999.9	5,980.2	14.4	14.7	-84.60	316.4	-318.5	308.3	283.4	24.92	12.368	
6,100.0	6,081.8	6,099.9	6,080.2	14.4	14.7	-84.60	316.4	-318.5	308.3	283.2	25.08	12.294	
6,200.0	6,181.8	6,199.9	6,180.2	14.5	14.8	-84.60	316.4	-318.5	308.3	283.1	25.23	12.220	
6,300.0	6,281.8	6,299.9	6,280.2	14.6	14.8	-84.60	316.4	-318.5	308.3	282.9	25.38	12.147	
6,400.0	6,381.8	6,399.9	6,380.2	14.6	14.9	-84.60	316.4	-318.5	308.3	282.8	25.53	12.075	
6,500.0	6,481.8	6,499.9	6,480.2	14.7	15.0	-84.60	316.4	-318.5	308.3	282.6	25.68	12.004	
6,600.0	6,581.8	6,599.9	6,580.2	14.8	15.0	-84.60	316.4	-318.5	308.3	282.4	25.83	11.933	
6,700.0	6,681.8	6,699.9	6,680.2	14.9	15.1	-84.60	316.4	-318.5	308.3	282.3	25.99	11.863	
6,800.0	6,781.8	6,799.9	6,780.2	14.9	15.2	-84.60	316.4	-318.5	308.3	282.1	26.14	11.794	
6,900.0	6,881.8	6,899.9	6,880.2	15.0	15.2	-84.60	316.4	-318.5	308.3	282.0	26.29	11.726	
7,000.0	6,981.8	6,999.9	6,980.2	15.1	15.3	-84.60	316.4	-318.5	308.3	281.8	26.44	11.658	
7,100.0	7,081.8	7,099.9	7,080.2	15.1	15.4	-84.60	316.4	-318.5	308.3	281.7	26.60	11.591	
7,200.0	7,181.8	7,199.9	7,180.2	15.2	15.4	-84.60	316.4	-318.5	308.3	281.5	26.75	11.525	
7,300.0	7,281.8	7,299.9	7,280.2	15.3	15.5	-84.60	316.4	-318.5	308.3	281.4	26.90	11.460	
7,400.0	7,381.8	7,399.9	7,380.2	15.4	15.5	-84.60	316.4	-318.5	308.3	281.2	27.05	11.395	
7,500.0	7,481.8	7,499.9	7,480.2	15.4	15.6	-84.60	316.4	-318.5	308.3	281.1	27.21	11.331	
7,600.0	7,581.8	7,599.9	7,580.2	15.5	15.7	-84.60	316.4	-318.5	308.3	280.9	27.36	11.268	
7,700.0	7,681.8	7,699.9	7,680.2	15.6	15.7	-84.60	316.4	-318.5	308.3	280.8	27.51	11.205	
7,800.0	7,781.8	7,799.9	7,780.2	15.7	15.8	-84.60	316.4	-318.5	308.3	280.6	27.67	11.143	
7,900.0	7,881.8	7,899.9	7,880.2	15.7	15.9	-84.60	316.4	-318.5	308.3	280.5	27.82	11.082	
8,000.0	7,981.8	7,999.9	7,980.2	15.8	15.9	-84.60	316.4	-318.5	308.3	280.3	27.97	11.021	
8,100.0	8,081.8	8,099.9	8,080.2	15.9	16.0	-84.60	316.4	-318.5	308.3	280.2	28.13	10.961	
8,200.0	8,181.8	8,199.9	8,180.2	15.9	16.1	-84.60	316.4	-318.5	308.3	280.0	28.28	10.902	
8,300.0	8,281.8	8,299.9	8,280.2	16.0	16.1	-84.60	316.4	-318.5	308.3	279.8	28.43	10.843	
8,400.0	8,381.8	8,399.9	8,380.2	16.1	16.2	-84.60	316.4	-318.5	308.3	279.7	28.59	10.784	
8,500.0	8,481.8	8,499.9	8,480.2	16.2	16.3	-84.60	316.4	-318.5	308.3	279.5	28.74	10.727	
8,600.0	8,581.8	8,599.9	8,580.2	16.2	16.3	-84.60	316.4	-318.5	308.3	279.4	28.89	10.670	
8,700.0	8,681.8	8,699.9	8,680.2	16.3	16.4	-84.60	316.4	-318.5	308.3	279.2	29.05	10.613	
8,800.0	8,781.8	8,799.9	8,780.2	16.4	16.5	-84.60	316.4	-318.5	308.3	279.1	29.20	10.557	
8,900.0	8,881.8	8,899.9	8,880.2	16.5	16.5	-84.60	316.4	-318.5	308.3	278.9	29.36	10.502	
9,000.0	8,981.8	8,999.9	8,980.2	16.5	16.6	-84.60	316.4	-318.5	308.3	278.8	29.51	10.447	
9,100.0	9,081.8	9,099.9	9,080.2	16.6	16.7	-84.60	316.4	-318.5	308.3	278.6	29.66	10.393	
9,200.0	9,181.8	9,199.9	9,180.2	16.7	16.7	-84.60	316.4	-318.5	308.3	278.5	29.82	10.339	
9,300.0	9,281.8	9,299.9	9,280.2	16.8	16.8	-84.60	316.4	-318.5	308.3	278.3	29.97	10.286	
9,400.0	9,381.8	9,399.9	9,380.2	16.8	16.9	-84.60	316.4	-318.5	308.3	278.2	30.13	10.233	
9,500.0	9,481.8	9,499.9	9,480.2	16.9	16.9	-84.60	316.4	-318.5	308.3	278.0	30.28	10.181	
9,600.0	9,581.8	9,599.9	9,580.2	17.0	17.0	-84.60	316.4	-318.5	308.3	277.8	30.44	10.129	
9,700.0	9,681.8	9,699.9	9,680.2	17.1	17.1	-84.60	316.4	-318.5	308.3	277.7	30.59	10.078	
9,800.0	9,781.8	9,799.9	9,780.2	17.1	17.1	-84.60	316.4	-318.5	308.3	277.5	30.74	10.027	
9,900.0	9,881.8	9,899.9	9,880.2	17.2	17.2	-84.60	316.4	-318.5	308.3	277.4	30.90	9.977	
10,000.0	9,981.8	9,999.9	9,980.2	17.3	17.3	-84.60	316.4	-318.5	308.3	277.2	31.05	9.927	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11150-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		Separation Factor		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,081.8	10,099.9	10,080.2	17.3	17.3	-84.60	316.4	-318.5	308.3	277.1	31.21	9.878	
10,200.0	10,181.8	10,199.9	10,180.2	17.4	17.4	-84.60	316.4	-318.5	308.3	276.9	31.36	9.829	
10,300.0	10,281.8	10,299.9	10,280.2	17.5	17.5	-84.60	316.4	-318.5	308.3	276.8	31.52	9.781	
10,400.0	10,381.8	10,399.9	10,380.2	17.6	17.5	-84.60	316.4	-318.5	308.3	276.6	31.67	9.733	
10,500.0	10,481.8	10,499.9	10,480.2	17.6	17.6	-84.60	316.4	-318.5	308.3	276.5	31.83	9.686	
10,600.0	10,581.8	10,599.9	10,580.2	17.7	17.7	-84.60	316.4	-318.5	308.3	276.3	31.98	9.639	
10,700.0	10,681.8	10,699.9	10,680.2	17.8	17.8	-84.60	316.4	-318.5	308.3	276.1	32.14	9.592	
10,800.0	10,781.8	10,799.9	10,780.2	17.9	17.8	-84.60	316.4	-318.5	308.3	276.0	32.29	9.546	
10,900.0	10,881.8	10,899.9	10,880.2	17.9	17.9	-84.60	316.4	-318.5	308.3	275.8	32.45	9.500	
11,000.0	10,981.8	10,999.9	10,980.2	18.0	18.0	-84.60	316.4	-318.5	308.3	275.7	32.61	9.455	
11,100.0	11,081.8	11,099.9	11,080.2	18.1	18.0	-84.60	316.4	-318.5	308.3	275.5	32.76	9.410	
11,110.0	11,091.8	11,109.9	11,090.2	18.1	18.0	-84.60	316.4	-318.5	308.3	275.5	32.77	9.407	
11,200.0	11,181.8	11,197.3	11,177.5	18.2	18.1	-84.23	318.4	-318.5	308.5	275.6	32.89	9.378	
11,300.0	11,281.8	11,289.6	11,268.5	18.3	18.1	-81.48	333.4	-318.5	310.6	277.4	33.18	9.361 SF	
11,325.2	11,307.0	11,311.9	11,290.0	18.3	18.1	-80.42	339.2	-318.5	311.7	278.4	33.28	9.367	
11,350.0	11,331.8	11,333.2	11,310.4	18.3	18.1	101.03	345.5	-318.5	313.2	279.8	33.39	9.381	
11,400.0	11,381.6	11,373.3	11,347.9	18.3	18.1	103.59	359.4	-318.6	318.2	284.5	33.72	9.437	
11,450.0	11,430.9	11,408.6	11,380.2	18.4	18.1	106.20	373.9	-318.6	326.8	292.6	34.20	9.554	
11,500.0	11,479.1	11,438.7	11,406.9	18.5	18.2	108.35	387.7	-318.7	339.9	305.0	34.86	9.751	
11,550.0	11,526.1	11,463.6	11,428.4	18.5	18.2	109.69	400.2	-318.7	358.1	322.4	35.64	10.046	
11,600.0	11,571.4	11,483.5	11,445.2	18.6	18.2	109.95	410.9	-318.8	381.5	345.0	36.51	10.451	
11,650.0	11,614.7	11,500.0	11,458.9	18.7	18.2	109.17	420.2	-318.8	409.9	372.5	37.34	10.978	
11,700.0	11,655.7	11,509.7	11,466.8	18.8	18.2	106.61	425.8	-318.8	442.5	404.4	38.16	11.597	
11,750.0	11,694.0	11,517.1	11,472.7	18.8	18.2	102.77	430.2	-318.8	478.8	439.9	38.85	12.322	
11,800.0	11,729.3	11,521.3	11,476.1	18.9	18.2	97.37	432.7	-318.8	517.8	478.3	39.43	13.130	
11,850.0	11,761.5	11,522.7	11,477.2	19.0	18.2	90.46	433.5	-318.8	558.8	518.9	39.89	14.008	
11,900.0	11,790.2	11,521.6	11,476.3	19.0	18.2	82.29	432.9	-318.8	601.2	560.9	40.24	14.941	
11,950.0	11,815.2	11,518.5	11,473.8	19.1	18.2	73.36	431.0	-318.8	644.4	603.9	40.48	15.916	
12,000.0	11,836.3	11,513.5	11,469.9	19.1	18.2	64.38	428.1	-318.8	687.8	647.2	40.64	16.924	
12,050.0	11,853.4	11,500.0	11,458.9	19.2	18.2	55.12	420.2	-318.8	731.3	690.4	40.84	17.907	
12,100.0	11,866.4	11,500.0	11,458.9	19.2	18.2	48.64	420.2	-318.8	774.0	733.3	40.72	19.006	
12,150.0	11,875.1	11,500.0	11,458.9	19.2	18.2	43.03	420.2	-318.8	816.1	775.6	40.55	20.128	
12,200.0	11,879.4	11,479.9	11,442.2	19.3	18.2	37.07	408.9	-318.8	856.9	816.3	40.60	21.107	
12,225.2	11,880.0	11,474.5	11,437.6	19.3	18.2	34.81	406.0	-318.8	877.0	836.5	40.52	21.641	
12,300.0	11,880.0	11,450.0	11,416.7	19.3	18.2	33.58	393.3	-318.7	937.0	896.6	40.42	23.180	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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							Rule Assigned:				Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-0.28	200.2	-1.0	200.2					
100.0	100.0	98.1	98.1	3.0	3.0	-0.28	200.2	-1.0	200.2	193.6	6.52	30.697		
200.0	200.0	198.1	198.1	3.2	3.2	-0.28	200.2	-1.0	200.2	193.4	6.77	29.572		
300.0	300.0	298.1	298.1	3.3	3.3	-0.28	200.2	-1.0	200.2	193.1	7.02	28.528		
400.0	400.0	398.1	398.1	3.4	3.4	-0.28	200.2	-1.0	200.2	192.9	7.26	27.564		
500.0	500.0	498.1	498.1	3.5	3.5	-0.28	200.2	-1.0	200.2	192.7	7.51	26.668		
600.0	600.0	598.1	598.1	3.7	3.7	-0.28	200.2	-1.0	200.2	192.4	7.75	25.834		
700.0	700.0	698.1	698.1	3.8	3.8	-0.28	200.2	-1.0	200.2	192.2	7.99	25.055		
800.0	800.0	798.1	798.1	3.9	3.9	-0.28	200.2	-1.0	200.2	191.9	8.23	24.325		
900.0	900.0	898.1	898.1	4.0	4.0	-0.28	200.2	-1.0	200.2	191.7	8.47	23.639		
1,000.0	1,000.0	998.1	998.1	4.2	4.2	-0.28	200.2	-1.0	200.2	191.5	8.71	22.994		
1,100.0	1,100.0	1,098.1	1,098.1	4.3	4.3	-0.28	200.2	-1.0	200.2	191.2	8.94	22.385		
1,200.0	1,200.0	1,198.1	1,198.1	4.4	4.4	-0.28	200.2	-1.0	200.2	191.0	9.18	21.810		
1,300.0	1,300.0	1,298.1	1,298.1	4.5	4.5	-0.28	200.2	-1.0	200.2	190.7	9.41	21.265		
1,400.0	1,400.0	1,398.1	1,398.1	4.6	4.6	-0.28	200.2	-1.0	200.2	190.5	9.65	20.749		
1,500.0	1,500.0	1,498.1	1,498.1	4.8	4.7	-0.28	200.2	-1.0	200.2	190.3	9.88	20.258		
1,600.0	1,600.0	1,593.4	1,593.4	5.0	4.9	2.34	201.3	0.1	199.6	189.3	10.22	19.533		
1,700.0	1,699.8	1,688.5	1,688.4	5.2	5.1	3.35	204.6	3.3	197.9	187.2	10.67	18.555		
1,800.0	1,799.5	1,785.2	1,784.7	5.5	5.2	5.05	210.2	8.7	195.2	184.1	11.04	17.676		
1,900.0	1,898.7	1,884.8	1,884.0	5.8	5.4	7.12	216.5	14.8	189.7	178.2	11.51	16.480		
2,000.0	1,997.7	1,984.3	1,983.1	6.0	5.6	9.38	222.7	20.8	182.8	170.8	11.94	15.310		
2,100.0	2,096.8	2,083.8	2,082.2	6.3	5.9	11.81	228.9	26.8	176.1	163.7	12.40	14.209		
2,200.0	2,195.8	2,183.3	2,181.3	6.5	6.1	14.43	235.2	32.8	169.8	157.0	12.88	13.184		
2,300.0	2,294.8	2,282.7	2,280.4	6.8	6.4	17.24	241.4	38.9	163.9	150.5	13.39	12.241		
2,400.0	2,393.8	2,382.2	2,379.5	7.1	6.7	20.25	247.6	44.9	158.5	144.5	13.92	11.383		
2,500.0	2,492.9	2,481.7	2,478.6	7.5	7.0	23.47	253.9	50.9	153.5	139.0	14.46	10.613		
2,600.0	2,591.9	2,581.2	2,577.7	7.8	7.3	26.89	260.1	56.9	149.0	134.0	15.00	9.931		
2,700.0	2,690.9	2,680.7	2,676.8	8.1	7.6	30.51	266.4	63.0	145.0	129.5	15.53	9.337		
2,800.0	2,789.9	2,780.2	2,776.0	8.5	7.9	34.31	272.6	69.0	141.7	125.7	16.05	8.830		
2,900.0	2,889.0	2,879.7	2,875.1	8.8	8.2	38.27	278.8	75.0	139.1	122.5	16.54	8.408		
3,000.0	2,988.0	2,980.2	2,975.2	9.2	8.5	42.41	285.0	81.0	137.0	120.0	16.96	8.076		
3,100.0	3,087.0	3,082.0	3,076.8	9.5	8.8	46.71	290.2	86.0	134.1	116.8	17.36	7.725		
3,200.0	3,186.1	3,183.8	3,178.4	9.9	9.1	51.24	294.1	89.8	130.3	112.6	17.69	7.364		
3,300.0	3,285.1	3,285.3	3,279.9	10.3	9.4	56.15	296.7	92.3	125.5	107.6	17.91	7.008		
3,365.6	3,350.0	3,351.8	3,346.3	10.5	9.6	59.66	297.7	93.2	122.0	104.0	17.95	6.794		
3,400.0	3,384.1	3,386.7	3,381.2	10.6	9.7	61.56	298.0	93.5	120.0	102.1	17.95	6.689		
3,500.0	3,483.3	3,486.9	3,481.4	11.0	9.8	66.97	298.2	93.7	114.8	97.0	17.80	6.452		
3,600.0	3,582.8	3,586.3	3,580.9	11.4	9.9	72.01	298.2	93.7	111.0	93.4	17.63	6.297		
3,700.0	3,682.4	3,685.9	3,680.5	11.7	10.0	76.48	298.2	93.7	108.6	91.1	17.51	6.201		
3,800.0	3,782.1	3,785.7	3,780.2	12.1	10.0	80.23	298.2	93.7	107.1	89.7	17.45	6.139		
3,900.0	3,881.9	3,885.5	3,880.0	12.4	10.1	83.14	298.2	93.7	106.3	88.9	17.46	6.090		
4,000.0	3,981.9	3,985.4	3,980.0	12.7	10.2	85.16	298.2	93.7	105.9	88.4	17.54	6.041		
4,100.0	4,081.8	4,085.4	4,079.9	13.0	10.3	86.25	298.2	93.7	105.8	88.1	17.67	5.986		
4,165.6	4,147.4	4,151.0	4,145.5	13.1	10.3	84.15	298.2	93.7	105.8	88.0	17.77	5.953		
4,200.0	4,181.8	4,185.4	4,179.9	13.1	10.4	84.15	298.2	93.7	105.8	87.9	17.81	5.937		
4,300.0	4,281.8	4,285.4	4,279.9	13.2	10.5	84.15	298.2	93.7	105.8	87.8	18.01	5.873		
4,400.0	4,381.8	4,385.4	4,379.9	13.2	10.5	84.15	298.2	93.7	105.8	87.6	18.20	5.811		
4,500.0	4,481.8	4,485.4	4,479.9	13.3	10.6	84.15	298.2	93.7	105.8	87.4	18.39	5.750		
4,600.0	4,581.8	4,585.4	4,579.9	13.4	10.7	84.15	298.2	93.7	105.8	87.2	18.59	5.690		
4,700.0	4,681.8	4,685.4	4,679.9	13.4	10.8	84.15	298.2	93.7	105.8	87.0	18.78	5.632		
4,800.0	4,781.8	4,785.4	4,779.9	13.5	10.9	84.15	298.2	93.7	105.8	86.8	18.97	5.575		
4,900.0	4,881.8	4,885.4	4,879.9	13.6	11.0	84.15	298.2	93.7	105.8	86.6	19.16	5.519		

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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							Rule Assigned:				Offset Well Error:		3.0 usft
Reference	Offset	Offset		Semi Major Axis		Offset Wellbore Centre			Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
5,000.0	4,981.8	4,985.4	4,979.9	13.6	11.0	84.15	298.2	93.7	105.8	86.4	19.35	5.465			
5,100.0	5,081.8	5,085.4	5,079.9	13.7	11.1	84.15	298.2	93.7	105.8	86.2	19.54	5.412			
5,200.0	5,181.8	5,185.4	5,179.9	13.8	11.2	84.15	298.2	93.7	105.8	86.0	19.73	5.360			
5,300.0	5,281.8	5,285.4	5,279.9	13.9	11.3	84.15	298.2	93.7	105.8	85.8	19.92	5.309			
5,400.0	5,381.8	5,385.4	5,379.9	13.9	11.4	84.15	298.2	93.7	105.8	85.7	20.11	5.260			
5,500.0	5,481.8	5,485.4	5,479.9	14.0	11.5	84.15	298.2	93.7	105.8	85.5	20.29	5.211			
5,600.0	5,581.8	5,585.4	5,579.9	14.1	11.5	84.15	298.2	93.7	105.8	85.3	20.48	5.163			
5,700.0	5,681.8	5,685.4	5,679.9	14.1	11.6	84.15	298.2	93.7	105.8	85.1	20.67	5.117			
5,800.0	5,781.8	5,785.4	5,779.9	14.2	11.7	84.15	298.2	93.7	105.8	84.9	20.86	5.071			
5,900.0	5,881.8	5,885.4	5,879.9	14.3	11.8	84.15	298.2	93.7	105.8	84.7	21.04	5.026			
6,000.0	5,981.8	5,985.4	5,979.9	14.4	11.9	84.15	298.2	93.7	105.8	84.5	21.23	4.982			
6,100.0	6,081.8	6,085.4	6,079.9	14.4	12.0	84.15	298.2	93.7	105.8	84.3	21.41	4.939			
6,200.0	6,181.8	6,185.4	6,179.9	14.5	12.0	84.15	298.2	93.7	105.8	84.2	21.60	4.897			
6,300.0	6,281.8	6,285.4	6,279.9	14.6	12.1	84.15	298.2	93.7	105.8	84.0	21.78	4.855			
6,400.0	6,381.8	6,385.4	6,379.9	14.6	12.2	84.15	298.2	93.7	105.8	83.8	21.96	4.815			
6,500.0	6,481.8	6,485.4	6,479.9	14.7	12.3	84.15	298.2	93.7	105.8	83.6	22.15	4.775			
6,600.0	6,581.8	6,585.4	6,579.9	14.8	12.4	84.15	298.2	93.7	105.8	83.4	22.33	4.736			
6,700.0	6,681.8	6,685.4	6,679.9	14.9	12.5	84.15	298.2	93.7	105.8	83.2	22.51	4.697			
6,800.0	6,781.8	6,785.4	6,779.9	14.9	12.5	84.15	298.2	93.7	105.8	83.1	22.70	4.659			
6,900.0	6,881.8	6,885.4	6,879.9	15.0	12.6	84.15	298.2	93.7	105.8	82.9	22.88	4.622			
7,000.0	6,981.8	6,985.4	6,979.9	15.1	12.7	84.15	298.2	93.7	105.8	82.7	23.06	4.586			
7,100.0	7,081.8	7,085.4	7,079.9	15.1	12.8	84.15	298.2	93.7	105.8	82.5	23.24	4.550			
7,200.0	7,181.8	7,185.4	7,179.9	15.2	12.9	84.15	298.2	93.7	105.8	82.3	23.42	4.515			
7,300.0	7,281.8	7,285.4	7,279.9	15.3	13.0	84.15	298.2	93.7	105.8	82.2	23.61	4.480			
7,400.0	7,381.8	7,385.4	7,379.9	15.4	13.0	84.15	298.2	93.7	105.8	82.0	23.79	4.446			
7,500.0	7,481.8	7,485.4	7,479.9	15.4	13.1	84.15	298.2	93.7	105.8	81.8	23.97	4.413			
7,600.0	7,581.8	7,585.4	7,579.9	15.5	13.2	84.15	298.2	93.7	105.8	81.6	24.15	4.380			
7,700.0	7,681.8	7,685.4	7,679.9	15.6	13.3	84.15	298.2	93.7	105.8	81.4	24.33	4.347			
7,800.0	7,781.8	7,785.4	7,779.9	15.7	13.4	84.15	298.2	93.7	105.8	81.3	24.51	4.316			
7,900.0	7,881.8	7,885.4	7,879.9	15.7	13.5	84.15	298.2	93.7	105.8	81.1	24.69	4.284			
8,000.0	7,981.8	7,985.4	7,979.9	15.8	13.5	84.15	298.2	93.7	105.8	80.9	24.86	4.253			
8,100.0	8,081.8	8,085.4	8,079.9	15.9	13.6	84.15	298.2	93.7	105.8	80.7	25.04	4.223			
8,200.0	8,181.8	8,185.4	8,179.9	15.9	13.7	84.15	298.2	93.7	105.8	80.5	25.22	4.193			
8,300.0	8,281.8	8,285.4	8,279.9	16.0	13.8	84.15	298.2	93.7	105.8	80.4	25.40	4.164			
8,400.0	8,381.8	8,385.4	8,379.9	16.1	13.9	84.15	298.2	93.7	105.8	80.2	25.58	4.135			
8,500.0	8,481.8	8,485.4	8,479.9	16.2	14.0	84.15	298.2	93.7	105.8	80.0	25.76	4.106			
8,600.0	8,581.8	8,585.4	8,579.9	16.2	14.0	84.15	298.2	93.7	105.8	79.8	25.93	4.078			
8,700.0	8,681.8	8,685.4	8,679.9	16.3	14.1	84.15	298.2	93.7	105.8	79.6	26.11	4.050			
8,800.0	8,781.8	8,785.4	8,779.9	16.4	14.2	84.15	298.2	93.7	105.8	79.5	26.29	4.023			
8,900.0	8,881.8	8,885.4	8,879.9	16.5	14.3	84.15	298.2	93.7	105.8	79.3	26.46	3.996			
9,000.0	8,981.8	8,985.4	8,979.9	16.5	14.4	84.15	298.2	93.7	105.8	79.1	26.64	3.970			
9,100.0	9,081.8	9,085.4	9,079.9	16.6	14.4	84.15	298.2	93.7	105.8	78.9	26.82	3.943			
9,200.0	9,181.8	9,185.4	9,179.9	16.7	14.5	84.15	298.2	93.7	105.8	78.8	26.99	3.918			
9,300.0	9,281.8	9,285.4	9,279.9	16.8	14.6	84.15	298.2	93.7	105.8	78.6	27.17	3.892			
9,400.0	9,381.8	9,385.4	9,379.9	16.8	14.7	84.15	298.2	93.7	105.8	78.4	27.35	3.867			
9,500.0	9,481.8	9,485.4	9,479.9	16.9	14.8	84.15	298.2	93.7	105.8	78.2	27.52	3.843			
9,600.0	9,581.8	9,585.4	9,579.9	17.0	14.9	84.15	298.2	93.7	105.8	78.1	27.70	3.818			
9,700.0	9,681.8	9,685.4	9,679.9	17.1	14.9	84.15	298.2	93.7	105.8	77.9	27.87	3.794			
9,800.0	9,781.8	9,785.4	9,779.9	17.1	15.0	84.15	298.2	93.7	105.8	77.7	28.05	3.770			
9,900.0	9,881.8	9,885.4	9,879.9	17.2	15.1	84.15	298.2	93.7	105.8	77.5	28.22	3.747			
10,000.0	9,981.8	9,985.4	9,979.9	17.3	15.2	84.15	298.2	93.7	105.8	77.4	28.40	3.724			
10,100.0	10,081.8	10,085.4	10,079.9	17.3	15.3	84.15	298.2	93.7	105.8	77.2	28.57	3.701			

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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	
10,200.0	10,181.8	10,185.4	10,179.9	17.4	15.4	84.15	298.2	93.7	105.8	77.0	28.75	3.679		
10,300.0	10,281.8	10,285.4	10,279.9	17.5	15.4	84.15	298.2	93.7	105.8	76.8	28.92	3.657		
10,400.0	10,381.8	10,385.4	10,379.9	17.6	15.5	84.15	298.2	93.7	105.8	76.7	29.10	3.635		
10,500.0	10,481.8	10,485.4	10,479.9	17.6	15.6	84.15	298.2	93.7	105.8	76.5	29.27	3.613		
10,600.0	10,581.8	10,585.4	10,579.9	17.7	15.7	84.15	298.2	93.7	105.8	76.3	29.44	3.592		
10,700.0	10,681.8	10,685.4	10,679.9	17.8	15.8	84.15	298.2	93.7	105.8	76.1	29.62	3.571		
10,800.0	10,781.8	10,785.4	10,779.9	17.9	15.9	84.15	298.2	93.7	105.8	76.0	29.79	3.550		
10,900.0	10,881.8	10,885.4	10,879.9	17.9	15.9	84.15	298.2	93.7	105.8	75.8	29.97	3.529		
11,000.0	10,981.8	10,985.4	10,979.9	18.0	16.0	84.15	298.2	93.7	105.8	75.6	30.14	3.509		
11,100.0	11,081.8	11,085.4	11,079.9	18.1	16.1	84.15	298.2	93.7	105.8	75.4	30.31	3.489		
11,200.0	11,181.8	11,185.4	11,179.9	18.2	16.2	84.15	298.2	93.7	105.8	75.3	30.49	3.469		
11,300.0	11,281.8	11,285.4	11,279.9	18.3	16.3	84.15	298.2	93.7	105.8	75.1	30.66	3.450		
11,316.8	11,298.6	11,302.2	11,296.7	18.3	16.3	84.15	298.2	93.7	105.8	75.1	30.68	3.447 CC		
11,325.2	11,307.0	11,310.5	11,305.0	18.3	16.3	84.15	298.2	93.7	105.8	75.1	30.68	3.447 ES		
11,350.0	11,331.8	11,334.9	11,329.4	18.3	16.3	-96.03	298.7	93.7	105.9	75.1	30.72	3.446 SF		
11,400.0	11,381.6	11,382.9	11,377.2	18.3	16.4	-100.25	302.7	93.6	107.1	76.2	30.94	3.462		
11,450.0	11,430.9	11,427.8	11,421.5	18.4	16.4	-107.47	310.1	93.6	111.4	79.9	31.48	3.539		
11,500.0	11,479.1	11,468.2	11,460.7	18.5	16.4	-115.60	319.7	93.6	121.4	88.9	32.49	3.738		
11,550.0	11,526.1	11,500.0	11,491.1	18.5	16.5	-121.90	329.2	93.6	139.2	105.2	34.00	4.094		
11,600.0	11,571.4	11,532.5	11,521.5	18.6	16.5	-127.83	340.6	93.5	164.8	129.6	35.22	4.679		
11,650.0	11,614.7	11,556.3	11,543.3	18.7	16.5	-130.67	350.1	93.5	197.3	160.9	36.41	5.419		
11,700.0	11,655.7	11,574.8	11,560.0	18.8	16.6	-131.21	358.0	93.5	235.3	197.9	37.37	6.296		
11,750.0	11,694.0	11,588.6	11,572.3	18.8	16.6	-129.29	364.3	93.4	277.2	239.1	38.10	7.276		
11,800.0	11,729.3	11,600.0	11,582.4	18.9	16.6	-124.98	369.7	93.4	322.0	283.4	38.58	8.346		
11,850.0	11,761.5	11,600.0	11,582.4	19.0	16.6	-113.39	369.7	93.4	368.8	329.6	39.18	9.411		
11,900.0	11,790.2	11,600.0	11,582.4	19.0	16.6	-96.88	369.7	93.4	416.7	377.2	39.53	10.542		
11,950.0	11,815.2	11,600.0	11,582.4	19.1	16.6	-76.87	369.7	93.4	465.3	425.6	39.69	11.723		
12,000.0	11,836.3	11,600.0	11,582.4	19.1	16.6	-57.92	369.7	93.4	513.9	474.2	39.71	12.942		
12,050.0	11,853.4	11,600.0	11,582.4	19.2	16.6	-43.41	369.7	93.4	562.2	522.6	39.62	14.189		
12,100.0	11,866.4	11,600.0	11,582.4	19.2	16.6	-33.33	369.7	93.4	610.0	570.5	39.46	15.458		
12,150.0	11,875.1	11,600.0	11,582.4	19.2	16.6	-26.41	369.7	93.4	657.0	617.8	39.24	16.745		
12,200.0	11,879.4	11,579.0	11,563.8	19.3	16.6	-20.23	359.9	93.5	702.5	663.2	39.33	17.862		
12,225.2	11,880.0	11,574.1	11,559.5	19.3	16.6	-18.31	357.7	93.5	725.0	685.8	39.24	18.476		
12,300.0	11,880.0	11,550.0	11,537.6	19.3	16.5	-17.21	347.5	93.5	791.9	752.8	39.14	20.232		
12,400.0	11,880.0	11,550.0	11,537.6	19.3	16.5	-17.21	347.5	93.5	882.4	843.7	38.63	22.841		
12,500.0	11,880.0	11,528.7	11,518.0	19.3	16.5	-16.32	339.2	93.5	974.1	935.6	38.49	25.310		

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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	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	8.26	199.8	29.0	201.9				
100.0	100.0	98.1	98.1	3.0	3.0	8.26	199.8	29.0	201.9	195.4	6.52	30.964	
200.0	200.0	198.1	198.1	3.2	3.2	8.26	199.8	29.0	201.9	195.1	6.77	29.830	
300.0	300.0	298.1	298.1	3.3	3.3	8.26	199.8	29.0	201.9	194.9	7.02	28.778	
400.0	400.0	398.1	398.1	3.4	3.4	8.26	199.8	29.0	201.9	194.6	7.26	27.807	
500.0	500.0	498.1	498.1	3.5	3.5	8.26	199.8	29.0	201.9	194.4	7.50	26.905	
600.0	600.0	598.1	598.1	3.7	3.7	8.26	199.8	29.0	201.9	194.2	7.75	26.066	
700.0	700.0	698.1	698.1	3.8	3.8	8.26	199.8	29.0	201.9	193.9	7.99	25.282	
800.0	800.0	798.1	798.1	3.9	3.9	8.26	199.8	29.0	201.9	193.7	8.22	24.548	
900.0	900.0	898.1	898.1	4.0	4.0	8.26	199.8	29.0	201.9	193.4	8.46	23.858	
1,000.0	1,000.0	998.1	998.1	4.2	4.2	8.26	199.8	29.0	201.9	193.2	8.70	23.209	
1,100.0	1,100.0	1,098.1	1,098.1	4.3	4.3	8.26	199.8	29.0	201.9	193.0	8.93	22.597	
1,200.0	1,200.0	1,198.1	1,198.1	4.4	4.4	8.26	199.8	29.0	201.9	192.7	9.17	22.018	
1,300.0	1,300.0	1,298.1	1,298.1	4.5	4.5	8.26	199.8	29.0	201.9	192.5	9.40	21.471	
1,400.0	1,400.0	1,398.1	1,398.1	4.6	4.6	8.26	199.8	29.0	201.9	192.3	9.64	20.951	
1,500.0	1,500.0	1,498.1	1,498.1	4.8	4.7	8.26	199.8	29.0	201.9	192.0	9.87	20.458	
1,600.0	1,600.0	1,594.4	1,594.4	5.0	4.9	10.87	200.6	29.9	201.1	190.9	10.18	19.763	
1,700.0	1,699.8	1,690.5	1,690.4	5.2	5.0	11.83	202.9	32.6	198.8	188.2	10.59	18.762	
1,800.0	1,799.5	1,786.5	1,786.2	5.5	5.2	13.49	206.7	37.2	195.1	184.0	11.04	17.678	
1,900.0	1,898.7	1,882.2	1,881.5	5.8	5.4	15.92	212.1	43.6	190.2	178.7	11.50	16.542	
2,000.0	1,997.7	1,977.6	1,976.4	6.0	5.7	19.00	219.0	51.8	186.1	174.2	11.91	15.635	
2,100.0	2,096.8	2,076.3	2,074.2	6.3	5.9	22.74	227.3	62.2	184.5	172.2	12.29	15.004	
2,200.0	2,195.8	2,178.3	2,175.2	6.5	6.1	27.46	233.6	74.8	182.4	169.7	12.69	14.369	
2,300.0	2,294.8	2,277.0	2,272.9	6.8	6.3	32.42	238.7	87.5	181.0	167.9	13.12	13.799	
2,349.4	2,343.7	2,325.8	2,321.2	7.0	6.5	34.88	241.3	93.8	180.8	167.5	13.34	13.558 CC	
2,400.0	2,393.8	2,375.7	2,370.7	7.1	6.6	37.41	243.9	100.3	181.0	167.4	13.56	13.347 ES	
2,500.0	2,492.9	2,474.4	2,468.4	7.5	6.9	42.36	249.0	113.0	182.4	168.4	14.01	13.024	
2,600.0	2,591.9	2,573.2	2,566.2	7.8	7.2	47.21	254.2	125.7	185.2	170.8	14.45	12.817	
2,700.0	2,690.9	2,671.9	2,664.0	8.1	7.6	51.88	259.3	138.5	189.3	174.4	14.89	12.716	
2,800.0	2,789.9	2,770.6	2,761.7	8.5	7.9	56.33	264.5	151.2	194.6	179.3	15.32	12.704 SF	
2,900.0	2,889.0	2,869.3	2,859.5	8.8	8.3	60.53	269.6	163.9	201.1	185.3	15.75	12.769	
3,000.0	2,988.0	2,968.0	2,957.2	9.2	8.6	64.45	274.8	176.7	208.6	192.4	16.17	12.897	
3,100.0	3,087.0	3,066.7	3,055.0	9.5	9.0	68.09	279.9	189.4	217.0	200.4	16.59	13.075	
3,200.0	3,186.1	3,165.5	3,152.7	9.9	9.4	71.45	285.1	202.2	226.2	209.2	17.02	13.293	
3,300.0	3,285.1	3,264.2	3,250.5	10.3	9.7	74.54	290.2	214.9	236.1	218.7	17.44	13.540	
3,365.6	3,350.0	3,328.9	3,314.6	10.5	10.0	76.43	293.6	223.2	243.0	225.3	17.69	13.733	
3,400.0	3,384.1	3,362.9	3,348.3	10.6	10.1	77.39	295.4	227.6	246.7	228.9	17.82	13.844	
3,500.0	3,483.3	3,461.7	3,446.1	11.0	10.5	79.79	300.5	240.4	258.1	239.8	18.27	14.130	
3,600.0	3,582.8	3,560.7	3,544.1	11.4	10.9	81.64	305.7	253.2	270.1	251.4	18.73	14.420	
3,700.0	3,682.4	3,659.7	3,642.2	11.7	11.3	82.99	310.8	265.9	282.6	263.3	19.22	14.703	
3,800.0	3,782.1	3,758.9	3,740.3	12.1	11.7	83.91	316.0	278.7	295.3	275.6	19.72	14.972	
3,900.0	3,881.9	3,858.0	3,838.5	12.4	12.1	84.43	321.2	291.5	308.3	288.0	20.25	15.224	
4,000.0	3,981.9	3,957.1	3,936.7	12.7	12.5	84.62	326.3	304.3	321.4	300.6	20.79	15.456	
4,100.0	4,081.8	4,056.2	4,034.8	13.0	12.9	84.50	331.5	317.1	334.7	313.3	21.36	15.670	
4,165.6	4,147.4	4,121.2	4,099.1	13.1	13.1	81.98	334.9	325.5	343.5	321.8	21.72	15.816	
4,200.0	4,181.8	4,155.3	4,132.9	13.1	13.3	81.79	336.7	329.9	348.2	326.3	21.90	15.894	
4,300.0	4,281.8	4,254.3	4,231.0	13.2	13.7	81.26	341.8	342.7	361.7	339.2	22.49	16.082	
4,400.0	4,381.8	4,353.3	4,329.0	13.2	14.1	80.77	347.0	355.4	375.3	352.2	23.08	16.260	
4,500.0	4,481.8	4,452.3	4,427.1	13.3	14.5	80.32	352.1	368.2	388.9	365.2	23.67	16.429	
4,600.0	4,581.8	4,551.4	4,525.1	13.4	14.9	79.90	357.3	381.0	402.5	378.2	24.26	16.590	
4,700.0	4,681.8	4,650.4	4,623.2	13.4	15.3	79.50	362.5	393.8	416.1	391.3	24.85	16.744	
4,800.0	4,781.8	4,749.4	4,721.3	13.5	15.7	79.13	367.6	406.6	429.8	404.3	25.44	16.890	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,900.0	4,881.8	4,848.4	4,819.3	13.6	16.1	78.79	372.8	419.3	443.4	417.4	26.04	17.030	
5,000.0	4,981.8	4,947.5	4,917.4	13.6	16.6	78.46	378.0	432.1	457.1	430.5	26.63	17.164	
5,100.0	5,081.8	5,046.5	5,015.5	13.7	17.0	78.15	383.1	444.9	470.8	443.6	27.22	17.296	
5,200.0	5,181.8	5,151.4	5,119.4	13.8	17.4	77.85	388.4	458.0	484.1	456.3	27.84	17.392	
5,300.0	5,281.8	5,259.8	5,227.1	13.9	17.8	77.60	393.2	469.9	495.7	467.3	28.46	17.418	
5,400.0	5,381.8	5,368.7	5,335.4	13.9	18.3	77.40	397.2	479.8	505.5	476.4	29.05	17.399	
5,500.0	5,481.8	5,478.0	5,444.3	14.0	18.7	77.24	400.5	487.9	513.4	483.7	29.61	17.337	
5,600.0	5,581.8	5,587.5	5,553.7	14.1	19.1	77.12	403.0	494.1	519.4	489.2	30.13	17.237	
5,700.0	5,681.8	5,697.3	5,663.4	14.1	19.4	77.04	404.7	498.3	523.5	492.9	30.61	17.104	
5,800.0	5,781.8	5,807.2	5,773.3	14.2	19.7	77.00	405.7	500.6	525.7	494.7	31.00	16.957	
5,900.0	5,881.8	5,914.0	5,880.0	14.3	19.8	76.99	405.8	501.1	526.1	495.0	31.17	16.877	
6,000.0	5,981.8	6,014.0	5,980.0	14.4	19.9	76.99	405.8	501.1	526.1	494.8	31.30	16.810	
6,100.0	6,081.8	6,114.0	6,080.0	14.4	19.9	76.99	405.8	501.1	526.1	494.7	31.42	16.747	
6,200.0	6,181.8	6,214.0	6,180.0	14.5	20.0	76.99	405.8	501.1	526.1	494.6	31.53	16.685	
6,300.0	6,281.8	6,314.0	6,280.0	14.6	20.0	76.99	405.8	501.1	526.1	494.5	31.65	16.623	
6,400.0	6,381.8	6,414.0	6,380.0	14.6	20.1	76.99	405.8	501.1	526.1	494.4	31.77	16.562	
6,500.0	6,481.8	6,514.0	6,480.0	14.7	20.1	76.99	405.8	501.1	526.1	494.2	31.89	16.500	
6,600.0	6,581.8	6,614.0	6,580.0	14.8	20.1	76.99	405.8	501.1	526.1	494.1	32.01	16.439	
6,700.0	6,681.8	6,714.0	6,680.0	14.9	20.2	76.99	405.8	501.1	526.1	494.0	32.12	16.378	
6,800.0	6,781.8	6,814.0	6,780.0	14.9	20.2	76.99	405.8	501.1	526.1	493.9	32.24	16.317	
6,900.0	6,881.8	6,914.0	6,880.0	15.0	20.3	76.99	405.8	501.1	526.1	493.8	32.36	16.257	
7,000.0	6,981.8	7,014.0	6,980.0	15.1	20.3	76.99	405.8	501.1	526.1	493.7	32.48	16.197	
7,100.0	7,081.8	7,114.0	7,080.0	15.1	20.4	76.99	405.8	501.1	526.1	493.5	32.60	16.137	
7,200.0	7,181.8	7,214.0	7,180.0	15.2	20.4	76.99	405.8	501.1	526.1	493.4	32.72	16.078	
7,300.0	7,281.8	7,314.0	7,280.0	15.3	20.5	76.99	405.8	501.1	526.1	493.3	32.85	16.018	
7,400.0	7,381.8	7,414.0	7,380.0	15.4	20.5	76.99	405.8	501.1	526.1	493.2	32.97	15.959	
7,500.0	7,481.8	7,514.0	7,480.0	15.4	20.6	76.99	405.8	501.1	526.1	493.0	33.09	15.901	
7,600.0	7,581.8	7,614.0	7,580.0	15.5	20.6	76.99	405.8	501.1	526.1	492.9	33.21	15.842	
7,700.0	7,681.8	7,714.0	7,680.0	15.6	20.6	76.99	405.8	501.1	526.1	492.8	33.33	15.784	
7,800.0	7,781.8	7,814.0	7,780.0	15.7	20.7	76.99	405.8	501.1	526.1	492.7	33.46	15.726	
7,900.0	7,881.8	7,914.0	7,880.0	15.7	20.7	76.99	405.8	501.1	526.1	492.6	33.58	15.668	
8,000.0	7,981.8	8,014.0	7,980.0	15.8	20.8	76.99	405.8	501.1	526.1	492.4	33.70	15.611	
8,100.0	8,081.8	8,114.0	8,080.0	15.9	20.8	76.99	405.8	501.1	526.1	492.3	33.83	15.554	
8,200.0	8,181.8	8,214.0	8,180.0	15.9	20.9	76.99	405.8	501.1	526.1	492.2	33.95	15.497	
8,300.0	8,281.8	8,314.0	8,280.0	16.0	20.9	76.99	405.8	501.1	526.1	492.1	34.08	15.440	
8,400.0	8,381.8	8,414.0	8,380.0	16.1	21.0	76.99	405.8	501.1	526.1	491.9	34.20	15.384	
8,500.0	8,481.8	8,514.0	8,480.0	16.2	21.0	76.99	405.8	501.1	526.1	491.8	34.33	15.328	
8,600.0	8,581.8	8,614.0	8,580.0	16.2	21.1	76.99	405.8	501.1	526.1	491.7	34.45	15.272	
8,700.0	8,681.8	8,714.0	8,680.0	16.3	21.1	76.99	405.8	501.1	526.1	491.6	34.58	15.217	
8,800.0	8,781.8	8,814.0	8,780.0	16.4	21.2	76.99	405.8	501.1	526.1	491.4	34.70	15.162	
8,900.0	8,881.8	8,914.0	8,880.0	16.5	21.2	76.99	405.8	501.1	526.1	491.3	34.83	15.107	
9,000.0	8,981.8	9,014.0	8,980.0	16.5	21.3	76.99	405.8	501.1	526.1	491.2	34.95	15.052	
9,100.0	9,081.8	9,114.0	9,080.0	16.6	21.3	76.99	405.8	501.1	526.1	491.1	35.08	14.998	
9,200.0	9,181.8	9,214.0	9,180.0	16.7	21.4	76.99	405.8	501.1	526.1	490.9	35.21	14.943	
9,300.0	9,281.8	9,314.0	9,280.0	16.8	21.4	76.99	405.8	501.1	526.1	490.8	35.34	14.890	
9,400.0	9,381.8	9,414.0	9,380.0	16.8	21.5	76.99	405.8	501.1	526.1	490.7	35.46	14.836	
9,500.0	9,481.8	9,514.0	9,480.0	16.9	21.5	76.99	405.8	501.1	526.1	490.5	35.59	14.783	
9,600.0	9,581.8	9,614.0	9,580.0	17.0	21.6	76.99	405.8	501.1	526.1	490.4	35.72	14.730	
9,700.0	9,681.8	9,714.0	9,680.0	17.1	21.6	76.99	405.8	501.1	526.1	490.3	35.85	14.677	
9,800.0	9,781.8	9,814.0	9,780.0	17.1	21.7	76.99	405.8	501.1	526.1	490.2	35.98	14.624	
9,900.0	9,881.8	9,914.0	9,880.0	17.2	21.7	76.99	405.8	501.1	526.1	490.0	36.11	14.572	
10,000.0	9,981.8	10,014.0	9,980.0	17.3	21.8	76.99	405.8	501.1	526.1	489.9	36.24	14.520	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	10,081.8	10,114.0	10,080.0	17.3	21.8	76.99	405.8	501.1	526.1	489.8	36.36	14.468
10,200.0	10,181.8	10,214.0	10,180.0	17.4	21.9	76.99	405.8	501.1	526.1	489.6	36.49	14.417
10,300.0	10,281.8	10,314.0	10,280.0	17.5	21.9	76.99	405.8	501.1	526.1	489.5	36.62	14.366
10,400.0	10,381.8	10,414.0	10,380.0	17.6	22.0	76.99	405.8	501.1	526.1	489.4	36.75	14.315
10,500.0	10,481.8	10,514.0	10,480.0	17.6	22.0	76.99	405.8	501.1	526.1	489.3	36.89	14.264
10,600.0	10,581.8	10,614.0	10,580.0	17.7	22.1	76.99	405.8	501.1	526.1	489.1	37.02	14.214
10,700.0	10,681.8	10,714.0	10,680.0	17.8	22.1	76.99	405.8	501.1	526.1	489.0	37.15	14.164
10,800.0	10,781.8	10,814.0	10,780.0	17.9	22.2	76.99	405.8	501.1	526.1	488.9	37.28	14.114
10,900.0	10,881.8	10,914.0	10,880.0	17.9	22.2	76.99	405.8	501.1	526.1	488.7	37.41	14.064
11,000.0	10,981.8	11,014.0	10,980.0	18.0	22.3	76.99	405.8	501.1	526.1	488.6	37.54	14.015
11,100.0	11,081.8	11,114.0	11,080.0	18.1	22.4	76.99	405.8	501.1	526.1	488.5	37.67	13.967
11,110.0	11,091.8	11,124.0	11,090.0	18.1	22.4	76.99	405.8	501.1	526.1	488.5	37.68	13.963
11,200.0	11,181.8	11,205.4	11,171.4	18.2	22.4	76.83	407.3	501.1	526.5	488.7	37.82	13.924
11,300.0	11,281.8	11,286.6	11,251.7	18.3	22.4	75.61	418.9	501.0	530.0	491.9	38.08	13.916
11,325.2	11,307.0	11,306.4	11,271.0	18.3	22.4	75.13	423.5	501.0	531.4	493.3	38.16	13.926
11,350.0	11,331.8	11,325.5	11,289.4	18.3	22.4	-104.88	428.4	501.0	533.3	495.1	38.25	13.944
11,400.0	11,381.6	11,361.7	11,323.8	18.3	22.4	-105.79	439.6	501.0	539.0	500.5	38.47	14.008
11,450.0	11,430.9	11,400.0	11,359.4	18.4	22.4	-107.04	453.8	500.9	547.5	508.8	38.74	14.135
11,500.0	11,479.1	11,422.6	11,379.9	18.5	22.5	-107.36	463.2	500.9	559.3	520.2	39.11	14.302
11,550.0	11,526.1	11,450.0	11,404.3	18.5	22.5	-107.84	475.8	500.9	574.9	535.4	39.47	14.564
11,600.0	11,571.4	11,466.2	11,418.4	18.6	22.5	-107.18	483.7	500.9	594.2	554.3	39.91	14.888
11,650.0	11,614.7	11,481.7	11,431.7	18.7	22.5	-106.06	491.7	500.8	617.4	577.0	40.33	15.307
11,700.0	11,655.7	11,500.0	11,447.1	18.8	22.5	-104.77	501.6	500.8	644.2	603.5	40.68	15.834
11,750.0	11,694.0	11,500.0	11,447.1	18.8	22.5	-101.12	501.6	500.8	674.1	633.0	41.14	16.386
11,800.0	11,729.3	11,500.0	11,447.1	18.9	22.5	-96.81	501.6	500.8	707.0	665.4	41.53	17.022
11,850.0	11,761.5	11,500.0	11,447.1	19.0	22.5	-91.89	501.6	500.8	742.1	700.2	41.85	17.732
11,900.0	11,790.2	11,500.0	11,447.1	19.0	22.5	-86.44	501.6	500.8	778.9	736.8	42.09	18.508
11,950.0	11,815.2	11,500.0	11,447.1	19.1	22.5	-80.61	501.6	500.8	817.0	774.7	42.24	19.340
12,000.0	11,836.3	11,500.0	11,447.1	19.1	22.5	-74.58	501.6	500.8	855.9	813.5	42.33	20.219
12,050.0	11,853.4	11,500.0	11,447.1	19.2	22.5	-68.57	501.6	500.8	895.1	852.8	42.35	21.137
12,100.0	11,866.4	11,500.0	11,447.1	19.2	22.5	-62.76	501.6	500.8	934.5	892.2	42.31	22.088
12,150.0	11,875.1	11,484.3	11,433.9	19.2	22.5	-56.20	493.1	500.8	973.3	931.0	42.36	22.977

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	16.45	199.8	59.0	208.3				
100.0	100.0	98.0	98.0	3.0	3.0	16.45	199.8	59.0	208.3	201.8	6.52	31.948	
200.0	200.0	198.0	198.0	3.2	3.2	16.45	199.8	59.0	208.3	201.5	6.77	30.781	
300.0	300.0	298.0	298.0	3.3	3.3	16.45	199.8	59.0	208.3	201.3	7.01	29.699	
400.0	400.0	398.0	398.0	3.4	3.4	16.45	199.8	59.0	208.3	201.1	7.26	28.702	
500.0	500.0	498.0	498.0	3.5	3.5	16.45	199.8	59.0	208.3	200.8	7.50	27.777	
600.0	600.0	598.0	598.0	3.7	3.7	16.45	199.8	59.0	208.3	200.6	7.74	26.916	
700.0	700.0	698.0	698.0	3.8	3.8	16.45	199.8	59.0	208.3	200.3	7.98	26.113	
800.0	800.0	798.0	798.0	3.9	3.9	16.45	199.8	59.0	208.3	200.1	8.21	25.361	
900.0	900.0	898.0	898.0	4.0	4.0	16.45	199.8	59.0	208.3	199.9	8.45	24.656	
1,000.0	1,000.0	998.0	998.0	4.2	4.2	16.45	199.8	59.0	208.3	199.6	8.68	23.992	
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.3	16.45	199.8	59.0	208.3	199.4	8.92	23.366	
1,200.0	1,200.0	1,198.0	1,198.0	4.4	4.4	16.45	199.8	59.0	208.3	199.2	9.15	22.774	
1,300.0	1,300.0	1,298.0	1,298.0	4.5	4.5	16.45	199.8	59.0	208.3	198.9	9.38	22.215	
1,400.0	1,400.0	1,398.0	1,398.0	4.6	4.6	16.45	199.8	59.0	208.3	198.7	9.61	21.684	
1,500.0	1,500.0	1,498.0	1,498.0	4.8	4.7	16.45	199.8	59.0	208.3	198.5	9.84	21.179	
1,600.0	1,600.0	1,594.3	1,594.3	5.0	4.9	19.13	200.4	60.0	207.5	197.4	10.13	20.487	
1,700.0	1,699.8	1,690.3	1,690.2	5.2	5.0	20.29	202.2	63.1	205.4	194.8	10.54	19.488	
1,800.0	1,799.5	1,786.1	1,785.9	5.5	5.2	22.27	205.1	68.3	201.9	191.0	10.96	18.427	
1,900.0	1,898.7	1,881.6	1,881.0	5.8	5.4	25.13	209.3	75.5	197.6	186.2	11.39	17.342	
2,000.0	1,997.7	1,976.7	1,975.5	6.0	5.6	28.69	214.6	84.7	194.3	182.5	11.77	16.506	
2,058.4	2,055.6	2,032.2	2,030.5	6.2	5.7	30.98	218.3	91.1	193.8	181.8	11.97	16.191 CC, ES	
2,100.0	2,096.8	2,072.1	2,069.9	6.3	5.8	32.74	221.0	96.1	194.0	181.9	12.11	16.018	
2,200.0	2,195.8	2,167.4	2,163.9	6.5	6.1	37.47	227.5	110.5	196.6	184.1	12.52	15.707 SF	
2,300.0	2,294.8	2,261.7	2,256.5	6.8	6.4	42.70	233.6	127.7	202.6	189.7	12.89	15.722	
2,400.0	2,393.8	2,359.4	2,352.0	7.1	6.7	48.07	239.9	147.0	211.4	198.1	13.29	15.911	
2,500.0	2,492.9	2,457.0	2,447.5	7.5	7.0	52.99	246.2	166.3	221.9	208.2	13.73	16.168	
2,600.0	2,591.9	2,554.6	2,543.0	7.8	7.3	57.45	252.5	185.6	234.0	219.8	14.18	16.499	
2,700.0	2,690.9	2,652.3	2,638.5	8.1	7.7	61.46	258.7	204.9	247.3	232.7	14.65	16.883	
2,800.0	2,789.9	2,749.9	2,734.0	8.5	8.1	65.05	265.0	224.2	261.8	246.7	15.13	17.303	
2,900.0	2,889.0	2,847.6	2,829.5	8.8	8.4	68.27	271.3	243.6	277.2	261.5	15.62	17.745	
3,000.0	2,988.0	2,945.2	2,925.0	9.2	8.8	71.15	277.6	262.9	293.3	277.2	16.12	18.197	
3,100.0	3,087.0	3,042.9	3,020.6	9.5	9.2	73.73	283.8	282.2	310.1	293.5	16.63	18.653	
3,200.0	3,186.1	3,140.5	3,116.1	9.9	9.6	76.04	290.1	301.5	327.5	310.4	17.14	19.106	
3,300.0	3,285.1	3,238.2	3,211.6	10.3	10.0	78.12	296.4	320.8	345.4	327.7	17.67	19.551	
3,365.6	3,350.0	3,302.2	3,274.2	10.5	10.3	79.38	300.5	333.4	357.3	339.3	17.99	19.862	
3,400.0	3,384.1	3,335.8	3,307.1	10.6	10.4	80.05	302.7	340.1	363.6	345.5	18.15	20.032	
3,500.0	3,483.3	3,433.6	3,402.7	11.0	10.8	81.72	308.9	359.4	382.5	363.8	18.70	20.456	
3,600.0	3,582.8	3,531.4	3,498.4	11.4	11.3	83.01	315.2	378.8	401.7	382.4	19.25	20.863	
3,700.0	3,682.4	3,629.4	3,594.2	11.7	11.7	83.96	321.5	398.1	421.2	401.4	19.82	21.250	
3,800.0	3,782.1	3,727.3	3,690.0	12.1	12.1	84.62	327.8	417.5	441.0	420.6	20.41	21.613	
3,900.0	3,881.9	3,825.3	3,785.9	12.4	12.5	85.02	334.1	436.9	461.0	440.0	21.00	21.951	
4,000.0	3,981.9	3,923.2	3,881.7	12.7	13.0	85.20	340.4	456.2	481.1	459.5	21.61	22.266	
4,100.0	4,081.8	4,021.2	3,977.5	13.0	13.4	85.18	346.7	475.6	501.3	479.1	22.22	22.559	
4,165.6	4,147.4	4,085.3	4,040.2	13.1	13.7	82.77	350.8	488.3	514.7	492.1	22.62	22.758	
4,200.0	4,181.8	4,119.0	4,073.2	13.1	13.8	82.62	353.0	495.0	521.8	498.9	22.82	22.866	
4,300.0	4,281.8	4,216.8	4,168.8	13.2	14.3	82.22	359.3	514.3	542.2	518.8	23.45	23.123	
4,400.0	4,381.8	4,314.6	4,264.5	13.2	14.7	81.84	365.5	533.6	562.7	538.6	24.08	23.366	
4,500.0	4,481.8	4,412.4	4,360.2	13.3	15.2	81.49	371.8	553.0	583.2	558.5	24.72	23.595	
4,600.0	4,581.8	4,510.2	4,455.9	13.4	15.6	81.17	378.1	572.3	603.7	578.4	25.35	23.812	
4,700.0	4,681.8	4,608.1	4,551.5	13.4	16.0	80.86	384.4	591.7	624.3	598.3	25.99	24.018	
4,800.0	4,781.8	4,705.9	4,647.2	13.5	16.5	80.58	390.7	611.0	644.8	618.2	26.63	24.212	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Tooface (")	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor
4,900.0	4,881.8	4,803.7	4,742.9	13.6	16.9	80.31	397.0	630.3	665.4	638.1	27.27	24.397
5,000.0	4,981.8	4,901.5	4,838.6	13.6	17.4	80.06	403.2	649.7	686.0	658.1	27.92	24.573
5,100.0	5,081.8	4,999.3	4,934.2	13.7	17.8	79.82	409.5	669.0	706.6	678.0	28.56	24.740
5,200.0	5,181.8	5,097.1	5,029.9	13.8	18.3	79.60	415.8	688.4	727.2	698.0	29.21	24.899
5,300.0	5,281.8	5,194.9	5,125.6	13.9	18.7	79.39	422.1	707.7	747.8	718.0	29.85	25.050
5,400.0	5,381.8	5,292.8	5,221.3	13.9	19.2	79.19	428.4	727.1	768.5	738.0	30.50	25.195
5,500.0	5,481.8	5,390.6	5,317.0	14.0	19.6	79.00	434.7	746.4	789.1	758.0	31.15	25.333
5,600.0	5,581.8	5,488.4	5,412.6	14.1	20.1	78.82	441.0	765.7	809.8	778.0	31.80	25.464
5,700.0	5,681.8	5,586.2	5,508.3	14.1	20.5	78.65	447.2	785.1	830.4	798.0	32.45	25.590
5,800.0	5,781.8	5,684.0	5,604.0	14.2	21.0	78.49	453.5	804.4	851.1	818.0	33.10	25.711
5,900.0	5,881.8	5,781.8	5,699.7	14.3	21.4	78.34	459.8	823.8	871.7	838.0	33.75	25.827
6,000.0	5,981.8	5,879.7	5,795.3	14.4	21.9	78.19	466.1	843.1	892.4	858.0	34.41	25.937
6,100.0	6,081.8	6,001.7	5,914.9	14.4	22.5	78.02	473.6	866.3	912.4	877.2	35.19	25.924
6,200.0	6,181.8	6,146.8	6,058.2	14.5	23.1	77.87	480.7	887.9	928.0	891.9	36.07	25.730
6,300.0	6,281.8	6,294.0	6,204.5	14.6	23.7	77.77	485.5	902.8	938.6	901.8	36.81	25.498
6,400.0	6,381.8	6,442.3	6,352.6	14.6	24.3	77.72	488.0	910.5	944.0	906.7	37.35	25.275
6,500.0	6,481.8	6,569.5	6,479.9	14.7	24.5	77.72	488.4	911.7	944.8	907.3	37.54	25.167
6,600.0	6,581.8	6,669.5	6,579.9	14.8	24.5	77.72	488.4	911.7	944.8	907.2	37.64	25.104
6,700.0	6,681.8	6,769.5	6,679.9	14.9	24.5	77.72	488.4	911.7	944.8	907.1	37.74	25.038
6,800.0	6,781.8	6,869.5	6,779.9	14.9	24.6	77.72	488.4	911.7	944.8	907.0	37.83	24.973
6,900.0	6,881.8	6,969.5	6,879.9	15.0	24.6	77.72	488.4	911.7	944.8	906.9	37.93	24.908
7,000.0	6,981.8	7,069.5	6,979.9	15.1	24.6	77.72	488.4	911.7	944.8	906.8	38.03	24.842
7,100.0	7,081.8	7,169.5	7,079.9	15.1	24.7	77.72	488.4	911.7	944.8	906.7	38.13	24.777
7,200.0	7,181.8	7,269.5	7,179.9	15.2	24.7	77.72	488.4	911.7	944.8	906.6	38.23	24.712
7,300.0	7,281.8	7,369.5	7,279.9	15.3	24.8	77.72	488.4	911.7	944.8	906.5	38.33	24.647
7,400.0	7,381.8	7,469.5	7,379.9	15.4	24.8	77.72	488.4	911.7	944.8	906.4	38.44	24.582
7,500.0	7,481.8	7,569.5	7,479.9	15.4	24.8	77.72	488.4	911.7	944.8	906.3	38.54	24.517
7,600.0	7,581.8	7,669.5	7,579.9	15.5	24.9	77.72	488.4	911.7	944.8	906.2	38.64	24.452
7,700.0	7,681.8	7,769.5	7,679.9	15.6	24.9	77.72	488.4	911.7	944.8	906.1	38.74	24.387
7,800.0	7,781.8	7,869.5	7,779.9	15.7	24.9	77.72	488.4	911.7	944.8	906.0	38.85	24.323
7,900.0	7,881.8	7,969.5	7,879.9	15.7	25.0	77.72	488.4	911.7	944.8	905.9	38.95	24.258
8,000.0	7,981.8	8,069.5	7,979.9	15.8	25.0	77.72	488.4	911.7	944.8	905.8	39.05	24.194
8,100.0	8,081.8	8,169.5	8,079.9	15.9	25.1	77.72	488.4	911.7	944.8	905.7	39.16	24.129
8,200.0	8,181.8	8,269.5	8,179.9	15.9	25.1	77.72	488.4	911.7	944.8	905.6	39.26	24.065
8,300.0	8,281.8	8,369.5	8,279.9	16.0	25.1	77.72	488.4	911.7	944.8	905.5	39.37	24.001
8,400.0	8,381.8	8,469.5	8,379.9	16.1	25.2	77.72	488.4	911.7	944.8	905.4	39.47	23.937
8,500.0	8,481.8	8,569.5	8,479.9	16.2	25.2	77.72	488.4	911.7	944.8	905.3	39.58	23.873
8,600.0	8,581.8	8,669.5	8,579.9	16.2	25.2	77.72	488.4	911.7	944.8	905.2	39.68	23.809
8,700.0	8,681.8	8,769.5	8,679.9	16.3	25.3	77.72	488.4	911.7	944.8	905.0	39.79	23.746
8,800.0	8,781.8	8,869.5	8,779.9	16.4	25.3	77.72	488.4	911.7	944.8	904.9	39.90	23.682
8,900.0	8,881.8	8,969.5	8,879.9	16.5	25.4	77.72	488.4	911.7	944.8	904.8	40.00	23.619
9,000.0	8,981.8	9,069.5	8,979.9	16.5	25.4	77.72	488.4	911.7	944.8	904.7	40.11	23.555
9,100.0	9,081.8	9,169.5	9,079.9	16.6	25.4	77.72	488.4	911.7	944.8	904.6	40.22	23.492
9,200.0	9,181.8	9,269.5	9,179.9	16.7	25.5	77.72	488.4	911.7	944.8	904.5	40.33	23.429
9,300.0	9,281.8	9,369.5	9,279.9	16.8	25.5	77.72	488.4	911.7	944.8	904.4	40.44	23.366
9,400.0	9,381.8	9,469.5	9,379.9	16.8	25.6	77.72	488.4	911.7	944.8	904.3	40.55	23.303
9,500.0	9,481.8	9,569.5	9,479.9	16.9	25.6	77.72	488.4	911.7	944.8	904.2	40.65	23.241
9,600.0	9,581.8	9,669.5	9,579.9	17.0	25.6	77.72	488.4	911.7	944.8	904.1	40.76	23.178
9,700.0	9,681.8	9,769.5	9,679.9	17.1	25.7	77.72	488.4	911.7	944.8	904.0	40.87	23.116
9,800.0	9,781.8	9,869.5	9,779.9	17.1	25.7	77.72	488.4	911.7	944.8	903.9	40.98	23.053
9,900.0	9,881.8	9,969.5	9,879.9	17.2	25.8	77.72	488.4	911.7	944.8	903.7	41.10	22.991
10,000.0	9,981.8	10,069.5	9,979.9	17.3	25.8	77.72	488.4	911.7	944.8	903.6	41.21	22.929

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,100.0	10,081.8	10,169.5	10,079.9	17.3	25.8	77.72	488.4	911.7	944.8	903.5	41.32	22.868	
10,200.0	10,181.8	10,269.5	10,179.9	17.4	25.9	77.72	488.4	911.7	944.8	903.4	41.43	22.806	
10,300.0	10,281.8	10,369.5	10,279.9	17.5	25.9	77.72	488.4	911.7	944.8	903.3	41.54	22.745	
10,400.0	10,381.8	10,469.5	10,379.9	17.6	26.0	77.72	488.4	911.7	944.8	903.2	41.65	22.683	
10,500.0	10,481.8	10,569.5	10,479.9	17.6	26.0	77.72	488.4	911.7	944.8	903.1	41.77	22.622	
10,600.0	10,581.8	10,669.5	10,579.9	17.7	26.1	77.72	488.4	911.7	944.8	903.0	41.88	22.561	
10,700.0	10,681.8	10,769.5	10,679.9	17.8	26.1	77.72	488.4	911.7	944.8	902.8	41.99	22.500	
10,800.0	10,781.8	10,869.5	10,779.9	17.9	26.1	77.72	488.4	911.7	944.8	902.7	42.11	22.439	
10,900.0	10,881.8	10,969.5	10,879.9	17.9	26.2	77.72	488.4	911.7	944.8	902.6	42.22	22.379	
11,000.0	10,981.8	11,069.5	10,979.9	18.0	26.2	77.72	488.4	911.7	944.8	902.5	42.33	22.318	
11,100.0	11,081.8	11,169.5	11,079.9	18.1	26.3	77.72	488.4	911.7	944.8	902.4	42.45	22.258	
11,200.0	11,181.8	11,269.5	11,179.9	18.2	26.3	77.72	488.4	911.7	944.8	902.3	42.56	22.198	
11,300.0	11,281.8	11,369.5	11,279.9	18.3	26.4	77.72	488.4	911.7	944.8	902.2	42.68	22.139	
11,325.2	11,307.0	11,394.7	11,305.1	18.3	26.4	77.72	488.4	911.7	944.8	902.1	42.70	22.130	
11,350.0	11,331.8	11,413.4	11,323.7	18.3	26.4	-101.93	488.6	911.7	945.0	902.3	42.73	22.114	
11,400.0	11,381.6	11,450.0	11,360.2	18.3	26.4	-102.10	490.9	911.7	946.6	903.8	42.84	22.094	
11,450.0	11,430.9	11,484.7	11,394.6	18.4	26.4	-102.38	495.3	911.6	949.9	906.9	42.97	22.105	
11,500.0	11,479.1	11,516.8	11,426.2	18.5	26.4	-102.68	501.1	911.6	955.1	912.0	43.13	22.145	
11,550.0	11,526.1	11,550.0	11,458.5	18.5	26.4	-103.05	509.0	911.6	962.5	919.2	43.29	22.232	
11,600.0	11,571.4	11,570.6	11,478.2	18.6	26.4	-102.90	514.8	911.6	972.1	928.6	43.51	22.345	
11,650.0	11,614.7	11,600.0	11,506.0	18.7	26.4	-102.98	524.4	911.6	984.4	940.8	43.68	22.538	
11,700.0	11,655.7	11,600.0	11,506.0	18.8	26.4	-101.45	524.4	911.6	999.4	955.4	43.97	22.729	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	24.06	199.5	89.1	218.5					
100.0	100.0	98.1	98.1	3.0	3.0	24.06	199.5	89.1	218.5	212.0	6.52	33.510		
200.0	200.0	198.1	198.1	3.2	3.2	24.06	199.5	89.1	218.5	211.7	6.77	32.289		
300.0	300.0	298.1	298.1	3.3	3.3	24.06	199.5	89.1	218.5	211.5	7.01	31.161		
400.0	400.0	398.1	398.1	3.4	3.4	24.06	199.5	89.1	218.5	211.2	7.25	30.122		
500.0	500.0	498.1	498.1	3.5	3.5	24.06	199.5	89.1	218.5	211.0	7.49	29.160		
600.0	600.0	598.1	598.1	3.7	3.7	24.06	199.5	89.1	218.5	210.8	7.73	28.266		
700.0	700.0	698.1	698.1	3.8	3.8	24.06	199.5	89.1	218.5	210.5	7.96	27.433		
800.0	800.0	798.1	798.1	3.9	3.9	24.06	199.5	89.1	218.5	210.3	8.20	26.653		
900.0	900.0	898.1	898.1	4.0	4.0	24.06	199.5	89.1	218.5	210.1	8.43	25.922		
1,000.0	1,000.0	998.1	998.1	4.2	4.2	24.06	199.5	89.1	218.5	209.8	8.66	25.235		
1,100.0	1,100.0	1,098.1	1,098.1	4.3	4.3	24.06	199.5	89.1	218.5	209.6	8.89	24.587		
1,200.0	1,200.0	1,198.1	1,198.1	4.4	4.4	24.06	199.5	89.1	218.5	209.4	9.11	23.975		
1,300.0	1,300.0	1,298.1	1,298.1	4.5	4.5	24.06	199.5	89.1	218.5	209.2	9.34	23.395		
1,400.0	1,400.0	1,398.1	1,398.1	4.6	4.6	24.06	199.5	89.1	218.5	208.9	9.56	22.846		
1,500.0	1,500.0	1,498.1	1,498.1	4.8	4.7	24.06	199.5	89.1	218.5	208.7	9.79	22.325		
1,600.0	1,600.0	1,593.7	1,593.7	5.0	4.9	26.74	200.1	90.1	217.9	207.8	10.07	21.632		
1,700.0	1,699.8	1,689.2	1,689.1	5.2	5.0	27.89	201.9	93.1	216.3	205.8	10.47	20.653		
1,800.0	1,799.5	1,784.4	1,784.1	5.5	5.2	29.85	204.8	98.2	213.8	202.9	10.88	19.647		
1,900.0	1,898.7	1,879.5	1,878.8	5.8	5.3	32.70	208.8	105.5	210.8	199.6	11.23	18.770		
2,000.0	1,997.7	1,974.2	1,973.0	6.0	5.5	36.46	213.2	115.7	209.0	197.4	11.60	18.022		
2,008.1	2,005.7	1,981.9	1,980.5	6.0	5.6	36.79	213.5	116.7	209.0	197.4	11.63	17.972 CC, ES		
2,100.0	2,096.8	2,068.3	2,065.9	6.3	5.8	40.85	217.7	129.0	210.5	198.5	11.99	17.547		
2,200.0	2,195.8	2,161.3	2,157.4	6.5	6.1	45.65	222.4	145.0	215.7	203.3	12.40	17.392 SF		
2,300.0	2,294.8	2,253.2	2,247.3	6.8	6.5	50.61	227.2	163.8	225.1	212.3	12.81	17.566		
2,400.0	2,393.8	2,347.0	2,338.3	7.1	6.8	55.59	232.3	185.5	238.6	225.4	13.23	18.032		
2,500.0	2,492.9	2,443.7	2,432.2	7.5	7.1	60.21	237.5	208.3	254.3	240.6	13.67	18.597		
2,600.0	2,591.9	2,540.4	2,526.0	7.8	7.5	64.29	242.8	231.1	271.4	257.3	14.13	19.206		
2,700.0	2,690.9	2,637.1	2,619.8	8.1	7.8	67.89	248.0	253.9	289.8	275.2	14.61	19.834		
2,800.0	2,789.9	2,733.8	2,713.7	8.5	8.2	71.06	253.3	276.7	309.2	294.1	15.11	20.467		
2,900.0	2,889.0	2,830.5	2,807.5	8.8	8.6	73.86	258.6	299.5	329.4	313.8	15.62	21.093		
3,000.0	2,988.0	2,927.2	2,901.4	9.2	9.0	76.34	263.8	322.3	350.3	334.1	16.14	21.704		
3,100.0	3,087.0	3,023.9	2,995.2	9.5	9.4	78.54	269.1	345.1	371.7	355.0	16.67	22.297		
3,200.0	3,186.1	3,120.6	3,089.0	9.9	9.8	80.51	274.4	367.9	393.6	376.4	17.21	22.866		
3,300.0	3,285.1	3,217.3	3,182.9	10.3	10.2	82.26	279.6	390.7	416.0	398.2	17.77	23.411		
3,365.6	3,350.0	3,280.8	3,244.4	10.5	10.4	83.32	283.1	405.6	430.8	412.7	18.11	23.784		
3,400.0	3,384.1	3,314.1	3,276.7	10.6	10.6	83.91	284.9	413.5	438.6	420.3	18.29	23.985		
3,500.0	3,483.3	3,410.9	3,370.7	11.0	11.0	85.39	290.2	436.3	461.7	442.8	18.86	24.479		
3,600.0	3,582.8	3,507.8	3,464.7	11.4	11.4	86.55	295.4	459.2	485.1	465.6	19.45	24.944		
3,700.0	3,682.4	3,604.9	3,558.9	11.7	11.8	87.42	300.7	482.0	508.6	488.6	20.04	25.379		
3,800.0	3,782.1	3,702.0	3,653.1	12.1	12.3	88.05	306.0	504.9	532.3	511.6	20.65	25.782		
3,900.0	3,881.9	3,799.1	3,747.4	12.4	12.7	88.46	311.3	527.8	556.0	534.8	21.26	26.154		
4,000.0	3,981.9	3,896.2	3,841.6	12.7	13.2	88.68	316.6	550.7	579.8	557.9	21.88	26.498		
4,100.0	4,081.8	3,993.3	3,935.8	13.0	13.6	88.73	321.8	573.6	603.6	581.1	22.51	26.814		
4,165.6	4,147.4	4,057.0	3,997.6	13.1	13.9	86.38	325.3	588.6	619.3	596.4	22.91	27.029		
4,200.0	4,181.8	4,090.4	4,030.0	13.1	14.0	86.26	327.1	596.5	627.5	604.4	23.12	27.145		
4,300.0	4,281.8	4,187.4	4,124.1	13.2	14.5	85.92	332.4	619.4	651.4	627.6	23.76	27.417		
4,400.0	4,381.8	4,284.4	4,218.3	13.2	14.9	85.60	337.7	642.2	675.3	650.9	24.41	27.672		
4,500.0	4,481.8	4,381.5	4,312.4	13.3	15.4	85.30	343.0	665.1	699.3	674.2	25.05	27.911		
4,600.0	4,581.8	4,478.5	4,406.6	13.4	15.8	85.03	348.3	688.0	723.2	697.5	25.70	28.137		
4,700.0	4,681.8	4,575.5	4,500.7	13.4	16.3	84.77	353.5	710.8	747.2	720.9	26.36	28.349		
4,800.0	4,781.8	4,672.6	4,594.9	13.5	16.7	84.52	358.8	733.7	771.2	744.2	27.01	28.550		

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.0	4,881.8	4,769.6	4,689.0	13.6	17.2	84.30	364.1	756.6	795.2	767.5	27.67	28.739	
5,000.0	4,981.8	4,866.6	4,783.2	13.6	17.6	84.08	369.4	779.5	819.2	790.9	28.33	28.919	
5,100.0	5,081.8	4,963.7	4,877.3	13.7	18.1	83.88	374.7	802.3	843.2	814.3	28.99	29.088	
5,200.0	5,181.8	5,060.7	4,971.5	13.8	18.6	83.69	379.9	825.2	867.3	837.6	29.65	29.249	
5,300.0	5,281.8	5,157.7	5,065.6	13.9	19.0	83.51	385.2	848.1	891.3	861.0	30.32	29.402	
5,400.0	5,381.8	5,254.7	5,159.7	13.9	19.5	83.34	390.5	870.9	915.4	884.4	30.98	29.547	
5,500.0	5,481.8	5,351.8	5,253.9	14.0	19.9	83.17	395.8	893.8	939.4	907.8	31.65	29.685	
5,600.0	5,581.8	5,448.8	5,348.0	14.1	20.4	83.02	401.1	916.7	963.5	931.2	32.31	29.816	
5,700.0	5,681.8	5,545.8	5,442.2	14.1	20.9	82.87	406.3	939.6	987.6	954.6	32.98	29.942	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11509-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.0	0.0	0.0	0.0	3.0	3.0	30.85	199.3	119.0	232.2				
100.0	100.0	98.1	98.1	3.0	3.0	30.85	199.3	119.0	232.2	225.7	6.52	35.611	
200.0	200.0	198.1	198.1	3.2	3.2	30.85	199.3	119.0	232.2	225.4	6.77	34.318	
300.0	300.0	298.1	298.1	3.3	3.3	30.85	199.3	119.0	232.2	225.2	7.01	33.126	
400.0	400.0	398.1	398.1	3.4	3.4	30.85	199.3	119.0	232.2	224.9	7.25	32.030	
500.0	500.0	498.1	498.1	3.5	3.5	30.85	199.3	119.0	232.2	224.7	7.49	31.018	
600.0	600.0	598.1	598.1	3.7	3.7	30.85	199.3	119.0	232.2	224.5	7.72	30.079	
700.0	700.0	698.1	698.1	3.8	3.8	30.85	199.3	119.0	232.2	224.2	7.95	29.204	
800.0	800.0	798.1	798.1	3.9	3.9	30.85	199.3	119.0	232.2	224.0	8.18	28.386	
900.0	900.0	898.1	898.1	4.0	4.0	30.85	199.3	119.0	232.2	223.8	8.41	27.620	
1,000.0	1,000.0	998.1	998.1	4.2	4.2	30.85	199.3	119.0	232.2	223.6	8.63	26.900 CC, ES	
1,100.0	1,100.0	1,093.2	1,093.2	4.3	4.3	31.13	199.6	120.5	233.2	224.3	8.89	26.241	
1,200.0	1,200.0	1,188.0	1,187.9	4.4	4.4	32.00	200.3	125.1	236.4	227.3	9.14	25.871	
1,300.0	1,300.0	1,282.4	1,282.0	4.5	4.6	33.38	201.5	132.8	241.9	232.5	9.38	25.775 SF	
1,400.0	1,400.0	1,376.2	1,375.2	4.6	4.8	35.21	203.2	143.4	249.8	240.1	9.63	25.940	
1,500.0	1,500.0	1,469.2	1,467.1	4.8	5.0	37.39	205.3	156.9	260.3	250.4	9.87	26.362	
1,600.0	1,600.0	1,561.3	1,557.7	5.0	5.2	42.16	207.9	173.2	272.3	262.2	10.14	26.848	
1,700.0	1,699.8	1,652.1	1,646.5	5.2	5.4	45.17	210.9	192.0	285.0	274.5	10.50	27.135	
1,800.0	1,799.5	1,741.6	1,733.3	5.5	5.6	48.60	214.3	213.3	298.9	288.1	10.83	27.602	
1,900.0	1,898.7	1,837.1	1,825.6	5.8	5.8	52.54	218.1	237.7	313.6	302.4	11.18	28.053	
2,000.0	1,997.7	1,933.2	1,918.4	6.0	6.0	56.60	222.0	262.3	328.9	317.3	11.57	28.421	
2,100.0	2,096.8	2,029.2	2,011.2	6.3	6.3	60.31	225.9	286.8	345.8	333.8	12.00	28.815	
2,200.0	2,195.8	2,125.3	2,104.0	6.5	6.6	63.67	229.8	311.4	364.0	351.5	12.45	29.224	
2,300.0	2,294.8	2,221.4	2,196.8	6.8	6.9	66.71	233.7	336.0	383.3	370.4	12.93	29.637	
2,400.0	2,393.8	2,317.4	2,289.6	7.1	7.2	69.47	237.6	360.5	403.7	390.2	13.43	30.047	
2,500.0	2,492.9	2,413.5	2,382.4	7.5	7.6	71.96	241.5	385.1	424.8	410.9	13.95	30.449	
2,600.0	2,591.9	2,509.6	2,475.2	7.8	7.9	74.23	245.4	409.6	446.7	432.2	14.49	30.838	
2,700.0	2,690.9	2,605.7	2,568.0	8.1	8.3	76.28	249.3	434.2	469.2	454.2	15.03	31.212	
2,800.0	2,789.9	2,701.7	2,660.8	8.5	8.7	78.15	253.1	458.8	492.3	476.7	15.59	31.570	
2,900.0	2,889.0	2,797.8	2,753.6	8.8	9.1	79.85	257.0	483.3	515.8	499.6	16.16	31.912	
3,000.0	2,988.0	2,893.9	2,846.4	9.2	9.5	81.41	260.9	507.9	539.7	523.0	16.74	32.236	
3,100.0	3,087.0	2,990.0	2,939.2	9.5	9.9	82.84	264.8	532.4	564.0	546.7	17.33	32.544	
3,200.0	3,186.1	3,086.0	3,032.0	9.9	10.3	84.15	268.7	557.0	588.6	570.6	17.92	32.835	
3,300.0	3,285.1	3,182.1	3,124.8	10.3	10.7	85.36	272.6	581.6	613.4	594.9	18.53	33.111	
3,365.6	3,350.0	3,245.1	3,185.6	10.5	11.0	86.10	275.1	597.7	629.8	610.9	18.90	33.319	
3,400.0	3,384.1	3,278.2	3,217.6	10.6	11.1	86.55	276.5	606.1	638.5	619.4	19.09	33.439	
3,500.0	3,483.3	3,374.4	3,310.5	11.0	11.6	87.71	280.4	630.7	663.9	644.1	19.71	33.683	
3,600.0	3,582.8	3,470.8	3,403.6	11.4	12.0	88.67	284.3	655.3	689.4	669.1	20.33	33.912	
3,700.0	3,682.4	3,567.2	3,496.8	11.7	12.4	89.43	288.2	680.0	715.1	694.1	20.95	34.124	
3,800.0	3,782.1	3,663.8	3,590.0	12.1	12.9	90.02	292.1	704.7	740.8	719.2	21.59	34.318	
3,900.0	3,881.9	3,760.4	3,683.4	12.4	13.3	90.45	296.0	729.4	766.5	744.3	22.22	34.495	
4,000.0	3,981.9	3,857.0	3,776.7	12.7	13.8	90.74	299.9	754.1	792.2	769.3	22.86	34.655	
4,100.0	4,081.8	3,953.7	3,870.0	13.0	14.2	90.91	303.8	778.8	817.9	794.4	23.50	34.800	
4,165.6	4,147.4	4,017.0	3,931.2	13.1	14.5	88.65	306.4	795.0	834.7	810.8	23.91	34.911	
4,200.0	4,181.8	4,050.3	3,963.4	13.1	14.7	88.57	307.7	803.5	843.6	819.4	24.12	34.975	
4,300.0	4,281.8	4,146.9	4,056.7	13.2	15.1	88.34	311.7	828.2	869.2	844.5	24.77	35.092	
4,400.0	4,381.8	4,243.5	4,150.0	13.2	15.6	88.13	315.6	852.9	894.9	869.5	25.42	35.199	
4,500.0	4,481.8	4,340.0	4,243.3	13.3	16.0	87.93	319.5	877.6	920.6	894.5	26.08	35.298	
4,600.0	4,581.8	4,436.6	4,336.6	13.4	16.5	87.74	323.4	902.3	946.3	919.6	26.74	35.389	
4,700.0	4,681.8	4,533.2	4,429.9	13.4	16.9	87.56	327.3	926.9	972.0	944.6	27.40	35.473	
4,800.0	4,781.8	4,629.8	4,523.2	13.5	17.4	87.39	331.2	951.6	997.8	969.7	28.07	35.550	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	3.0	3.0	-89.67	0.2	-29.9	29.9				
100.0	100.0	100.9	100.9	3.0	3.0	-89.67	0.2	-29.9	29.9	23.4	6.52	4.587	
200.0	200.0	200.9	200.9	3.2	3.2	-89.67	0.2	-29.9	29.9	23.1	6.76	4.424	
300.0	300.0	300.9	300.9	3.3	3.3	-89.67	0.2	-29.9	29.9	22.9	6.99	4.277	
400.0	400.0	400.9	400.9	3.4	3.4	-89.67	0.2	-29.9	29.9	22.7	7.22	4.145	
500.0	500.0	500.9	500.9	3.5	3.5	-89.67	0.2	-29.9	29.9	22.5	7.43	4.025	
600.0	600.0	600.9	600.9	3.7	3.7	-89.67	0.2	-29.9	29.9	22.3	7.64	3.914	
700.0	700.0	700.9	700.9	3.8	3.8	-89.67	0.2	-29.9	29.9	22.1	7.84	3.813	
800.0	800.0	800.9	800.9	3.9	3.9	-89.67	0.2	-29.9	29.9	21.9	8.04	3.719	
900.0	900.0	900.9	900.9	4.0	4.0	-89.67	0.2	-29.9	29.9	21.7	8.24	3.632	
1,000.0	1,000.0	1,000.9	1,000.9	4.2	4.2	-89.67	0.2	-29.9	29.9	21.5	8.42	3.551	
1,100.0	1,100.0	1,100.9	1,100.9	4.3	4.3	-89.67	0.2	-29.9	29.9	21.3	8.61	3.475	
1,200.0	1,200.0	1,200.9	1,200.9	4.4	4.4	-89.67	0.2	-29.9	29.9	21.1	8.79	3.404	
1,300.0	1,300.0	1,300.9	1,300.9	4.5	4.5	-89.67	0.2	-29.9	29.9	20.9	8.96	3.337	
1,400.0	1,400.0	1,400.9	1,400.9	4.6	4.6	-89.67	0.2	-29.9	29.9	20.8	9.14	3.274	
1,466.4	1,466.4	1,467.3	1,467.3	4.7	4.7	-89.67	0.2	-29.9	29.9	20.7	9.25	3.234 CC	
1,500.0	1,500.0	1,500.9	1,500.9	4.8	4.8	-89.67	0.2	-29.9	29.9	20.6	9.31	3.214 ES	
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-88.65	1.2	-31.3	31.3	21.7	9.53	3.280	
1,700.0	1,699.8	1,699.0	1,698.9	5.2	5.1	-91.93	4.2	-35.5	35.4	25.5	9.91	3.571	
1,800.0	1,799.5	1,797.8	1,797.2	5.5	5.4	-95.96	9.3	-42.4	42.4	32.1	10.27	4.127	
1,900.0	1,898.7	1,896.6	1,895.4	5.8	5.5	-100.07	16.1	-51.8	52.2	41.7	10.52	4.959	
2,000.0	1,997.7	1,996.0	1,994.0	6.0	5.7	-104.23	23.2	-61.6	62.9	52.0	10.87	5.784	
2,100.0	2,096.8	2,095.3	2,092.6	6.3	6.0	-107.17	30.3	-71.4	73.8	62.6	11.23	6.574	
2,200.0	2,195.8	2,194.7	2,191.2	6.5	6.3	-109.35	37.4	-81.2	84.9	73.3	11.59	7.325	
2,300.0	2,294.8	2,294.0	2,289.8	6.8	6.5	-111.02	44.5	-91.0	96.1	84.1	11.95	8.036	
2,400.0	2,393.8	2,393.3	2,388.4	7.1	6.8	-112.35	51.6	-100.8	107.3	95.0	12.32	8.707	
2,500.0	2,492.9	2,492.7	2,487.0	7.5	7.1	-113.42	58.8	-110.6	118.6	105.9	12.69	9.341	
2,600.0	2,591.9	2,592.0	2,585.6	7.8	7.5	-114.31	65.9	-120.3	129.9	116.8	13.07	9.938	
2,700.0	2,690.9	2,691.4	2,684.2	8.1	7.8	-115.05	73.0	-130.1	141.2	127.8	13.45	10.500	
2,800.0	2,789.9	2,790.7	2,782.8	8.5	8.1	-115.69	80.1	-139.9	152.6	138.7	13.83	11.031	
2,900.0	2,889.0	2,890.0	2,881.4	8.8	8.5	-116.23	87.2	-149.7	163.9	149.7	14.22	11.531	
3,000.0	2,988.0	2,989.4	2,980.0	9.2	8.8	-116.71	94.3	-159.5	175.3	160.7	14.61	12.003	
3,100.0	3,087.0	3,088.7	3,078.6	9.5	9.2	-117.12	101.5	-169.3	186.7	171.7	15.00	12.449	
3,200.0	3,186.1	3,188.1	3,177.2	9.9	9.6	-117.49	108.6	-179.1	198.1	182.7	15.39	12.870	
3,300.0	3,285.1	3,287.4	3,275.8	10.3	9.9	-117.82	115.7	-188.9	209.5	193.8	15.79	13.269	
3,365.6	3,350.0	3,352.5	3,340.5	10.5	10.2	-118.02	120.4	-195.3	217.0	201.0	16.03	13.540	
3,400.0	3,384.1	3,386.8	3,374.4	10.6	10.3	-118.13	122.8	-198.7	220.9	204.8	16.14	13.684	
3,500.0	3,483.3	3,486.2	3,473.1	11.0	10.7	-118.17	129.9	-208.5	231.6	215.1	16.54	14.007	
3,600.0	3,582.8	3,585.7	3,571.9	11.4	11.1	-117.84	137.1	-218.3	241.6	224.6	16.92	14.277	
3,700.0	3,682.4	3,685.2	3,670.6	11.7	11.4	-117.18	144.2	-228.1	250.7	233.4	17.29	14.496	
3,800.0	3,782.1	3,784.7	3,769.4	12.1	11.8	-116.22	151.3	-237.9	259.1	241.4	17.66	14.671	
3,900.0	3,881.9	3,884.3	3,868.2	12.4	12.2	-114.99	158.4	-247.8	266.8	248.8	18.02	14.805	
4,000.0	3,981.9	3,983.7	3,966.9	12.7	12.6	-113.49	165.6	-257.6	274.0	255.6	18.39	14.901	
4,100.0	4,081.8	4,083.1	4,065.6	13.0	13.0	-111.74	172.7	-267.4	280.7	262.0	18.76	14.961	
4,165.6	4,147.4	4,148.2	4,130.2	13.1	13.3	-112.76	177.3	-273.8	285.0	266.0	18.99	15.005	
4,200.0	4,181.8	4,182.4	4,164.1	13.1	13.4	-112.05	179.8	-277.1	287.2	268.1	19.10	15.032	
4,300.0	4,281.8	4,281.6	4,262.6	13.2	13.8	-110.04	186.9	-286.9	293.8	274.3	19.52	15.055	
4,400.0	4,381.8	4,380.9	4,361.2	13.2	14.2	-108.13	194.0	-296.7	300.8	280.9	19.97	15.067	
4,500.0	4,481.8	4,480.2	4,459.7	13.3	14.6	-106.30	201.1	-306.5	308.2	287.7	20.45	15.069	
4,600.0	4,581.8	4,579.4	4,558.2	13.4	15.0	-104.56	208.2	-316.3	315.8	294.8	20.97	15.064	
4,700.0	4,681.8	4,678.7	4,656.7	13.4	15.4	-102.90	215.3	-326.1	323.7	302.2	21.50	15.054	
4,800.0	4,781.8	4,777.9	4,755.2	13.5	15.8	-101.32	222.5	-335.9	331.9	309.8	22.06	15.043	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
4,900.0	4,881.8	4,877.2	4,853.7	13.6	16.2	-99.82	229.6	-345.6	340.3	317.7	22.64	15.030	
5,000.0	4,981.8	4,976.4	4,952.3	13.6	16.6	-98.39	236.7	-355.4	348.9	325.7	23.23	15.018	
5,100.0	5,081.8	5,075.7	5,050.8	13.7	17.0	-97.03	243.8	-365.2	357.8	333.9	23.84	15.008	
5,200.0	5,181.8	5,174.9	5,149.3	13.8	17.4	-95.73	250.9	-375.0	366.8	342.4	24.46	15.000	
5,300.0	5,281.8	5,274.2	5,247.8	13.9	17.8	-94.50	258.0	-384.8	376.0	351.0	25.08	14.994	
5,400.0	5,381.8	5,373.4	5,346.3	13.9	18.2	-93.33	265.1	-394.6	385.4	359.7	25.71	14.991	
5,500.0	5,481.8	5,474.6	5,446.7	14.0	18.6	-92.20	272.3	-404.5	394.9	368.5	26.33	14.999	
5,600.0	5,581.8	5,579.8	5,551.4	14.1	19.0	-91.21	278.9	-413.5	403.3	376.4	26.95	14.967	
5,700.0	5,681.8	5,685.5	5,656.6	14.1	19.4	-90.42	284.4	-421.1	410.4	382.9	27.53	14.905	
5,800.0	5,781.8	5,791.4	5,762.2	14.2	19.8	-89.81	288.7	-427.1	416.1	388.0	28.07	14.821	
5,900.0	5,881.8	5,897.6	5,868.3	14.3	20.1	-89.38	292.0	-431.5	420.2	391.7	28.56	14.715	
6,000.0	5,981.8	6,003.9	5,974.6	14.4	20.5	-89.10	294.0	-434.4	422.9	394.0	28.98	14.594	
6,100.0	6,081.8	6,110.3	6,081.0	14.4	20.7	-88.98	294.9	-435.6	424.1	394.8	29.30	14.473	
6,200.0	6,181.8	6,212.1	6,182.8	14.5	20.8	-88.98	295.0	-435.7	424.2	394.8	29.43	14.415	
6,300.0	6,281.8	6,312.1	6,282.8	14.6	20.8	-88.98	295.0	-435.7	424.2	394.6	29.55	14.353	
6,400.0	6,381.8	6,412.1	6,382.8	14.6	20.9	-88.98	295.0	-435.7	424.2	394.5	29.68	14.291	
6,500.0	6,481.8	6,512.1	6,482.8	14.7	20.9	-88.98	295.0	-435.7	424.2	394.4	29.81	14.229	
6,600.0	6,581.8	6,612.1	6,582.8	14.8	20.9	-88.98	295.0	-435.7	424.2	394.2	29.94	14.168	
6,700.0	6,681.8	6,712.1	6,682.8	14.9	21.0	-88.98	295.0	-435.7	424.2	394.1	30.07	14.107	
6,800.0	6,781.8	6,812.1	6,782.8	14.9	21.0	-88.98	295.0	-435.7	424.2	394.0	30.20	14.046	
6,900.0	6,881.8	6,912.1	6,882.8	15.0	21.1	-88.98	295.0	-435.7	424.2	393.9	30.33	13.986	
7,000.0	6,981.8	7,012.1	6,982.8	15.1	21.1	-88.98	295.0	-435.7	424.2	393.7	30.46	13.926	
7,100.0	7,081.8	7,112.1	7,082.8	15.1	21.2	-88.98	295.0	-435.7	424.2	393.6	30.59	13.867	
7,200.0	7,181.8	7,212.1	7,182.8	15.2	21.2	-88.98	295.0	-435.7	424.2	393.5	30.72	13.808	
7,300.0	7,281.8	7,312.1	7,282.8	15.3	21.3	-88.98	295.0	-435.7	424.2	393.3	30.85	13.749	
7,400.0	7,381.8	7,412.1	7,382.8	15.4	21.3	-88.98	295.0	-435.7	424.2	393.2	30.98	13.691	
7,500.0	7,481.8	7,512.1	7,482.8	15.4	21.4	-88.98	295.0	-435.7	424.2	393.1	31.12	13.633	
7,600.0	7,581.8	7,612.1	7,582.8	15.5	21.4	-88.98	295.0	-435.7	424.2	392.9	31.25	13.575	
7,700.0	7,681.8	7,712.1	7,682.8	15.6	21.4	-88.98	295.0	-435.7	424.2	392.8	31.38	13.518	
7,800.0	7,781.8	7,812.1	7,782.8	15.7	21.5	-88.98	295.0	-435.7	424.2	392.7	31.51	13.461	
7,900.0	7,881.8	7,912.1	7,882.8	15.7	21.5	-88.98	295.0	-435.7	424.2	392.5	31.64	13.404	
8,000.0	7,981.8	8,012.1	7,982.8	15.8	21.6	-88.98	295.0	-435.7	424.2	392.4	31.78	13.348	
8,100.0	8,081.8	8,112.1	8,082.8	15.9	21.6	-88.98	295.0	-435.7	424.2	392.3	31.91	13.292	
8,200.0	8,181.8	8,212.1	8,182.8	15.9	21.7	-88.98	295.0	-435.7	424.2	392.1	32.04	13.237	
8,300.0	8,281.8	8,312.1	8,282.8	16.0	21.7	-88.98	295.0	-435.7	424.2	392.0	32.18	13.182	
8,400.0	8,381.8	8,412.1	8,382.8	16.1	21.8	-88.98	295.0	-435.7	424.2	391.9	32.31	13.127	
8,500.0	8,481.8	8,512.1	8,482.8	16.2	21.8	-88.98	295.0	-435.7	424.2	391.7	32.45	13.073	
8,600.0	8,581.8	8,612.1	8,582.8	16.2	21.9	-88.98	295.0	-435.7	424.2	391.6	32.58	13.019	
8,700.0	8,681.8	8,712.1	8,682.8	16.3	21.9	-88.98	295.0	-435.7	424.2	391.5	32.72	12.965	
8,800.0	8,781.8	8,812.1	8,782.8	16.4	22.0	-88.98	295.0	-435.7	424.2	391.3	32.85	12.912	
8,900.0	8,881.8	8,912.1	8,882.8	16.5	22.0	-88.98	295.0	-435.7	424.2	391.2	32.99	12.859	
9,000.0	8,981.8	9,012.1	8,982.8	16.5	22.1	-88.98	295.0	-435.7	424.2	391.1	33.12	12.806	
9,100.0	9,081.8	9,112.1	9,082.8	16.6	22.1	-88.98	295.0	-435.7	424.2	390.9	33.26	12.754	
9,200.0	9,181.8	9,212.1	9,182.8	16.7	22.2	-88.98	295.0	-435.7	424.2	390.8	33.39	12.702	
9,300.0	9,281.8	9,312.1	9,282.8	16.8	22.2	-88.98	295.0	-435.7	424.2	390.6	33.53	12.650	
9,400.0	9,381.8	9,412.1	9,382.8	16.8	22.3	-88.98	295.0	-435.7	424.2	390.5	33.67	12.599	
9,500.0	9,481.8	9,512.1	9,482.8	16.9	22.3	-88.98	295.0	-435.7	424.2	390.4	33.80	12.548	
9,600.0	9,581.8	9,612.1	9,582.8	17.0	22.4	-88.98	295.0	-435.7	424.2	390.2	33.94	12.498	
9,700.0	9,681.8	9,712.1	9,682.8	17.1	22.4	-88.98	295.0	-435.7	424.2	390.1	34.08	12.447	
9,800.0	9,781.8	9,812.1	9,782.8	17.1	22.5	-88.98	295.0	-435.7	424.2	390.0	34.22	12.397	
9,900.0	9,881.8	9,912.1	9,882.8	17.2	22.5	-88.98	295.0	-435.7	424.2	389.8	34.35	12.348	
10,000.0	9,981.8	10,012.1	9,982.8	17.3	22.6	-88.98	295.0	-435.7	424.2	389.7	34.49	12.298	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside 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	10,081.8	10,112.1	10,082.8	17.3	22.6	-88.98	295.0	-435.7	424.2	389.6	34.63	12.249	
10,200.0	10,181.8	10,212.1	10,182.8	17.4	22.7	-88.98	295.0	-435.7	424.2	389.4	34.77	12.201	
10,300.0	10,281.8	10,312.1	10,282.8	17.5	22.7	-88.98	295.0	-435.7	424.2	389.3	34.90	12.152	
10,400.0	10,381.8	10,412.1	10,382.8	17.6	22.8	-88.98	295.0	-435.7	424.2	389.1	35.04	12.104	
10,500.0	10,481.8	10,512.1	10,482.8	17.6	22.8	-88.98	295.0	-435.7	424.2	389.0	35.18	12.057	
10,600.0	10,581.8	10,612.1	10,582.8	17.7	22.9	-88.98	295.0	-435.7	424.2	388.9	35.32	12.009	
10,700.0	10,681.8	10,712.1	10,682.8	17.8	22.9	-88.98	295.0	-435.7	424.2	388.7	35.46	11.962	
10,800.0	10,781.8	10,812.1	10,782.8	17.9	23.0	-88.98	295.0	-435.7	424.2	388.6	35.60	11.915	
10,900.0	10,881.8	10,912.1	10,882.8	17.9	23.1	-88.98	295.0	-435.7	424.2	388.4	35.74	11.869	
11,000.0	10,981.8	11,012.1	10,982.8	18.0	23.1	-88.98	295.0	-435.7	424.2	388.3	35.88	11.823	
11,100.0	11,081.8	11,112.1	11,082.8	18.1	23.2	-88.98	295.0	-435.7	424.2	388.2	36.02	11.778	
11,200.0	11,181.8	11,212.9	11,183.5	18.2	23.2	-89.29	292.6	-435.6	424.1	388.1	36.08	11.757	
11,257.7	11,239.5	11,270.5	11,240.5	18.2	23.2	-90.37	284.6	-435.6	424.1	388.1	35.97	11.790	
11,300.0	11,281.8	11,311.4	11,280.3	18.3	23.3	-91.61	275.4	-435.5	424.2	388.3	35.83	11.838	
11,325.2	11,307.0	11,335.0	11,303.0	18.3	23.3	-92.50	268.9	-435.5	424.4	388.7	35.72	11.882	
11,350.0	11,331.8	11,357.9	11,324.7	18.3	23.3	86.92	261.6	-435.4	424.7	389.1	35.60	11.931	
11,400.0	11,381.6	11,403.3	11,366.8	18.3	23.3	85.04	244.7	-435.3	425.8	390.4	35.40	12.028	
11,450.0	11,430.9	11,447.7	11,406.6	18.4	23.3	83.21	224.9	-435.2	427.3	392.1	35.25	12.122	
11,500.0	11,479.1	11,491.3	11,444.0	18.5	23.4	81.44	202.6	-435.1	429.2	394.0	35.16	12.207	
11,550.0	11,526.1	11,534.1	11,479.0	18.5	23.4	79.75	178.0	-434.9	431.4	396.3	35.14	12.277	
11,600.0	11,571.4	11,576.2	11,511.6	18.6	23.4	78.14	151.2	-434.7	433.9	398.7	35.19	12.328	
11,650.0	11,614.7	11,617.8	11,541.7	18.7	23.4	76.63	122.6	-434.5	436.5	401.2	35.32	12.359	
11,700.0	11,655.7	11,658.7	11,569.2	18.8	23.5	75.22	92.3	-434.3	439.2	403.7	35.52	12.367	
11,750.0	11,694.0	11,700.0	11,594.7	18.8	23.5	73.90	59.9	-434.1	442.0	406.2	35.76	12.359	
11,800.0	11,729.3	11,739.3	11,616.8	18.9	23.5	72.72	27.4	-433.9	444.7	408.6	36.11	12.317	
11,850.0	11,761.5	11,779.0	11,636.8	19.0	23.6	71.64	-6.9	-433.7	447.4	410.9	36.48	12.263	
11,900.0	11,790.2	11,818.3	11,654.2	19.0	23.6	70.68	-42.1	-433.5	449.9	413.0	36.89	12.193	
11,950.0	11,815.2	11,857.4	11,669.1	19.1	23.6	69.84	-78.3	-433.2	452.1	414.8	37.33	12.111	
12,000.0	11,836.3	11,900.0	11,682.4	19.1	23.7	69.08	-118.7	-433.0	454.2	416.5	37.69	12.050	
12,050.0	11,853.4	11,934.9	11,691.1	19.2	23.7	68.54	-152.5	-432.7	455.9	417.6	38.23	11.923	
12,100.0	11,866.4	11,973.4	11,698.3	19.2	23.7	68.07	-190.3	-432.5	457.2	418.6	38.68	11.823	
12,150.0	11,875.1	12,011.8	11,702.8	19.2	23.8	67.74	-228.4	-432.2	458.3	419.2	39.10	11.721	
12,200.0	11,879.4	12,050.0	11,704.9	19.3	23.8	67.52	-266.6	-432.0	458.9	419.4	39.50	11.619	
12,225.2	11,880.0	12,071.8	11,705.0	19.3	23.8	67.47	-288.3	-431.9	459.1	419.5	39.64	11.583	
12,300.0	11,880.0	12,146.6	11,705.0	19.3	23.9	67.47	-363.1	-431.4	459.1	419.2	39.86	11.517	
12,400.0	11,880.0	12,246.6	11,705.0	19.3	24.0	67.47	-463.1	-430.7	459.1	418.9	40.22	11.415	
12,500.0	11,880.0	12,346.6	11,705.0	19.3	24.2	67.47	-563.1	-430.1	459.1	418.5	40.63	11.299	
12,600.0	11,880.0	12,446.6	11,705.0	19.3	24.3	67.47	-663.1	-429.4	459.1	418.0	41.09	11.172	
12,700.0	11,880.0	12,546.6	11,705.0	19.4	24.5	67.47	-763.1	-428.8	459.1	417.5	41.61	11.034	
12,800.0	11,880.0	12,646.6	11,705.0	19.4	24.7	67.47	-863.1	-428.1	459.1	416.9	42.17	10.886	
12,900.0	11,880.0	12,746.6	11,705.0	19.4	24.9	67.47	-963.1	-427.5	459.1	416.3	42.78	10.731	
13,000.0	11,880.0	12,846.6	11,705.0	19.5	25.1	67.47	-1,063.1	-426.8	459.1	415.7	43.43	10.570	
13,100.0	11,880.0	12,946.6	11,705.0	19.5	25.3	67.47	-1,163.1	-426.1	459.1	415.0	44.13	10.403	
13,200.0	11,880.0	13,046.6	11,705.0	19.5	25.6	67.47	-1,263.1	-425.5	459.1	414.2	44.87	10.232	
13,300.0	11,880.0	13,146.6	11,705.0	19.6	25.9	67.47	-1,363.1	-424.8	459.1	413.4	45.64	10.058	
13,400.0	11,880.0	13,246.6	11,705.0	19.7	26.2	67.47	-1,463.1	-424.2	459.1	412.6	46.45	9.883	
13,500.0	11,880.0	13,346.6	11,705.0	20.1	26.5	67.47	-1,563.1	-423.5	459.1	411.8	47.30	9.706	
13,600.0	11,880.0	13,446.6	11,705.0	20.6	26.8	67.47	-1,663.1	-422.9	459.1	410.9	48.18	9.528	
13,700.0	11,880.0	13,546.6	11,705.0	21.1	27.1	67.47	-1,763.1	-422.2	459.1	410.0	49.09	9.352	
13,800.0	11,880.0	13,646.6	11,705.0	21.7	27.5	67.47	-1,863.1	-421.6	459.1	409.0	50.03	9.176	
13,900.0	11,880.0	13,746.6	11,705.0	22.2	27.9	67.47	-1,963.1	-420.9	459.1	408.1	51.00	9.002	
14,000.0	11,880.0	13,846.6	11,705.0	22.8	28.3	67.47	-2,063.1	-420.3	459.1	407.1	51.99	8.829	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	11,880.0	13,946.6	11,705.0	23.4	28.7	67.47	-2,163.1	-419.6	459.1	406.1	53.01	8.660	
14,200.0	11,880.0	14,046.6	11,705.0	24.0	29.2	67.47	-2,263.1	-419.0	459.1	405.0	54.05	8.493	
14,300.0	11,880.0	14,146.6	11,705.0	24.6	29.6	67.47	-2,363.1	-418.3	459.1	404.0	55.12	8.329	
14,400.0	11,880.0	14,246.6	11,705.0	25.2	30.1	67.47	-2,463.1	-417.7	459.1	402.9	56.20	8.168	
14,500.0	11,880.0	14,346.6	11,705.0	25.8	30.5	67.47	-2,563.1	-417.0	459.1	401.8	57.31	8.011	
14,600.0	11,880.0	14,446.6	11,705.0	26.4	31.0	67.47	-2,663.1	-416.4	459.1	400.6	58.43	7.857	
14,700.0	11,880.0	14,546.6	11,705.0	27.1	31.5	67.47	-2,763.1	-415.7	459.1	399.5	59.57	7.706	
14,800.0	11,880.0	14,646.6	11,705.0	27.7	32.1	67.47	-2,863.1	-415.1	459.1	398.3	60.73	7.560	
14,900.0	11,880.0	14,746.6	11,705.0	28.4	32.6	67.47	-2,963.1	-414.4	459.1	397.2	61.90	7.417	
15,000.0	11,880.0	14,846.6	11,705.0	29.0	33.1	67.47	-3,063.1	-413.8	459.1	396.0	63.09	7.277	
15,100.0	11,880.0	14,946.6	11,705.0	29.7	33.7	67.47	-3,163.1	-413.1	459.1	394.8	64.29	7.141	
15,200.0	11,880.0	15,046.6	11,705.0	30.3	34.2	67.47	-3,263.1	-412.5	459.1	393.6	65.50	7.009	
15,300.0	11,880.0	15,146.6	11,705.0	31.0	34.8	67.47	-3,363.1	-411.8	459.1	392.3	66.72	6.880	
15,400.0	11,880.0	15,246.6	11,705.0	31.7	35.4	67.47	-3,463.1	-411.2	459.1	391.1	67.96	6.755	
15,500.0	11,880.0	15,346.6	11,705.0	32.3	36.0	67.47	-3,563.1	-410.5	459.1	389.9	69.21	6.633	
15,600.0	11,880.0	15,446.6	11,705.0	33.0	36.5	67.47	-3,663.1	-409.9	459.1	388.6	70.47	6.515	
15,700.0	11,880.0	15,546.6	11,705.0	33.7	37.1	67.47	-3,763.1	-409.2	459.1	387.3	71.74	6.399	
15,800.0	11,880.0	15,646.6	11,705.0	34.4	37.8	67.47	-3,863.1	-408.5	459.1	386.1	73.01	6.288	
15,900.0	11,880.0	15,746.6	11,705.0	35.1	38.4	67.47	-3,963.1	-407.9	459.1	384.8	74.30	6.179	
16,000.0	11,880.0	15,846.6	11,705.0	35.8	39.0	67.47	-4,063.1	-407.2	459.1	383.5	75.59	6.073	
16,100.0	11,880.0	15,946.6	11,705.0	36.5	39.6	67.47	-4,163.1	-406.6	459.1	382.2	76.90	5.970	
16,200.0	11,880.0	16,046.6	11,705.0	37.2	40.2	67.47	-4,263.1	-405.9	459.1	380.9	78.21	5.870	
16,300.0	11,880.0	16,146.6	11,705.0	37.9	40.9	67.47	-4,363.0	-405.3	459.1	379.5	79.52	5.773	
16,400.0	11,880.0	16,246.6	11,705.0	38.6	41.5	67.47	-4,463.0	-404.6	459.1	378.2	80.85	5.678	
16,500.0	11,880.0	16,346.6	11,705.0	39.3	42.2	67.47	-4,563.0	-404.0	459.1	376.9	82.18	5.586	
16,600.0	11,880.0	16,446.6	11,705.0	40.0	42.8	67.47	-4,663.0	-403.3	459.1	375.5	83.52	5.497	
16,700.0	11,880.0	16,546.6	11,705.0	40.7	43.5	67.47	-4,763.0	-402.7	459.1	374.2	84.86	5.410	
16,800.0	11,880.0	16,646.6	11,705.0	41.4	44.1	67.47	-4,863.0	-402.0	459.1	372.9	86.21	5.325	
16,900.0	11,880.0	16,746.6	11,705.0	42.1	44.8	67.47	-4,963.0	-401.4	459.1	371.5	87.56	5.243	
17,000.0	11,880.0	16,846.6	11,705.0	42.8	45.4	67.47	-5,063.0	-400.7	459.1	370.1	88.92	5.163	
17,100.0	11,880.0	16,946.6	11,705.0	43.5	46.1	67.47	-5,163.0	-400.1	459.1	368.8	90.28	5.085	
17,200.0	11,880.0	17,046.6	11,705.0	44.3	46.8	67.47	-5,263.0	-399.4	459.1	367.4	91.65	5.009	
17,300.0	11,880.0	17,146.6	11,705.0	45.0	47.5	67.47	-5,363.0	-398.8	459.1	366.0	93.03	4.935	
17,400.0	11,880.0	17,246.6	11,705.0	45.7	48.1	67.47	-5,463.0	-398.1	459.1	364.7	94.40	4.863	
17,500.0	11,880.0	17,346.6	11,705.0	46.4	48.8	67.47	-5,563.0	-397.5	459.1	363.3	95.78	4.793	
17,600.0	11,880.0	17,446.6	11,705.0	47.1	49.5	67.47	-5,663.0	-396.8	459.1	361.9	97.17	4.724	
17,700.0	11,880.0	17,546.6	11,705.0	47.9	50.2	67.47	-5,763.0	-396.2	459.1	360.5	98.56	4.658	
17,800.0	11,880.0	17,646.6	11,705.0	48.6	50.9	67.47	-5,863.0	-395.5	459.1	359.1	99.95	4.593	
17,900.0	11,880.0	17,746.6	11,705.0	49.3	51.6	67.47	-5,963.0	-394.9	459.1	357.7	101.35	4.530	
18,000.0	11,880.0	17,846.6	11,705.0	50.0	52.3	67.47	-6,063.0	-394.2	459.1	356.3	102.75	4.468	
18,100.0	11,880.0	17,946.6	11,705.0	50.8	53.0	67.47	-6,163.0	-393.6	459.1	354.9	104.15	4.408	
18,200.0	11,880.0	18,046.6	11,705.0	51.5	53.7	67.47	-6,263.0	-392.9	459.1	353.5	105.55	4.349	
18,300.0	11,880.0	18,146.6	11,705.0	52.2	54.4	67.47	-6,363.0	-392.3	459.1	352.1	106.96	4.292	
18,400.0	11,880.0	18,246.6	11,705.0	53.0	55.1	67.47	-6,463.0	-391.6	459.1	350.7	108.37	4.236	
18,500.0	11,880.0	18,346.6	11,705.0	53.7	55.8	67.47	-6,563.0	-390.9	459.1	349.3	109.79	4.181	
18,600.0	11,880.0	18,446.6	11,705.0	54.4	56.5	67.47	-6,663.0	-390.3	459.1	347.9	111.20	4.128	
18,700.0	11,880.0	18,546.6	11,705.0	55.2	57.2	67.47	-6,763.0	-389.6	459.1	346.4	112.62	4.076	
18,800.0	11,880.0	18,646.6	11,705.0	55.9	57.9	67.47	-6,863.0	-389.0	459.1	345.0	114.04	4.025	
18,900.0	11,880.0	18,746.6	11,705.0	56.6	58.6	67.47	-6,963.0	-388.3	459.1	343.6	115.47	3.976	
19,000.0	11,880.0	18,846.6	11,705.0	57.4	59.3	67.47	-7,063.0	-387.7	459.1	342.2	116.89	3.927	
19,100.0	11,880.0	18,946.6	11,705.0	58.1	60.0	67.47	-7,163.0	-387.0	459.1	340.7	118.32	3.880	
19,200.0	11,880.0	19,046.6	11,705.0	58.9	60.7	67.47	-7,263.0	-386.4	459.1	339.3	119.75	3.833	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,300.0	11,880.0	19,146.6	11,705.0	59.6	61.4	67.47	-7,363.0	-385.7	459.1	337.9			
19,400.0	11,880.0	19,246.6	11,705.0	60.3	62.2	67.47	-7,463.0	-385.1	459.1	336.4			
19,500.0	11,880.0	19,346.6	11,705.0	61.1	62.9	67.47	-7,563.0	-384.4	459.1	335.0			
19,600.0	11,880.0	19,446.6	11,705.0	61.8	63.6	67.47	-7,663.0	-383.8	459.1	333.6			
19,700.0	11,880.0	19,546.6	11,705.0	62.6	64.3	67.47	-7,763.0	-383.1	459.1	332.1			
19,800.0	11,880.0	19,646.6	11,705.0	63.3	65.0	67.47	-7,863.0	-382.5	459.1	330.7			
19,900.0	11,880.0	19,746.6	11,705.0	64.0	65.7	67.47	-7,963.0	-381.8	459.0	329.2			
20,000.0	11,880.0	19,846.6	11,705.0	64.8	66.5	67.47	-8,063.0	-381.2	459.0	327.8			
20,100.0	11,880.0	19,946.6	11,705.0	65.5	67.2	67.47	-8,163.0	-380.5	459.0	326.3			
20,200.0	11,880.0	20,046.6	11,705.0	66.3	67.9	67.47	-8,263.0	-379.9	459.0	324.9			
20,300.0	11,880.0	20,146.6	11,705.0	67.0	68.6	67.47	-8,363.0	-379.2	459.0	323.5			
20,400.0	11,880.0	20,246.6	11,705.0	67.8	69.4	67.47	-8,463.0	-378.6	459.0	322.0			
20,500.0	11,880.0	20,346.6	11,705.0	68.5	70.1	67.47	-8,563.0	-377.9	459.0	320.5			
20,600.0	11,880.0	20,446.6	11,705.0	69.3	70.8	67.47	-8,663.0	-377.3	459.0	319.1			
20,700.0	11,880.0	20,546.6	11,705.0	70.0	71.5	67.47	-8,763.0	-376.6	459.0	317.6			
20,800.0	11,880.0	20,646.6	11,705.0	70.7	72.3	67.47	-8,863.0	-376.0	459.0	316.2			
20,900.0	11,880.0	20,746.6	11,705.0	71.5	73.0	67.47	-8,963.0	-375.3	459.0	314.7			
21,000.0	11,880.0	20,846.6	11,705.0	72.2	73.7	67.47	-9,062.9	-374.7	459.0	313.3			
21,100.0	11,880.0	20,946.6	11,705.0	73.0	74.5	67.47	-9,162.9	-374.0	459.0	311.8			
21,200.0	11,880.0	21,046.6	11,705.0	73.7	75.2	67.47	-9,262.9	-373.3	459.0	310.4			
21,300.0	11,880.0	21,146.6	11,705.0	74.5	75.9	67.47	-9,362.9	-372.7	459.0	308.9			
21,400.0	11,880.0	21,246.6	11,705.0	75.2	76.7	67.47	-9,462.9	-372.0	459.0	307.4			
21,500.0	11,880.0	21,346.6	11,705.0	76.0	77.4	67.47	-9,562.9	-371.4	459.0	306.0			
21,600.0	11,880.0	21,446.6	11,705.0	76.7	78.1	67.47	-9,662.9	-370.7	459.0	304.5			
21,690.0	11,880.0	21,536.6	11,705.0	77.4	78.8	67.47	-9,752.9	-370.2	459.0	303.2			

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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	90.34	-0.2	30.1	30.1				
100.0	100.0	99.7	99.7	3.0	3.0	90.34	-0.2	30.1	30.1	23.6	6.52	4.623	
200.0	200.0	199.7	199.7	3.2	3.2	90.34	-0.2	30.1	30.1	23.4	6.76	4.459	
300.0	300.0	299.7	299.7	3.3	3.3	90.34	-0.2	30.1	30.1	23.1	6.99	4.311	
400.0	400.0	399.7	399.7	3.4	3.4	90.34	-0.2	30.1	30.1	22.9	7.21	4.178	
500.0	500.0	499.7	499.7	3.5	3.5	90.34	-0.2	30.1	30.1	22.7	7.43	4.056	
600.0	600.0	599.7	599.7	3.7	3.7	90.34	-0.2	30.1	30.1	22.5	7.64	3.945	
700.0	700.0	699.7	699.7	3.8	3.8	90.34	-0.2	30.1	30.1	22.3	7.84	3.843	
800.0	800.0	799.7	799.7	3.9	3.9	90.34	-0.2	30.1	30.1	22.1	8.04	3.748	
900.0	900.0	899.7	899.7	4.0	4.0	90.34	-0.2	30.1	30.1	21.9	8.23	3.660	
1,000.0	1,000.0	999.7	999.7	4.2	4.2	90.34	-0.2	30.1	30.1	21.7	8.42	3.578	
1,100.0	1,100.0	1,099.7	1,099.7	4.3	4.3	90.34	-0.2	30.1	30.1	21.5	8.61	3.502	
1,200.0	1,200.0	1,199.7	1,199.7	4.4	4.4	90.34	-0.2	30.1	30.1	21.4	8.79	3.430	
1,300.0	1,300.0	1,299.7	1,299.7	4.5	4.5	90.34	-0.2	30.1	30.1	21.2	8.96	3.363	
1,400.0	1,400.0	1,399.7	1,399.7	4.6	4.6	90.34	-0.2	30.1	30.1	21.0	9.13	3.300	
1,500.0	1,500.0	1,499.7	1,499.7	4.8	4.8	90.34	-0.2	30.1	30.1	20.8	9.30	3.240 CC, ES	
1,600.0	1,600.0	1,599.3	1,599.3	5.0	4.9	93.77	0.9	30.8	30.9	21.4	9.48	3.258	
1,700.0	1,699.8	1,698.9	1,698.8	5.2	5.1	96.82	4.3	32.7	33.1	23.3	9.80	3.379	
1,800.0	1,799.5	1,798.4	1,798.1	5.5	5.3	101.03	9.9	36.0	37.1	26.9	10.13	3.657	
1,900.0	1,898.7	1,897.9	1,897.2	5.8	5.5	105.58	17.8	40.5	42.8	32.4	10.48	4.088	
2,000.0	1,997.7	1,997.3	1,995.9	6.0	5.8	108.10	27.8	46.3	50.0	39.2	10.81	4.623	
2,100.0	2,096.8	2,095.8	2,093.5	6.3	6.0	108.33	39.0	53.5	58.3	47.2	11.07	5.265	
2,200.0	2,195.8	2,193.3	2,190.1	6.5	6.2	109.68	48.0	62.9	69.4	57.9	11.45	6.057	
2,300.0	2,294.8	2,290.6	2,286.5	6.8	6.4	111.71	54.7	74.4	83.4	71.6	11.76	7.090	
2,400.0	2,393.8	2,389.4	2,384.4	7.1	6.7	113.42	60.7	86.8	98.3	86.2	12.13	8.103	
2,500.0	2,492.9	2,488.3	2,482.2	7.5	7.0	114.69	66.7	99.2	113.3	100.8	12.52	9.050	
2,600.0	2,591.9	2,587.1	2,580.1	7.8	7.3	115.65	72.8	111.5	128.3	115.4	12.91	9.939	
2,700.0	2,690.9	2,686.0	2,678.0	8.1	7.6	116.42	78.8	123.9	143.4	130.1	13.31	10.771	
2,800.0	2,789.9	2,784.8	2,775.9	8.5	7.9	117.04	84.8	136.3	158.5	144.8	13.72	11.552	
2,900.0	2,889.0	2,883.6	2,873.8	8.8	8.3	117.55	90.8	148.6	173.6	159.5	14.13	12.282	
3,000.0	2,988.0	2,982.5	2,971.6	9.2	8.6	117.98	96.9	161.0	188.7	174.2	14.55	12.967	
3,100.0	3,087.0	3,081.3	3,069.5	9.5	9.0	118.34	102.9	173.4	203.9	188.9	14.98	13.609	
3,200.0	3,186.1	3,180.2	3,167.4	9.9	9.3	118.66	108.9	185.7	219.0	203.6	15.41	14.210	
3,300.0	3,285.1	3,279.0	3,265.3	10.3	9.7	118.93	115.0	198.1	234.1	218.3	15.85	14.775	
3,365.6	3,350.0	3,343.8	3,329.5	10.5	9.9	119.09	118.9	206.2	244.1	227.9	16.11	15.150	
3,400.0	3,384.1	3,377.9	3,363.2	10.6	10.1	119.20	121.0	210.5	249.2	233.0	16.24	15.348	
3,500.0	3,483.3	3,476.8	3,461.2	11.0	10.4	119.26	127.0	222.8	263.7	247.0	16.67	15.812	
3,600.0	3,582.8	3,575.9	3,559.3	11.4	10.8	119.00	133.1	235.2	277.2	260.1	17.10	16.210	
3,700.0	3,682.4	3,675.0	3,657.4	11.7	11.2	118.46	139.1	247.6	290.0	272.5	17.53	16.548	
3,800.0	3,782.1	3,774.2	3,755.6	12.1	11.6	117.68	145.2	260.0	302.0	284.1	17.95	16.829	
3,900.0	3,881.9	3,873.3	3,853.8	12.4	12.0	116.68	151.2	272.4	313.3	295.0	18.37	17.059	
4,000.0	3,981.9	3,972.5	3,952.0	12.7	12.4	115.47	157.3	284.8	324.0	305.2	18.79	17.243	
4,100.0	4,081.8	4,071.6	4,050.2	13.0	12.8	114.07	163.3	297.2	334.1	314.9	19.22	17.384	
4,165.6	4,147.4	4,136.6	4,114.5	13.1	13.0	110.75	167.3	305.4	340.5	321.0	19.47	17.483	
4,200.0	4,181.8	4,170.7	4,148.3	13.1	13.2	110.18	169.4	309.6	343.8	324.2	19.60	17.540	
4,300.0	4,281.8	4,269.7	4,246.3	13.2	13.6	108.56	175.4	322.0	353.6	333.6	20.04	17.642	
4,400.0	4,381.8	4,368.7	4,344.4	13.2	14.0	107.02	181.4	334.4	363.7	343.2	20.52	17.727	
4,500.0	4,481.8	4,467.8	4,442.5	13.3	14.4	105.58	187.5	346.8	374.0	353.0	21.01	17.799	
4,600.0	4,581.8	4,566.8	4,540.5	13.4	14.8	104.21	193.5	359.2	384.6	363.1	21.53	17.860	
4,700.0	4,681.8	4,665.8	4,638.6	13.4	15.2	102.91	199.6	371.6	395.4	373.3	22.07	17.911	
4,800.0	4,781.8	4,764.8	4,736.7	13.5	15.6	101.68	205.6	383.9	406.3	383.7	22.63	17.958	
4,900.0	4,881.8	4,872.8	4,843.7	13.6	16.1	100.50	211.8	396.5	416.8	393.4	23.34	17.859	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor			
5,000.0	4,981.8	4,985.8	4,956.2	13.6	16.6	99.65	216.4	406.0	424.3	400.3	23.96	17.711		
5,100.0	5,081.8	5,099.5	5,069.7	13.7	17.0	99.18	219.0	411.5	428.7	404.2	24.45	17.533		
5,200.0	5,181.8	5,211.4	5,181.6	13.8	17.2	99.05	219.8	413.0	429.9	405.2	24.70	17.405		
5,300.0	5,281.8	5,311.4	5,281.6	13.9	17.4	99.05	219.8	413.0	429.9	404.9	24.95	17.228		
5,400.0	5,381.8	5,411.4	5,381.6	13.9	17.4	99.05	219.8	413.0	429.9	404.8	25.09	17.130		
5,500.0	5,481.8	5,511.4	5,481.6	14.0	17.5	99.05	219.8	413.0	429.9	404.6	25.24	17.033		
5,600.0	5,581.8	5,611.4	5,581.6	14.1	17.5	99.05	219.8	413.0	429.9	404.5	25.38	16.937		
5,700.0	5,681.8	5,711.4	5,681.6	14.1	17.6	99.05	219.8	413.0	429.9	404.3	25.52	16.841		
5,800.0	5,781.8	5,811.4	5,781.6	14.2	17.6	99.05	219.8	413.0	429.9	404.2	25.67	16.747		
5,900.0	5,881.8	5,911.4	5,881.6	14.3	17.7	99.05	219.8	413.0	429.9	404.0	25.81	16.654		
6,000.0	5,981.8	6,011.4	5,981.6	14.4	17.7	99.05	219.8	413.0	429.9	403.9	25.96	16.561		
6,100.0	6,081.8	6,111.4	6,081.6	14.4	17.8	99.05	219.8	413.0	429.9	403.8	26.10	16.470		
6,200.0	6,181.8	6,211.4	6,181.6	14.5	17.8	99.05	219.8	413.0	429.9	403.6	26.24	16.379		
6,300.0	6,281.8	6,311.4	6,281.6	14.6	17.9	99.05	219.8	413.0	429.9	403.5	26.39	16.289		
6,400.0	6,381.8	6,411.4	6,381.6	14.6	17.9	99.05	219.8	413.0	429.9	403.3	26.53	16.200		
6,500.0	6,481.8	6,511.4	6,481.6	14.7	18.0	99.05	219.8	413.0	429.9	403.2	26.68	16.112		
6,600.0	6,581.8	6,611.4	6,581.6	14.8	18.0	99.05	219.8	413.0	429.9	403.0	26.82	16.025		
6,700.0	6,681.8	6,711.4	6,681.6	14.9	18.1	99.05	219.8	413.0	429.9	402.9	26.97	15.939		
6,800.0	6,781.8	6,811.4	6,781.6	14.9	18.1	99.05	219.8	413.0	429.9	402.7	27.11	15.853		
6,900.0	6,881.8	6,911.4	6,881.6	15.0	18.2	99.05	219.8	413.0	429.9	402.6	27.26	15.768		
7,000.0	6,981.8	7,011.4	6,981.6	15.1	18.2	99.05	219.8	413.0	429.9	402.4	27.41	15.684		
7,100.0	7,081.8	7,111.4	7,081.6	15.1	18.3	99.05	219.8	413.0	429.9	402.3	27.55	15.601		
7,200.0	7,181.8	7,211.4	7,181.6	15.2	18.3	99.05	219.8	413.0	429.9	402.2	27.70	15.519		
7,300.0	7,281.8	7,311.4	7,281.6	15.3	18.4	99.05	219.8	413.0	429.9	402.0	27.85	15.437		
7,400.0	7,381.8	7,411.4	7,381.6	15.4	18.4	99.05	219.8	413.0	429.9	401.9	27.99	15.356		
7,500.0	7,481.8	7,511.4	7,481.6	15.4	18.5	99.05	219.8	413.0	429.9	401.7	28.14	15.276		
7,600.0	7,581.8	7,611.4	7,581.6	15.5	18.6	99.05	219.8	413.0	429.9	401.6	28.29	15.197		
7,700.0	7,681.8	7,711.4	7,681.6	15.6	18.6	99.05	219.8	413.0	429.9	401.4	28.43	15.118		
7,800.0	7,781.8	7,811.4	7,781.6	15.7	18.7	99.05	219.8	413.0	429.9	401.3	28.58	15.040		
7,900.0	7,881.8	7,911.4	7,881.6	15.7	18.7	99.05	219.8	413.0	429.9	401.1	28.73	14.963		
8,000.0	7,981.8	8,011.4	7,981.6	15.8	18.8	99.05	219.8	413.0	429.9	401.0	28.88	14.887		
8,100.0	8,081.8	8,111.4	8,081.6	15.9	18.8	99.05	219.8	413.0	429.9	400.8	29.02	14.811		
8,200.0	8,181.8	8,211.4	8,181.6	15.9	18.9	99.05	219.8	413.0	429.9	400.7	29.17	14.736		
8,300.0	8,281.8	8,311.4	8,281.6	16.0	18.9	99.05	219.8	413.0	429.9	400.5	29.32	14.662		
8,400.0	8,381.8	8,411.4	8,381.6	16.1	19.0	99.05	219.8	413.0	429.9	400.4	29.47	14.588		
8,500.0	8,481.8	8,511.4	8,481.6	16.2	19.1	99.05	219.8	413.0	429.9	400.2	29.61	14.515		
8,600.0	8,581.8	8,611.4	8,581.6	16.2	19.1	99.05	219.8	413.0	429.9	400.1	29.76	14.443		
8,700.0	8,681.8	8,711.4	8,681.6	16.3	19.2	99.05	219.8	413.0	429.9	399.9	29.91	14.371		
8,800.0	8,781.8	8,811.4	8,781.6	16.4	19.2	99.05	219.8	413.0	429.9	399.8	30.06	14.300		
8,900.0	8,881.8	8,911.4	8,881.6	16.5	19.3	99.05	219.8	413.0	429.9	399.6	30.21	14.229		
9,000.0	8,981.8	9,011.4	8,981.6	16.5	19.3	99.05	219.8	413.0	429.9	399.5	30.36	14.160		
9,100.0	9,081.8	9,111.4	9,081.6	16.6	19.4	99.05	219.8	413.0	429.9	399.3	30.51	14.090		
9,200.0	9,181.8	9,211.4	9,181.6	16.7	19.5	99.05	219.8	413.0	429.9	399.2	30.66	14.022		
9,300.0	9,281.8	9,311.4	9,281.6	16.8	19.5	99.05	219.8	413.0	429.9	399.1	30.81	13.954		
9,400.0	9,381.8	9,411.4	9,381.6	16.8	19.6	99.05	219.8	413.0	429.9	398.9	30.95	13.887		
9,500.0	9,481.8	9,511.4	9,481.6	16.9	19.6	99.05	219.8	413.0	429.9	398.8	31.10	13.820		
9,600.0	9,581.8	9,611.4	9,581.6	17.0	19.7	99.05	219.8	413.0	429.9	398.6	31.25	13.754		
9,700.0	9,681.8	9,711.4	9,681.6	17.1	19.7	99.05	219.8	413.0	429.9	398.5	31.40	13.688		
9,800.0	9,781.8	9,811.4	9,781.6	17.1	19.8	99.05	219.8	413.0	429.9	398.3	31.55	13.623		
9,900.0	9,881.8	9,911.4	9,881.6	17.2	19.9	99.05	219.8	413.0	429.9	398.2	31.70	13.559		
10,000.0	9,981.8	10,011.4	9,981.6	17.3	19.9	99.05	219.8	413.0	429.9	398.0	31.85	13.495		
10,100.0	10,081.8	10,111.4	10,081.6	17.3	20.0	99.05	219.8	413.0	429.9	397.9	32.00	13.431		

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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)			
10,200.0	10,181.8	10,211.4	10,181.6	17.4	20.0	99.05	219.8	413.0	429.9	397.7	32.15	13.369	
10,300.0	10,281.8	10,311.4	10,281.6	17.5	20.1	99.05	219.8	413.0	429.9	397.6	32.30	13.306	
10,400.0	10,381.8	10,411.4	10,381.6	17.6	20.2	99.05	219.8	413.0	429.9	397.4	32.45	13.245	
10,500.0	10,481.8	10,511.4	10,481.6	17.6	20.2	99.05	219.8	413.0	429.9	397.3	32.61	13.184	
10,600.0	10,581.8	10,611.4	10,581.6	17.7	20.3	99.05	219.8	413.0	429.9	397.1	32.76	13.123	
10,700.0	10,681.8	10,711.4	10,681.6	17.8	20.3	99.05	219.8	413.0	429.9	396.9	32.91	13.063	
10,800.0	10,781.8	10,811.4	10,781.6	17.9	20.4	99.05	219.8	413.0	429.9	396.8	33.06	13.003	
10,900.0	10,881.8	10,911.4	10,881.6	17.9	20.5	99.05	219.8	413.0	429.9	396.6	33.21	12.944	
11,000.0	10,981.8	11,011.4	10,981.6	18.0	20.5	99.05	219.8	413.0	429.9	396.5	33.36	12.886	
11,100.0	11,081.8	11,111.4	11,081.6	18.1	20.6	99.05	219.8	413.0	429.9	396.3	33.51	12.828	
11,110.0	11,091.8	11,121.4	11,091.6	18.1	20.6	99.05	219.8	413.0	429.9	396.3	33.52	12.823	
11,200.0	11,181.8	11,205.9	11,176.0	18.2	20.6	99.27	218.1	413.0	430.2	396.6	33.62	12.794	
11,300.0	11,281.8	11,292.7	11,261.8	18.3	20.7	100.99	204.9	413.1	433.0	399.4	33.64	12.870	
11,325.2	11,307.0	11,313.8	11,282.2	18.3	20.7	101.66	199.7	413.1	434.3	400.7	33.63	12.915	
11,350.0	11,331.8	11,334.3	11,301.9	18.3	20.7	-77.14	194.0	413.1	435.7	402.1	33.61	12.962	
11,400.0	11,381.6	11,375.1	11,340.5	18.3	20.7	-75.56	180.5	413.2	438.7	405.1	33.63	13.045	
11,450.0	11,430.9	11,415.5	11,377.5	18.4	20.7	-74.09	164.5	413.3	441.8	408.1	33.70	13.112	
11,500.0	11,479.1	11,455.3	11,412.8	18.5	20.8	-72.73	146.2	413.4	444.9	411.1	33.81	13.159	
11,550.0	11,526.1	11,494.7	11,446.5	18.5	20.8	-71.49	125.8	413.6	448.0	414.0	33.98	13.184	
11,600.0	11,571.4	11,533.8	11,478.4	18.6	20.8	-70.37	103.2	413.7	451.0	416.8	34.20	13.186	
11,650.0	11,614.7	11,572.5	11,508.4	18.7	20.8	-69.37	78.8	413.9	453.7	419.3	34.47	13.165	
11,700.0	11,655.7	11,610.9	11,536.5	18.8	20.9	-68.51	52.6	414.1	456.3	421.5	34.77	13.123	
11,750.0	11,694.0	11,650.0	11,563.3	18.8	20.9	-67.76	24.1	414.2	458.5	423.4	35.08	13.068	
11,800.0	11,729.3	11,687.1	11,586.8	18.9	20.9	-67.16	-4.6	414.4	460.4	424.9	35.46	12.983	
11,850.0	11,761.5	11,725.0	11,608.8	19.0	21.0	-66.69	-35.4	414.6	461.9	426.1	35.83	12.891	
11,900.0	11,790.2	11,762.8	11,628.7	19.0	21.0	-66.34	-67.5	414.8	463.0	426.8	36.21	12.788	
11,950.0	11,815.2	11,800.0	11,646.2	19.1	21.0	-66.13	-100.4	415.0	463.7	427.2	36.59	12.675	
12,000.0	11,836.3	11,838.1	11,661.9	19.1	21.1	-66.05	-135.1	415.3	464.0	427.1	36.93	12.563	
12,050.0	11,853.4	11,875.7	11,675.0	19.2	21.1	-66.10	-170.3	415.5	463.8	426.6	37.27	12.446	
12,100.0	11,866.4	11,913.4	11,685.9	19.2	21.1	-66.28	-206.4	415.7	463.2	425.7	37.57	12.330	
12,150.0	11,875.1	11,950.0	11,694.1	19.2	21.2	-66.59	-242.1	416.0	462.2	424.4	37.86	12.210	
12,200.0	11,879.4	11,988.9	11,700.4	19.3	21.2	-67.04	-280.5	416.2	460.8	422.7	38.07	12.104	
12,225.2	11,880.0	12,008.1	11,702.5	19.3	21.2	-67.32	-299.5	416.3	459.9	421.7	38.16	12.052	
12,300.0	11,880.0	12,066.3	11,705.0	19.3	21.3	-67.61	-357.6	416.7	458.6	420.1	38.50	11.914	
12,400.0	11,880.0	12,166.3	11,705.0	19.3	21.4	-67.61	-457.6	417.4	458.6	419.8	38.85	11.804	
12,500.0	11,880.0	12,266.3	11,705.0	19.3	21.6	-67.61	-557.6	418.0	458.6	419.4	39.27	11.680	
12,600.0	11,880.0	12,366.3	11,705.0	19.3	21.8	-67.61	-657.6	418.7	458.6	418.9	39.74	11.542	
12,700.0	11,880.0	12,466.3	11,705.0	19.4	22.0	-67.61	-757.6	419.3	458.6	418.4	40.26	11.393	
12,800.0	11,880.0	12,566.3	11,705.0	19.4	22.2	-67.61	-857.6	420.0	458.6	417.8	40.83	11.234	
12,900.0	11,880.0	12,666.3	11,705.0	19.4	22.4	-67.61	-957.6	420.6	458.6	417.2	41.45	11.066	
13,000.0	11,880.0	12,766.3	11,705.0	19.5	22.7	-67.61	-1,057.6	421.3	458.6	416.5	42.11	10.891	
13,100.0	11,880.0	12,866.3	11,705.0	19.5	22.9	-67.61	-1,157.6	421.9	458.6	415.8	42.82	10.711	
13,200.0	11,880.0	12,966.3	11,705.0	19.5	23.2	-67.61	-1,257.6	422.6	458.6	415.1	43.57	10.527	
13,300.0	11,880.0	13,066.3	11,705.0	19.6	23.6	-67.61	-1,357.6	423.2	458.6	414.3	44.36	10.339	
13,400.0	11,880.0	13,166.3	11,705.0	19.7	23.9	-67.61	-1,457.6	423.9	458.6	413.4	45.18	10.150	
13,500.0	11,880.0	13,266.3	11,705.0	20.1	24.3	-67.61	-1,557.6	424.5	458.6	412.6	46.05	9.960	
13,600.0	11,880.0	13,366.3	11,705.0	20.6	24.6	-67.61	-1,657.6	425.2	458.6	411.7	46.94	9.770	
13,700.0	11,880.0	13,466.3	11,705.0	21.1	25.0	-67.61	-1,757.6	425.8	458.6	410.8	47.87	9.581	
13,800.0	11,880.0	13,566.3	11,705.0	21.7	25.5	-67.61	-1,857.6	426.5	458.6	409.8	48.83	9.393	
13,900.0	11,880.0	13,666.3	11,705.0	22.2	25.9	-67.61	-1,957.6	427.1	458.6	408.8	49.81	9.208	
14,000.0	11,880.0	13,766.3	11,705.0	22.8	26.4	-67.61	-2,057.6	427.8	458.6	407.8	50.82	9.025	
14,100.0	11,880.0	13,866.3	11,705.0	23.4	26.8	-67.61	-2,157.6	428.4	458.6	406.8	51.86	8.844	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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	
14,200.0	11,880.0	13,966.3	11,705.0	24.0	27.3	-67.61	-2,257.6	429.1	458.6	405.7	52.91	8.667	
14,300.0	11,880.0	14,066.3	11,705.0	24.6	27.8	-67.61	-2,357.6	429.7	458.6	404.6	53.99	8.494	
14,400.0	11,880.0	14,166.3	11,705.0	25.2	28.3	-67.61	-2,457.6	430.4	458.6	403.5	55.10	8.324	
14,500.0	11,880.0	14,266.3	11,705.0	25.8	28.8	-67.61	-2,557.6	431.0	458.6	402.4	56.22	8.158	
14,600.0	11,880.0	14,366.3	11,705.0	26.4	29.4	-67.61	-2,657.6	431.7	458.6	401.3	57.35	7.996	
14,700.0	11,880.0	14,466.3	11,705.0	27.1	29.9	-67.61	-2,757.6	432.3	458.6	400.1	58.51	7.838	
14,800.0	11,880.0	14,566.3	11,705.0	27.7	30.5	-67.61	-2,857.6	433.0	458.6	398.9	59.68	7.684	
14,900.0	11,880.0	14,666.3	11,705.0	28.4	31.0	-67.61	-2,957.6	433.6	458.6	397.8	60.87	7.534	
15,000.0	11,880.0	14,766.3	11,705.0	29.0	31.6	-67.61	-3,057.6	434.3	458.6	396.6	62.07	7.389	
15,100.0	11,880.0	14,866.3	11,705.0	29.7	32.2	-67.61	-3,157.6	434.9	458.6	395.3	63.29	7.247	
15,200.0	11,880.0	14,966.3	11,705.0	30.3	32.8	-67.61	-3,257.5	435.6	458.6	394.1	64.51	7.109	
15,300.0	11,880.0	15,066.3	11,705.0	31.0	33.4	-67.61	-3,357.5	436.2	458.6	392.9	65.75	6.975	
15,400.0	11,880.0	15,166.3	11,705.0	31.7	34.0	-67.60	-3,457.5	436.9	458.6	391.6	67.01	6.845	
15,500.0	11,880.0	15,266.3	11,705.0	32.3	34.6	-67.60	-3,557.5	437.5	458.6	390.4	68.27	6.718	
15,600.0	11,880.0	15,366.3	11,705.0	33.0	35.2	-67.60	-3,657.5	438.2	458.6	389.1	69.54	6.595	
15,700.0	11,880.0	15,466.3	11,705.0	33.7	35.9	-67.60	-3,757.5	438.8	458.6	387.8	70.82	6.476	
15,800.0	11,880.0	15,566.3	11,705.0	34.4	36.5	-67.60	-3,857.5	439.5	458.6	386.5	72.11	6.360	
15,900.0	11,880.0	15,666.3	11,705.0	35.1	37.1	-67.60	-3,957.5	440.1	458.6	385.2	73.41	6.247	
16,000.0	11,880.0	15,766.3	11,705.0	35.8	37.8	-67.60	-4,057.5	440.8	458.6	383.9	74.72	6.138	
16,100.0	11,880.0	15,866.3	11,705.0	36.5	38.4	-67.60	-4,157.5	441.4	458.6	382.6	76.03	6.032	
16,200.0	11,880.0	15,966.3	11,705.0	37.2	39.1	-67.60	-4,257.5	442.1	458.6	381.3	77.35	5.929	
16,300.0	11,880.0	16,066.3	11,705.0	37.9	39.7	-67.60	-4,357.5	442.7	458.6	379.9	78.68	5.829	
16,400.0	11,880.0	16,166.3	11,705.0	38.6	40.4	-67.60	-4,457.5	443.4	458.6	378.6	80.02	5.731	
16,500.0	11,880.0	16,266.3	11,705.0	39.3	41.1	-67.60	-4,557.5	444.0	458.6	377.3	81.36	5.637	
16,600.0	11,880.0	16,366.3	11,705.0	40.0	41.7	-67.60	-4,657.5	444.7	458.6	375.9	82.71	5.545	
16,700.0	11,880.0	16,466.3	11,705.0	40.7	42.4	-67.60	-4,757.5	445.3	458.6	374.5	84.06	5.456	
16,800.0	11,880.0	16,566.3	11,705.0	41.4	43.1	-67.60	-4,857.5	446.0	458.6	373.2	85.42	5.369	
16,900.0	11,880.0	16,666.3	11,705.0	42.1	43.8	-67.60	-4,957.5	446.6	458.6	371.8	86.79	5.284	
17,000.0	11,880.0	16,766.3	11,705.0	42.8	44.4	-67.60	-5,057.5	447.3	458.6	370.5	88.16	5.202	
17,100.0	11,880.0	16,866.3	11,705.0	43.5	45.1	-67.60	-5,157.5	447.9	458.6	369.1	89.53	5.122	
17,200.0	11,880.0	16,966.3	11,705.0	44.3	45.8	-67.60	-5,257.5	448.6	458.6	367.7	90.91	5.045	
17,300.0	11,880.0	17,066.3	11,705.0	45.0	46.5	-67.60	-5,357.5	449.3	458.6	366.3	92.29	4.969	
17,400.0	11,880.0	17,166.3	11,705.0	45.7	47.2	-67.60	-5,457.5	449.9	458.6	364.9	93.68	4.896	
17,500.0	11,880.0	17,266.3	11,705.0	46.4	47.9	-67.60	-5,557.5	450.6	458.6	363.5	95.07	4.824	
17,600.0	11,880.0	17,366.3	11,705.0	47.1	48.6	-67.60	-5,657.5	451.2	458.6	362.1	96.46	4.754	
17,700.0	11,880.0	17,466.3	11,705.0	47.9	49.3	-67.60	-5,757.5	451.9	458.6	360.7	97.86	4.686	
17,800.0	11,880.0	17,566.3	11,705.0	48.6	50.0	-67.60	-5,857.5	452.5	458.6	359.3	99.26	4.620	
17,900.0	11,880.0	17,666.3	11,705.0	49.3	50.7	-67.60	-5,957.5	453.2	458.6	357.9	100.67	4.556	
18,000.0	11,880.0	17,766.3	11,705.0	50.0	51.4	-67.60	-6,057.5	453.8	458.6	356.5	102.07	4.493	
18,100.0	11,880.0	17,866.3	11,705.0	50.8	52.1	-67.60	-6,157.5	454.5	458.6	355.1	103.48	4.432	
18,200.0	11,880.0	17,966.3	11,705.0	51.5	52.8	-67.60	-6,257.5	455.1	458.6	353.7	104.90	4.372	
18,300.0	11,880.0	18,066.3	11,705.0	52.2	53.5	-67.60	-6,357.5	455.8	458.6	352.3	106.31	4.314	
18,400.0	11,880.0	18,166.3	11,705.0	53.0	54.2	-67.60	-6,457.5	456.4	458.6	350.9	107.73	4.257	
18,500.0	11,880.0	18,266.3	11,705.0	53.7	54.9	-67.60	-6,557.5	457.1	458.6	349.4	109.16	4.201	
18,600.0	11,880.0	18,366.3	11,705.0	54.4	55.6	-67.60	-6,657.5	457.7	458.6	348.0	110.58	4.147	
18,700.0	11,880.0	18,466.3	11,705.0	55.2	56.3	-67.60	-6,757.5	458.4	458.6	346.6	112.01	4.094	
18,800.0	11,880.0	18,566.3	11,705.0	55.9	57.1	-67.60	-6,857.5	459.0	458.6	345.2	113.43	4.043	
18,900.0	11,880.0	18,666.3	11,705.0	56.6	57.8	-67.60	-6,957.5	459.7	458.6	343.7	114.87	3.993	
19,000.0	11,880.0	18,766.3	11,705.0	57.4	58.5	-67.60	-7,057.5	460.3	458.6	342.3	116.30	3.943	
19,100.0	11,880.0	18,866.3	11,705.0	58.1	59.2	-67.60	-7,157.5	461.0	458.6	340.9	117.73	3.895	
19,200.0	11,880.0	18,966.3	11,705.0	58.9	59.9	-67.60	-7,257.5	461.6	458.6	339.4	119.17	3.848	
19,300.0	11,880.0	19,066.3	11,705.0	59.6	60.7	-67.60	-7,357.5	462.3	458.6	338.0	120.61	3.802	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
19,400.0	11,880.0	19,166.3	11,705.0	60.3	61.4	-67.60	-7,457.5	462.9	458.6	336.5	122.05	3.757		
19,500.0	11,880.0	19,266.3	11,705.0	61.1	62.1	-67.60	-7,557.5	463.6	458.6	335.1	123.49	3.714		
19,600.0	11,880.0	19,366.3	11,705.0	61.8	62.8	-67.60	-7,657.5	464.2	458.6	333.7	124.94	3.671		
19,700.0	11,880.0	19,466.3	11,705.0	62.6	63.6	-67.60	-7,757.5	464.9	458.6	332.2	126.38	3.629		
19,800.0	11,880.0	19,566.3	11,705.0	63.3	64.3	-67.60	-7,857.5	465.5	458.6	330.8	127.83	3.588		
19,900.0	11,880.0	19,666.3	11,705.0	64.0	65.0	-67.60	-7,957.4	466.2	458.6	329.3	129.28	3.547		
20,000.0	11,880.0	19,766.3	11,705.0	64.8	65.7	-67.60	-8,057.4	466.8	458.6	327.9	130.73	3.508		
20,100.0	11,880.0	19,866.3	11,705.0	65.5	66.5	-67.60	-8,157.4	467.5	458.6	326.4	132.18	3.469		
20,200.0	11,880.0	19,966.3	11,705.0	66.3	67.2	-67.60	-8,257.4	468.1	458.6	325.0	133.63	3.432		
20,300.0	11,880.0	20,066.3	11,705.0	67.0	67.9	-67.60	-8,357.4	468.8	458.6	323.5	135.09	3.395		
20,400.0	11,880.0	20,166.3	11,705.0	67.8	68.7	-67.60	-8,457.4	469.4	458.6	322.0	136.54	3.359		
20,500.0	11,880.0	20,266.3	11,705.0	68.5	69.4	-67.60	-8,557.4	470.1	458.6	320.6	138.00	3.323		
20,600.0	11,880.0	20,366.3	11,705.0	69.3	70.1	-67.60	-8,657.4	470.7	458.6	319.1	139.46	3.288		
20,700.0	11,880.0	20,466.3	11,705.0	70.0	70.9	-67.60	-8,757.4	471.4	458.6	317.7	140.92	3.254		
20,800.0	11,880.0	20,566.3	11,705.0	70.7	71.6	-67.60	-8,857.4	472.0	458.6	316.2	142.38	3.221		
20,900.0	11,880.0	20,666.3	11,705.0	71.5	72.3	-67.60	-8,957.4	472.7	458.6	314.7	143.84	3.188		
21,000.0	11,880.0	20,766.3	11,705.0	72.2	73.1	-67.60	-9,057.4	473.3	458.6	313.3	145.30	3.156		
21,100.0	11,880.0	20,866.3	11,705.0	73.0	73.8	-67.60	-9,157.4	474.0	458.6	311.8	146.77	3.125		
21,200.0	11,880.0	20,966.3	11,705.0	73.7	74.5	-67.60	-9,257.4	474.6	458.6	310.4	148.23	3.094		
21,300.0	11,880.0	21,066.3	11,705.0	74.5	75.3	-67.60	-9,357.4	475.3	458.6	308.9	149.70	3.063		
21,400.0	11,880.0	21,166.3	11,705.0	75.2	76.0	-67.60	-9,457.4	475.9	458.6	307.4	151.16	3.034		
21,500.0	11,880.0	21,266.3	11,705.0	76.0	76.7	-67.60	-9,557.4	476.6	458.6	306.0	152.63	3.005		
21,600.0	11,880.0	21,366.3	11,705.0	76.7	77.5	-67.60	-9,657.4	477.2	458.6	304.5	154.10	2.976		
21,690.0	11,880.0	21,456.3	11,705.0	77.4	78.1	-67.60	-9,747.4	477.8	458.6	303.2	155.42	2.951 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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	90.33	-0.3	60.1	60.1				
100.0	100.0	100.0	100.0	3.0	3.0	90.33	-0.3	60.1	60.1	53.6	6.52	9.213	
200.0	200.0	200.0	200.0	3.2	3.2	90.33	-0.3	60.1	60.1	53.3	6.76	8.886	
300.0	300.0	300.0	300.0	3.3	3.3	90.33	-0.3	60.1	60.1	53.1	6.99	8.592	
400.0	400.0	400.0	400.0	3.4	3.4	90.33	-0.3	60.1	60.1	52.9	7.21	8.326	
500.0	500.0	500.0	500.0	3.5	3.5	90.33	-0.3	60.1	60.1	52.6	7.43	8.084	
600.0	600.0	600.0	600.0	3.7	3.7	90.33	-0.3	60.1	60.1	52.4	7.64	7.862	
700.0	700.0	700.0	700.0	3.8	3.8	90.33	-0.3	60.1	60.1	52.2	7.84	7.658	
800.0	800.0	800.0	800.0	3.9	3.9	90.33	-0.3	60.1	60.1	52.0	8.04	7.470	
900.0	900.0	900.0	900.0	4.0	4.0	90.33	-0.3	60.1	60.1	51.8	8.23	7.295	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	90.33	-0.3	60.1	60.1	51.6	8.42	7.132	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	90.33	-0.3	60.1	60.1	51.5	8.61	6.979	
1,200.0	1,200.0	1,200.0	1,200.0	4.4	4.4	90.33	-0.3	60.1	60.1	51.3	8.79	6.837	
1,300.0	1,300.0	1,300.0	1,300.0	4.5	4.5	90.33	-0.3	60.1	60.1	51.1	8.96	6.702	
1,400.0	1,400.0	1,400.0	1,400.0	4.6	4.6	90.33	-0.3	60.1	60.1	50.9	9.13	6.576	
1,466.7	1,466.7	1,466.7	1,466.7	4.7	4.7	90.33	-0.3	60.1	60.1	50.8	9.25	6.496 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	90.33	-0.3	60.1	60.1	50.8	9.30	6.457 ES	
1,600.0	1,600.0	1,598.9	1,598.9	5.0	4.9	93.38	0.6	61.0	61.1	51.6	9.49	6.438	
1,700.0	1,699.8	1,697.8	1,697.7	5.2	5.1	95.46	3.3	63.7	64.1	54.3	9.82	6.527	
1,800.0	1,799.5	1,796.4	1,796.1	5.5	5.3	98.51	7.8	68.2	69.4	59.2	10.16	6.826	
1,900.0	1,898.7	1,894.9	1,894.2	5.8	5.5	102.05	14.1	74.5	77.0	66.5	10.51	7.327	
2,000.0	1,997.7	1,993.2	1,991.8	6.0	5.7	104.75	22.1	82.6	86.7	75.8	10.85	7.988	
2,100.0	2,096.8	2,090.2	2,087.8	6.3	5.9	105.85	31.3	92.5	98.2	87.1	11.12	8.828	
2,200.0	2,195.8	2,185.6	2,182.1	6.5	6.2	106.76	39.5	105.1	112.9	101.4	11.48	9.831	
2,300.0	2,294.8	2,279.9	2,274.9	6.8	6.5	107.56	46.5	120.5	130.8	119.0	11.86	11.033	
2,400.0	2,393.8	2,374.7	2,367.7	7.1	6.7	108.25	52.5	138.7	151.8	139.6	12.19	12.459	
2,500.0	2,492.9	2,472.3	2,463.1	7.5	7.0	108.80	58.5	158.1	173.6	161.0	12.60	13.777	
2,600.0	2,591.9	2,569.9	2,558.6	7.8	7.3	109.23	64.4	177.6	195.3	182.3	13.04	14.977	
2,700.0	2,690.9	2,667.5	2,654.1	8.1	7.7	109.57	70.3	197.0	217.1	203.6	13.50	16.083	
2,800.0	2,789.9	2,765.1	2,749.5	8.5	8.0	109.85	76.3	216.4	238.8	224.9	13.97	17.101	
2,900.0	2,889.0	2,862.7	2,845.0	8.8	8.4	110.08	82.2	235.8	260.6	246.1	14.45	18.040	
3,000.0	2,988.0	2,960.3	2,940.5	9.2	8.8	110.28	88.1	255.2	282.4	267.4	14.94	18.905	
3,100.0	3,087.0	3,057.9	3,035.9	9.5	9.2	110.45	94.1	274.6	304.1	288.7	15.44	19.704	
3,200.0	3,186.1	3,155.5	3,131.4	9.9	9.5	110.60	100.0	294.0	325.9	310.0	15.94	20.442	
3,300.0	3,285.1	3,253.1	3,226.8	10.3	9.9	110.73	105.9	313.4	347.7	331.2	16.46	21.124	
3,365.6	3,350.0	3,317.0	3,289.4	10.5	10.2	110.80	109.8	326.1	362.0	345.2	16.78	21.574	
3,400.0	3,384.1	3,350.7	3,322.3	10.6	10.4	110.89	111.9	332.8	369.4	352.5	16.94	21.811	
3,500.0	3,483.3	3,448.4	3,417.9	11.0	10.8	110.99	117.8	352.2	390.7	373.2	17.47	22.366	
3,600.0	3,582.8	3,546.2	3,513.6	11.4	11.2	110.86	123.7	371.7	411.4	393.4	18.00	22.849	
3,700.0	3,682.4	3,644.1	3,609.3	11.7	11.6	110.54	129.7	391.1	431.4	412.9	18.55	23.264	
3,800.0	3,782.1	3,742.0	3,705.1	12.1	12.0	110.04	135.6	410.6	451.0	431.9	19.09	23.619	
3,900.0	3,881.9	3,840.0	3,800.9	12.4	12.4	109.40	141.6	430.1	470.0	450.3	19.65	23.918	
4,000.0	3,981.9	3,937.9	3,896.7	12.7	12.9	108.62	147.6	449.6	488.5	468.3	20.21	24.169	
4,100.0	4,081.8	4,035.8	3,992.5	13.0	13.3	107.71	153.5	469.0	506.7	485.9	20.79	24.376	
4,165.6	4,147.4	4,100.0	4,055.2	13.1	13.6	104.76	157.4	481.8	518.4	497.3	21.14	24.519	
4,200.0	4,181.8	4,133.7	4,088.2	13.1	13.7	104.35	159.5	488.5	524.6	503.2	21.33	24.598	
4,300.0	4,281.8	4,231.5	4,183.9	13.2	14.2	103.21	165.4	507.9	542.5	520.6	21.91	24.759	
4,400.0	4,381.8	4,329.3	4,279.5	13.2	14.6	102.15	171.3	527.4	560.7	538.2	22.51	24.905	
4,500.0	4,481.8	4,427.1	4,375.2	13.3	15.1	101.15	177.3	546.8	579.0	555.9	23.12	25.039	
4,600.0	4,581.8	4,524.9	4,470.9	13.4	15.5	100.22	183.2	566.3	597.5	573.8	23.75	25.163	
4,700.0	4,681.8	4,622.7	4,566.6	13.4	15.9	99.34	189.2	585.7	616.2	591.8	24.38	25.278	
4,800.0	4,781.8	4,720.5	4,662.3	13.5	16.4	98.51	195.1	605.2	634.9	609.9	25.01	25.385	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	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)		
4,900.0	4,881.8	4,818.4	4,757.9	13.6	16.8	97.73	201.1	624.6	653.8	628.2	25.65	25.486	
5,000.0	4,981.8	4,916.2	4,853.6	13.6	17.3	96.99	207.0	644.1	672.8	646.5	26.30	25.582	
5,100.0	5,081.8	5,014.0	4,949.3	13.7	17.7	96.29	213.0	663.5	692.0	665.0	26.95	25.673	
5,200.0	5,181.8	5,111.8	5,045.0	13.8	18.2	95.63	218.9	683.0	711.2	683.6	27.61	25.760	
5,300.0	5,281.8	5,209.6	5,140.6	13.9	18.6	95.00	224.9	702.4	730.5	702.2	28.26	25.843	
5,400.0	5,381.8	5,309.9	5,238.7	13.9	19.1	94.40	230.9	722.3	749.8	720.9	28.93	25.915	
5,500.0	5,481.8	5,421.8	5,348.5	14.0	19.6	93.79	237.3	743.2	768.0	738.3	29.70	25.863	
5,600.0	5,581.8	5,534.6	5,459.6	14.1	20.1	93.27	243.1	762.1	784.5	754.1	30.41	25.799	
5,700.0	5,681.8	5,648.2	5,571.7	14.1	20.6	92.83	248.3	779.1	799.2	768.1	31.10	25.701	
5,800.0	5,781.8	5,762.4	5,684.9	14.2	21.1	92.45	252.9	794.0	812.1	780.3	31.76	25.572	
5,900.0	5,881.8	5,877.2	5,798.9	14.3	21.5	92.14	256.8	806.8	823.1	790.7	32.38	25.416	
6,000.0	5,981.8	5,992.5	5,913.6	14.4	22.0	91.89	260.0	817.4	832.2	799.3	32.98	25.236	
6,100.0	6,081.8	6,108.1	6,028.9	14.4	22.4	91.69	262.6	825.9	839.5	806.0	33.53	25.038	
6,200.0	6,181.8	6,224.1	6,144.8	14.5	22.8	91.55	264.5	832.2	844.8	810.8	34.03	24.827	
6,300.0	6,281.8	6,340.4	6,260.9	14.6	23.2	91.46	265.8	836.2	848.3	813.8	34.47	24.611	
6,400.0	6,381.8	6,456.7	6,377.2	14.6	23.4	91.42	266.3	838.0	849.8	815.0	34.76	24.448	
6,500.0	6,481.8	6,561.4	6,481.9	14.7	23.5	91.42	266.3	838.1	849.9	815.0	34.90	24.352	
6,600.0	6,581.8	6,661.4	6,581.9	14.8	23.6	91.42	266.3	838.1	849.9	814.9	35.01	24.272	
6,700.0	6,681.8	6,761.4	6,681.9	14.9	23.6	91.42	266.3	838.1	849.9	814.7	35.12	24.199	
6,800.0	6,781.8	6,861.4	6,781.9	14.9	23.6	91.42	266.3	838.1	849.9	814.6	35.23	24.126	
6,900.0	6,881.8	6,961.4	6,881.9	15.0	23.7	91.42	266.3	838.1	849.9	814.5	35.33	24.053	
7,000.0	6,981.8	7,061.4	6,981.9	15.1	23.7	91.42	266.3	838.1	849.9	814.4	35.44	23.980	
7,100.0	7,081.8	7,161.4	7,081.9	15.1	23.8	91.42	266.3	838.1	849.9	814.3	35.55	23.908	
7,200.0	7,181.8	7,261.4	7,181.9	15.2	23.8	91.42	266.3	838.1	849.9	814.2	35.66	23.836	
7,300.0	7,281.8	7,361.4	7,281.9	15.3	23.8	91.42	266.3	838.1	849.9	814.1	35.76	23.763	
7,400.0	7,381.8	7,461.4	7,381.9	15.4	23.9	91.42	266.3	838.1	849.9	814.0	35.87	23.691	
7,500.0	7,481.8	7,561.4	7,481.9	15.4	23.9	91.42	266.3	838.1	849.9	813.9	35.98	23.620	
7,600.0	7,581.8	7,661.4	7,581.9	15.5	23.9	91.42	266.3	838.1	849.9	813.8	36.09	23.548	
7,700.0	7,681.8	7,761.4	7,681.9	15.6	24.0	91.42	266.3	838.1	849.9	813.7	36.20	23.476	
7,800.0	7,781.8	7,861.4	7,781.9	15.7	24.0	91.42	266.3	838.1	849.9	813.6	36.31	23.405	
7,900.0	7,881.8	7,961.4	7,881.9	15.7	24.1	91.42	266.3	838.1	849.9	813.4	36.42	23.334	
8,000.0	7,981.8	8,061.4	7,981.9	15.8	24.1	91.42	266.3	838.1	849.9	813.3	36.53	23.263	
8,100.0	8,081.8	8,161.4	8,081.9	15.9	24.1	91.42	266.3	838.1	849.9	813.2	36.64	23.192	
8,200.0	8,181.8	8,261.4	8,181.9	15.9	24.2	91.42	266.3	838.1	849.9	813.1	36.76	23.122	
8,300.0	8,281.8	8,361.4	8,281.9	16.0	24.2	91.42	266.3	838.1	849.9	813.0	36.87	23.052	
8,400.0	8,381.8	8,461.4	8,381.9	16.1	24.3	91.42	266.3	838.1	849.9	812.9	36.98	22.981	
8,500.0	8,481.8	8,561.4	8,481.9	16.2	24.3	91.42	266.3	838.1	849.9	812.8	37.09	22.911	
8,600.0	8,581.8	8,661.4	8,581.9	16.2	24.3	91.42	266.3	838.1	849.9	812.7	37.21	22.842	
8,700.0	8,681.8	8,761.4	8,681.9	16.3	24.4	91.42	266.3	838.1	849.9	812.5	37.32	22.772	
8,800.0	8,781.8	8,861.4	8,781.9	16.4	24.4	91.42	266.3	838.1	849.9	812.4	37.43	22.703	
8,900.0	8,881.8	8,961.4	8,881.9	16.5	24.5	91.42	266.3	838.1	849.9	812.3	37.55	22.634	
9,000.0	8,981.8	9,061.4	8,981.9	16.5	24.5	91.42	266.3	838.1	849.9	812.2	37.66	22.565	
9,100.0	9,081.8	9,161.4	9,081.9	16.6	24.5	91.42	266.3	838.1	849.9	812.1	37.78	22.496	
9,200.0	9,181.8	9,261.4	9,181.9	16.7	24.6	91.42	266.3	838.1	849.9	812.0	37.89	22.428	
9,300.0	9,281.8	9,361.4	9,281.9	16.8	24.6	91.42	266.3	838.1	849.9	811.9	38.01	22.360	
9,400.0	9,381.8	9,461.4	9,381.9	16.8	24.7	91.42	266.3	838.1	849.9	811.7	38.13	22.292	
9,500.0	9,481.8	9,561.4	9,481.9	16.9	24.7	91.42	266.3	838.1	849.9	811.6	38.24	22.224	
9,600.0	9,581.8	9,661.4	9,581.9	17.0	24.8	91.42	266.3	838.1	849.9	811.5	38.36	22.156	
9,700.0	9,681.8	9,761.4	9,681.9	17.1	24.8	91.42	266.3	838.1	849.9	811.4	38.47	22.089	
9,800.0	9,781.8	9,861.4	9,781.9	17.1	24.8	91.42	266.3	838.1	849.9	811.3	38.59	22.022	
9,900.0	9,881.8	9,961.4	9,881.9	17.2	24.9	91.42	266.3	838.1	849.9	811.2	38.71	21.955	
10,000.0	9,981.8	10,061.4	9,981.9	17.3	24.9	91.42	266.3	838.1	849.9	811.0	38.83	21.888	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	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	
10,100.0	10,081.8	10,161.4	10,081.9	17.3	25.0	91.42	266.3	838.1	849.9	810.9	38.95	21.822	
10,200.0	10,181.8	10,261.4	10,181.9	17.4	25.0	91.42	266.3	838.1	849.9	810.8	39.06	21.755	
10,300.0	10,281.8	10,361.4	10,281.9	17.5	25.1	91.42	266.3	838.1	849.9	810.7	39.18	21.689	
10,400.0	10,381.8	10,461.4	10,381.9	17.6	25.1	91.42	266.3	838.1	849.9	810.6	39.30	21.624	
10,500.0	10,481.8	10,561.4	10,481.9	17.6	25.1	91.42	266.3	838.1	849.9	810.4	39.42	21.558	
10,600.0	10,581.8	10,661.4	10,581.9	17.7	25.2	91.42	266.3	838.1	849.9	810.3	39.54	21.493	
10,700.0	10,681.8	10,761.4	10,681.9	17.8	25.2	91.42	266.3	838.1	849.9	810.2	39.66	21.428	
10,800.0	10,781.8	10,861.4	10,781.9	17.9	25.3	91.42	266.3	838.1	849.9	810.1	39.78	21.363	
10,900.0	10,881.8	10,961.4	10,881.9	17.9	25.3	91.42	266.3	838.1	849.9	810.0	39.90	21.298	
11,000.0	10,981.8	11,061.4	10,981.9	18.0	25.4	91.42	266.3	838.1	849.9	809.8	40.02	21.234	
11,100.0	11,081.8	11,161.4	11,081.9	18.1	25.4	91.42	266.3	838.1	849.9	809.7	40.14	21.170	
11,200.0	11,181.8	11,261.4	11,181.9	18.2	25.5	91.42	266.3	838.1	849.9	809.6	40.27	21.106	
11,300.0	11,281.8	11,361.4	11,281.9	18.3	25.5	91.42	266.3	838.1	849.9	809.5	40.38	21.048	
11,316.8	11,298.6	11,378.1	11,298.7	18.3	25.5	91.42	266.3	838.1	849.9	809.5	40.39	21.042	
11,325.2	11,307.0	11,386.5	11,307.0	18.3	25.5	91.42	266.3	838.1	849.9	809.5	40.39	21.040	
11,350.0	11,331.8	11,410.3	11,330.8	18.3	25.5	-88.21	265.8	838.1	849.9	809.5	40.40	21.035	
11,400.0	11,381.6	11,458.1	11,378.4	18.3	25.5	-88.22	261.9	838.1	849.9	809.4	40.43	21.022	
11,450.0	11,430.9	11,505.9	11,425.5	18.4	25.5	-88.25	253.9	838.1	849.8	809.4	40.45	21.010	
11,500.0	11,479.1	11,553.7	11,471.9	18.5	25.5	-88.29	242.1	838.2	849.8	809.4	40.47	20.999	
11,550.0	11,526.1	11,601.7	11,517.2	18.5	25.6	-88.34	226.4	838.3	849.8	809.3	40.49	20.988	
11,600.0	11,571.4	11,650.0	11,561.3	18.6	25.6	-88.40	206.8	838.4	849.8	809.3	40.51	20.979	
11,650.0	11,614.7	11,697.7	11,603.1	18.7	25.6	-88.48	183.9	838.6	849.7	809.2	40.53	20.966	
11,700.0	11,655.7	11,745.8	11,643.3	18.8	25.6	-88.56	157.3	838.8	849.7	809.1	40.55	20.953	
11,750.0	11,694.0	11,794.1	11,681.1	18.8	25.6	-88.66	127.4	838.9	849.7	809.1	40.58	20.938	
11,800.0	11,729.3	11,842.4	11,716.4	18.9	25.6	-88.77	94.3	839.2	849.6	809.0	40.61	20.922	
11,850.0	11,761.5	11,890.9	11,748.8	19.0	25.7	-88.88	58.3	839.4	849.6	808.9	40.65	20.902	
11,900.0	11,790.2	11,939.6	11,778.1	19.0	25.7	-89.01	19.5	839.6	849.5	808.9	40.69	20.879	
11,950.0	11,815.2	11,988.4	11,804.2	19.1	25.7	-89.14	-21.8	839.9	849.5	808.8	40.74	20.852	
12,000.0	11,836.3	12,037.3	11,826.7	19.1	25.8	-89.28	-65.2	840.2	849.5	808.7	40.80	20.820	
12,050.0	11,853.4	12,086.5	11,845.4	19.2	25.8	-89.42	-110.6	840.5	849.4	808.6	40.87	20.783	
12,100.0	11,866.4	12,135.8	11,860.3	19.2	25.9	-89.57	-157.6	840.8	849.4	808.5	40.95	20.742	
12,150.0	11,875.1	12,185.3	11,871.1	19.2	25.9	-89.72	-205.9	841.1	849.4	808.3	41.04	20.695	
12,200.0	11,879.4	12,235.0	11,877.7	19.3	26.0	-89.88	-255.1	841.4	849.4	808.2	41.15	20.643	
12,225.2	11,880.0	12,260.1	11,879.4	19.3	26.0	-89.96	-280.2	841.5	849.4	808.2	41.20	20.616	
12,300.0	11,880.0	12,334.9	11,880.0	19.3	26.1	-90.00	-355.0	842.0	849.4	808.0	41.40	20.514	
12,400.0	11,880.0	12,434.9	11,880.0	19.3	26.2	-90.00	-455.0	842.7	849.3	807.6	41.73	20.351	
12,500.0	11,880.0	12,534.9	11,880.0	19.3	26.4	-90.00	-555.0	843.3	849.3	807.2	42.12	20.166	
12,600.0	11,880.0	12,634.9	11,880.0	19.3	26.6	-90.00	-655.0	843.9	849.3	806.8	42.55	19.960	
12,700.0	11,880.0	12,734.9	11,880.0	19.4	26.8	-90.00	-755.0	844.6	849.3	806.3	43.03	19.735	
12,800.0	11,880.0	12,834.9	11,880.0	19.4	27.0	-90.00	-855.0	845.2	849.3	805.7	43.56	19.495	
12,900.0	11,880.0	12,934.9	11,880.0	19.4	27.2	-90.00	-954.9	845.8	849.3	805.1	44.14	19.241	
13,000.0	11,880.0	13,034.9	11,880.0	19.5	27.5	-90.00	-1,054.9	846.5	849.3	804.5	44.76	18.974	
13,100.0	11,880.0	13,134.9	11,880.0	19.5	27.7	-90.00	-1,154.9	847.1	849.2	803.8	45.42	18.697	
13,200.0	11,880.0	13,234.9	11,880.0	19.5	28.0	-90.00	-1,254.9	847.7	849.2	803.1	46.12	18.413	
13,300.0	11,880.0	13,334.9	11,880.0	19.6	28.3	-90.00	-1,354.9	848.4	849.2	802.4	46.86	18.122	
13,400.0	11,880.0	13,434.9	11,880.0	19.7	28.6	-90.00	-1,454.9	849.0	849.2	801.6	47.64	17.826	
13,500.0	11,880.0	13,534.9	11,880.0	20.1	29.0	-90.00	-1,554.9	849.7	849.2	800.7	48.45	17.527	
13,600.0	11,880.0	13,634.9	11,880.0	20.6	29.3	-90.00	-1,654.9	850.3	849.2	799.9	49.29	17.227	
13,700.0	11,880.0	13,734.9	11,880.0	21.1	29.7	-90.00	-1,754.9	850.9	849.2	799.0	50.17	16.926	
13,800.0	11,880.0	13,834.9	11,880.0	21.7	30.1	-90.00	-1,854.9	851.6	849.1	798.1	51.07	16.626	
13,900.0	11,880.0	13,934.9	11,880.0	22.2	30.4	-90.00	-1,954.9	852.2	849.1	797.1	52.01	16.327	
14,000.0	11,880.0	14,034.9	11,880.0	22.8	30.9	-90.00	-2,054.9	852.8	849.1	796.1	52.97	16.031	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		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	11,880.0	14,134.9	11,880.0	23.4	31.3	-90.00	-2,154.9	853.5	849.1	795.1	53.95	15.738	
14,200.0	11,880.0	14,234.9	11,880.0	24.0	31.7	-90.00	-2,254.9	854.1	849.1	794.1	54.96	15.448	
14,300.0	11,880.0	14,334.9	11,880.0	24.6	32.1	-90.00	-2,354.9	854.8	849.1	793.1	55.99	15.164	
14,400.0	11,880.0	14,434.9	11,880.0	25.2	32.6	-90.00	-2,454.9	855.4	849.1	792.0	57.05	14.883	
14,500.0	11,880.0	14,534.9	11,880.0	25.8	33.1	-90.00	-2,554.9	856.0	849.0	790.9	58.12	14.608	
14,600.0	11,880.0	14,634.9	11,880.0	26.4	33.5	-90.00	-2,654.9	856.7	849.0	789.8	59.21	14.339	
14,700.0	11,880.0	14,734.9	11,880.0	27.1	34.0	-90.00	-2,754.9	857.3	849.0	788.7	60.32	14.074	
14,800.0	11,880.0	14,834.9	11,880.0	27.7	34.5	-90.00	-2,854.9	857.9	849.0	787.5	61.45	13.816	
14,900.0	11,880.0	14,934.9	11,880.0	28.4	35.0	-90.00	-2,954.9	858.6	849.0	786.4	62.59	13.563	
15,000.0	11,880.0	15,034.9	11,880.0	29.0	35.5	-90.00	-3,054.9	859.2	849.0	785.2	63.75	13.317	
15,100.0	11,880.0	15,134.9	11,880.0	29.7	36.1	-90.00	-3,154.9	859.8	848.9	784.0	64.92	13.076	
15,200.0	11,880.0	15,234.9	11,880.0	30.3	36.6	-90.00	-3,254.9	860.5	848.9	782.8	66.11	12.841	
15,300.0	11,880.0	15,334.9	11,880.0	31.0	37.1	-90.00	-3,354.9	861.1	848.9	781.6	67.31	12.612	
15,400.0	11,880.0	15,434.9	11,880.0	31.7	37.7	-90.00	-3,454.9	861.8	848.9	780.4	68.52	12.389	
15,500.0	11,880.0	15,534.9	11,880.0	32.3	38.2	-90.00	-3,554.9	862.4	848.9	779.1	69.74	12.171	
15,600.0	11,880.0	15,634.9	11,880.0	33.0	38.8	-90.00	-3,654.9	863.0	848.9	777.9	70.98	11.960	
15,700.0	11,880.0	15,734.9	11,880.0	33.7	39.4	-90.00	-3,754.9	863.7	848.9	776.6	72.22	11.753	
15,800.0	11,880.0	15,834.9	11,880.0	34.4	40.0	-90.00	-3,854.9	864.3	848.8	775.4	73.48	11.552	
15,900.0	11,880.0	15,934.9	11,880.0	35.1	40.5	-90.00	-3,954.9	864.9	848.8	774.1	74.74	11.357	
16,000.0	11,880.0	16,034.9	11,880.0	35.8	41.1	-90.00	-4,054.9	865.6	848.8	772.8	76.01	11.167	
16,100.0	11,880.0	16,134.9	11,880.0	36.5	41.7	-90.00	-4,154.9	866.2	848.8	771.5	77.30	10.981	
16,200.0	11,880.0	16,234.9	11,880.0	37.2	42.3	-90.00	-4,254.9	866.8	848.8	770.2	78.58	10.801	
16,300.0	11,880.0	16,334.9	11,880.0	37.9	42.9	-90.00	-4,354.9	867.5	848.8	768.9	79.88	10.625	
16,400.0	11,880.0	16,434.9	11,880.0	38.6	43.6	-90.00	-4,454.9	868.1	848.8	767.6	81.19	10.455	
16,500.0	11,880.0	16,534.9	11,880.0	39.3	44.2	-90.00	-4,554.9	868.8	848.7	766.2	82.50	10.288	
16,600.0	11,880.0	16,634.9	11,880.0	40.0	44.8	-90.00	-4,654.9	869.4	848.7	764.9	83.81	10.126	
16,700.0	11,880.0	16,734.9	11,880.0	40.7	45.4	-90.00	-4,754.9	870.0	848.7	763.6	85.14	9.969	
16,800.0	11,880.0	16,834.9	11,880.0	41.4	46.0	-90.00	-4,854.9	870.7	848.7	762.2	86.47	9.815	
16,900.0	11,880.0	16,934.9	11,880.0	42.1	46.7	-90.00	-4,954.9	871.3	848.7	760.9	87.80	9.666	
17,000.0	11,880.0	17,034.9	11,880.0	42.8	47.3	-90.00	-5,054.9	871.9	848.7	759.5	89.15	9.520	
17,100.0	11,880.0	17,134.9	11,880.0	43.5	48.0	-90.00	-5,154.9	872.6	848.7	758.2	90.49	9.378	
17,200.0	11,880.0	17,234.9	11,880.0	44.3	48.6	-90.00	-5,254.9	873.2	848.6	756.8	91.84	9.240	
17,300.0	11,880.0	17,334.9	11,880.0	45.0	49.3	-90.00	-5,354.9	873.9	848.6	755.4	93.20	9.106	
17,400.0	11,880.0	17,434.9	11,880.0	45.7	49.9	-90.00	-5,454.9	874.5	848.6	754.1	94.56	8.974	
17,500.0	11,880.0	17,534.9	11,880.0	46.4	50.6	-90.00	-5,554.9	875.1	848.6	752.7	95.92	8.847	
17,600.0	11,880.0	17,634.9	11,880.0	47.1	51.2	-90.00	-5,654.9	875.8	848.6	751.3	97.29	8.722	
17,700.0	11,880.0	17,734.9	11,880.0	47.9	51.9	-90.00	-5,754.9	876.4	848.6	749.9	98.67	8.600	
17,800.0	11,880.0	17,834.9	11,880.0	48.6	52.6	-90.00	-5,854.8	877.0	848.6	748.5	100.04	8.482	
17,900.0	11,880.0	17,934.9	11,880.0	49.3	53.2	-90.00	-5,954.8	877.7	848.5	747.1	101.43	8.366	
18,000.0	11,880.0	18,034.9	11,880.0	50.0	53.9	-90.00	-6,054.8	878.3	848.5	745.7	102.81	8.253	
18,100.0	11,880.0	18,134.9	11,880.0	50.8	54.6	-90.00	-6,154.8	878.9	848.5	744.3	104.20	8.143	
18,200.0	11,880.0	18,234.9	11,880.0	51.5	55.2	-90.00	-6,254.8	879.6	848.5	742.9	105.59	8.036	
18,300.0	11,880.0	18,334.9	11,880.0	52.2	55.9	-90.00	-6,354.8	880.2	848.5	741.5	106.98	7.931	
18,400.0	11,880.0	18,434.9	11,880.0	53.0	56.6	-90.00	-6,454.8	880.9	848.5	740.1	108.38	7.829	
18,500.0	11,880.0	18,534.9	11,880.0	53.7	57.3	-90.00	-6,554.8	881.5	848.5	738.7	109.78	7.729	
18,600.0	11,880.0	18,634.9	11,880.0	54.4	58.0	-90.00	-6,654.8	882.1	848.4	737.3	111.18	7.631	
18,700.0	11,880.0	18,734.9	11,880.0	55.2	58.7	-90.00	-6,754.8	882.8	848.4	735.8	112.59	7.536	
18,800.0	11,880.0	18,834.9	11,880.0	55.9	59.3	-90.00	-6,854.8	883.4	848.4	734.4	114.00	7.442	
18,900.0	11,880.0	18,934.9	11,880.0	56.6	60.0	-90.00	-6,954.8	884.0	848.4	733.0	115.41	7.351	
19,000.0	11,880.0	19,034.9	11,880.0	57.4	60.7	-90.00	-7,054.8	884.7	848.4	731.6	116.82	7.262	
19,100.0	11,880.0	19,134.9	11,880.0	58.1	61.4	-90.00	-7,154.8	885.3	848.4	730.1	118.24	7.175	
19,200.0	11,880.0	19,234.9	11,880.0	58.9	62.1	-90.00	-7,254.8	886.0	848.4	728.7	119.65	7.090	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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	11,880.0	19,334.9	11,880.0	59.6	62.8	-90.00	-7,354.8	886.6	848.3	727.3	121.07	7.007	
19,400.0	11,880.0	19,434.9	11,880.0	60.3	63.5	-90.00	-7,454.8	887.2	848.3	725.8	122.49	6.925	
19,500.0	11,880.0	19,534.9	11,880.0	61.1	64.2	-90.00	-7,554.8	887.9	848.3	724.4	123.92	6.846	
19,600.0	11,880.0	19,634.9	11,880.0	61.8	64.9	-90.00	-7,654.8	888.5	848.3	722.9	125.34	6.768	
19,700.0	11,880.0	19,734.9	11,880.0	62.6	65.6	-90.00	-7,754.8	889.1	848.3	721.5	126.77	6.691	
19,800.0	11,880.0	19,834.9	11,880.0	63.3	66.3	-90.00	-7,854.8	889.8	848.3	720.1	128.20	6.617	
19,900.0	11,880.0	19,934.9	11,880.0	64.0	67.0	-90.00	-7,954.8	890.4	848.2	718.6	129.63	6.543	
20,000.0	11,880.0	20,034.9	11,880.0	64.8	67.7	-90.00	-8,054.8	891.0	848.2	717.2	131.07	6.472	
20,100.0	11,880.0	20,134.9	11,880.0	65.5	68.4	-90.00	-8,154.8	891.7	848.2	715.7	132.50	6.402	
20,200.0	11,880.0	20,234.9	11,880.0	66.3	69.2	-90.00	-8,254.8	892.3	848.2	714.3	133.94	6.333	
20,300.0	11,880.0	20,334.9	11,880.0	67.0	69.9	-90.00	-8,354.8	893.0	848.2	712.8	135.37	6.266	
20,400.0	11,880.0	20,434.9	11,880.0	67.8	70.6	-90.00	-8,454.8	893.6	848.2	711.4	136.81	6.200	
20,500.0	11,880.0	20,534.9	11,880.0	68.5	71.3	-90.00	-8,554.8	894.2	848.2	709.9	138.25	6.135	
20,600.0	11,880.0	20,634.9	11,880.0	69.3	72.0	-90.00	-8,654.8	894.9	848.1	708.5	139.70	6.071	
20,700.0	11,880.0	20,734.9	11,880.0	70.0	72.7	-90.00	-8,754.8	895.5	848.1	707.0	141.14	6.009	
20,800.0	11,880.0	20,834.9	11,880.0	70.7	73.4	-90.00	-8,854.8	896.1	848.1	705.5	142.58	5.948	
20,900.0	11,880.0	20,934.9	11,880.0	71.5	74.2	-90.00	-8,954.8	896.8	848.1	704.1	144.03	5.888	
21,000.0	11,880.0	21,034.9	11,880.0	72.2	74.9	-90.00	-9,054.8	897.4	848.1	702.6	145.48	5.830	
21,100.0	11,880.0	21,134.9	11,880.0	73.0	75.6	-90.00	-9,154.8	898.0	848.1	701.1	146.92	5.772	
21,200.0	11,880.0	21,234.9	11,880.0	73.7	76.3	-90.00	-9,254.8	898.7	848.1	699.7	148.37	5.716	
21,300.0	11,880.0	21,334.9	11,880.0	74.5	77.0	-90.00	-9,354.8	899.3	848.0	698.2	149.82	5.660	
21,400.0	11,880.0	21,434.9	11,880.0	75.2	77.8	-90.00	-9,454.8	900.0	848.0	696.8	151.28	5.606	
21,500.0	11,880.0	21,534.9	11,880.0	76.0	78.5	-90.00	-9,554.8	900.6	848.0	695.3	152.73	5.552	
21,600.0	11,880.0	21,634.9	11,880.0	76.7	79.2	-90.00	-9,654.8	901.2	848.0	693.8	154.18	5.500	
21,690.0	11,880.0	21,724.9	11,880.0	77.4	79.8	-90.00	-9,744.8	901.8	848.0	692.5	155.49	5.454 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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.6	1.6	3.0	3.0	90.34	-0.5	90.0	90.0				
100.0	100.0	101.6	101.6	3.0	3.0	90.34	-0.5	90.0	90.0	83.5	6.52	13.806	
200.0	200.0	201.6	201.6	3.2	3.2	90.34	-0.5	90.0	90.0	83.3	6.76	13.316	
300.0	300.0	301.6	301.6	3.3	3.3	90.34	-0.5	90.0	90.0	83.0	6.99	12.875	
400.0	400.0	401.6	401.6	3.4	3.4	90.34	-0.5	90.0	90.0	82.8	7.22	12.477	
500.0	500.0	501.6	501.6	3.5	3.5	90.34	-0.5	90.0	90.0	82.6	7.43	12.115	
600.0	600.0	601.6	601.6	3.7	3.7	90.34	-0.5	90.0	90.0	82.4	7.64	11.783	
700.0	700.0	701.6	701.6	3.8	3.8	90.34	-0.5	90.0	90.0	82.2	7.85	11.477	
800.0	800.0	801.6	801.6	3.9	3.9	90.34	-0.5	90.0	90.0	82.0	8.04	11.195	
900.0	900.0	901.6	901.6	4.0	4.0	90.34	-0.5	90.0	90.0	81.8	8.24	10.932	
1,000.0	1,000.0	1,001.6	1,001.6	4.2	4.2	90.34	-0.5	90.0	90.0	81.6	8.42	10.688	
1,100.0	1,100.0	1,101.6	1,101.6	4.3	4.3	90.34	-0.5	90.0	90.0	81.4	8.61	10.460	
1,200.0	1,200.0	1,201.6	1,201.6	4.4	4.4	90.34	-0.5	90.0	90.0	81.3	8.79	10.246	
1,300.0	1,300.0	1,301.6	1,301.6	4.5	4.5	90.34	-0.5	90.0	90.0	81.1	8.96	10.045	
1,400.0	1,400.0	1,401.6	1,401.6	4.6	4.6	90.34	-0.5	90.0	90.0	80.9	9.14	9.855	
1,466.1	1,466.1	1,467.7	1,467.7	4.7	4.7	90.34	-0.5	90.0	90.0	80.8	9.25	9.737 CC	
1,500.0	1,500.0	1,501.6	1,501.6	4.8	4.8	90.34	-0.5	90.0	90.0	80.7	9.31	9.676 ES	
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	93.28	0.1	91.2	91.3	81.8	9.50	9.609 SF	
1,700.0	1,699.8	1,697.4	1,697.3	5.2	5.0	95.11	2.0	94.5	95.0	85.1	9.85	9.644	
1,800.0	1,799.5	1,795.0	1,794.7	5.5	5.2	97.86	5.2	99.9	101.3	91.1	10.20	9.929	
1,900.0	1,898.7	1,892.3	1,891.6	5.8	5.4	101.15	9.5	107.5	110.5	99.9	10.56	10.457	
2,000.0	1,997.7	1,989.2	1,987.8	6.0	5.7	104.07	15.1	117.1	122.3	111.4	10.93	11.187	
2,100.0	2,096.8	2,084.6	2,082.4	6.3	5.8	105.82	21.6	128.9	136.4	125.2	11.23	12.150	
2,200.0	2,195.8	2,178.4	2,174.8	6.5	6.1	107.04	27.6	143.3	153.7	142.1	11.61	13.243	
2,300.0	2,294.8	2,271.0	2,265.6	6.8	6.5	107.87	33.0	160.5	174.2	162.2	12.01	14.503	
2,400.0	2,393.8	2,362.2	2,354.6	7.1	6.7	108.41	37.9	180.3	197.8	185.5	12.39	15.970	
2,500.0	2,492.9	2,458.0	2,447.5	7.5	7.1	108.78	42.7	202.9	223.4	210.6	12.82	17.431	
2,600.0	2,591.9	2,554.6	2,541.2	7.8	7.4	109.08	47.6	225.8	249.1	235.8	13.30	18.731	
2,700.0	2,690.9	2,651.3	2,635.0	8.1	7.8	109.32	52.5	248.7	274.7	260.9	13.79	19.923	
2,800.0	2,789.9	2,747.9	2,728.8	8.5	8.1	109.52	57.3	271.5	300.3	286.0	14.29	21.012	
2,900.0	2,889.0	2,844.6	2,822.6	8.8	8.5	109.68	62.2	294.4	326.0	311.2	14.81	22.008	
3,000.0	2,988.0	2,941.2	2,916.4	9.2	8.9	109.83	67.0	317.3	351.6	336.3	15.34	22.920	
3,100.0	3,087.0	3,037.9	3,010.1	9.5	9.3	109.95	71.9	340.2	377.3	361.4	15.88	23.756	
3,200.0	3,186.1	3,134.6	3,103.9	9.9	9.7	110.06	76.8	363.0	402.9	386.5	16.43	24.523	
3,300.0	3,285.1	3,231.2	3,197.7	10.3	10.1	110.16	81.6	385.9	428.6	411.6	16.99	25.229	
3,365.6	3,350.0	3,294.6	3,259.2	10.5	10.4	110.21	84.8	400.9	445.4	428.0	17.33	25.694	
3,400.0	3,384.1	3,327.9	3,291.5	10.6	10.5	110.31	86.5	408.8	454.2	436.7	17.51	25.938	
3,500.0	3,483.3	3,424.6	3,385.4	11.0	10.9	110.46	91.4	431.7	479.3	461.3	18.08	26.507	
3,600.0	3,582.8	3,521.6	3,479.4	11.4	11.4	110.42	96.2	454.6	503.9	485.2	18.66	27.003	
3,700.0	3,682.4	3,618.6	3,573.6	11.7	11.8	110.22	101.1	477.6	527.9	508.7	19.25	27.430	
3,800.0	3,782.1	3,715.6	3,667.7	12.1	12.2	109.88	106.0	500.5	551.4	531.5	19.84	27.797	
3,900.0	3,881.9	3,812.7	3,762.0	12.4	12.7	109.41	110.9	523.5	574.3	553.9	20.43	28.110	
4,000.0	3,981.9	3,909.8	3,856.2	12.7	13.1	108.82	115.8	546.5	596.8	575.7	21.03	28.375	
4,100.0	4,081.8	4,006.9	3,950.4	13.0	13.5	108.14	120.7	569.5	618.8	597.2	21.64	28.600	
4,165.6	4,147.4	4,070.6	4,012.1	13.1	13.8	105.34	123.9	584.5	633.1	611.0	22.01	28.756	
4,200.0	4,181.8	4,104.0	4,044.6	13.1	14.0	105.00	125.5	592.4	640.5	618.3	22.21	28.844	
4,300.0	4,281.8	4,201.0	4,138.7	13.2	14.4	104.06	130.4	615.4	662.3	639.5	22.82	29.026	
4,400.0	4,381.8	4,298.0	4,232.9	13.2	14.9	103.17	135.3	638.3	684.2	660.8	23.44	29.192	
4,500.0	4,481.8	4,395.1	4,327.0	13.3	15.3	102.34	140.2	661.3	706.3	682.2	24.07	29.345	
4,600.0	4,581.8	4,492.1	4,421.1	13.4	15.8	101.56	145.1	684.3	728.5	703.8	24.71	29.486	
4,700.0	4,681.8	4,589.1	4,515.3	13.4	16.2	100.83	149.9	707.2	750.9	725.5	25.35	29.618	
4,800.0	4,781.8	4,686.2	4,609.4	13.5	16.7	100.13	154.8	730.2	773.3	747.3	26.00	29.740	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.0	4,881.8	4,783.2	4,703.6	13.6	17.1	99.48	159.7	753.2	795.9	769.2	26.66	29.855		
5,000.0	4,981.8	4,880.2	4,797.7	13.6	17.6	98.86	164.6	776.1	818.5	791.2	27.32	29.964		
5,100.0	5,081.8	4,977.2	4,891.9	13.7	18.1	98.28	169.5	799.1	841.3	813.3	27.98	30.066		
5,200.0	5,181.8	5,074.3	4,986.0	13.8	18.5	97.72	174.3	822.0	864.1	835.4	28.65	30.163		
5,300.0	5,281.8	5,171.3	5,080.2	13.9	19.0	97.20	179.2	845.0	886.9	857.6	29.32	30.255		
5,400.0	5,381.8	5,268.3	5,174.3	13.9	19.4	96.70	184.1	868.0	909.9	879.9	29.99	30.342		
5,500.0	5,481.8	5,365.4	5,268.5	14.0	19.9	96.22	189.0	890.9	932.9	902.3	30.66	30.426		
5,600.0	5,581.8	5,462.4	5,362.6	14.1	20.4	95.77	193.9	913.9	956.0	924.7	31.34	30.506		
5,700.0	5,681.8	5,559.4	5,456.8	14.1	20.8	95.34	198.7	936.8	979.1	947.1	32.02	30.583		

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	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	0.8	0.8	3.0	3.0	90.35	-0.7	120.1	120.1				
100.0	100.0	100.8	100.8	3.0	3.0	90.35	-0.7	120.1	120.1	113.6	6.52	18.416	
200.0	200.0	200.8	200.8	3.2	3.2	90.35	-0.7	120.1	120.1	113.3	6.76	17.762	
300.0	300.0	300.8	300.8	3.3	3.3	90.35	-0.7	120.1	120.1	113.1	6.99	17.175	
400.0	400.0	400.8	400.8	3.4	3.4	90.35	-0.7	120.1	120.1	112.9	7.22	16.643	
500.0	500.0	500.8	500.8	3.5	3.5	90.35	-0.7	120.1	120.1	112.7	7.43	16.160	
600.0	600.0	600.8	600.8	3.7	3.7	90.35	-0.7	120.1	120.1	112.5	7.64	15.717	
700.0	700.0	700.8	700.8	3.8	3.8	90.35	-0.7	120.1	120.1	112.2	7.84	15.309	
800.0	800.0	800.8	800.8	3.9	3.9	90.35	-0.7	120.1	120.1	112.0	8.04	14.932	
900.0	900.0	900.8	900.8	4.0	4.0	90.35	-0.7	120.1	120.1	111.9	8.24	14.582	
1,000.0	1,000.0	1,000.8	1,000.8	4.2	4.2	90.35	-0.7	120.1	120.1	111.7	8.42	14.256	
1,100.0	1,100.0	1,100.8	1,100.8	4.3	4.3	90.35	-0.7	120.1	120.1	111.5	8.61	13.952	
1,200.0	1,200.0	1,200.8	1,200.8	4.4	4.4	90.35	-0.7	120.1	120.1	111.3	8.79	13.667	
1,300.0	1,300.0	1,300.8	1,300.8	4.5	4.5	90.35	-0.7	120.1	120.1	111.1	8.96	13.398	
1,400.0	1,400.0	1,400.8	1,400.8	4.6	4.6	90.35	-0.7	120.1	120.1	111.0	9.14	13.146	
1,466.4	1,466.4	1,467.2	1,467.2	4.7	4.7	90.35	-0.7	120.1	120.1	110.8	9.25	12.986 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	90.35	-0.7	120.1	120.1	110.8	9.30	12.908 ES	
1,600.0	1,600.0	1,596.7	1,596.7	5.0	4.8	93.29	-0.5	121.7	121.9	112.3	9.56	12.742 SF	
1,700.0	1,699.8	1,692.4	1,692.2	5.2	5.0	95.10	0.2	126.5	127.2	117.3	9.97	12.759	
1,800.0	1,799.5	1,787.5	1,787.0	5.5	5.2	97.77	1.3	134.4	136.4	126.0	10.38	13.135	
1,900.0	1,898.7	1,881.7	1,880.5	5.8	5.5	100.90	2.8	145.2	149.7	138.9	10.81	13.852	
2,000.0	1,997.7	1,974.9	1,972.8	6.0	5.8	103.93	4.7	159.0	166.9	155.6	11.23	14.857	
2,100.0	2,096.8	2,067.3	2,063.6	6.3	6.1	106.02	7.1	175.5	187.4	175.7	11.66	16.069	
2,200.0	2,195.8	2,158.5	2,152.8	6.5	6.4	107.36	9.8	194.7	211.0	198.9	12.10	17.439	
2,300.0	2,294.8	2,250.0	2,241.5	6.8	6.7	108.13	12.9	216.8	237.4	224.9	12.49	19.008	
2,400.0	2,393.8	2,344.4	2,332.7	7.1	7.0	108.63	16.3	241.0	265.3	252.4	12.91	20.549	
2,500.0	2,492.9	2,440.4	2,425.4	7.5	7.3	109.04	19.7	265.6	293.2	279.8	13.40	21.883	
2,600.0	2,591.9	2,536.5	2,518.2	7.8	7.7	109.38	23.2	290.2	321.1	307.2	13.90	23.096	
2,700.0	2,690.9	2,632.5	2,610.9	8.1	8.0	109.66	26.6	314.8	349.0	334.6	14.42	24.199	
2,800.0	2,789.9	2,728.5	2,703.6	8.5	8.4	109.91	30.1	339.4	376.9	362.0	14.96	25.202	
2,900.0	2,889.0	2,824.5	2,796.4	8.8	8.8	110.12	33.5	364.0	404.9	389.4	15.50	26.116	
3,000.0	2,988.0	2,920.5	2,889.1	9.2	9.2	110.30	37.0	388.6	432.8	416.8	16.06	26.949	
3,100.0	3,087.0	3,016.5	2,981.8	9.5	9.6	110.46	40.5	413.2	460.8	444.1	16.63	27.710	
3,200.0	3,186.1	3,112.5	3,074.6	9.9	10.0	110.60	43.9	437.8	488.7	471.5	17.20	28.406	
3,300.0	3,285.1	3,208.5	3,167.3	10.3	10.4	110.73	47.4	462.4	516.6	498.9	17.79	29.044	
3,365.6	3,350.0	3,271.5	3,228.1	10.5	10.7	110.80	49.6	478.6	535.0	516.8	18.15	29.468	
3,400.0	3,384.1	3,304.5	3,260.1	10.6	10.8	110.92	50.8	487.0	544.6	526.2	18.34	29.692	
3,500.0	3,483.3	3,400.7	3,353.0	11.0	11.2	111.15	54.3	511.7	572.0	553.1	18.94	30.204	
3,600.0	3,582.8	3,497.0	3,446.0	11.4	11.7	111.21	57.8	536.4	598.8	579.3	19.54	30.646	
3,700.0	3,682.4	3,593.4	3,539.1	11.7	12.1	111.13	61.2	561.1	625.1	604.9	20.15	31.027	
3,800.0	3,782.1	3,690.0	3,632.4	12.1	12.5	110.92	64.7	585.8	650.7	630.0	20.76	31.352	
3,900.0	3,881.9	3,786.6	3,725.7	12.4	13.0	110.59	68.2	610.6	675.8	654.5	21.37	31.628	
4,000.0	3,981.9	3,883.2	3,819.0	12.7	13.4	110.17	71.7	635.3	700.4	678.5	21.98	31.862	
4,100.0	4,081.8	3,979.8	3,912.3	13.0	13.8	109.66	75.2	660.1	724.5	701.9	22.60	32.059	
4,165.6	4,147.4	4,043.1	3,973.5	13.1	14.1	106.97	77.4	676.3	740.1	717.1	22.98	32.202	
4,200.0	4,181.8	4,076.4	4,005.6	13.1	14.3	106.68	78.6	684.9	748.2	725.1	23.18	32.284	
4,300.0	4,281.8	4,173.0	4,098.9	13.2	14.7	105.89	82.1	709.6	772.0	748.2	23.79	32.449	
4,400.0	4,381.8	4,269.6	4,192.2	13.2	15.2	105.14	85.6	734.4	795.8	771.4	24.41	32.599	
4,500.0	4,481.8	4,366.2	4,285.5	13.3	15.6	104.43	89.1	759.1	819.8	794.8	25.04	32.737	
4,600.0	4,581.8	4,462.8	4,378.8	13.4	16.1	103.76	92.6	783.9	843.9	818.2	25.68	32.863	
4,700.0	4,681.8	4,559.4	4,472.1	13.4	16.6	103.13	96.0	808.6	868.1	841.8	26.32	32.980	
4,800.0	4,781.8	4,656.0	4,565.4	13.5	17.0	102.53	99.5	833.4	892.4	865.4	26.97	33.088	

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 #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:		ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1											Offset Site Error:		0.0 usft	
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS											Offset Well Error:		3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	+N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)					
4,900.0	4,881.8	4,752.5	4,658.7	13.6	17.5	101.97	103.0	858.2	916.8	889.2	27.62	33.188				
5,000.0	4,981.8	4,849.1	4,752.0	13.6	17.9	101.43	106.5	882.9	941.2	913.0	28.28	33.281				
5,100.0	5,081.8	4,945.7	4,845.3	13.7	18.4	100.92	110.0	907.7	965.8	936.8	28.94	33.369				
5,200.0	5,181.8	5,042.3	4,938.6	13.8	18.9	100.44	113.4	932.4	990.4	960.8	29.61	33.451				

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

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

Offset Depths are relative to Offset Datum

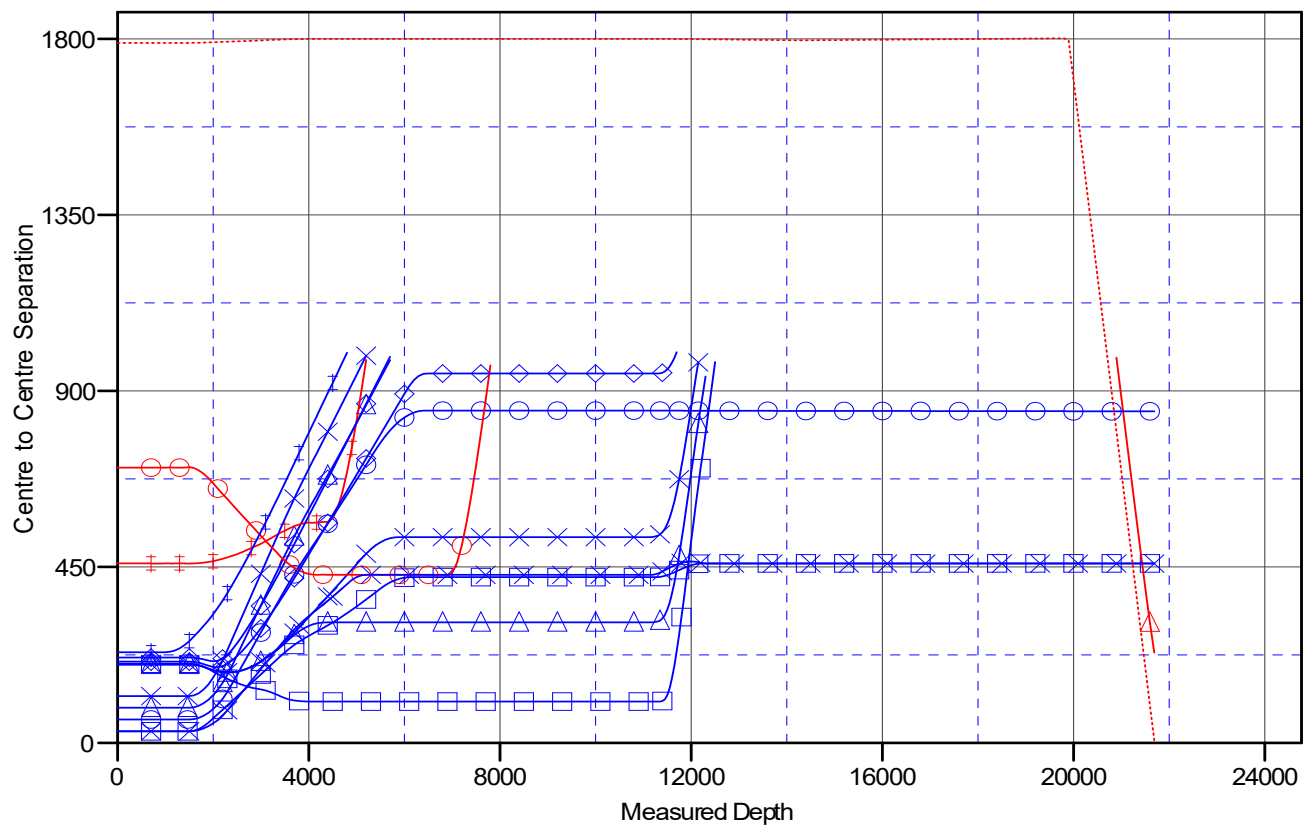
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #760H

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 #7H ST01, AWP V0	ZIA HILLS UNIT 1932 WC #713H 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 #759H 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
ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0	CONOCO A FEDERAL #1 (P&A), OWB, AWP V0	

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 1932 PROJECT

ZIA HILLS UNIT 1932 WC #760H

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 #760H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #760H	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 #760H		
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' 37.864 N
		Longitude:	103° 42' 43.680 W
		Ground Level:	3,168.6 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2023	8/1/2024	6.28	59.51	47,172.00851251

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	179.68	

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	11,325.2 PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,325.2	21,690.0 PWP1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-Si		

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #760H	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	
1,900.0	8.00	357.70	1,898.7	27.9	-1.1	2.00	2.00	0.00	357.70	
3,365.6	8.00	357.70	3,350.0	231.7	-9.3	0.00	0.00	0.00	0.00	
4,165.6	0.00	0.00	4,147.4	287.4	-11.5	1.00	-1.00	0.00	180.00	
11,325.2	0.00	0.00	11,307.0	287.4	-11.5	0.00	0.00	0.00	0.00	
12,225.2	90.00	179.63	11,880.0	-285.6	-7.8	10.00	10.00	19.96	179.63	
21,690.0	90.00	179.63	11,880.0	-9,750.2	53.8	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #760H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #760H	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	357.70	1,600.0	1.7	-0.1	-1.7	2.00	2.00	0.00
1,700.0	4.00	357.70	1,699.8	7.0	-0.3	-7.0	2.00	2.00	0.00
1,800.0	6.00	357.70	1,799.5	15.7	-0.6	-15.7	2.00	2.00	0.00
1,900.0	8.00	357.70	1,898.7	27.9	-1.1	-27.9	2.00	2.00	0.00
Start 1465.6 hold at 1900.0 MD									
2,000.0	8.00	357.70	1,997.7	41.8	-1.7	-41.8	0.00	0.00	0.00
2,100.0	8.00	357.70	2,096.8	55.7	-2.2	-55.7	0.00	0.00	0.00
2,200.0	8.00	357.70	2,195.8	69.6	-2.8	-69.6	0.00	0.00	0.00
2,300.0	8.00	357.70	2,294.8	83.5	-3.4	-83.5	0.00	0.00	0.00
2,400.0	8.00	357.70	2,393.8	97.4	-3.9	-97.4	0.00	0.00	0.00
2,500.0	8.00	357.70	2,492.9	111.3	-4.5	-111.3	0.00	0.00	0.00
2,600.0	8.00	357.70	2,591.9	125.2	-5.0	-125.2	0.00	0.00	0.00
2,700.0	8.00	357.70	2,690.9	139.1	-5.6	-139.1	0.00	0.00	0.00
2,800.0	8.00	357.70	2,789.9	153.0	-6.1	-153.0	0.00	0.00	0.00
2,900.0	8.00	357.70	2,889.0	166.9	-6.7	-167.0	0.00	0.00	0.00
3,000.0	8.00	357.70	2,988.0	180.8	-7.3	-180.9	0.00	0.00	0.00
3,100.0	8.00	357.70	3,087.0	194.7	-7.8	-194.8	0.00	0.00	0.00
3,200.0	8.00	357.70	3,186.1	208.6	-8.4	-208.7	0.00	0.00	0.00
3,300.0	8.00	357.70	3,285.1	222.5	-8.9	-222.6	0.00	0.00	0.00
3,365.6	8.00	357.70	3,350.0	231.7	-9.3	-231.7	0.00	0.00	0.00
Start Drop -1.00									
3,400.0	7.66	357.70	3,384.1	236.3	-9.5	-236.4	1.00	-1.00	0.00
3,500.0	6.66	357.70	3,483.3	248.8	-10.0	-248.8	1.00	-1.00	0.00
3,600.0	5.66	357.70	3,582.8	259.5	-10.4	-259.6	1.00	-1.00	0.00
3,700.0	4.66	357.70	3,682.4	268.5	-10.8	-268.5	1.00	-1.00	0.00
3,800.0	3.66	357.70	3,782.1	275.7	-11.1	-275.8	1.00	-1.00	0.00
3,900.0	2.66	357.70	3,881.9	281.2	-11.3	-281.3	1.00	-1.00	0.00
4,000.0	1.66	357.70	3,981.9	285.0	-11.4	-285.0	1.00	-1.00	0.00
4,100.0	0.66	357.70	4,081.8	287.0	-11.5	-287.1	1.00	-1.00	0.00
4,165.6	0.00	0.00	4,147.4	287.4	-11.5	-287.4	1.00	-1.00	0.00
Start 7159.6 hold at 4165.6 MD									
4,200.0	0.00	0.00	4,181.8	287.4	-11.5	-287.4	0.00	0.00	0.00
4,300.0	0.00	0.00	4,281.8	287.4	-11.5	-287.4	0.00	0.00	0.00
4,400.0	0.00	0.00	4,381.8	287.4	-11.5	-287.4	0.00	0.00	0.00
4,500.0	0.00	0.00	4,481.8	287.4	-11.5	-287.4	0.00	0.00	0.00
4,600.0	0.00	0.00	4,581.8	287.4	-11.5	-287.4	0.00	0.00	0.00
4,700.0	0.00	0.00	4,681.8	287.4	-11.5	-287.4	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 #760H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #760H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	0.00	0.00	4,781.8	287.4	-11.5	-287.4	0.00	0.00	0.00
4,900.0	0.00	0.00	4,881.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,981.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,100.0	0.00	0.00	5,081.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,181.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,281.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,381.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,481.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,581.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,681.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,781.8	287.4	-11.5	-287.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,881.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,981.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,081.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,181.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,281.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,381.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,481.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,581.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,681.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,781.8	287.4	-11.5	-287.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,881.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,981.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,081.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,181.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,281.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,381.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,481.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,581.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,681.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,781.8	287.4	-11.5	-287.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,881.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,981.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,081.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,181.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,281.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,381.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,481.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,581.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,681.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,781.8	287.4	-11.5	-287.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,881.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,981.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,081.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,181.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,281.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,381.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,481.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,581.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,681.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,781.8	287.4	-11.5	-287.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,881.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,981.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,100.0	0.00	0.00	10,081.8	287.4	-11.5	-287.4	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 #760H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #760H	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)
10,200.0	0.00	0.00	10,181.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,300.0	0.00	0.00	10,281.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,400.0	0.00	0.00	10,381.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,500.0	0.00	0.00	10,481.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,600.0	0.00	0.00	10,581.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,700.0	0.00	0.00	10,681.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,800.0	0.00	0.00	10,781.8	287.4	-11.5	-287.4	0.00	0.00	0.00
10,900.0	0.00	0.00	10,881.8	287.4	-11.5	-287.4	0.00	0.00	0.00
11,000.0	0.00	0.00	10,981.8	287.4	-11.5	-287.4	0.00	0.00	0.00
11,100.0	0.00	0.00	11,081.8	287.4	-11.5	-287.4	0.00	0.00	0.00
11,200.0	0.00	0.00	11,181.8	287.4	-11.5	-287.4	0.00	0.00	0.00
11,300.0	0.00	0.00	11,281.8	287.4	-11.5	-287.4	0.00	0.00	0.00
11,325.2	0.00	0.00	11,307.0	287.4	-11.5	-287.4	0.00	0.00	0.00
Start DLS 10.00 TFO 179.63									
11,350.0	2.48	179.63	11,331.8	286.8	-11.5	-286.9	10.00	10.00	0.00
11,400.0	7.48	179.63	11,381.6	282.5	-11.5	-282.6	10.00	10.00	0.00
11,450.0	12.48	179.63	11,430.9	273.8	-11.5	-273.9	10.00	10.00	0.00
11,500.0	17.48	179.63	11,479.1	260.9	-11.4	-261.0	10.00	10.00	0.00
11,550.0	22.48	179.63	11,526.1	243.8	-11.3	-243.9	10.00	10.00	0.00
11,600.0	27.48	179.63	11,571.4	222.7	-11.1	-222.8	10.00	10.00	0.00
11,650.0	32.48	179.63	11,614.7	197.8	-11.0	-197.8	10.00	10.00	0.00
11,700.0	37.48	179.63	11,655.7	169.1	-10.8	-169.2	10.00	10.00	0.00
11,750.0	42.48	179.63	11,694.0	137.0	-10.6	-137.0	10.00	10.00	0.00
11,800.0	47.48	179.63	11,729.3	101.7	-10.3	-101.7	10.00	10.00	0.00
11,850.0	52.48	179.63	11,761.5	63.4	-10.1	-63.4	10.00	10.00	0.00
11,900.0	57.48	179.63	11,790.2	22.4	-9.8	-22.5	10.00	10.00	0.00
11,950.0	62.48	179.63	11,815.2	-20.8	-9.5	20.8	10.00	10.00	0.00
12,000.0	67.48	179.63	11,836.3	-66.1	-9.2	66.1	10.00	10.00	0.00
12,050.0	72.48	179.63	11,853.4	-113.1	-8.9	113.0	10.00	10.00	0.00
12,100.0	77.48	179.63	11,866.4	-161.4	-8.6	161.3	10.00	10.00	0.00
12,150.0	82.48	179.63	11,875.1	-210.6	-8.3	210.5	10.00	10.00	0.00
12,200.0	87.48	179.63	11,879.4	-260.4	-8.0	260.3	10.00	10.00	0.00
12,225.2	90.00	179.63	11,880.0	-285.6	-7.8	285.5	10.00	10.00	0.00
Start 9464.8 hold at 12225.2 MD									
12,300.0	90.00	179.63	11,880.0	-360.4	-7.3	360.3	0.00	0.00	0.00
12,400.0	90.00	179.63	11,880.0	-460.4	-6.7	460.3	0.00	0.00	0.00
12,500.0	90.00	179.63	11,880.0	-560.4	-6.0	560.3	0.00	0.00	0.00
12,600.0	90.00	179.63	11,880.0	-660.4	-5.4	660.3	0.00	0.00	0.00
12,700.0	90.00	179.63	11,880.0	-760.4	-4.7	760.3	0.00	0.00	0.00
12,800.0	90.00	179.63	11,880.0	-860.4	-4.1	860.3	0.00	0.00	0.00
12,900.0	90.00	179.63	11,880.0	-960.4	-3.4	960.3	0.00	0.00	0.00
13,000.0	90.00	179.63	11,880.0	-1,060.4	-2.8	1,060.3	0.00	0.00	0.00
13,100.0	90.00	179.63	11,880.0	-1,160.4	-2.1	1,160.3	0.00	0.00	0.00
13,200.0	90.00	179.63	11,880.0	-1,260.4	-1.5	1,260.3	0.00	0.00	0.00
13,300.0	90.00	179.63	11,880.0	-1,360.3	-0.8	1,360.3	0.00	0.00	0.00
13,400.0	90.00	179.63	11,880.0	-1,460.3	-0.2	1,460.3	0.00	0.00	0.00
13,500.0	90.00	179.63	11,880.0	-1,560.3	0.5	1,560.3	0.00	0.00	0.00
13,600.0	90.00	179.63	11,880.0	-1,660.3	1.1	1,660.3	0.00	0.00	0.00
13,700.0	90.00	179.63	11,880.0	-1,760.3	1.8	1,760.3	0.00	0.00	0.00
13,800.0	90.00	179.63	11,880.0	-1,860.3	2.4	1,860.3	0.00	0.00	0.00
13,900.0	90.00	179.63	11,880.0	-1,960.3	3.1	1,960.3	0.00	0.00	0.00
14,000.0	90.00	179.63	11,880.0	-2,060.3	3.7	2,060.3	0.00	0.00	0.00
14,100.0	90.00	179.63	11,880.0	-2,160.3	4.4	2,160.3	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 #760H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #760H	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)
14,200.0	90.00	179.63	11,880.0	-2,260.3	5.1	2,260.3	0.00	0.00	0.00
14,300.0	90.00	179.63	11,880.0	-2,360.3	5.7	2,360.3	0.00	0.00	0.00
14,400.0	90.00	179.63	11,880.0	-2,460.3	6.4	2,460.3	0.00	0.00	0.00
14,500.0	90.00	179.63	11,880.0	-2,560.3	7.0	2,560.3	0.00	0.00	0.00
14,600.0	90.00	179.63	11,880.0	-2,660.3	7.7	2,660.3	0.00	0.00	0.00
14,700.0	90.00	179.63	11,880.0	-2,760.3	8.3	2,760.3	0.00	0.00	0.00
14,800.0	90.00	179.63	11,880.0	-2,860.3	9.0	2,860.3	0.00	0.00	0.00
14,900.0	90.00	179.63	11,880.0	-2,960.3	9.6	2,960.3	0.00	0.00	0.00
15,000.0	90.00	179.63	11,880.0	-3,060.3	10.3	3,060.3	0.00	0.00	0.00
15,100.0	90.00	179.63	11,880.0	-3,160.3	10.9	3,160.3	0.00	0.00	0.00
15,200.0	90.00	179.63	11,880.0	-3,260.3	11.6	3,260.3	0.00	0.00	0.00
15,300.0	90.00	179.63	11,880.0	-3,360.3	12.2	3,360.3	0.00	0.00	0.00
15,400.0	90.00	179.63	11,880.0	-3,460.3	12.9	3,460.3	0.00	0.00	0.00
15,500.0	90.00	179.63	11,880.0	-3,560.3	13.5	3,560.3	0.00	0.00	0.00
15,600.0	90.00	179.63	11,880.0	-3,660.3	14.2	3,660.3	0.00	0.00	0.00
15,700.0	90.00	179.63	11,880.0	-3,760.3	14.8	3,760.3	0.00	0.00	0.00
15,800.0	90.00	179.63	11,880.0	-3,860.3	15.5	3,860.3	0.00	0.00	0.00
15,900.0	90.00	179.63	11,880.0	-3,960.3	16.1	3,960.3	0.00	0.00	0.00
16,000.0	90.00	179.63	11,880.0	-4,060.3	16.8	4,060.3	0.00	0.00	0.00
16,100.0	90.00	179.63	11,880.0	-4,160.3	17.4	4,160.3	0.00	0.00	0.00
16,200.0	90.00	179.63	11,880.0	-4,260.3	18.1	4,260.3	0.00	0.00	0.00
16,300.0	90.00	179.63	11,880.0	-4,360.3	18.7	4,360.3	0.00	0.00	0.00
16,400.0	90.00	179.63	11,880.0	-4,460.3	19.4	4,460.3	0.00	0.00	0.00
16,500.0	90.00	179.63	11,880.0	-4,560.3	20.0	4,560.3	0.00	0.00	0.00
16,600.0	90.00	179.63	11,880.0	-4,660.3	20.7	4,660.3	0.00	0.00	0.00
16,700.0	90.00	179.63	11,880.0	-4,760.3	21.3	4,760.3	0.00	0.00	0.00
16,800.0	90.00	179.63	11,880.0	-4,860.3	22.0	4,860.3	0.00	0.00	0.00
16,900.0	90.00	179.63	11,880.0	-4,960.3	22.6	4,960.3	0.00	0.00	0.00
17,000.0	90.00	179.63	11,880.0	-5,060.3	23.3	5,060.3	0.00	0.00	0.00
17,100.0	90.00	179.63	11,880.0	-5,160.3	23.9	5,160.3	0.00	0.00	0.00
17,200.0	90.00	179.63	11,880.0	-5,260.3	24.6	5,260.3	0.00	0.00	0.00
17,300.0	90.00	179.63	11,880.0	-5,360.3	25.2	5,360.3	0.00	0.00	0.00
17,400.0	90.00	179.63	11,880.0	-5,460.3	25.9	5,460.3	0.00	0.00	0.00
17,500.0	90.00	179.63	11,880.0	-5,560.3	26.5	5,560.3	0.00	0.00	0.00
17,600.0	90.00	179.63	11,880.0	-5,660.3	27.2	5,660.3	0.00	0.00	0.00
17,700.0	90.00	179.63	11,880.0	-5,760.3	27.8	5,760.3	0.00	0.00	0.00
17,800.0	90.00	179.63	11,880.0	-5,860.3	28.5	5,860.3	0.00	0.00	0.00
17,900.0	90.00	179.63	11,880.0	-5,960.3	29.1	5,960.3	0.00	0.00	0.00
18,000.0	90.00	179.63	11,880.0	-6,060.2	29.8	6,060.3	0.00	0.00	0.00
18,100.0	90.00	179.63	11,880.0	-6,160.2	30.5	6,160.3	0.00	0.00	0.00
18,200.0	90.00	179.63	11,880.0	-6,260.2	31.1	6,260.3	0.00	0.00	0.00
18,300.0	90.00	179.63	11,880.0	-6,360.2	31.8	6,360.3	0.00	0.00	0.00
18,400.0	90.00	179.63	11,880.0	-6,460.2	32.4	6,460.3	0.00	0.00	0.00
18,500.0	90.00	179.63	11,880.0	-6,560.2	33.1	6,560.3	0.00	0.00	0.00
18,600.0	90.00	179.63	11,880.0	-6,660.2	33.7	6,660.3	0.00	0.00	0.00
18,700.0	90.00	179.63	11,880.0	-6,760.2	34.4	6,760.3	0.00	0.00	0.00
18,800.0	90.00	179.63	11,880.0	-6,860.2	35.0	6,860.3	0.00	0.00	0.00
18,900.0	90.00	179.63	11,880.0	-6,960.2	35.7	6,960.3	0.00	0.00	0.00
19,000.0	90.00	179.63	11,880.0	-7,060.2	36.3	7,060.3	0.00	0.00	0.00
19,100.0	90.00	179.63	11,880.0	-7,160.2	37.0	7,160.3	0.00	0.00	0.00
19,200.0	90.00	179.63	11,880.0	-7,260.2	37.6	7,260.3	0.00	0.00	0.00
19,300.0	90.00	179.63	11,880.0	-7,360.2	38.3	7,360.3	0.00	0.00	0.00
19,400.0	90.00	179.63	11,880.0	-7,460.2	38.9	7,460.3	0.00	0.00	0.00
19,500.0	90.00	179.63	11,880.0	-7,560.2	39.6	7,560.3	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 #760H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #760H	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)	
19,600.0	90.00	179.63	11,880.0	-7,660.2	40.2	7,660.3	0.00	0.00	0.00	
19,700.0	90.00	179.63	11,880.0	-7,760.2	40.9	7,760.3	0.00	0.00	0.00	
19,800.0	90.00	179.63	11,880.0	-7,860.2	41.5	7,860.3	0.00	0.00	0.00	
19,900.0	90.00	179.63	11,880.0	-7,960.2	42.2	7,960.3	0.00	0.00	0.00	
20,000.0	90.00	179.63	11,880.0	-8,060.2	42.8	8,060.3	0.00	0.00	0.00	
20,100.0	90.00	179.63	11,880.0	-8,160.2	43.5	8,160.3	0.00	0.00	0.00	
20,200.0	90.00	179.63	11,880.0	-8,260.2	44.1	8,260.3	0.00	0.00	0.00	
20,300.0	90.00	179.63	11,880.0	-8,360.2	44.8	8,360.3	0.00	0.00	0.00	
20,400.0	90.00	179.63	11,880.0	-8,460.2	45.4	8,460.3	0.00	0.00	0.00	
20,500.0	90.00	179.63	11,880.0	-8,560.2	46.1	8,560.3	0.00	0.00	0.00	
20,600.0	90.00	179.63	11,880.0	-8,660.2	46.7	8,660.3	0.00	0.00	0.00	
20,700.0	90.00	179.63	11,880.0	-8,760.2	47.4	8,760.3	0.00	0.00	0.00	
20,800.0	90.00	179.63	11,880.0	-8,860.2	48.0	8,860.3	0.00	0.00	0.00	
20,900.0	90.00	179.63	11,880.0	-8,960.2	48.7	8,960.3	0.00	0.00	0.00	
21,000.0	90.00	179.63	11,880.0	-9,060.2	49.3	9,060.3	0.00	0.00	0.00	
21,100.0	90.00	179.63	11,880.0	-9,160.2	50.0	9,160.3	0.00	0.00	0.00	
21,200.0	90.00	179.63	11,880.0	-9,260.2	50.6	9,260.3	0.00	0.00	0.00	
21,300.0	90.00	179.63	11,880.0	-9,360.2	51.3	9,360.3	0.00	0.00	0.00	
21,400.0	90.00	179.63	11,880.0	-9,460.2	51.9	9,460.3	0.00	0.00	0.00	
21,500.0	90.00	179.63	11,880.0	-9,560.2	52.6	9,560.3	0.00	0.00	0.00	
21,600.0	90.00	179.63	11,880.0	-9,660.2	53.2	9,660.3	0.00	0.00	0.00	
21,690.0	90.00	179.63	11,880.0	-9,750.2	53.8	9,750.3	0.00	0.00	0.00	
TD at 21690.0										

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
LTP (ZHU 1932 WC #76 - plan misses target center by 7.2usft at 21690.0usft MD (11880.0 TVD, -9750.2 N, 53.8 E) - Point	0.00	0.00	11,880.0	-9,757.3	53.9	364,412.05	692,567.42	32° 0' 1.301 N	103° 42' 43.705 W
PBHL (ZHU 1932 WC #76 - plan misses target center by 57.2usft at 21690.0usft MD (11880.0 TVD, -9750.2 N, 53.8 E) - Rectangle (sides W100.0 H10,092.5 D20.0)	0.00	179.63	11,880.0	-9,807.3	54.2	364,362.05	692,567.70	32° 0' 0.806 N	103° 42' 43.705 W
FTP (ZHU 1932 WC #76 - plan misses target center by 235.7usft at 11776.9usft MD (11713.4 TVD, 118.4 N, -10.4 E) - Circle (radius 50.0)	0.00	0.00	11,880.0	285.1	-11.4	374,454.49	692,502.14	32° 1' 40.686 N	103° 42' 43.793 W

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
1,900.0	1,898.7	27.9	-1.1	Start 1465.6 hold at 1900.0 MD	
3,365.6	3,350.0	231.7	-9.3	Start Drop -1.00	
4,165.6	4,147.4	287.4	-11.5	Start 7159.6 hold at 4165.6 MD	
11,325.2	11,307.0	287.4	-11.5	Start DLS 10.00 TFO 179.63	
12,225.2	11,880.0	-285.6	-7.8	Start 9464.8 hold at 12225.2 MD	
21,690.0	11,880.0	-9,750.2	53.8	TD at 21690.0	

Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS UNIT 1932 PROJECT
Well: ZIA HILLS UNIT 1932 WC #760H
Wellbore: OWB
Design: PWP1
GL: 3168.6
RKB=30ft @ 3198.6usft

WELL DETAILS: ZIA HILLS UNIT 1932 WC #760H

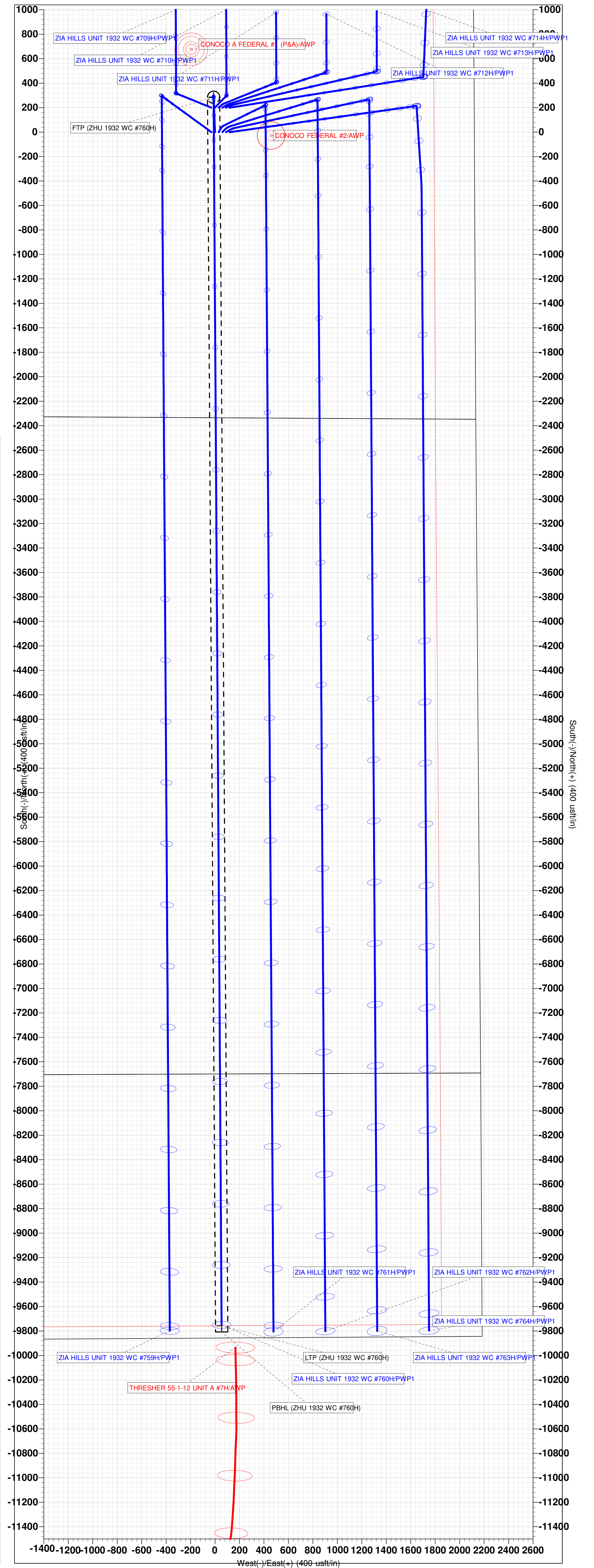
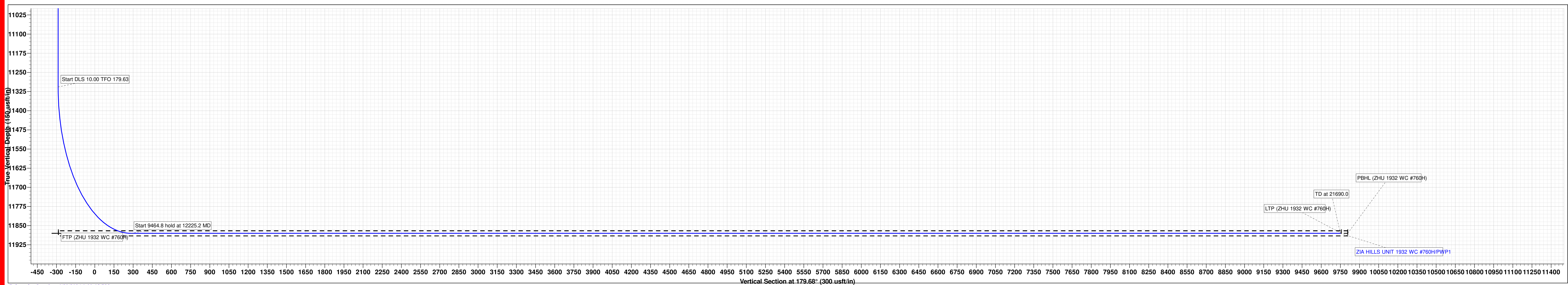
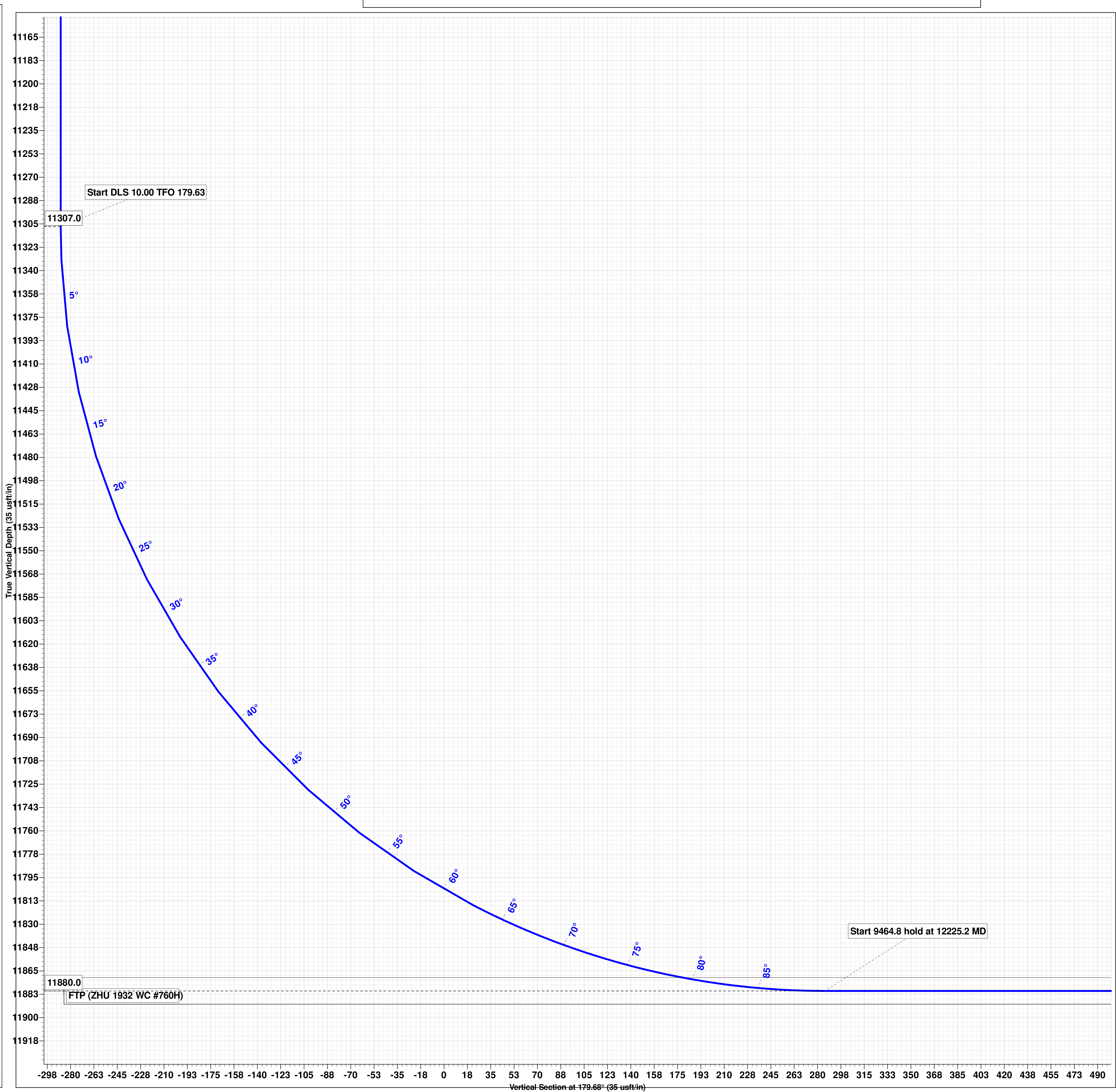
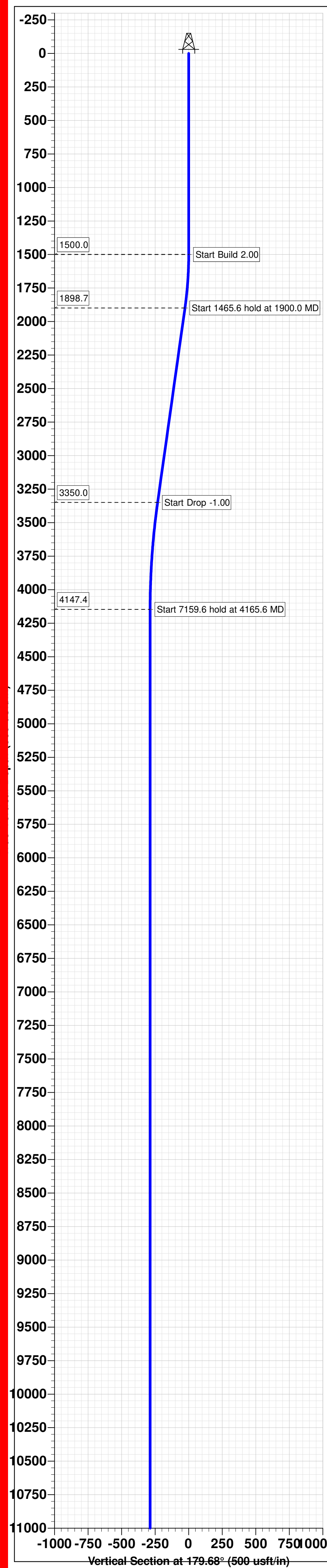
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	374169.40	692513.54	32° 1' 37.864 N	103° 42' 43.680 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (ZHU 1932 WC #760H)	11880.0	285.1	-11.4	374454.49	692502.14
LTP (ZHU 1932 WC #760H)	11880.0	-9757.4	53.9	364412.05	692567.42
PBHL (ZHU 1932 WC #760H)	11880.0	-9807.4	54.2	364362.05	692567.70

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0
1900.0	8.00	357.70	1898.7	27.9	-1.1	2.00	357.70	-27.9
3365.6	8.00	357.70	3350.0	231.7	-9.3	0.00	0.00	-231.7
4165.6	0.00	0.00	4147.4	287.4	-11.5	1.00	180.00	-287.4
11325.2	0.00	0.00	11307.0	287.4	-11.5	0.00	0.00	-287.4
12225.2	90.00	179.63	11880.0	-285.6	-7.8	10.00	179.63	285.5
21690.0	90.00	179.63	11880.0	-9750.2	53.8	0.00	0.00	9750.3



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

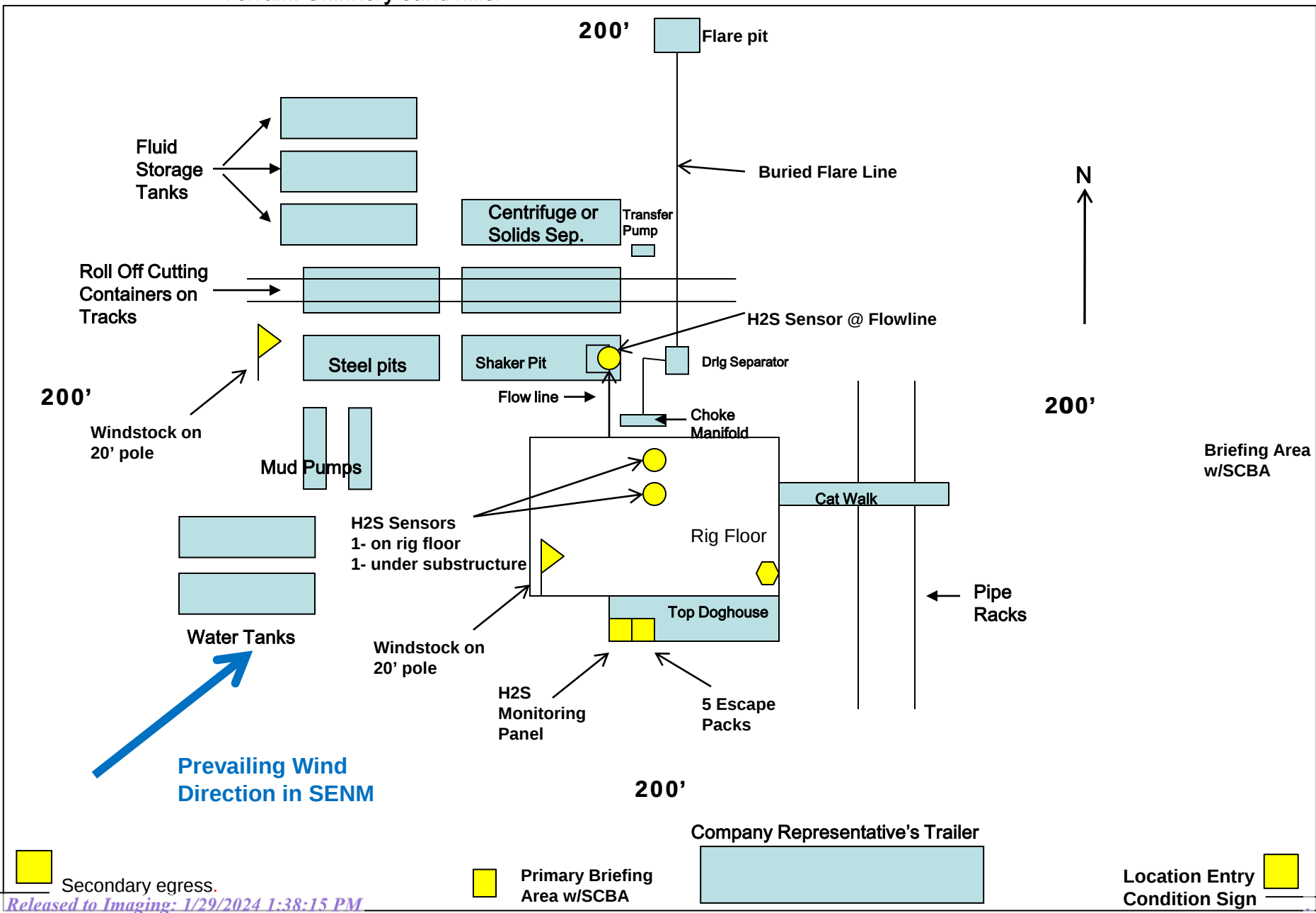
All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location 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 306337

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 306337
	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