

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. 30-025-52479
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 / 2090 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0273087 / LONG: -103.7125073 (TVD: 0 feet, MD: 0 feet)
PPP: NWSE / 2620 FSL / 1706 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0280802 / LONG: -103.711268 (TVD: 11518 feet, MD: 11585 feet)
PPP: NWNE / 1 FNL / 1706 FEL / TWSP: 26S / RANGE: 32E / SECTION: 30 / LAT: 32.0208777 / LONG: -103.7112719 (TVD: 11705 feet, MD: 14206 feet)
BHL: LOT 4 / 50 FSL / 1706 FEL / TWSP: 26S / RANGE: 32E / SECTION: 31 / LAT: 32.00035 / LONG: -103.7112426 (TVD: 11705 feet, MD: 21513 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- 30-025-52479	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 761H
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 3,168'

¹⁰ Surface Location

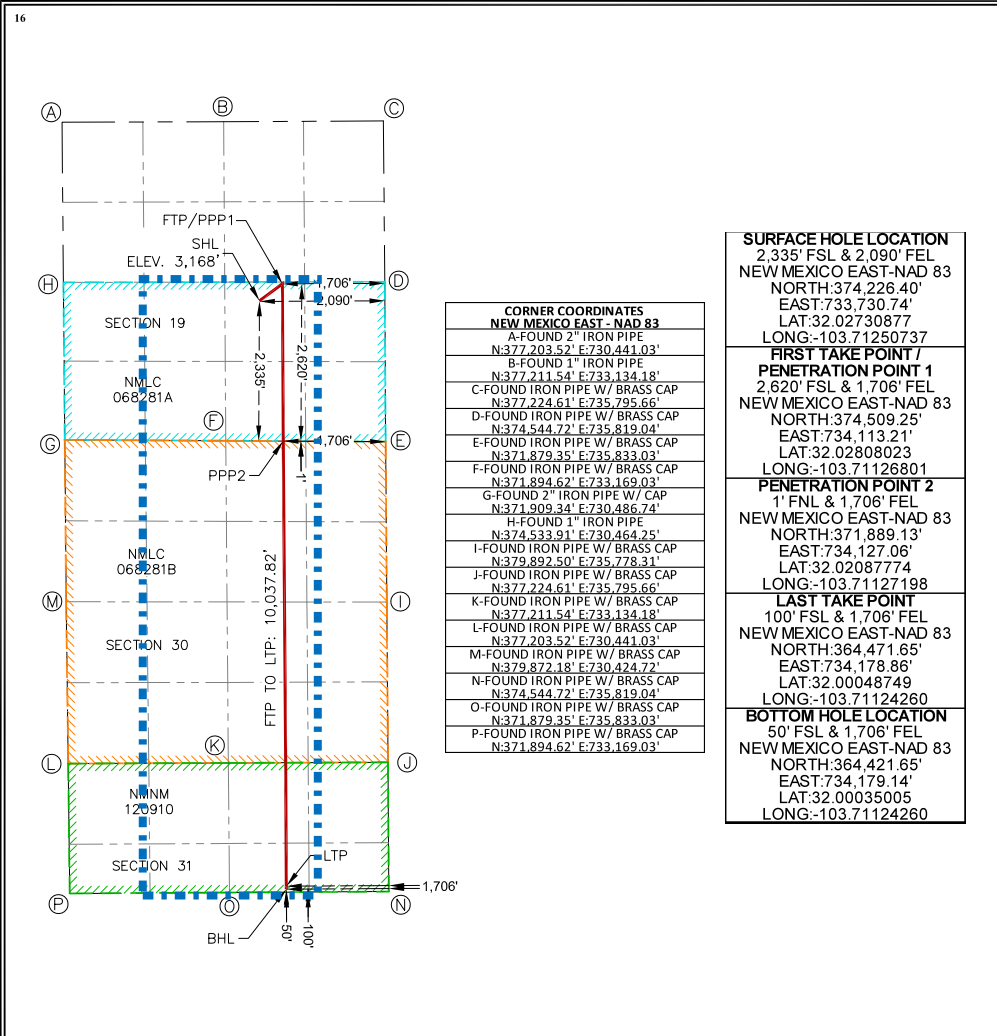
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	26-S	32-E		2,335'	SOUTH	2,090'	EAST	LEA

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	1,706'	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:730,424.22' 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 REGISTERED PROFESSIONAL SURVEYOR 12177 MARK J. MURRAY P.L.S. NO. 12177
--	---

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description Effective May 25, 2021

I. Operator: ConocoPhillips Company

OGRID: 217817

Date: 06/05/2023

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Zia Hills Unit 1932 WC 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:

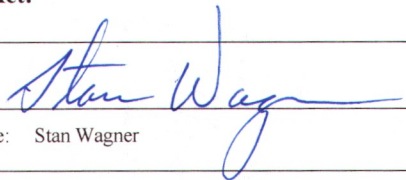
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit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

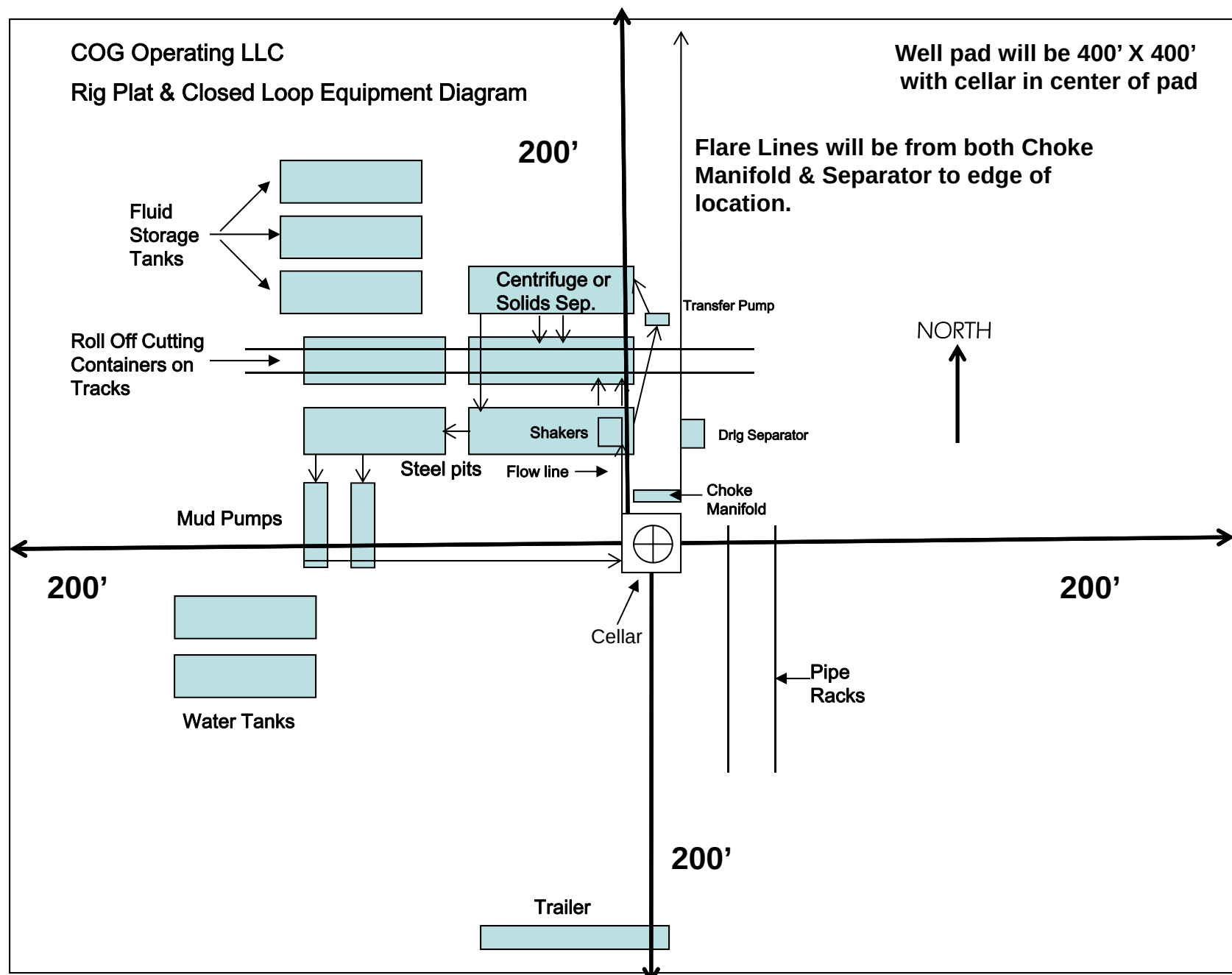


Exhibit 1

"I further certify that COG will comply with Rule 19.15.17 NMAC by using a Closed Loop System."

ConocoPhillips Company - Zia Hills Unit 1932 WC 761H

1. Geologic Formations

TVD of target	11,705' EOL	Pilot hole depth	NA
MD at TD:	21,514'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1222	Water	
Top of Salt	1553	Salt	
Base of Salt	4014	Salt	
Lamar	4278	Salt Water	
Bell Canyon	4313	Salt Water	
Cherry Canyon	5204	Oil/Gas	
Brushy Canyon	6626	Oil/Gas	
Bone Spring Lime	8273	Oil/Gas	
1st Bone Spring Sand	9286	Oil/Gas	
2nd Bone Spring Sand	9969	Oil/Gas	
3rd Bone Spring Sand	11146	Oil/Gas	
Wolfcamp	11511	Target	
Wolfcamp A	11726	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.02	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.35	1.04	2.88	2.90
8.750"	8500	11061	7.625"	29.7	P110-ICY	W513	1.29	1.57	3.25	1.95
6.75"	0	10561	5.5"	23	P110-CY	BTC	1.96	2.29	3.00	3.00
6.75"	10561	21,514	5.5"	23	P110-CY	W441	1.77	2.06	2.71	2.46
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 761H

	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 761H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	810	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	662	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	922	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

If losses are encountered in the intermediate section a DV/ECP tool will be run ~50' above the Lamar Lime top, cement will be adjusted accordingly if this contingency is necessary.

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results

Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
Production	10,561'	35% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 1932 WC 761H

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 761H

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 761H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8220 psi at 11705' TVD
Abnormal Temperature	NO 175 Deg. F.

No abnormal pressure or temperature conditions are anticipated. Sufficient mud materials to maintain mud properties and weight increase requirements will be kept on location at all times.

Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

Y	Is it a walking operation?
Y	Is casing pre-set?

x	H ₂ S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 1932 PROJECT

ZIA HILLS UNIT 1932 WC #761H

OWB

PWP1

Anticollision Report

09 May, 2023

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

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

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ODELL STATE						
THRESHER 55-1-12 UNIT A #7H - ST01 - AWP	21,514.4	20,780.0	349.7	124.3	1.551	Advise and Monitor, CC, ES,
THRESHER 55-1-12 UNIT A #8H - OWB - AWP	21,514.4	20,738.0	376.2	141.6	1.603	Advise and Monitor, CC, ES,
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	21,514.4	4,368.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	21,514.4	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	21,514.4	11,350.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	21,514.4	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	21,514.4	11,400.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	21,514.4	11,300.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1	21,514.4	11,529.5				Out of Range @TD
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	21,514.4	21,581.6	848.1	692.2	5.439	SF
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	21,514.4	21,690.0	462.3	307.9	2.994	
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	21,514.4	21,782.1	458.6	301.1	2.912	SF
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	21,514.4	21,668.1	848.0	689.5	5.350	SF
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	21,514.4	21,838.4				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)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,700.0	11,705.0	20,780.0	11,724.5	72.6	159.3	106.74	-9,934.6	137.0	996.3	893.9	102.41	9.729	
20,800.0	11,705.0	20,780.0	11,724.5	73.3	159.3	106.74	-9,934.6	137.0	902.4	794.4	108.06	8.351	
20,900.0	11,705.0	20,780.0	11,724.5	74.0	159.3	106.74	-9,934.6	137.0	810.0	694.7	115.25	7.028	
21,000.0	11,705.0	20,780.0	11,724.5	74.8	159.3	106.74	-9,934.6	137.0	719.5	595.0	124.50	5.779	
21,100.0	11,705.0	20,780.0	11,724.5	75.5	159.3	106.74	-9,934.6	137.0	632.0	495.5	136.52	4.629	
21,200.0	11,705.0	20,780.0	11,724.5	76.3	159.3	106.74	-9,934.6	137.0	548.7	396.6	152.17	3.606	
21,300.0	11,705.0	20,780.0	11,724.5	77.0	159.3	106.74	-9,934.6	137.0	472.0	299.7	172.24	2.740	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ODELL STATE - THRESHER 55-1-12 UNIT A #7H - ST01 - AWP													Offset Site Error:	0.0 usft
Survey Program: 200-MWD - OWSG R1													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
21,400.0	11,705.0	20,780.0	11,724.5	77.7	159.3	106.74	-9,934.6	137.0	405.5	208.9	196.62	2.063		
21,463.5	11,705.0	20,780.0	11,724.5	78.2	159.3	106.74	-9,934.6	137.0	371.2	158.1	213.07	1.742	Advise and Monitor	
21,500.0	11,705.0	20,780.0	11,724.5	78.5	159.3	106.74	-9,934.6	137.0	355.2	133.1	222.02	1.600	Advise and Monitor	
21,513.5	11,705.0	20,780.0	11,724.5	78.6	159.3	106.74	-9,934.6	137.0	350.0	124.9	225.13	1.555	Advise and Monitor	
21,514.4	11,705.0	20,780.0	11,724.5	78.6	159.3	106.74	-9,934.6	137.0	349.7	124.3	225.39	1.551	Advise and Monitor, CC, ES, SF	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ODELL STATE - THRESHER 55-1-12 UNIT A #8H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program: 200-MWD - OWSG R1											Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
20,800.0	11,705.0	20,755.0	11,646.5	73.3	159.3	-91.72	-9,934.7	801.6	916.7	790.4	126.28	7.259
20,900.0	11,705.0	20,755.0	11,646.5	74.0	159.3	-91.72	-9,934.7	801.6	825.3	690.9	134.41	6.140
21,000.0	11,705.0	20,755.0	11,646.5	74.8	159.3	-91.72	-9,934.7	801.6	736.1	591.6	144.53	5.093
21,100.0	11,705.0	20,755.0	11,646.5	75.5	159.3	-91.72	-9,934.7	801.6	650.1	492.9	157.20	4.136
21,200.0	11,705.0	20,755.0	11,646.5	76.3	159.3	-91.72	-9,934.7	801.6	568.7	395.7	173.01	3.287
21,300.0	11,705.0	20,755.0	11,646.5	77.0	159.3	-91.72	-9,934.7	801.6	494.2	301.9	192.30	2.570
21,400.0	11,705.0	20,755.0	11,646.5	77.7	159.3	-91.72	-9,934.7	801.6	430.2	215.9	214.27	2.008
21,463.5	11,705.0	20,755.0	11,646.5	78.2	159.3	-91.72	-9,934.7	801.6	397.2	169.1	228.14	1.741 Advise and Monitor
21,500.0	11,705.0	20,751.3	11,646.5	78.5	159.2	-91.72	-9,938.1	800.2	381.9	147.4	234.50	1.628 Advise and Monitor
21,513.5	11,705.0	20,738.8	11,646.4	78.6	159.0	-91.74	-9,949.6	795.4	376.6	142.2	234.32	1.607 Advise and Monitor
21,514.4	11,705.0	20,738.0	11,646.4	78.6	159.0	-91.74	-9,950.3	795.1	376.2	141.6	234.67	1.603 Advise and Monitor, CC, ES, SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	93.66	-27.4	428.0	429.2				
100.0	100.0	83.7	83.7	3.0	10.0	93.66	-27.4	428.0	428.9	413.8	15.14	28.337	
200.0	200.0	183.7	183.7	3.2	10.2	93.66	-27.4	428.0	428.9	413.6	15.35	27.942	
300.0	300.0	283.7	283.7	3.3	10.4	93.66	-27.4	428.0	428.9	413.2	15.68	27.354	
400.0	400.0	383.7	383.7	3.4	10.7	93.66	-27.4	428.0	428.9	412.8	16.12	26.609	
500.0	500.0	483.7	483.7	3.5	11.0	93.66	-27.4	428.0	428.9	412.3	16.66	25.748	
600.0	600.0	583.7	583.7	3.7	12.0	93.66	-27.4	428.0	428.9	410.9	17.99	23.838	
700.0	700.0	683.7	683.7	3.8	13.2	93.66	-27.4	428.0	428.9	409.2	19.69	21.779	
752.8	752.8	736.5	736.5	3.9	14.0	93.55	-26.6	428.0	428.9	408.2	20.70	20.722	
800.0	800.0	783.7	783.7	3.9	14.7	93.56	-26.6	428.0	428.9	407.2	21.64	19.816	
900.0	900.0	883.6	883.6	4.0	16.2	93.59	-26.9	428.0	428.9	405.1	23.78	18.037	
1,000.0	1,000.0	983.8	983.7	4.2	17.9	93.66	-27.4	428.0	428.9	402.9	26.06	16.460	
1,100.0	1,100.0	1,083.8	1,083.7	4.3	19.7	93.66	-27.4	428.0	428.9	400.4	28.53	15.032	
1,125.5	1,125.5	1,109.2	1,109.2	4.3	20.1	93.60	-26.9	428.0	428.9	399.7	29.18	14.699	
1,200.0	1,200.0	1,183.6	1,183.5	4.4	21.5	93.63	-27.2	428.0	428.9	397.8	31.09	13.795	
1,300.0	1,300.0	1,283.8	1,283.7	4.5	23.5	93.66	-27.4	428.0	428.9	395.0	33.87	12.662	
1,400.0	1,400.0	1,383.8	1,383.7	4.6	25.6	93.66	-27.4	428.0	428.9	392.1	36.77	11.664	
1,461.7	1,461.7	1,445.5	1,445.4	4.7	26.9	93.53	-26.4	428.0	428.9	390.3	38.59	11.114	
1,500.0	1,500.0	1,483.8	1,483.7	4.8	27.8	93.53	-26.4	428.0	428.9	389.1	39.72	10.797	
1,600.0	1,600.0	1,583.7	1,583.6	4.9	29.9	63.74	-26.8	428.0	428.3	385.6	42.70	10.030	
1,700.0	1,699.9	1,683.8	1,683.6	5.1	32.1	64.32	-27.4	428.0	426.6	380.8	45.81	9.313	
1,800.0	1,799.7	1,783.6	1,783.4	5.3	34.7	65.16	-27.4	428.0	423.8	374.5	49.37	8.585	
1,900.0	1,899.3	1,883.2	1,883.0	5.5	37.2	66.34	-27.4	428.0	420.1	367.1	52.94	7.934	
2,000.0	1,998.6	1,982.3	1,982.1	5.8	39.8	67.67	-25.9	428.0	415.3	358.7	56.52	7.347	
2,033.3	2,031.6	2,015.3	2,015.0	5.8	40.7	68.28	-26.0	428.0	413.6	355.9	57.71	7.167	
2,100.0	2,097.6	2,081.1	2,080.8	6.0	42.4	59.97	-26.5	428.0	409.7	349.6	60.09	6.817	
2,200.0	2,196.7	2,180.9	2,180.5	6.3	45.0	46.71	-27.4	428.0	401.8	338.1	63.75	6.303	
2,266.5	2,262.7	2,246.8	2,246.4	6.4	46.7	38.07	-27.4	428.0	395.1	328.9	66.18	5.970	
2,300.0	2,295.8	2,280.0	2,279.5	6.5	47.6	38.49	-27.4	428.0	391.4	324.0	67.41	5.807	
2,400.0	2,394.8	2,379.0	2,378.5	6.7	50.3	39.79	-27.4	428.0	380.6	309.5	71.09	5.354	
2,500.0	2,493.9	2,477.6	2,477.1	7.0	52.9	40.86	-25.4	428.0	369.5	294.7	74.76	4.942	
2,600.0	2,592.9	2,576.0	2,575.5	7.3	55.5	42.42	-26.2	428.0	359.2	280.8	78.44	4.580	
2,700.0	2,691.9	2,676.3	2,675.6	7.6	58.2	44.15	-27.4	428.0	349.4	267.2	82.19	4.251	
2,800.0	2,790.9	2,775.3	2,774.6	8.0	60.9	45.78	-27.4	428.0	339.5	253.6	85.92	3.951	
2,900.0	2,890.0	2,874.4	2,873.7	8.3	63.5	47.50	-27.4	428.0	329.9	240.2	89.65	3.680	
3,000.0	2,989.0	2,973.1	2,972.4	8.7	66.2	49.05	-25.7	428.0	320.0	226.6	93.37	3.427	
3,100.0	3,088.0	3,071.5	3,070.8	9.0	68.8	51.05	-26.3	428.0	311.2	214.1	97.09	3.205	
3,200.0	3,187.0	3,169.9	3,169.1	9.4	71.5	53.23	-27.2	428.0	303.0	202.2	100.80	3.006	
3,300.0	3,286.1	3,270.7	3,269.8	9.8	74.8	55.45	-27.4	428.0	294.9	189.5	105.42	2.798	
3,400.0	3,385.1	3,369.7	3,368.8	10.1	78.2	57.72	-27.4	428.0	287.2	177.1	110.07	2.609	
3,500.0	3,484.1	3,468.3	3,467.4	10.5	81.5	59.75	-25.3	428.0	278.8	164.1	114.70	2.431	
3,600.0	3,583.1	3,566.3	3,565.3	10.9	84.8	62.34	-25.9	428.0	272.4	153.1	119.30	2.283	
3,700.0	3,682.2	3,664.2	3,663.2	11.3	88.1	65.16	-27.3	428.0	267.0	143.1	123.90	2.155	
3,800.0	3,781.2	3,766.4	3,764.9	11.7	92.0	68.00	-27.4	428.0	261.5	132.2	129.28	2.023	
3,900.0	3,880.2	3,865.4	3,863.9	12.1	95.7	70.86	-27.4	428.0	256.6	122.1	134.48	1.908 Advise and Monitor	
4,000.0	3,979.3	3,964.5	3,963.0	12.5	99.4	73.82	-27.4	428.0	252.3	112.6	139.68	1.806 Advise and Monitor	
4,100.0	4,078.3	4,062.9	4,061.3	12.9	103.1	76.31	-23.7	428.0	245.9	101.0	144.86	1.698 Advise and Monitor	
4,200.0	4,177.3	4,160.3	4,158.7	13.3	106.8	79.52	-24.5	428.0	243.6	93.6	149.98	1.624 Advise and Monitor	
4,300.0	4,276.3	4,257.7	4,256.0	13.7	110.5	82.89	-26.1	428.0	242.8	87.7	155.09	1.566 Advise and Monitor	
4,400.0	4,375.4	4,361.3	4,359.1	14.1	114.4	86.42	-27.4	428.0	242.6	82.1	160.51	1.512 Advise and Monitor	
4,408.7	4,384.0	4,368.0	4,365.7	14.1	114.6	86.64	-27.4	428.0	242.6	81.7	160.85	1.508 Advise and Monitor, CC, ES, SF	
4,500.0	4,474.4	4,368.0	4,365.7	14.5	114.6	86.64	-27.4	428.0	259.2	108.6	150.55	1.721 Advise and Monitor	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	4,573.4	4,368.0	4,365.7	14.9	114.6	86.64	-27.4	428.0	308.9	181.8	127.10	2.430		
4,700.0	4,672.4	4,368.0	4,365.7	15.3	114.6	86.64	-27.4	428.0	379.1	274.2	104.89	3.614		
4,796.5	4,768.0	4,368.0	4,365.7	15.7	114.6	86.64	-27.4	428.0	457.4	368.9	88.47	5.170		
4,800.0	4,771.5	4,368.0	4,365.7	15.7	114.6	86.75	-27.4	428.0	460.4	372.4	87.96	5.234		
4,900.0	4,870.7	4,368.0	4,365.7	16.3	114.6	90.40	-27.4	428.0	547.9	472.4	75.56	7.251		
5,000.0	4,970.4	4,368.0	4,365.7	16.7	114.6	94.86	-27.4	428.0	639.1	572.9	66.29	9.642		
5,100.0	5,070.2	4,368.0	4,365.7	17.0	114.6	100.06	-27.4	428.0	732.6	673.4	59.16	12.383		
5,196.5	5,166.7	4,368.0	4,365.7	17.2	114.6	169.64	-27.4	428.0	824.0	770.3	53.71	15.343		
5,200.0	5,170.2	4,368.0	4,365.7	17.2	114.6	169.64	-27.4	428.0	827.3	773.8	53.53	15.456		
5,300.0	5,270.2	4,368.0	4,365.7	17.3	114.6	169.64	-27.4	428.0	923.1	874.0	49.06	18.817		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11150-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-16.95	200.4	-61.1	209.5				
100.0	100.0	98.6	98.6	3.0	3.0	-16.95	200.4	-61.1	209.5	203.0	6.52	32.131	
200.0	200.0	198.6	198.6	3.2	3.2	-16.95	200.4	-61.1	209.5	202.8	6.77	30.955	
300.0	300.0	298.6	298.6	3.3	3.3	-16.95	200.4	-61.1	209.5	202.5	7.01	29.869	
400.0	400.0	398.6	398.6	3.4	3.4	-16.95	200.4	-61.1	209.5	202.3	7.26	28.866	
500.0	500.0	498.6	498.6	3.5	3.5	-16.95	200.4	-61.1	209.5	202.0	7.50	27.937	
600.0	600.0	598.6	598.6	3.7	3.7	-16.95	200.4	-61.1	209.5	201.8	7.74	27.072	
700.0	700.0	698.6	698.6	3.8	3.8	-16.95	200.4	-61.1	209.5	201.5	7.98	26.265	
800.0	800.0	798.6	798.6	3.9	3.9	-16.95	200.4	-61.1	209.5	201.3	8.21	25.509	
900.0	900.0	898.6	898.6	4.0	4.0	-16.95	200.4	-61.1	209.5	201.1	8.45	24.800	
1,000.0	1,000.0	998.6	998.6	4.2	4.2	-16.95	200.4	-61.1	209.5	200.8	8.68	24.133	
1,100.0	1,100.0	1,098.6	1,098.6	4.3	4.3	-16.95	200.4	-61.1	209.5	200.6	8.91	23.504	
1,200.0	1,200.0	1,198.6	1,198.6	4.4	4.4	-16.95	200.4	-61.1	209.5	200.4	9.15	22.910	
1,300.0	1,300.0	1,298.6	1,298.6	4.5	4.5	-16.95	200.4	-61.1	209.5	200.1	9.38	22.347	
1,400.0	1,400.0	1,398.6	1,398.6	4.6	4.6	-16.95	200.4	-61.1	209.5	199.9	9.61	21.813	
1,500.0	1,500.0	1,498.6	1,498.6	4.8	4.7	-16.95	200.4	-61.1	209.5	199.7	9.83	21.307 CC	
1,600.0	1,600.0	1,594.2	1,594.2	4.9	4.9	-47.53	201.0	-62.5	209.7	199.6	10.07	20.819 ES	
1,700.0	1,699.9	1,689.5	1,689.3	5.1	5.0	-49.26	202.8	-66.9	210.3	199.9	10.41	20.190	
1,800.0	1,799.7	1,784.1	1,783.6	5.3	5.3	-52.10	205.7	-74.1	211.7	201.0	10.77	19.669	
1,900.0	1,899.3	1,877.8	1,876.7	5.5	5.5	-55.93	209.7	-84.1	214.7	203.6	11.12	19.303	
2,000.0	1,998.6	1,974.7	1,972.7	5.8	5.8	-60.67	214.8	-96.6	219.4	207.9	11.48	19.107 SF	
2,033.3	2,031.6	2,007.3	2,005.0	5.8	5.9	-62.35	216.5	-100.8	221.0	209.4	11.57	19.109	
2,100.0	2,097.6	2,072.4	2,069.4	6.0	6.0	-75.19	219.9	-109.2	225.5	213.7	11.78	19.138	
2,200.0	2,196.7	2,169.8	2,165.9	6.3	6.3	-94.84	224.9	-121.7	236.7	224.4	12.24	19.343	
2,266.5	2,262.7	2,234.3	2,229.7	6.4	6.5	-107.26	228.3	-130.1	246.9	234.4	12.47	19.797	
2,300.0	2,295.8	2,266.7	2,261.8	6.5	6.6	-108.67	230.0	-134.2	252.7	240.1	12.58	20.090	
2,400.0	2,394.8	2,363.4	2,357.6	6.7	6.9	-112.53	235.0	-146.7	270.7	257.7	13.00	20.831	
2,500.0	2,493.9	2,460.2	2,453.5	7.0	7.2	-115.90	240.1	-159.2	289.9	276.4	13.46	21.543	
2,600.0	2,592.9	2,557.0	2,549.3	7.3	7.5	-118.86	245.1	-171.7	309.9	296.0	13.95	22.212	
2,700.0	2,691.9	2,653.7	2,645.1	7.6	7.8	-121.46	250.2	-184.2	330.6	316.2	14.48	22.834	
2,800.0	2,790.9	2,750.5	2,740.9	8.0	8.1	-123.75	255.2	-196.7	351.9	336.9	15.04	23.407	
2,900.0	2,890.0	2,847.3	2,836.8	8.3	8.5	-125.79	260.3	-209.2	373.8	358.1	15.62	23.932	
3,000.0	2,989.0	2,944.0	2,932.6	8.7	8.8	-127.60	265.3	-221.7	396.0	379.7	16.22	24.412	
3,100.0	3,088.0	3,040.8	3,028.4	9.0	9.2	-129.22	270.3	-234.1	418.5	401.7	16.84	24.851	
3,200.0	3,187.0	3,137.6	3,124.2	9.4	9.6	-130.68	275.4	-246.6	441.4	423.9	17.48	25.253	
3,300.0	3,286.1	3,234.3	3,220.1	9.8	9.9	-131.99	280.4	-259.1	464.4	446.3	18.13	25.621	
3,400.0	3,385.1	3,331.1	3,315.9	10.1	10.3	-133.18	285.5	-271.6	487.7	468.9	18.79	25.958	
3,500.0	3,484.1	3,427.9	3,411.7	10.5	10.7	-134.26	290.5	-284.1	511.2	491.8	19.46	26.267	
3,600.0	3,583.1	3,524.6	3,507.5	10.9	11.0	-135.25	295.6	-296.6	534.9	514.7	20.13	26.571	
3,700.0	3,682.2	3,631.5	3,613.5	11.3	11.4	-136.26	300.8	-309.5	557.8	536.9	20.87	26.732	
3,800.0	3,781.2	3,739.6	3,720.9	11.7	11.8	-137.20	305.3	-320.7	579.0	557.4	21.62	26.786	
3,900.0	3,880.2	3,848.4	3,829.2	12.1	12.2	-138.11	309.1	-330.1	598.5	576.2	22.36	26.770	
4,000.0	3,979.3	3,958.0	3,938.5	12.5	12.6	-138.98	312.1	-337.6	616.3	593.2	23.09	26.697	
4,100.0	4,078.3	4,068.3	4,048.6	12.9	13.0	-139.83	314.4	-343.2	632.3	608.5	23.79	26.577	
4,200.0	4,177.3	4,179.1	4,159.4	13.3	13.3	-140.67	315.9	-346.8	646.6	622.1	24.47	26.424	
4,300.0	4,276.3	4,290.5	4,270.8	13.7	13.6	-141.51	316.5	-348.5	659.0	633.9	25.09	26.266	
4,400.0	4,375.4	4,393.7	4,374.0	14.1	13.7	-142.28	316.6	-348.6	670.1	644.6	25.50	26.279	
4,500.0	4,474.4	4,492.7	4,473.0	14.5	13.7	-142.99	316.6	-348.6	681.2	655.3	25.90	26.300	
4,600.0	4,573.4	4,591.8	4,572.0	14.9	13.8	-143.68	316.6	-348.6	692.4	666.1	26.31	26.314	
4,700.0	4,672.4	4,690.8	4,671.1	15.3	13.9	-144.35	316.6	-348.6	703.7	677.0	26.74	26.321	
4,796.5	4,768.0	4,786.3	4,766.6	15.7	13.9	-144.98	316.6	-348.6	714.7	687.5	27.15	26.325	
4,800.0	4,771.5	4,789.8	4,770.1	15.7	13.9	-145.00	316.6	-348.6	715.1	687.9	27.16	26.326	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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 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	
4,900.0	4,870.7	4,889.1	4,869.3	16.3	14.0	-145.66	316.6	-348.6	725.0	697.3	27.72	26.157	
5,000.0	4,970.4	4,988.7	4,969.0	16.7	14.0	-146.12	316.6	-348.6	732.2	704.0	28.14	26.022	
5,100.0	5,070.2	5,088.6	5,068.8	17.0	14.1	-146.39	316.6	-348.6	736.4	707.9	28.51	25.826	
5,196.5	5,166.7	5,185.0	5,165.3	17.2	14.2	-82.47	316.6	-348.6	737.8	709.0	28.73	25.681	
5,200.0	5,170.2	5,188.5	5,168.8	17.2	14.2	-82.47	316.6	-348.6	737.8	709.0	28.73	25.679	
5,300.0	5,270.2	5,288.5	5,268.8	17.3	14.2	-82.47	316.6	-348.6	737.8	708.8	28.95	25.480	
5,400.0	5,370.2	5,388.5	5,368.8	17.4	14.3	-82.47	316.6	-348.6	737.8	708.7	29.07	25.378	
5,500.0	5,470.2	5,488.5	5,468.8	17.4	14.3	-82.47	316.6	-348.6	737.8	708.6	29.19	25.276	
5,600.0	5,570.2	5,588.5	5,568.8	17.5	14.4	-82.47	316.6	-348.6	737.8	708.5	29.31	25.174	
5,700.0	5,670.2	5,688.5	5,668.8	17.5	14.5	-82.47	316.6	-348.6	737.8	708.3	29.42	25.073	
5,800.0	5,770.2	5,788.5	5,768.8	17.6	14.5	-82.47	316.6	-348.6	737.8	708.2	29.54	24.973	
5,900.0	5,870.2	5,888.5	5,868.8	17.6	14.6	-82.47	316.6	-348.6	737.8	708.1	29.66	24.873	
6,000.0	5,970.2	5,988.5	5,968.8	17.7	14.7	-82.47	316.6	-348.6	737.8	708.0	29.78	24.773	
6,100.0	6,070.2	6,088.5	6,068.8	17.8	14.7	-82.47	316.6	-348.6	737.8	707.9	29.90	24.674	
6,200.0	6,170.2	6,188.5	6,168.8	17.8	14.8	-82.47	316.6	-348.6	737.8	707.8	30.02	24.575	
6,300.0	6,270.2	6,288.5	6,268.8	17.9	14.8	-82.47	316.6	-348.6	737.8	707.6	30.14	24.477	
6,400.0	6,370.2	6,388.5	6,368.8	17.9	14.9	-82.47	316.6	-348.6	737.8	707.5	30.26	24.379	
6,500.0	6,470.2	6,488.5	6,468.8	18.0	15.0	-82.47	316.6	-348.6	737.8	707.4	30.38	24.282	
6,600.0	6,570.2	6,588.5	6,568.8	18.0	15.0	-82.47	316.6	-348.6	737.8	707.3	30.51	24.185	
6,700.0	6,670.2	6,688.5	6,668.8	18.1	15.1	-82.47	316.6	-348.6	737.8	707.1	30.63	24.089	
6,800.0	6,770.2	6,788.5	6,768.8	18.1	15.2	-82.47	316.6	-348.6	737.8	707.0	30.75	23.993	
6,900.0	6,870.2	6,888.5	6,868.8	18.2	15.2	-82.47	316.6	-348.6	737.8	706.9	30.87	23.897	
7,000.0	6,970.2	6,988.5	6,968.8	18.2	15.3	-82.47	316.6	-348.6	737.8	706.8	31.00	23.803	
7,100.0	7,070.2	7,088.5	7,068.8	18.3	15.3	-82.47	316.6	-348.6	737.8	706.7	31.12	23.708	
7,200.0	7,170.2	7,188.5	7,168.8	18.3	15.4	-82.47	316.6	-348.6	737.8	706.5	31.24	23.614	
7,300.0	7,270.2	7,288.5	7,268.8	18.4	15.5	-82.47	316.6	-348.6	737.8	706.4	31.37	23.521	
7,400.0	7,370.2	7,388.5	7,368.8	18.4	15.5	-82.47	316.6	-348.6	737.8	706.3	31.49	23.428	
7,500.0	7,470.2	7,488.5	7,468.8	18.5	15.6	-82.47	316.6	-348.6	737.8	706.2	31.62	23.335	
7,600.0	7,570.2	7,588.5	7,568.8	18.5	15.7	-82.47	316.6	-348.6	737.8	706.0	31.74	23.243	
7,700.0	7,670.2	7,688.5	7,668.8	18.6	15.7	-82.47	316.6	-348.6	737.8	705.9	31.87	23.152	
7,800.0	7,770.2	7,788.5	7,768.8	18.7	15.8	-82.47	316.6	-348.6	737.8	705.8	31.99	23.061	
7,900.0	7,870.2	7,888.5	7,868.8	18.7	15.9	-82.47	316.6	-348.6	737.8	705.7	32.12	22.970	
8,000.0	7,970.2	7,988.5	7,968.8	18.8	15.9	-82.47	316.6	-348.6	737.8	705.5	32.24	22.880	
8,100.0	8,070.2	8,088.5	8,068.8	18.8	16.0	-82.47	316.6	-348.6	737.8	705.4	32.37	22.791	
8,200.0	8,170.2	8,188.5	8,168.8	18.9	16.1	-82.47	316.6	-348.6	737.8	705.3	32.50	22.702	
8,300.0	8,270.2	8,288.5	8,268.8	18.9	16.1	-82.47	316.6	-348.6	737.8	705.1	32.63	22.613	
8,400.0	8,370.2	8,388.5	8,368.8	19.0	16.2	-82.47	316.6	-348.6	737.8	705.0	32.75	22.525	
8,500.0	8,470.2	8,488.5	8,468.8	19.0	16.3	-82.47	316.6	-348.6	737.8	704.9	32.88	22.437	
8,600.0	8,570.2	8,588.5	8,568.8	19.1	16.3	-82.47	316.6	-348.6	737.8	704.8	33.01	22.350	
8,700.0	8,670.2	8,688.5	8,668.8	19.2	16.4	-82.47	316.6	-348.6	737.8	704.6	33.14	22.264	
8,800.0	8,770.2	8,788.5	8,768.8	19.2	16.5	-82.47	316.6	-348.6	737.8	704.5	33.27	22.177	
8,900.0	8,870.2	8,888.5	8,868.8	19.3	16.5	-82.47	316.6	-348.6	737.8	704.4	33.40	22.092	
9,000.0	8,970.2	8,988.5	8,968.8	19.3	16.6	-82.47	316.6	-348.6	737.8	704.2	33.53	22.006	
9,100.0	9,070.2	9,088.5	9,068.8	19.4	16.7	-82.47	316.6	-348.6	737.8	704.1	33.66	21.922	
9,200.0	9,170.2	9,188.5	9,168.8	19.4	16.7	-82.47	316.6	-348.6	737.8	704.0	33.78	21.837	
9,300.0	9,270.2	9,288.5	9,268.8	19.5	16.8	-82.47	316.6	-348.6	737.8	703.9	33.92	21.754	
9,400.0	9,370.2	9,388.5	9,368.8	19.6	16.9	-82.47	316.6	-348.6	737.8	703.7	34.05	21.670	
9,500.0	9,470.2	9,488.5	9,468.8	19.6	16.9	-82.47	316.6	-348.6	737.8	703.6	34.18	21.587	
9,600.0	9,570.2	9,588.5	9,568.8	19.7	17.0	-82.47	316.6	-348.6	737.8	703.5	34.31	21.505	
9,700.0	9,670.2	9,688.5	9,668.8	19.7	17.1	-82.47	316.6	-348.6	737.8	703.3	34.44	21.423	
9,800.0	9,770.2	9,788.5	9,768.8	19.8	17.1	-82.47	316.6	-348.6	737.8	703.2	34.57	21.341	
9,900.0	9,870.2	9,888.5	9,868.8	19.9	17.2	-82.47	316.6	-348.6	737.8	703.1	34.70	21.260	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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
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)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.0	9,970.2	9,988.5	9,968.8	19.9	17.3	-82.47	316.6	-348.6	737.8	702.9	34.83	21.180	
10,100.0	10,070.2	10,088.5	10,068.8	20.0	17.3	-82.47	316.6	-348.6	737.8	702.8	34.97	21.100	
10,200.0	10,170.2	10,188.5	10,168.8	20.0	17.4	-82.47	316.6	-348.6	737.8	702.7	35.10	21.020	
10,300.0	10,270.2	10,288.5	10,268.8	20.1	17.5	-82.47	316.6	-348.6	737.8	702.5	35.23	20.941	
10,400.0	10,370.2	10,388.5	10,368.8	20.2	17.5	-82.47	316.6	-348.6	737.8	702.4	35.36	20.862	
10,500.0	10,470.2	10,488.5	10,468.8	20.2	17.6	-82.47	316.6	-348.6	737.8	702.3	35.50	20.784	
10,600.0	10,570.2	10,588.5	10,568.8	20.3	17.7	-82.47	316.6	-348.6	737.8	702.1	35.63	20.706	
10,700.0	10,670.2	10,688.5	10,668.8	20.3	17.7	-82.47	316.6	-348.6	737.8	702.0	35.76	20.629	
10,800.0	10,770.2	10,788.5	10,768.8	20.4	17.8	-82.47	316.6	-348.6	737.8	701.9	35.90	20.552	
10,900.0	10,870.2	10,888.5	10,868.8	20.5	17.9	-82.47	316.6	-348.6	737.8	701.7	36.03	20.475	
11,000.0	10,970.2	10,988.5	10,968.8	20.5	18.0	-82.47	316.6	-348.6	737.8	701.6	36.17	20.399	
11,100.0	11,070.2	11,088.5	11,068.8	20.6	18.0	-82.47	316.6	-348.6	737.8	701.5	36.30	20.324	
11,141.0	11,111.2	11,129.6	11,109.8	20.6	18.0	-82.47	316.6	-348.6	737.8	701.4	36.34	20.303	
11,161.8	11,132.0	11,149.8	11,130.0	20.6	18.0	-82.47	316.6	-348.6	737.8	701.4	36.35	20.294	
11,200.0	11,170.2	11,182.7	11,163.0	20.6	18.1	98.02	317.5	-348.6	738.1	701.7	36.36	20.302	
11,250.0	11,219.9	11,224.0	11,204.1	20.6	18.1	98.52	321.4	-348.6	739.6	703.3	36.33	20.359	
11,300.0	11,268.9	11,262.6	11,242.2	20.7	18.1	99.27	327.7	-348.6	742.5	706.2	36.27	20.472	
11,350.0	11,316.8	11,300.0	11,278.6	20.7	18.1	100.21	336.2	-348.7	747.2	711.0	36.18	20.650	
11,400.0	11,363.4	11,328.2	11,305.6	20.7	18.1	100.83	344.1	-348.7	754.1	718.0	36.10	20.889	
11,450.0	11,408.2	11,350.0	11,326.2	20.8	18.1	101.04	351.2	-348.7	763.7	727.6	36.04	21.191	
11,500.0	11,450.9	11,375.4	11,349.9	20.8	18.1	101.28	360.4	-348.7	776.1	740.2	35.96	21.585	
11,550.0	11,491.2	11,400.0	11,372.4	20.8	18.1	101.29	370.4	-348.8	791.8	755.9	35.87	22.073	
11,600.0	11,528.7	11,400.0	11,372.4	20.9	18.1	99.31	370.4	-348.8	810.4	774.5	35.96	22.540	
11,650.0	11,563.3	11,414.3	11,385.3	20.9	18.2	97.97	376.6	-348.8	832.1	796.2	35.94	23.153	
11,700.0	11,594.5	11,420.3	11,390.6	20.9	18.2	95.63	379.3	-348.8	856.6	820.6	35.98	23.805	
11,750.0	11,622.2	11,423.4	11,393.4	21.0	18.2	92.68	380.7	-348.8	883.5	847.5	36.04	24.516	
11,800.0	11,646.2	11,424.0	11,393.9	21.0	18.2	89.16	381.0	-348.8	912.6	876.5	36.10	25.282	
11,850.0	11,666.3	11,422.4	11,392.5	21.1	18.2	85.14	380.2	-348.8	943.3	907.2	36.14	26.099	
11,900.0	11,682.3	11,418.9	11,389.4	21.1	18.2	80.73	378.6	-348.8	975.4	939.2	36.18	26.961	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11311-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor		
0.0	0.0	0.0	0.0	3.0	3.0	-8.83	200.3	-31.1	202.7				
100.0	100.0	98.4	98.4	3.0	3.0	-8.83	200.3	-31.1	202.7	196.2	6.52	31.092	
200.0	200.0	198.4	198.4	3.2	3.2	-8.83	200.3	-31.1	202.7	196.0	6.77	29.952	
300.0	300.0	298.4	298.4	3.3	3.3	-8.83	200.3	-31.1	202.7	195.7	7.02	28.897	
400.0	400.0	398.4	398.4	3.4	3.4	-8.83	200.3	-31.1	202.7	195.5	7.26	27.922	
500.0	500.0	498.4	498.4	3.5	3.5	-8.83	200.3	-31.1	202.7	195.2	7.50	27.017	
600.0	600.0	598.4	598.4	3.7	3.7	-8.83	200.3	-31.1	202.7	195.0	7.75	26.174	
700.0	700.0	698.4	698.4	3.8	3.8	-8.83	200.3	-31.1	202.7	194.8	7.99	25.387	
800.0	800.0	798.4	798.4	3.9	3.9	-8.83	200.3	-31.1	202.7	194.5	8.22	24.650	
900.0	900.0	898.4	898.4	4.0	4.0	-8.83	200.3	-31.1	202.7	194.3	8.46	23.958	
1,000.0	1,000.0	998.4	998.4	4.2	4.2	-8.83	200.3	-31.1	202.7	194.0	8.70	23.307	
1,100.0	1,100.0	1,098.4	1,098.4	4.3	4.3	-8.83	200.3	-31.1	202.7	193.8	8.93	22.693	
1,200.0	1,200.0	1,198.4	1,198.4	4.4	4.4	-8.83	200.3	-31.1	202.7	193.6	9.17	22.112	
1,300.0	1,300.0	1,298.4	1,298.4	4.5	4.5	-8.83	200.3	-31.1	202.7	193.3	9.40	21.562	
1,400.0	1,400.0	1,398.4	1,398.4	4.6	4.6	-8.83	200.3	-31.1	202.7	193.1	9.64	21.041	
1,500.0	1,500.0	1,498.4	1,498.4	4.8	4.7	-8.83	200.3	-31.1	202.7	192.9	9.87	20.546	
1,600.0	1,600.0	1,594.3	1,594.3	4.9	4.9	-38.70	201.5	-30.0	202.7	192.6	10.12	20.039	
1,700.0	1,699.9	1,690.2	1,690.1	5.1	5.1	-38.30	204.9	-26.7	202.7	192.2	10.47	19.349	
1,800.0	1,799.7	1,787.6	1,787.1	5.3	5.2	-37.65	210.5	-21.3	202.5	191.7	10.76	18.823	
1,900.0	1,899.3	1,887.5	1,886.7	5.5	5.4	-37.32	216.8	-15.2	200.6	189.5	11.13	18.032	
2,000.0	1,998.6	1,987.5	1,986.2	5.8	5.7	-37.45	223.1	-9.2	196.7	185.2	11.52	17.072	
2,033.3	2,031.6	2,020.7	2,019.4	5.8	5.7	-37.60	225.2	-7.1	195.0	183.3	11.62	16.776	
2,100.0	2,097.6	2,087.3	2,085.7	6.0	5.9	-47.56	229.3	-3.1	191.8	180.0	11.85	16.192	
2,200.0	2,196.7	2,187.2	2,185.2	6.3	6.1	-63.61	235.6	2.9	189.6	177.3	12.27	15.448	
2,224.7	2,221.2	2,211.8	2,209.8	6.3	6.2	-67.59	237.1	4.4	189.5	177.1	12.35	15.349 CC, ES	
2,266.5	2,262.7	2,253.6	2,251.4	6.4	6.3	-74.19	239.8	7.0	189.8	177.3	12.47	15.222	
2,300.0	2,295.8	2,287.0	2,284.7	6.5	6.4	-74.83	241.8	9.0	190.2	177.7	12.54	15.170	
2,400.0	2,394.8	2,386.8	2,384.1	6.7	6.7	-76.72	248.1	15.0	191.7	178.9	12.83	14.939	
2,500.0	2,493.9	2,486.6	2,483.5	7.0	7.0	-78.58	254.4	21.1	193.4	180.3	13.11	14.748	
2,600.0	2,592.9	2,586.4	2,582.9	7.3	7.3	-80.41	260.6	27.1	195.3	181.9	13.38	14.595	
2,700.0	2,691.9	2,686.2	2,682.3	7.6	7.6	-82.19	266.9	33.1	197.3	183.7	13.63	14.475	
2,800.0	2,790.9	2,786.0	2,781.7	8.0	7.9	-83.94	273.1	39.2	199.6	185.7	13.88	14.384	
2,900.0	2,890.0	2,885.8	2,881.1	8.3	8.2	-85.65	279.4	45.2	202.1	188.0	14.11	14.320	
3,000.0	2,989.0	2,986.2	2,981.2	8.7	8.5	-87.38	285.5	51.2	204.6	190.3	14.28	14.325	
3,100.0	3,088.0	3,087.2	3,082.0	9.0	8.8	-89.48	290.6	56.1	206.8	192.3	14.47	14.290	
3,200.0	3,187.0	3,188.0	3,182.6	9.4	9.2	-91.98	294.4	59.7	208.7	194.1	14.64	14.262	
3,300.0	3,286.1	3,288.5	3,283.0	9.8	9.4	-94.88	296.9	62.2	210.6	195.8	14.78	14.250	
3,400.0	3,385.1	3,388.6	3,383.1	10.1	9.7	-98.18	298.2	63.4	212.6	197.7	14.92	14.252	
3,500.0	3,484.1	3,488.0	3,482.5	10.5	9.8	-101.78	298.3	63.5	215.0	200.0	15.03	14.310	
3,600.0	3,583.1	3,587.0	3,581.5	10.9	9.9	-105.32	298.3	63.5	218.3	203.1	15.24	14.322	
3,700.0	3,682.2	3,686.0	3,680.5	11.3	10.0	-108.75	298.3	63.5	222.5	206.9	15.54	14.316	
3,800.0	3,781.2	3,785.0	3,779.6	11.7	10.0	-112.05	298.3	63.5	227.3	211.4	15.90	14.297	
3,900.0	3,880.2	3,884.1	3,878.6	12.1	10.1	-115.20	298.3	63.5	233.0	216.6	16.33	14.265	
4,000.0	3,979.3	3,983.1	3,977.6	12.5	10.2	-118.19	298.3	63.5	239.3	222.5	16.82	14.226	
4,100.0	4,078.3	4,082.1	4,076.7	12.9	10.3	-121.02	298.3	63.5	246.2	228.8	17.36	14.183	
4,200.0	4,177.3	4,181.2	4,175.7	13.3	10.4	-123.70	298.3	63.5	253.7	235.8	17.94	14.141	
4,300.0	4,276.3	4,280.2	4,274.7	13.7	10.5	-126.22	298.3	63.5	261.7	243.2	18.56	14.105	
4,400.0	4,375.4	4,379.2	4,373.7	14.1	10.5	-128.59	298.3	63.5	270.2	251.0	19.20	14.076	
4,500.0	4,474.4	4,478.2	4,472.8	14.5	10.6	-130.81	298.3	63.5	279.2	259.3	19.86	14.056	
4,600.0	4,573.4	4,577.3	4,571.8	14.9	10.7	-132.89	298.3	63.5	288.5	268.0	20.54	14.047	
4,700.0	4,672.4	4,676.3	4,670.8	15.3	10.8	-134.84	298.3	63.5	298.2	277.0	21.23	14.048	
4,796.5	4,768.0	4,771.8	4,766.4	15.7	10.9	-136.60	298.3	63.5	307.9	286.0	21.90	14.061	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,800.0	4,771.5	4,775.3	4,769.8	15.7	10.9	-136.67	298.3	63.5	308.2	286.3	21.92	14.063		
4,900.0	4,870.7	4,874.6	4,869.1	16.3	10.9	-138.28	298.3	63.5	317.2	294.4	22.73	13.955		
5,000.0	4,970.4	4,974.2	4,968.7	16.7	11.0	-139.38	298.3	63.5	323.6	300.3	23.31	13.882		
5,100.0	5,070.2	5,074.1	5,068.6	17.0	11.1	-140.01	298.3	63.5	327.5	303.7	23.80	13.759		
5,196.5	5,166.7	5,170.5	5,165.1	17.2	11.2	-76.21	298.3	63.5	328.8	304.7	24.07	13.657		
5,200.0	5,170.2	5,174.0	5,168.6	17.2	11.2	-76.21	298.3	63.5	328.8	304.7	24.08	13.656		
5,300.0	5,270.2	5,274.0	5,268.6	17.3	11.3	-76.21	298.3	63.5	328.8	304.4	24.35	13.502		
5,400.0	5,370.2	5,374.0	5,368.6	17.4	11.4	-76.21	298.3	63.5	328.8	304.3	24.50	13.422		
5,500.0	5,470.2	5,474.0	5,468.6	17.4	11.5	-76.21	298.3	63.5	328.8	304.1	24.64	13.342		
5,600.0	5,570.2	5,574.0	5,568.6	17.5	11.5	-76.21	298.3	63.5	328.8	304.0	24.79	13.264		
5,700.0	5,670.2	5,674.0	5,668.6	17.5	11.6	-76.21	298.3	63.5	328.8	303.8	24.93	13.186		
5,800.0	5,770.2	5,774.0	5,768.6	17.6	11.7	-76.21	298.3	63.5	328.8	303.7	25.08	13.109		
5,900.0	5,870.2	5,874.0	5,868.6	17.6	11.8	-76.21	298.3	63.5	328.8	303.6	25.23	13.033		
6,000.0	5,970.2	5,974.0	5,968.6	17.7	11.9	-76.21	298.3	63.5	328.8	303.4	25.37	12.958		
6,100.0	6,070.2	6,074.0	6,068.6	17.8	12.0	-76.21	298.3	63.5	328.8	303.3	25.52	12.883		
6,200.0	6,170.2	6,174.0	6,168.6	17.8	12.0	-76.21	298.3	63.5	328.8	303.1	25.67	12.810		
6,300.0	6,270.2	6,274.0	6,268.6	17.9	12.1	-76.21	298.3	63.5	328.8	303.0	25.81	12.737		
6,400.0	6,370.2	6,374.0	6,368.6	17.9	12.2	-76.21	298.3	63.5	328.8	302.8	25.96	12.664		
6,500.0	6,470.2	6,474.0	6,468.6	18.0	12.3	-76.21	298.3	63.5	328.8	302.7	26.11	12.593		
6,600.0	6,570.2	6,574.0	6,568.6	18.0	12.4	-76.21	298.3	63.5	328.8	302.5	26.26	12.522		
6,700.0	6,670.2	6,674.0	6,668.6	18.1	12.4	-76.21	298.3	63.5	328.8	302.4	26.40	12.452		
6,800.0	6,770.2	6,774.0	6,768.6	18.1	12.5	-76.21	298.3	63.5	328.8	302.2	26.55	12.383		
6,900.0	6,870.2	6,874.0	6,868.6	18.2	12.6	-76.21	298.3	63.5	328.8	302.1	26.70	12.314		
7,000.0	6,970.2	6,974.0	6,968.6	18.2	12.7	-76.21	298.3	63.5	328.8	301.9	26.85	12.246		
7,100.0	7,070.2	7,074.0	7,068.6	18.3	12.8	-76.21	298.3	63.5	328.8	301.8	27.00	12.179		
7,200.0	7,170.2	7,174.0	7,168.6	18.3	12.9	-76.21	298.3	63.5	328.8	301.6	27.15	12.112		
7,300.0	7,270.2	7,274.0	7,268.6	18.4	12.9	-76.21	298.3	63.5	328.8	301.5	27.29	12.046		
7,400.0	7,370.2	7,374.0	7,368.6	18.4	13.0	-76.21	298.3	63.5	328.8	301.3	27.44	11.981		
7,500.0	7,470.2	7,474.0	7,468.6	18.5	13.1	-76.21	298.3	63.5	328.8	301.2	27.59	11.916		
7,600.0	7,570.2	7,574.0	7,568.6	18.5	13.2	-76.21	298.3	63.5	328.8	301.0	27.74	11.852		
7,700.0	7,670.2	7,674.0	7,668.6	18.6	13.3	-76.21	298.3	63.5	328.8	300.9	27.89	11.789		
7,800.0	7,770.2	7,774.0	7,768.6	18.7	13.4	-76.21	298.3	63.5	328.8	300.7	28.04	11.726		
7,900.0	7,870.2	7,874.0	7,868.6	18.7	13.4	-76.21	298.3	63.5	328.8	300.6	28.19	11.664		
8,000.0	7,970.2	7,974.0	7,968.6	18.8	13.5	-76.21	298.3	63.5	328.8	300.4	28.34	11.602		
8,100.0	8,070.2	8,074.0	8,068.6	18.8	13.6	-76.21	298.3	63.5	328.8	300.3	28.49	11.541		
8,200.0	8,170.2	8,174.0	8,168.6	18.9	13.7	-76.21	298.3	63.5	328.8	300.1	28.64	11.481		
8,300.0	8,270.2	8,274.0	8,268.6	18.9	13.8	-76.21	298.3	63.5	328.8	300.0	28.79	11.421		
8,400.0	8,370.2	8,374.0	8,368.6	19.0	13.9	-76.21	298.3	63.5	328.8	299.8	28.94	11.362		
8,500.0	8,470.2	8,474.0	8,468.6	19.0	13.9	-76.21	298.3	63.5	328.8	299.7	29.09	11.303		
8,600.0	8,570.2	8,574.0	8,568.6	19.1	14.0	-76.21	298.3	63.5	328.8	299.5	29.24	11.245		
8,700.0	8,670.2	8,674.0	8,668.6	19.2	14.1	-76.21	298.3	63.5	328.8	299.4	29.39	11.187		
8,800.0	8,770.2	8,774.0	8,768.6	19.2	14.2	-76.21	298.3	63.5	328.8	299.2	29.54	11.130		
8,900.0	8,870.2	8,874.0	8,868.6	19.3	14.3	-76.21	298.3	63.5	328.8	299.1	29.69	11.074		
9,000.0	8,970.2	8,974.0	8,968.6	19.3	14.4	-76.21	298.3	63.5	328.8	298.9	29.84	11.018		
9,100.0	9,070.2	9,074.0	9,068.6	19.4	14.4	-76.21	298.3	63.5	328.8	298.8	29.99	10.962		
9,200.0	9,170.2	9,174.0	9,168.6	19.4	14.5	-76.21	298.3	63.5	328.8	298.6	30.14	10.908		
9,300.0	9,270.2	9,274.0	9,268.6	19.5	14.6	-76.21	298.3	63.5	328.8	298.5	30.29	10.853		
9,400.0	9,370.2	9,374.0	9,368.6	19.6	14.7	-76.21	298.3	63.5	328.8	298.3	30.44	10.799		
9,500.0	9,470.2	9,474.0	9,468.6	19.6	14.8	-76.21	298.3	63.5	328.8	298.2	30.60	10.746		
9,600.0	9,570.2	9,574.0	9,568.6	19.7	14.9	-76.21	298.3	63.5	328.8	298.0	30.75	10.693		
9,700.0	9,670.2	9,674.0	9,668.6	19.7	14.9	-76.21	298.3	63.5	328.8	297.9	30.90	10.641		
9,800.0	9,770.2	9,774.0	9,768.6	19.8	15.0	-76.21	298.3	63.5	328.8	297.7	31.05	10.589		

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11311-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.0	9,870.2	9,874.0	9,868.6	19.9	15.1	-76.21	298.3	63.5	328.8	297.6	31.20	10.537	
10,000.0	9,970.2	9,974.0	9,968.6	19.9	15.2	-76.21	298.3	63.5	328.8	297.4	31.35	10.486	
10,100.0	10,070.2	10,074.0	10,068.6	20.0	15.3	-76.21	298.3	63.5	328.8	297.3	31.51	10.436	
10,200.0	10,170.2	10,174.0	10,168.6	20.0	15.4	-76.21	298.3	63.5	328.8	297.1	31.66	10.385	
10,300.0	10,270.2	10,274.0	10,268.6	20.1	15.4	-76.21	298.3	63.5	328.8	297.0	31.81	10.336	
10,400.0	10,370.2	10,374.0	10,368.6	20.2	15.5	-76.21	298.3	63.5	328.8	296.8	31.96	10.287	
10,500.0	10,470.2	10,474.0	10,468.6	20.2	15.6	-76.21	298.3	63.5	328.8	296.7	32.11	10.238	
10,600.0	10,570.2	10,574.0	10,568.6	20.3	15.7	-76.21	298.3	63.5	328.8	296.5	32.27	10.190	
10,700.0	10,670.2	10,674.0	10,668.6	20.3	15.8	-76.21	298.3	63.5	328.8	296.4	32.42	10.142	
10,800.0	10,770.2	10,774.0	10,768.6	20.4	15.8	-76.21	298.3	63.5	328.8	296.2	32.57	10.094	
10,900.0	10,870.2	10,874.0	10,868.6	20.5	15.9	-76.21	298.3	63.5	328.8	296.1	32.72	10.047	
11,000.0	10,970.2	10,974.0	10,968.6	20.5	16.0	-76.21	298.3	63.5	328.8	295.9	32.88	10.000	
11,100.0	11,070.2	11,074.0	11,068.6	20.6	16.1	-76.21	298.3	63.5	328.8	295.8	33.03	9.954	
11,161.8	11,132.0	11,135.9	11,130.4	20.6	16.1	-76.21	298.3	63.5	328.8	295.7	33.11	9.930 SF	
11,200.0	11,170.2	11,174.0	11,168.5	20.6	16.2	104.35	298.3	63.5	329.1	296.0	33.13	9.935	
11,250.0	11,219.9	11,223.7	11,218.2	20.6	16.2	105.13	298.3	63.5	330.5	297.4	33.07	9.995	
11,300.0	11,268.9	11,272.7	11,267.2	20.7	16.3	106.47	298.3	63.5	333.2	300.3	32.92	10.121	
11,350.0	11,316.8	11,319.0	11,313.6	20.7	16.3	108.18	298.4	63.5	337.6	304.9	32.70	10.325	
11,400.0	11,363.4	11,356.8	11,351.2	20.7	16.3	109.95	300.2	63.5	344.9	312.5	32.38	10.652	
11,450.0	11,408.2	11,390.4	11,384.7	20.8	16.4	111.72	303.9	63.5	356.0	324.0	32.04	11.110	
11,500.0	11,450.9	11,419.5	11,413.3	20.8	16.4	113.10	308.7	63.5	371.7	339.9	31.79	11.693	
11,550.0	11,491.2	11,450.0	11,443.2	20.8	16.4	114.52	315.2	63.5	392.3	360.7	31.59	12.417	
11,600.0	11,528.7	11,463.5	11,456.2	20.9	16.4	113.52	318.6	63.5	417.6	385.9	31.72	13.166	
11,650.0	11,563.3	11,478.8	11,471.0	20.9	16.5	112.15	322.9	63.4	447.4	415.6	31.90	14.027	
11,700.0	11,594.5	11,490.3	11,481.9	20.9	16.5	109.52	326.3	63.4	481.3	449.1	32.17	14.959	
11,750.0	11,622.2	11,500.0	11,491.1	21.0	16.5	105.77	329.4	63.4	518.4	485.9	32.45	15.974	
11,800.0	11,646.2	11,500.0	11,491.1	21.0	16.5	99.40	329.4	63.4	558.1	525.2	32.85	16.988	
11,850.0	11,666.3	11,500.0	11,491.1	21.1	16.5	91.92	329.4	63.4	599.7	566.5	33.17	18.081	
11,900.0	11,682.3	11,500.0	11,491.1	21.1	16.5	83.59	329.4	63.4	642.6	609.2	33.39	19.244	
11,950.0	11,694.1	11,500.0	11,491.1	21.2	16.5	74.84	329.4	63.4	686.2	652.7	33.53	20.467	
12,000.0	11,701.7	11,500.0	11,491.1	21.2	16.5	66.19	329.4	63.4	730.1	696.5	33.58	21.739	
12,050.0	11,704.9	11,500.0	11,491.1	21.3	16.5	58.12	329.4	63.4	774.0	740.4	33.58	23.050	
12,061.8	11,705.0	11,500.0	11,491.1	21.3	16.5	56.33	329.4	63.4	784.3	750.7	33.56	23.367	
12,100.0	11,705.0	11,485.5	11,477.3	21.3	16.5	54.65	324.8	63.4	817.5	783.8	33.71	24.250	
12,200.0	11,705.0	11,473.4	11,465.7	21.5	16.4	53.29	321.3	63.4	906.4	872.6	33.78	26.835	
12,300.0	11,705.0	11,450.0	11,443.2	21.6	16.4	50.77	315.2	63.5	997.3	963.4	33.97	29.362	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor		
0.0	0.0	0.0	0.0	3.0	3.0	-0.33	200.0	-1.1	200.0				
100.0	100.0	98.4	98.4	3.0	3.0	-0.33	200.0	-1.1	200.0	193.5	6.52	30.670	
200.0	200.0	198.4	198.4	3.2	3.2	-0.33	200.0	-1.1	200.0	193.2	6.77	29.545	
300.0	300.0	298.4	298.4	3.3	3.3	-0.33	200.0	-1.1	200.0	193.0	7.02	28.502	
400.0	400.0	398.4	398.4	3.4	3.4	-0.33	200.0	-1.1	200.0	192.7	7.26	27.539	
500.0	500.0	498.4	498.4	3.5	3.5	-0.33	200.0	-1.1	200.0	192.5	7.51	26.644	
600.0	600.0	598.4	598.4	3.7	3.7	-0.33	200.0	-1.1	200.0	192.2	7.75	25.811	
700.0	700.0	698.4	698.4	3.8	3.8	-0.33	200.0	-1.1	200.0	192.0	7.99	25.032	
800.0	800.0	798.4	798.4	3.9	3.9	-0.33	200.0	-1.1	200.0	191.8	8.23	24.303	
900.0	900.0	898.4	898.4	4.0	4.0	-0.33	200.0	-1.1	200.0	191.5	8.47	23.618	
1,000.0	1,000.0	998.4	998.4	4.2	4.2	-0.33	200.0	-1.1	200.0	191.3	8.71	22.974	
1,100.0	1,100.0	1,098.4	1,098.4	4.3	4.3	-0.33	200.0	-1.1	200.0	191.1	8.94	22.365	
1,200.0	1,200.0	1,198.4	1,198.4	4.4	4.4	-0.33	200.0	-1.1	200.0	190.8	9.18	21.791	
1,300.0	1,300.0	1,298.4	1,298.4	4.5	4.5	-0.33	200.0	-1.1	200.0	190.6	9.41	21.246	
1,400.0	1,400.0	1,398.4	1,398.4	4.6	4.6	-0.33	200.0	-1.1	200.0	190.3	9.65	20.730	
1,500.0	1,500.0	1,498.4	1,498.4	4.8	4.7	-0.33	200.0	-1.1	200.0	190.1	9.88	20.240	
1,600.0	1,600.0	1,595.2	1,595.2	4.9	4.9	-30.25	200.8	-0.2	199.6	189.5	10.12	19.736	
1,700.0	1,699.9	1,692.0	1,691.9	5.1	5.0	-30.01	203.1	2.5	198.7	188.2	10.46	18.984	
1,800.0	1,799.7	1,788.7	1,788.4	5.3	5.2	-29.58	207.0	7.2	197.0	186.2	10.83	18.187	
1,900.0	1,899.3	1,885.4	1,884.8	5.5	5.4	-28.98	212.5	13.7	194.8	183.6	11.23	17.350	
2,000.0	1,998.6	1,982.1	1,980.8	5.8	5.7	-28.17	219.5	22.1	192.0	180.3	11.65	16.474	
2,033.3	2,031.6	2,014.3	2,012.8	5.8	5.7	-27.86	222.2	25.3	190.9	179.2	11.75	16.250	
2,100.0	2,097.6	2,083.0	2,080.8	6.0	5.9	-36.66	228.0	32.8	189.1	177.1	11.99	15.779	
2,200.0	2,196.7	2,187.0	2,183.8	6.3	6.1	-50.58	234.2	45.8	186.2	173.8	12.42	14.991	
2,266.5	2,262.7	2,253.5	2,249.7	6.4	6.3	-59.77	237.7	54.3	185.1	172.5	12.66	14.625	
2,300.0	2,295.8	2,287.0	2,282.8	6.5	6.3	-59.72	239.4	58.7	184.8	172.1	12.76	14.483	
2,400.0	2,394.8	2,387.0	2,381.8	6.7	6.6	-59.58	244.7	71.6	184.0	170.8	13.16	13.977	
2,500.0	2,493.9	2,487.0	2,480.8	7.0	7.0	-59.43	249.9	84.5	183.1	169.6	13.57	13.493	
2,600.0	2,592.9	2,587.0	2,579.9	7.3	7.3	-59.29	255.1	97.4	182.3	168.3	13.99	13.030	
2,700.0	2,691.9	2,687.0	2,678.9	7.6	7.6	-59.14	260.3	110.3	181.4	167.0	14.41	12.588	
2,800.0	2,790.9	2,787.0	2,777.9	8.0	8.0	-58.99	265.5	123.2	180.6	165.7	14.84	12.165	
2,900.0	2,890.0	2,887.0	2,876.9	8.3	8.3	-58.84	270.7	136.1	179.7	164.5	15.28	11.762	
3,000.0	2,989.0	2,987.0	2,976.0	8.7	8.7	-58.69	275.9	149.0	178.9	163.2	15.73	11.376	
3,100.0	3,088.0	3,086.9	3,075.0	9.0	9.1	-58.53	281.1	161.9	178.0	161.9	16.18	11.007	
3,200.0	3,187.0	3,186.9	3,174.0	9.4	9.4	-58.38	286.4	174.8	177.2	160.6	16.63	10.654	
3,300.0	3,286.1	3,286.9	3,273.0	9.8	9.8	-58.22	291.6	187.7	176.4	159.3	17.09	10.317	
3,400.0	3,385.1	3,386.9	3,372.0	10.1	10.2	-58.07	296.8	200.6	175.5	158.0	17.56	9.994	
3,500.0	3,484.1	3,486.9	3,471.1	10.5	10.6	-57.91	302.0	213.5	174.7	156.6	18.03	9.685	
3,600.0	3,583.1	3,586.9	3,570.1	10.9	11.0	-57.75	307.2	226.4	173.8	155.3	18.51	9.390	
3,700.0	3,682.2	3,686.9	3,669.1	11.3	11.4	-57.58	312.4	239.3	173.0	154.0	19.00	9.106	
3,800.0	3,781.2	3,786.9	3,768.1	11.7	11.8	-57.42	317.6	252.2	172.2	152.7	19.49	8.835	
3,900.0	3,880.2	3,886.9	3,867.2	12.1	12.2	-57.26	322.9	265.1	171.3	151.3	19.98	8.574	
4,000.0	3,979.3	3,986.9	3,966.2	12.5	12.6	-57.09	328.1	278.0	170.5	150.0	20.48	8.324	
4,100.0	4,078.3	4,086.9	4,065.2	12.9	13.0	-56.92	333.3	290.9	169.7	148.7	20.99	8.084	
4,200.0	4,177.3	4,186.9	4,164.2	13.3	13.4	-56.75	338.5	303.8	168.8	147.3	21.50	7.854	
4,300.0	4,276.3	4,286.9	4,263.2	13.7	13.8	-56.58	343.7	316.7	168.0	146.0	22.01	7.632	
4,400.0	4,375.4	4,386.9	4,362.3	14.1	14.2	-56.40	348.9	329.6	167.2	144.6	22.53	7.420	
4,500.0	4,474.4	4,486.9	4,461.3	14.5	14.6	-56.23	354.1	342.5	166.3	143.3	23.06	7.215	
4,600.0	4,573.4	4,586.9	4,560.3	14.9	15.1	-56.05	359.3	355.4	165.5	141.9	23.58	7.018	
4,700.0	4,672.4	4,686.9	4,659.3	15.3	15.5	-55.87	364.6	368.3	164.7	140.6	24.12	6.828	
4,796.5	4,768.0	4,783.4	4,754.9	15.7	15.9	-55.70	369.6	380.8	163.9	139.3	24.64	6.652	
4,800.0	4,771.5	4,786.9	4,758.4	15.7	15.9	-55.69	369.8	381.2	163.9	139.2	24.65	6.647	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,838.0	4,809.1	4,824.8	4,796.0	15.9	16.0	-55.53	371.7	386.1	163.7	138.8	24.93	6.568	CC
4,900.0	4,870.7	4,886.8	4,857.4	16.3	16.3	-54.97	375.0	394.1	164.1	138.7	25.45	6.449	ES
5,000.0	4,970.4	4,986.7	4,956.2	16.7	16.7	-53.32	380.2	407.0	166.4	140.1	26.34	6.319	
5,100.0	5,070.2	5,086.4	5,055.0	17.0	17.1	-50.84	385.4	419.9	171.1	143.7	27.44	6.236	
5,196.5	5,166.7	5,184.0	5,151.8	17.2	17.5	16.01	390.1	431.6	177.6	149.0	28.57	6.214	
5,200.0	5,170.2	5,187.6	5,155.3	17.2	17.5	16.12	390.3	432.0	177.8	149.2	28.61	6.215	
5,300.0	5,270.2	5,289.0	5,256.1	17.3	18.0	18.89	394.6	442.6	185.0	155.3	29.71	6.226	
5,400.0	5,370.2	5,390.8	5,357.4	17.4	18.3	21.07	398.1	451.5	191.3	160.8	30.55	6.263	
5,500.0	5,470.2	5,492.9	5,459.2	17.4	18.7	22.74	401.1	458.7	196.6	165.4	31.25	6.292	
5,600.0	5,570.2	5,595.3	5,561.4	17.5	19.1	23.96	403.3	464.3	200.8	169.0	31.83	6.309	
5,700.0	5,670.2	5,697.8	5,663.9	17.5	19.4	24.78	404.9	468.2	203.8	171.5	32.29	6.310	
5,800.0	5,770.2	5,800.5	5,766.5	17.6	19.7	25.23	405.8	470.4	205.5	172.8	32.64	6.294	
5,900.0	5,870.2	5,902.6	5,868.6	17.6	19.8	25.34	406.0	470.9	205.9	173.1	32.79	6.279	
6,000.0	5,970.2	6,002.6	5,968.6	17.7	19.9	25.34	406.0	470.9	205.9	173.0	32.91	6.256	
6,100.0	6,070.2	6,102.6	6,068.6	17.8	19.9	25.34	406.0	470.9	205.9	172.9	33.02	6.235	
6,200.0	6,170.2	6,202.6	6,168.6	17.8	20.0	25.34	406.0	470.9	205.9	172.8	33.13	6.214	
6,300.0	6,270.2	6,302.6	6,268.6	17.9	20.0	25.34	406.0	470.9	205.9	172.6	33.24	6.194	
6,400.0	6,370.2	6,402.6	6,368.6	17.9	20.0	25.34	406.0	470.9	205.9	172.5	33.35	6.173	
6,500.0	6,470.2	6,502.6	6,468.6	18.0	20.1	25.34	406.0	470.9	205.9	172.4	33.46	6.153	
6,600.0	6,570.2	6,602.6	6,568.6	18.0	20.1	25.34	406.0	470.9	205.9	172.3	33.57	6.132	
6,700.0	6,670.2	6,702.6	6,668.6	18.1	20.2	25.34	406.0	470.9	205.9	172.2	33.69	6.112	
6,800.0	6,770.2	6,802.6	6,768.6	18.1	20.2	25.34	406.0	470.9	205.9	172.1	33.80	6.091	
6,900.0	6,870.2	6,902.6	6,868.6	18.2	20.3	25.34	406.0	470.9	205.9	172.0	33.91	6.071	
7,000.0	6,970.2	7,002.6	6,968.6	18.2	20.3	25.34	406.0	470.9	205.9	171.9	34.03	6.051	
7,100.0	7,070.2	7,102.6	7,068.6	18.3	20.4	25.34	406.0	470.9	205.9	171.7	34.14	6.030	
7,200.0	7,170.2	7,202.6	7,168.6	18.3	20.4	25.34	406.0	470.9	205.9	171.6	34.25	6.010	
7,300.0	7,270.2	7,302.6	7,268.6	18.4	20.5	25.34	406.0	470.9	205.9	171.5	34.37	5.990	
7,400.0	7,370.2	7,402.6	7,368.6	18.4	20.5	25.34	406.0	470.9	205.9	171.4	34.48	5.970	
7,500.0	7,470.2	7,502.6	7,468.6	18.5	20.5	25.34	406.0	470.9	205.9	171.3	34.60	5.950	
7,600.0	7,570.2	7,602.6	7,568.6	18.5	20.6	25.34	406.0	470.9	205.9	171.2	34.72	5.931	
7,700.0	7,670.2	7,702.6	7,668.6	18.6	20.6	25.34	406.0	470.9	205.9	171.0	34.83	5.911	
7,800.0	7,770.2	7,802.6	7,768.6	18.7	20.7	25.34	406.0	470.9	205.9	170.9	34.95	5.891	
7,900.0	7,870.2	7,902.6	7,868.6	18.7	20.7	25.34	406.0	470.9	205.9	170.8	35.06	5.871	
8,000.0	7,970.2	8,002.6	7,968.6	18.8	20.8	25.34	406.0	470.9	205.9	170.7	35.18	5.852	
8,100.0	8,070.2	8,102.6	8,068.6	18.8	20.8	25.34	406.0	470.9	205.9	170.6	35.30	5.832	
8,200.0	8,170.2	8,202.6	8,168.6	18.9	20.9	25.34	406.0	470.9	205.9	170.5	35.42	5.813	
8,300.0	8,270.2	8,302.6	8,268.6	18.9	20.9	25.34	406.0	470.9	205.9	170.3	35.54	5.794	
8,400.0	8,370.2	8,402.6	8,368.6	19.0	21.0	25.34	406.0	470.9	205.9	170.2	35.65	5.774	
8,500.0	8,470.2	8,502.6	8,468.6	19.0	21.0	25.34	406.0	470.9	205.9	170.1	35.77	5.755	
8,600.0	8,570.2	8,602.6	8,568.6	19.1	21.1	25.34	406.0	470.9	205.9	170.0	35.89	5.736	
8,700.0	8,670.2	8,702.6	8,668.6	19.2	21.1	25.34	406.0	470.9	205.9	169.9	36.01	5.717	
8,800.0	8,770.2	8,802.6	8,768.6	19.2	21.2	25.34	406.0	470.9	205.9	169.7	36.13	5.698	
8,900.0	8,870.2	8,902.6	8,868.6	19.3	21.2	25.34	406.0	470.9	205.9	169.6	36.25	5.679	
9,000.0	8,970.2	9,002.6	8,968.6	19.3	21.3	25.34	406.0	470.9	205.9	169.5	36.37	5.660	
9,100.0	9,070.2	9,102.6	9,068.6	19.4	21.3	25.34	406.0	470.9	205.9	169.4	36.49	5.641	
9,200.0	9,170.2	9,202.6	9,168.6	19.4	21.4	25.34	406.0	470.9	205.9	169.3	36.61	5.623	
9,300.0	9,270.2	9,302.6	9,268.6	19.5	21.4	25.34	406.0	470.9	205.9	169.1	36.74	5.604	
9,400.0	9,370.2	9,402.6	9,368.6	19.6	21.5	25.34	406.0	470.9	205.9	169.0	36.86	5.586	
9,500.0	9,470.2	9,502.6	9,468.6	19.6	21.5	25.34	406.0	470.9	205.9	168.9	36.98	5.567	
9,600.0	9,570.2	9,602.6	9,568.6	19.7	21.6	25.34	406.0	470.9	205.9	168.8	37.10	5.549	
9,700.0	9,670.2	9,702.6	9,668.6	19.7	21.6	25.34	406.0	470.9	205.9	168.7	37.23	5.531	
9,800.0	9,770.2	9,802.6	9,768.6	19.8	21.7	25.34	406.0	470.9	205.9	168.5	37.35	5.512	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	
9,900.0	9,870.2	9,902.6	9,868.6	19.9	21.7	25.34	406.0	470.9	205.9	168.4	37.47	5.494	
10,000.0	9,970.2	10,002.6	9,968.6	19.9	21.8	25.34	406.0	470.9	205.9	168.3	37.60	5.476	
10,100.0	10,070.2	10,102.6	10,068.6	20.0	21.8	25.34	406.0	470.9	205.9	168.2	37.72	5.458	
10,200.0	10,170.2	10,202.6	10,168.6	20.0	21.9	25.34	406.0	470.9	205.9	168.0	37.84	5.440	
10,300.0	10,270.2	10,302.6	10,268.6	20.1	21.9	25.34	406.0	470.9	205.9	167.9	37.97	5.422	
10,400.0	10,370.2	10,402.6	10,368.6	20.2	22.0	25.34	406.0	470.9	205.9	167.8	38.09	5.405	
10,500.0	10,470.2	10,502.6	10,468.6	20.2	22.0	25.34	406.0	470.9	205.9	167.7	38.22	5.387	
10,600.0	10,570.2	10,602.6	10,568.6	20.3	22.1	25.34	406.0	470.9	205.9	167.5	38.34	5.369	
10,700.0	10,670.2	10,702.6	10,668.6	20.3	22.1	25.34	406.0	470.9	205.9	167.4	38.47	5.352	
10,800.0	10,770.2	10,802.6	10,768.6	20.4	22.2	25.34	406.0	470.9	205.9	167.3	38.59	5.334	
10,900.0	10,870.2	10,902.6	10,868.6	20.5	22.2	25.34	406.0	470.9	205.9	167.2	38.72	5.317	
11,000.0	10,970.2	11,002.6	10,968.6	20.5	22.3	25.34	406.0	470.9	205.9	167.0	38.85	5.300	
11,100.0	11,070.2	11,102.6	11,068.6	20.6	22.4	25.34	406.0	470.9	205.9	166.9	38.97	5.283	
11,141.1	11,111.3	11,143.7	11,109.7	20.6	22.4	25.34	406.0	470.9	205.9	166.9	39.01	5.278	
11,161.8	11,132.0	11,164.0	11,130.0	20.6	22.4	25.34	406.0	470.9	205.9	166.8	39.03	5.274 SF	
11,200.0	11,170.2	11,193.0	11,159.1	20.6	22.4	-154.40	406.7	470.9	207.9	168.7	39.18	5.307	
11,250.0	11,219.9	11,229.7	11,195.6	20.6	22.4	-154.84	409.8	470.9	216.6	177.3	39.30	5.512	
11,300.0	11,268.9	11,264.4	11,229.9	20.7	22.4	-155.47	414.8	470.9	232.0	192.7	39.37	5.894	
11,350.0	11,316.8	11,300.0	11,264.8	20.7	22.4	-156.28	422.1	470.9	253.9	214.6	39.32	6.457	
11,400.0	11,363.4	11,324.1	11,288.1	20.7	22.4	-156.43	428.3	470.9	281.5	242.0	39.48	7.130	
11,450.0	11,408.2	11,350.0	11,312.8	20.8	22.4	-156.50	435.9	470.9	314.4	274.8	39.52	7.954	
11,500.0	11,450.9	11,368.6	11,330.3	20.8	22.4	-155.73	442.2	470.8	351.6	312.0	39.67	8.865	
11,550.0	11,491.2	11,385.0	11,345.6	20.8	22.4	-154.27	448.1	470.8	392.6	352.8	39.78	9.870	
11,600.0	11,528.7	11,400.0	11,359.4	20.9	22.4	-151.87	453.9	470.8	436.5	396.7	39.83	10.959	
11,650.0	11,563.3	11,400.0	11,359.4	20.9	22.4	-145.52	453.9	470.8	482.7	442.6	40.12	12.032	
11,700.0	11,594.5	11,413.8	11,372.0	20.9	22.5	-138.56	459.6	470.8	530.4	490.4	40.02	13.253	
11,750.0	11,622.2	11,417.6	11,375.4	21.0	22.5	-122.90	461.2	470.8	579.2	539.1	40.05	14.463	
11,800.0	11,646.2	11,419.0	11,376.7	21.0	22.5	-94.65	461.8	470.8	628.5	588.5	40.04	15.698	
11,850.0	11,666.3	11,418.2	11,376.0	21.1	22.5	-60.88	461.5	470.8	678.0	638.0	39.99	16.952	
11,900.0	11,682.3	11,415.6	11,373.7	21.1	22.5	-38.43	460.4	470.8	727.3	687.3	39.92	18.218	
11,950.0	11,694.1	11,400.0	11,359.4	21.2	22.4	-25.00	453.9	470.8	776.1	736.1	39.97	19.417	
12,000.0	11,701.7	11,400.0	11,359.4	21.2	22.4	-19.10	453.9	470.8	823.8	784.0	39.75	20.724	
12,050.0	11,704.9	11,400.0	11,359.4	21.3	22.4	-15.29	453.9	470.8	870.4	830.9	39.50	22.037	
12,061.8	11,705.0	11,400.0	11,359.4	21.3	22.4	-14.58	453.9	470.8	881.2	841.8	39.43	22.351	
12,100.0	11,705.0	11,400.0	11,359.4	21.3	22.4	-14.58	453.9	470.8	916.3	877.1	39.23	23.358	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	8.21	200.0	28.9	202.0				
100.0	100.0	98.3	98.3	3.0	3.0	8.21	200.0	28.9	202.0	195.5	6.52	30.983	
200.0	200.0	198.3	198.3	3.2	3.2	8.21	200.0	28.9	202.0	195.3	6.77	29.848	
300.0	300.0	298.3	298.3	3.3	3.3	8.21	200.0	28.9	202.0	195.0	7.02	28.796	
400.0	400.0	398.3	398.3	3.4	3.4	8.21	200.0	28.9	202.0	194.8	7.26	27.824	
500.0	500.0	498.3	498.3	3.5	3.5	8.21	200.0	28.9	202.0	194.5	7.50	26.922	
600.0	600.0	598.3	598.3	3.7	3.7	8.21	200.0	28.9	202.0	194.3	7.75	26.082	
700.0	700.0	698.3	698.3	3.8	3.8	8.21	200.0	28.9	202.0	194.0	7.99	25.298	
800.0	800.0	798.3	798.3	3.9	3.9	8.21	200.0	28.9	202.0	193.8	8.23	24.563	
900.0	900.0	898.3	898.3	4.0	4.0	8.21	200.0	28.9	202.0	193.6	8.46	23.873	
1,000.0	1,000.0	998.3	998.3	4.2	4.2	8.21	200.0	28.9	202.0	193.3	8.70	23.223	
1,100.0	1,100.0	1,098.3	1,098.3	4.3	4.3	8.21	200.0	28.9	202.0	193.1	8.94	22.611	
1,200.0	1,200.0	1,198.3	1,198.3	4.4	4.4	8.21	200.0	28.9	202.0	192.9	9.17	22.032	
1,300.0	1,300.0	1,298.3	1,298.3	4.5	4.5	8.21	200.0	28.9	202.0	192.6	9.40	21.484	
1,400.0	1,400.0	1,398.3	1,398.3	4.6	4.6	8.21	200.0	28.9	202.0	192.4	9.64	20.964	
1,500.0	1,500.0	1,498.3	1,498.3	4.8	4.7	8.21	200.0	28.9	202.0	192.2	9.87	20.470	
1,600.0	1,600.0	1,595.2	1,595.2	4.9	4.9	-21.66	200.6	29.9	201.6	191.5	10.11	19.943	
1,700.0	1,699.9	1,692.0	1,691.9	5.1	5.0	-21.25	202.4	33.0	200.3	189.8	10.46	19.143	
1,800.0	1,799.7	1,788.7	1,788.5	5.3	5.2	-20.55	205.4	38.3	198.1	187.3	10.84	18.279	
1,900.0	1,899.3	1,885.4	1,884.8	5.5	5.4	-19.55	209.7	45.7	195.2	183.9	11.24	17.360	
2,000.0	1,998.6	1,982.0	1,980.7	5.8	5.6	-18.21	215.1	55.2	191.5	179.8	11.68	16.393	
2,033.3	2,031.6	2,014.2	2,012.6	5.8	5.7	-17.68	217.2	58.8	190.1	178.4	11.78	16.138	
2,100.0	2,097.6	2,079.6	2,077.3	6.0	5.8	-26.05	221.7	67.0	188.1	176.1	12.01	15.659	
2,180.5	2,177.5	2,159.0	2,155.6	6.2	6.1	-36.55	227.1	78.9	187.2	174.8	12.41	15.083 CC	
2,200.0	2,196.7	2,178.1	2,174.5	6.3	6.1	-39.05	228.4	82.1	187.2	174.7	12.51	14.964 ES	
2,266.5	2,262.7	2,243.6	2,238.7	6.4	6.3	-47.20	232.7	94.0	188.2	175.4	12.78	14.725	
2,300.0	2,295.8	2,276.7	2,271.2	6.5	6.4	-46.51	234.8	100.5	189.0	176.1	12.89	14.663	
2,400.0	2,394.8	2,376.5	2,368.7	6.7	6.7	-44.45	241.2	120.3	191.7	178.3	13.39	14.320	
2,500.0	2,493.9	2,476.2	2,466.3	7.0	7.0	-42.45	247.6	140.0	194.7	180.7	13.94	13.965	
2,600.0	2,592.9	2,575.9	2,563.8	7.3	7.4	-40.51	254.0	159.7	197.8	183.3	14.52	13.621	
2,700.0	2,691.9	2,675.7	2,661.4	7.6	7.8	-38.63	260.4	179.4	201.2	186.1	15.14	13.288	
2,800.0	2,790.9	2,775.4	2,758.9	8.0	8.1	-36.82	266.8	199.1	204.8	189.0	15.79	12.968	
2,900.0	2,890.0	2,875.1	2,856.5	8.3	8.5	-35.07	273.2	218.9	208.6	192.1	16.47	12.663	
3,000.0	2,989.0	2,974.8	2,954.0	8.7	8.9	-33.39	279.6	238.6	212.6	195.4	17.18	12.373	
3,100.0	3,088.0	3,074.6	3,051.6	9.0	9.3	-31.77	286.1	258.3	216.7	198.8	17.92	12.098	
3,200.0	3,187.0	3,174.3	3,149.1	9.4	9.7	-30.21	292.5	278.0	221.1	202.4	18.67	11.840	
3,300.0	3,286.1	3,274.0	3,246.7	9.8	10.2	-28.71	298.9	297.7	225.6	206.1	19.45	11.598	
3,400.0	3,385.1	3,373.8	3,344.2	10.1	10.6	-27.27	305.3	317.5	230.2	209.9	20.24	11.372	
3,500.0	3,484.1	3,473.5	3,441.8	10.5	11.0	-25.89	311.7	337.2	235.0	213.9	21.05	11.160	
3,600.0	3,583.1	3,573.2	3,539.3	10.9	11.4	-24.56	318.1	356.9	239.9	218.0	21.88	10.964	
3,700.0	3,682.2	3,672.9	3,636.9	11.3	11.9	-23.29	324.5	376.6	244.9	222.2	22.72	10.781	
3,800.0	3,781.2	3,772.7	3,734.4	11.7	12.3	-22.07	330.9	396.3	250.0	226.5	23.56	10.611	
3,900.0	3,880.2	3,872.4	3,832.0	12.1	12.7	-20.89	337.3	416.1	255.3	230.9	24.42	10.454	
4,000.0	3,979.3	3,972.1	3,929.5	12.5	13.2	-19.77	343.7	435.8	260.6	235.4	25.29	10.307	
4,100.0	4,078.3	4,071.9	4,027.1	12.9	13.6	-18.69	350.1	455.5	266.1	239.9	26.16	10.172	
4,200.0	4,177.3	4,171.6	4,124.6	13.3	14.1	-17.66	356.5	475.2	271.6	244.6	27.04	10.046	
4,300.0	4,276.3	4,271.3	4,222.1	13.7	14.5	-16.66	362.9	494.9	277.3	249.3	27.92	9.930	
4,400.0	4,375.4	4,371.0	4,319.7	14.1	15.0	-15.71	369.3	514.7	283.0	254.2	28.81	9.822	
4,500.0	4,474.4	4,470.8	4,417.2	14.5	15.4	-14.79	375.8	534.4	288.8	259.1	29.70	9.721	
4,600.0	4,573.4	4,570.5	4,514.8	14.9	15.9	-13.91	382.2	554.1	294.6	264.0	30.60	9.628	
4,700.0	4,672.4	4,670.2	4,612.3	15.3	16.3	-13.07	388.6	573.8	300.5	269.0	31.49	9.542	
4,796.5	4,768.0	4,766.5	4,706.5	15.7	16.8	-12.28	394.8	592.8	306.3	273.9	32.36	9.465	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,800.0	4,771.5	4,770.0	4,709.9	15.7	16.8	-12.26	395.0	593.5	306.5	274.1	32.39	9.463	
4,900.0	4,870.7	4,869.5	4,807.3	16.3	17.2	-11.44	401.4	613.2	314.4	281.0	33.40	9.412 SF	
5,000.0	4,970.4	4,968.7	4,904.3	16.7	17.7	-10.56	407.7	632.8	325.7	291.4	34.29	9.498	
5,100.0	5,070.2	5,067.5	5,000.9	17.0	18.1	-9.66	414.1	652.4	340.6	305.4	35.15	9.689	
5,196.5	5,166.7	5,162.2	5,093.6	17.2	18.6	55.22	420.2	671.1	358.2	322.4	35.81	10.002	
5,200.0	5,170.2	5,165.6	5,096.9	17.2	18.6	55.25	420.4	671.8	358.9	323.0	35.83	10.016	
5,300.0	5,270.2	5,263.4	5,192.6	17.3	19.0	56.15	426.7	691.1	378.9	342.4	36.47	10.389	
5,400.0	5,370.2	5,361.2	5,288.3	17.4	19.5	56.97	433.0	710.5	398.9	361.9	37.02	10.776	
5,500.0	5,470.2	5,459.1	5,383.9	17.4	19.9	57.70	439.3	729.8	419.1	381.5	37.57	11.154	
5,600.0	5,570.2	5,556.9	5,479.6	17.5	20.4	58.37	445.5	749.1	439.3	401.2	38.13	11.522	
5,700.0	5,670.2	5,654.7	5,575.3	17.5	20.9	58.98	451.8	768.5	459.5	420.9	38.68	11.881	
5,800.0	5,770.2	5,752.5	5,671.0	17.6	21.3	59.54	458.1	787.8	479.8	440.6	39.24	12.230	
5,900.0	5,870.2	5,850.3	5,766.7	17.6	21.8	60.06	464.4	807.2	500.2	460.4	39.79	12.569	
6,000.0	5,970.2	5,953.1	5,867.2	17.7	22.2	60.55	470.9	827.4	520.5	480.1	40.38	12.889	
6,100.0	6,070.2	6,073.3	5,985.5	17.8	22.8	61.01	477.6	847.7	537.9	496.8	41.06	13.101	
6,200.0	6,170.2	6,195.1	6,106.2	17.8	23.3	61.34	482.7	863.4	551.3	509.6	41.66	13.232	
6,300.0	6,270.2	6,318.2	6,228.7	17.9	23.8	61.56	486.2	874.4	560.5	518.3	42.16	13.296	
6,400.0	6,370.2	6,442.0	6,352.3	17.9	24.3	61.67	488.2	880.4	565.5	523.0	42.51	13.302	
6,500.0	6,470.2	6,558.2	6,468.5	18.0	24.5	61.69	488.6	881.5	566.4	523.8	42.64	13.284	
6,600.0	6,570.2	6,658.2	6,568.5	18.0	24.5	61.69	488.6	881.5	566.4	523.7	42.72	13.260	
6,700.0	6,670.2	6,758.2	6,668.5	18.1	24.5	61.69	488.6	881.5	566.4	523.6	42.80	13.234	
6,800.0	6,770.2	6,858.2	6,768.5	18.1	24.6	61.69	488.6	881.5	566.4	523.6	42.89	13.208	
6,900.0	6,870.2	6,958.2	6,868.5	18.2	24.6	61.69	488.6	881.5	566.4	523.5	42.97	13.182	
7,000.0	6,970.2	7,058.2	6,968.5	18.2	24.6	61.69	488.6	881.5	566.4	523.4	43.05	13.156	
7,100.0	7,070.2	7,158.2	7,068.5	18.3	24.7	61.69	488.6	881.5	566.4	523.3	43.14	13.130	
7,200.0	7,170.2	7,258.2	7,168.5	18.3	24.7	61.69	488.6	881.5	566.4	523.2	43.22	13.105	
7,300.0	7,270.2	7,358.2	7,268.5	18.4	24.8	61.69	488.6	881.5	566.4	523.1	43.31	13.079	
7,400.0	7,370.2	7,458.2	7,368.5	18.4	24.8	61.69	488.6	881.5	566.4	523.0	43.40	13.052	
7,500.0	7,470.2	7,558.2	7,468.5	18.5	24.8	61.69	488.6	881.5	566.4	523.0	43.48	13.026	
7,600.0	7,570.2	7,658.2	7,568.5	18.5	24.9	61.69	488.6	881.5	566.4	522.9	43.57	13.000	
7,700.0	7,670.2	7,758.2	7,668.5	18.6	24.9	61.69	488.6	881.5	566.4	522.8	43.66	12.974	
7,800.0	7,770.2	7,858.2	7,768.5	18.7	24.9	61.69	488.6	881.5	566.4	522.7	43.75	12.948	
7,900.0	7,870.2	7,958.2	7,868.5	18.7	25.0	61.69	488.6	881.5	566.4	522.6	43.84	12.922	
8,000.0	7,970.2	8,058.2	7,968.5	18.8	25.0	61.69	488.6	881.5	566.4	522.5	43.92	12.896	
8,100.0	8,070.2	8,158.2	8,068.5	18.8	25.0	61.69	488.6	881.5	566.4	522.4	44.01	12.870	
8,200.0	8,170.2	8,258.2	8,168.5	18.9	25.1	61.69	488.6	881.5	566.4	522.3	44.10	12.844	
8,300.0	8,270.2	8,358.2	8,268.5	18.9	25.1	61.69	488.6	881.5	566.4	522.2	44.19	12.817	
8,400.0	8,370.2	8,458.2	8,368.5	19.0	25.2	61.69	488.6	881.5	566.4	522.2	44.28	12.791	
8,500.0	8,470.2	8,558.2	8,468.5	19.0	25.2	61.69	488.6	881.5	566.4	522.1	44.37	12.765	
8,600.0	8,570.2	8,658.2	8,568.5	19.1	25.2	61.69	488.6	881.5	566.4	522.0	44.47	12.739	
8,700.0	8,670.2	8,758.2	8,668.5	19.2	25.3	61.69	488.6	881.5	566.4	521.9	44.56	12.712	
8,800.0	8,770.2	8,858.2	8,768.5	19.2	25.3	61.69	488.6	881.5	566.4	521.8	44.65	12.686	
8,900.0	8,870.2	8,958.2	8,868.5	19.3	25.4	61.69	488.6	881.5	566.4	521.7	44.74	12.660	
9,000.0	8,970.2	9,058.2	8,968.5	19.3	25.4	61.69	488.6	881.5	566.4	521.6	44.84	12.634	
9,100.0	9,070.2	9,158.2	9,068.5	19.4	25.4	61.69	488.6	881.5	566.4	521.5	44.93	12.608	
9,200.0	9,170.2	9,258.2	9,168.5	19.4	25.5	61.69	488.6	881.5	566.4	521.4	45.02	12.581	
9,300.0	9,270.2	9,358.2	9,268.5	19.5	25.5	61.69	488.6	881.5	566.4	521.3	45.12	12.555	
9,400.0	9,370.2	9,458.2	9,368.5	19.6	25.6	61.69	488.6	881.5	566.4	521.2	45.21	12.529	
9,500.0	9,470.2	9,558.2	9,468.5	19.6	25.6	61.69	488.6	881.5	566.4	521.1	45.31	12.503	
9,600.0	9,570.2	9,658.2	9,568.5	19.7	25.6	61.69	488.6	881.5	566.4	521.0	45.40	12.476	
9,700.0	9,670.2	9,758.2	9,668.5	19.7	25.7	61.69	488.6	881.5	566.4	520.9	45.50	12.450	
9,800.0	9,770.2	9,858.2	9,768.5	19.8	25.7	61.69	488.6	881.5	566.4	520.8	45.59	12.424	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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		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
9,900.0	9,870.2	9,958.2	9,868.5	19.9	25.8	61.69	488.6	881.5	566.4	520.8		45.69	12.398
10,000.0	9,970.2	10,058.2	9,968.5	19.9	25.8	61.69	488.6	881.5	566.4	520.7		45.79	12.372
10,100.0	10,070.2	10,158.2	10,068.5	20.0	25.8	61.69	488.6	881.5	566.4	520.6		45.88	12.345
10,200.0	10,170.2	10,258.2	10,168.5	20.0	25.9	61.69	488.6	881.5	566.4	520.5		45.98	12.319
10,300.0	10,270.2	10,358.2	10,268.5	20.1	25.9	61.69	488.6	881.5	566.4	520.4		46.08	12.293
10,400.0	10,370.2	10,458.2	10,368.5	20.2	26.0	61.69	488.6	881.5	566.4	520.3		46.18	12.267
10,500.0	10,470.2	10,558.2	10,468.5	20.2	26.0	61.69	488.6	881.5	566.4	520.2		46.27	12.241
10,600.0	10,570.2	10,658.2	10,568.5	20.3	26.1	61.69	488.6	881.5	566.4	520.1		46.37	12.215
10,700.0	10,670.2	10,758.2	10,668.5	20.3	26.1	61.69	488.6	881.5	566.4	520.0		46.47	12.189
10,800.0	10,770.2	10,858.2	10,768.5	20.4	26.1	61.69	488.6	881.5	566.4	519.9		46.57	12.163
10,900.0	10,870.2	10,958.2	10,868.5	20.5	26.2	61.69	488.6	881.5	566.4	519.8		46.67	12.137
11,000.0	10,970.2	11,058.2	10,968.5	20.5	26.2	61.69	488.6	881.5	566.4	519.7		46.77	12.111
11,100.0	11,070.2	11,158.2	11,068.5	20.6	26.3	61.69	488.6	881.5	566.4	519.6		46.87	12.085
11,161.8	11,132.0	11,220.0	11,130.3	20.6	26.3	61.69	488.6	881.5	566.4	519.5		46.93	12.071
11,200.0	11,170.2	11,258.1	11,168.5	20.6	26.3	-118.00	488.6	881.5	567.0	520.1		46.96	12.075
11,250.0	11,219.9	11,307.8	11,218.1	20.6	26.3	-118.25	488.6	881.5	569.6	522.7		46.98	12.124
11,300.0	11,268.9	11,356.8	11,267.2	20.7	26.4	-118.68	488.6	881.5	574.4	527.4		46.99	12.223
11,350.0	11,316.8	11,400.0	11,310.3	20.7	26.4	-119.11	488.6	881.5	581.4	534.4		47.02	12.365
11,400.0	11,363.4	11,431.5	11,341.8	20.7	26.4	-119.26	489.7	881.5	591.8	544.7		47.11	12.563
11,450.0	11,408.2	11,450.0	11,360.2	20.8	26.4	-118.76	491.1	881.5	606.2	558.9		47.24	12.831
11,500.0	11,450.9	11,482.6	11,392.6	20.8	26.4	-118.78	495.1	881.5	624.3	577.1		47.18	13.231
11,550.0	11,491.2	11,500.0	11,409.7	20.8	26.4	-117.70	498.0	881.5	646.5	599.3		47.18	13.701
11,600.0	11,528.7	11,520.4	11,429.7	20.9	26.4	-116.45	502.1	881.5	672.4	625.3		47.08	14.281
11,650.0	11,563.3	11,534.3	11,443.2	20.9	26.4	-114.26	505.2	881.5	701.9	655.0		46.97	14.943
11,700.0	11,594.5	11,550.0	11,458.5	20.9	26.4	-111.68	509.2	881.5	734.6	687.8		46.78	15.703
11,750.0	11,622.2	11,550.0	11,458.5	21.0	26.4	-106.95	509.2	881.5	770.0	723.4		46.68	16.497
11,800.0	11,646.2	11,550.0	11,458.5	21.0	26.4	-101.36	509.2	881.5	807.8	761.3		46.52	17.364
11,850.0	11,666.3	11,550.0	11,458.5	21.1	26.4	-94.96	509.2	881.5	847.3	801.0		46.32	18.292
11,900.0	11,682.3	11,550.0	11,458.5	21.1	26.4	-87.89	509.2	881.5	888.2	842.1		46.09	19.271
11,950.0	11,694.1	11,550.0	11,458.5	21.2	26.4	-80.42	509.2	881.5	929.8	884.0		45.82	20.291
12,000.0	11,701.7	11,550.0	11,458.5	21.2	26.4	-72.88	509.2	881.5	971.8	926.3		45.53	21.344

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	16.44	199.7	58.9	208.2				
100.0	100.0	98.3	98.3	3.0	3.0	16.44	199.7	58.9	208.2	201.7	6.52	31.930	
200.0	200.0	198.3	198.3	3.2	3.2	16.44	199.7	58.9	208.2	201.4	6.77	30.763	
300.0	300.0	298.3	298.3	3.3	3.3	16.44	199.7	58.9	208.2	201.2	7.01	29.682	
400.0	400.0	398.3	398.3	3.4	3.4	16.44	199.7	58.9	208.2	200.9	7.26	28.686	
500.0	500.0	498.3	498.3	3.5	3.5	16.44	199.7	58.9	208.2	200.7	7.50	27.761	
600.0	600.0	598.3	598.3	3.7	3.7	16.44	199.7	58.9	208.2	200.5	7.74	26.902	
700.0	700.0	698.3	698.3	3.8	3.8	16.44	199.7	58.9	208.2	200.2	7.98	26.099	
800.0	800.0	798.3	798.3	3.9	3.9	16.44	199.7	58.9	208.2	200.0	8.21	25.348	
900.0	900.0	898.3	898.3	4.0	4.0	16.44	199.7	58.9	208.2	199.8	8.45	24.642	
1,000.0	1,000.0	998.3	998.3	4.2	4.2	16.44	199.7	58.9	208.2	199.5	8.68	23.979	
1,100.0	1,100.0	1,098.3	1,098.3	4.3	4.3	16.44	199.7	58.9	208.2	199.3	8.92	23.353	
1,200.0	1,200.0	1,198.3	1,198.3	4.4	4.4	16.44	199.7	58.9	208.2	199.1	9.15	22.762	
1,300.0	1,300.0	1,298.3	1,298.3	4.5	4.5	16.44	199.7	58.9	208.2	198.8	9.38	22.203	
1,400.0	1,400.0	1,398.3	1,398.3	4.6	4.6	16.44	199.7	58.9	208.2	198.6	9.61	21.672	
1,500.0	1,500.0	1,498.3	1,498.3	4.8	4.7	16.44	199.7	58.9	208.2	198.4	9.84	21.168	
1,600.0	1,600.0	1,594.6	1,594.6	4.9	4.9	-13.42	200.3	60.0	207.8	197.7	10.08	20.616	
1,700.0	1,699.9	1,690.8	1,690.7	5.1	5.0	-12.98	202.1	63.1	206.7	196.3	10.44	19.793	
1,800.0	1,799.7	1,786.9	1,786.6	5.3	5.2	-12.23	205.1	68.3	204.9	194.1	10.83	18.917	
1,900.0	1,899.3	1,883.6	1,882.9	5.5	5.3	-11.11	209.2	75.8	202.4	191.3	11.18	18.104	
2,000.0	1,998.6	1,980.5	1,979.2	5.8	5.6	-9.26	213.6	86.4	198.9	187.3	11.64	17.090	
2,033.3	2,031.6	2,012.7	2,011.1	5.8	5.7	-8.47	215.2	90.6	197.6	185.8	11.76	16.792	
2,100.0	2,097.6	2,077.1	2,074.7	6.0	5.9	-16.28	218.3	100.2	195.5	183.4	12.05	16.220	
2,159.3	2,156.4	2,134.3	2,130.9	6.1	6.1	-23.57	221.2	109.9	194.9	182.5	12.36	15.770 CC, ES	
2,200.0	2,196.7	2,173.5	2,169.4	6.3	6.2	-28.57	223.2	117.2	195.2	182.6	12.57	15.522	
2,266.5	2,262.7	2,237.6	2,232.0	6.4	6.4	-36.37	226.5	130.2	196.8	183.9	12.89	15.267	
2,300.0	2,295.8	2,269.7	2,263.3	6.5	6.5	-35.55	228.2	137.3	198.1	185.1	13.04	15.192	
2,400.0	2,394.8	2,367.9	2,358.7	6.7	6.9	-32.77	233.6	160.3	203.1	189.5	13.60	14.934	
2,500.0	2,493.9	2,467.3	2,455.1	7.0	7.2	-30.06	239.0	183.7	208.7	194.5	14.21	14.693	
2,600.0	2,592.9	2,566.6	2,551.5	7.3	7.6	-27.50	244.4	207.2	214.8	199.9	14.85	14.463	
2,700.0	2,691.9	2,666.0	2,647.9	7.6	7.9	-25.08	249.8	230.6	221.2	205.7	15.53	14.244	
2,800.0	2,790.9	2,765.4	2,744.3	8.0	8.3	-22.80	255.2	254.0	228.0	211.8	16.24	14.040	
2,900.0	2,890.0	2,864.7	2,840.7	8.3	8.7	-20.66	260.6	277.4	235.2	218.2	16.98	13.850	
3,000.0	2,989.0	2,964.1	2,937.2	8.7	9.1	-18.64	266.0	300.9	242.6	224.9	17.74	13.675	
3,100.0	3,088.0	3,063.5	3,033.6	9.0	9.5	-16.75	271.4	324.3	250.4	231.8	18.53	13.514	
3,200.0	3,187.0	3,162.8	3,130.0	9.4	9.9	-14.97	276.8	347.7	258.4	239.0	19.33	13.368	
3,300.0	3,286.1	3,262.2	3,226.4	9.8	10.4	-13.30	282.2	371.1	266.6	246.5	20.14	13.235	
3,400.0	3,385.1	3,361.6	3,322.8	10.1	10.8	-11.73	287.6	394.5	275.1	254.1	20.97	13.116	
3,500.0	3,484.1	3,460.9	3,419.2	10.5	11.2	-10.25	293.1	418.0	283.7	261.9	21.81	13.008	
3,600.0	3,583.1	3,560.3	3,515.6	10.9	11.6	-8.86	298.5	441.4	292.5	269.9	22.66	12.912	
3,700.0	3,682.2	3,659.7	3,612.1	11.3	12.1	-7.56	303.9	464.8	301.5	278.0	23.51	12.825	
3,800.0	3,781.2	3,759.0	3,708.5	11.7	12.5	-6.33	309.3	488.2	310.6	286.3	24.37	12.748	
3,900.0	3,880.2	3,858.4	3,804.9	12.1	13.0	-5.17	314.7	511.7	319.9	294.7	25.23	12.679	
4,000.0	3,979.3	3,957.8	3,901.3	12.5	13.4	-4.07	320.1	535.1	329.3	303.2	26.10	12.617	
4,100.0	4,078.3	4,057.1	3,997.7	12.9	13.9	-3.04	325.5	558.5	338.8	311.8	26.97	12.562	
4,200.0	4,177.3	4,156.5	4,094.1	13.3	14.3	-2.06	330.9	581.9	348.4	320.6	27.84	12.514	
4,300.0	4,276.3	4,255.9	4,190.5	13.7	14.8	-1.13	336.3	605.3	358.1	329.4	28.72	12.470	
4,400.0	4,375.4	4,355.2	4,287.0	14.1	15.3	-0.26	341.7	628.8	367.9	338.3	29.59	12.432	
4,500.0	4,474.4	4,454.6	4,383.4	14.5	15.7	0.57	347.1	652.2	377.8	347.3	30.47	12.398	
4,600.0	4,573.4	4,554.0	4,479.8	14.9	16.2	1.36	352.5	675.6	387.7	356.3	31.35	12.368	
4,700.0	4,672.4	4,653.3	4,576.2	15.3	16.6	2.11	357.9	699.0	397.7	365.5	32.22	12.342	
4,796.5	4,768.0	4,749.2	4,669.2	15.7	17.1	2.80	363.2	721.6	407.4	374.4	33.07	12.320	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,800.0	4,771.5	4,752.7	4,672.6	15.7	17.1	2.83	363.4	722.5	407.8	374.7	33.10	12.320	
4,900.0	4,870.7	4,851.9	4,768.8	16.3	17.6	3.50	368.7	745.8	419.8	385.7	34.08	12.316 SF	
5,000.0	4,970.4	4,950.5	4,864.6	16.7	18.0	4.11	374.1	769.1	435.3	400.3	34.94	12.456	
5,100.0	5,070.2	5,048.6	4,959.8	17.0	18.5	4.66	379.5	792.2	454.2	418.5	35.76	12.702	
5,196.5	5,166.7	5,142.6	5,051.0	17.2	18.9	69.12	384.6	814.4	475.8	439.4	36.39	13.075	
5,200.0	5,170.2	5,146.0	5,054.3	17.2	19.0	69.13	384.8	815.2	476.6	440.2	36.41	13.091	
5,300.0	5,270.2	5,243.1	5,148.4	17.3	19.4	69.51	390.0	838.1	500.6	463.6	37.02	13.522	
5,400.0	5,370.2	5,340.1	5,242.6	17.4	19.9	69.86	395.3	860.9	524.6	487.0	37.56	13.967	
5,500.0	5,470.2	5,437.1	5,336.7	17.4	20.3	70.17	400.6	883.8	548.6	510.5	38.11	14.398	
5,600.0	5,570.2	5,534.2	5,430.9	17.5	20.8	70.46	405.9	906.7	572.7	534.0	38.66	14.815	
5,700.0	5,670.2	5,631.2	5,525.0	17.5	21.3	70.72	411.2	929.5	596.7	557.5	39.21	15.218	
5,800.0	5,770.2	5,728.2	5,619.2	17.6	21.7	70.97	416.4	952.4	620.8	581.0	39.77	15.609	
5,900.0	5,870.2	5,825.2	5,713.3	17.6	22.2	71.19	421.7	975.3	644.8	604.5	40.34	15.987	
6,000.0	5,970.2	5,922.3	5,807.5	17.7	22.7	71.40	427.0	998.2	668.9	628.0	40.91	16.353	
6,100.0	6,070.2	6,019.3	5,901.6	17.8	23.1	71.60	432.3	1,021.0	693.0	651.5	41.48	16.707	
6,200.0	6,170.2	6,116.3	5,995.8	17.8	23.6	71.78	437.6	1,043.9	717.1	675.1	42.06	17.051	
6,300.0	6,270.2	6,213.4	6,089.9	17.9	24.1	71.95	442.8	1,066.8	741.2	698.6	42.64	17.383	
6,400.0	6,370.2	6,310.4	6,184.0	17.9	24.5	72.11	448.1	1,089.6	765.3	722.1	43.22	17.706	
6,500.0	6,470.2	6,407.4	6,278.2	18.0	25.0	72.26	453.4	1,112.5	789.4	745.6	43.81	18.018	
6,600.0	6,570.2	6,504.5	6,372.3	18.0	25.5	72.40	458.7	1,135.4	813.5	769.1	44.41	18.321	
6,700.0	6,670.2	6,601.5	6,466.5	18.1	25.9	72.53	464.0	1,158.3	837.7	792.7	45.00	18.614	
6,800.0	6,770.2	6,698.5	6,560.6	18.1	26.4	72.66	469.2	1,181.1	861.8	816.2	45.60	18.899	
6,900.0	6,870.2	6,795.5	6,654.8	18.2	26.9	72.78	474.5	1,204.0	885.9	839.7	46.20	19.175	
7,000.0	6,970.2	6,925.5	6,781.3	18.2	27.5	72.92	481.2	1,232.8	908.8	861.8	47.01	19.331	
7,100.0	7,070.2	7,070.0	6,923.4	18.3	28.2	73.03	487.1	1,258.5	926.9	879.1	47.82	19.385	
7,200.0	7,170.2	7,216.9	7,069.0	18.3	28.8	73.12	491.4	1,277.3	940.0	891.6	48.48	19.391	
7,300.0	7,270.2	7,365.4	7,217.0	18.4	29.4	73.16	494.1	1,288.9	948.1	899.1	48.96	19.364	
7,400.0	7,370.2	7,514.8	7,366.3	18.4	29.8	73.18	495.1	1,293.0	950.9	901.7	49.17	19.340	
7,500.0	7,470.2	7,617.0	7,468.6	18.5	29.9	73.18	495.1	1,293.0	950.9	901.7	49.23	19.317	
7,600.0	7,570.2	7,717.0	7,568.6	18.5	29.9	73.18	495.1	1,293.0	950.9	901.6	49.30	19.287	
7,700.0	7,670.2	7,817.0	7,668.6	18.6	29.9	73.18	495.1	1,293.0	950.9	901.5	49.38	19.257	
7,800.0	7,770.2	7,917.0	7,768.6	18.7	30.0	73.18	495.1	1,293.0	950.9	901.4	49.46	19.227	
7,900.0	7,870.2	8,017.0	7,868.6	18.7	30.0	73.18	495.1	1,293.0	950.9	901.4	49.53	19.197	
8,000.0	7,970.2	8,117.0	7,968.6	18.8	30.0	73.18	495.1	1,293.0	950.9	901.3	49.61	19.167	
8,100.0	8,070.2	8,217.0	8,068.6	18.8	30.1	73.18	495.1	1,293.0	950.9	901.2	49.69	19.137	
8,200.0	8,170.2	8,317.0	8,168.6	18.9	30.1	73.18	495.1	1,293.0	950.9	901.1	49.77	19.107	
8,300.0	8,270.2	8,417.0	8,268.6	18.9	30.1	73.18	495.1	1,293.0	950.9	901.1	49.85	19.077	
8,400.0	8,370.2	8,517.0	8,368.6	19.0	30.1	73.18	495.1	1,293.0	950.9	901.0	49.92	19.047	
8,500.0	8,470.2	8,617.0	8,468.6	19.0	30.2	73.18	495.1	1,293.0	950.9	900.9	50.00	19.016	
8,600.0	8,570.2	8,717.0	8,568.6	19.1	30.2	73.18	495.1	1,293.0	950.9	900.8	50.08	18.986	
8,700.0	8,670.2	8,817.0	8,668.6	19.2	30.2	73.18	495.1	1,293.0	950.9	900.7	50.16	18.956	
8,800.0	8,770.2	8,917.0	8,768.6	19.2	30.3	73.18	495.1	1,293.0	950.9	900.7	50.25	18.925	
8,900.0	8,870.2	9,017.0	8,868.6	19.3	30.3	73.18	495.1	1,293.0	950.9	900.6	50.33	18.895	
9,000.0	8,970.2	9,117.0	8,968.6	19.3	30.3	73.18	495.1	1,293.0	950.9	900.5	50.41	18.864	
9,100.0	9,070.2	9,217.0	9,068.6	19.4	30.4	73.18	495.1	1,293.0	950.9	900.4	50.49	18.833	
9,200.0	9,170.2	9,317.0	9,168.6	19.4	30.4	73.18	495.1	1,293.0	950.9	900.3	50.57	18.803	
9,300.0	9,270.2	9,417.0	9,268.6	19.5	30.4	73.18	495.1	1,293.0	950.9	900.2	50.65	18.772	
9,400.0	9,370.2	9,517.0	9,368.6	19.6	30.5	73.18	495.1	1,293.0	950.9	900.2	50.74	18.741	
9,500.0	9,470.2	9,617.0	9,468.6	19.6	30.5	73.18	495.1	1,293.0	950.9	900.1	50.82	18.711	
9,600.0	9,570.2	9,717.0	9,568.6	19.7	30.5	73.18	495.1	1,293.0	950.9	900.0	50.91	18.680	
9,700.0	9,670.2	9,817.0	9,668.6	19.7	30.6	73.18	495.1	1,293.0	950.9	899.9	50.99	18.649	
9,800.0	9,770.2	9,917.0	9,768.6	19.8	30.6	73.18	495.1	1,293.0	950.9	899.8	51.07	18.618	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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
9,900.0	9,870.2	10,017.0	9,868.6	19.9	30.6	73.18	495.1	1,293.0	950.9	899.7		51.16	18.587
10,000.0	9,970.2	10,117.0	9,968.6	19.9	30.7	73.18	495.1	1,293.0	950.9	899.7		51.24	18.556
10,100.0	10,070.2	10,217.0	10,068.6	20.0	30.7	73.18	495.1	1,293.0	950.9	899.6		51.33	18.525
10,200.0	10,170.2	10,317.0	10,168.6	20.0	30.7	73.18	495.1	1,293.0	950.9	899.5		51.42	18.494
10,300.0	10,270.2	10,417.0	10,268.6	20.1	30.8	73.18	495.1	1,293.0	950.9	899.4		51.50	18.463
10,400.0	10,370.2	10,517.0	10,368.6	20.2	30.8	73.18	495.1	1,293.0	950.9	899.3		51.59	18.432
10,500.0	10,470.2	10,617.0	10,468.6	20.2	30.8	73.18	495.1	1,293.0	950.9	899.2		51.68	18.401
10,600.0	10,570.2	10,717.0	10,568.6	20.3	30.9	73.18	495.1	1,293.0	950.9	899.1		51.76	18.370
10,700.0	10,670.2	10,817.0	10,668.6	20.3	30.9	73.18	495.1	1,293.0	950.9	899.0		51.85	18.339
10,800.0	10,770.2	10,917.0	10,768.6	20.4	31.0	73.18	495.1	1,293.0	950.9	899.0		51.94	18.308
10,900.0	10,870.2	11,017.0	10,868.6	20.5	31.0	73.18	495.1	1,293.0	950.9	898.9		52.03	18.277
11,000.0	10,970.2	11,117.0	10,968.6	20.5	31.0	73.18	495.1	1,293.0	950.9	898.8		52.12	18.245
11,100.0	11,070.2	11,217.0	11,068.6	20.6	31.1	73.18	495.1	1,293.0	950.9	898.7		52.20	18.215
11,161.8	11,132.0	11,278.9	11,130.4	20.6	31.1	73.18	495.1	1,293.0	950.9	898.7		52.24	18.202
11,200.0	11,170.2	11,300.0	11,151.5	20.6	31.1	-106.44	495.4	1,293.0	951.5	899.1		52.38	18.165
11,250.0	11,219.9	11,337.9	11,189.3	20.6	31.1	-106.56	498.1	1,293.0	954.2	901.7		52.50	18.176
11,300.0	11,268.9	11,369.3	11,220.4	20.7	31.1	-106.67	502.1	1,293.0	959.0	906.4		52.65	18.214
11,350.0	11,316.8	11,400.0	11,250.6	20.7	31.1	-106.78	507.7	1,293.0	966.2	913.4		52.80	18.299
11,400.0	11,363.4	11,424.2	11,274.2	20.7	31.1	-106.62	513.2	1,293.0	976.0	923.0		52.97	18.425
11,450.0	11,408.2	11,450.0	11,299.0	20.8	31.1	-106.39	520.3	1,293.0	988.4	935.3		53.09	18.616

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #714H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11509-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+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	24.02	199.5	88.9	218.4				
100.0	100.0	98.3	98.3	3.0	3.0	24.02	199.5	88.9	218.4	211.9	6.52	33.500	
200.0	200.0	198.3	198.3	3.2	3.2	24.02	199.5	88.9	218.4	211.7	6.77	32.279	
300.0	300.0	298.3	298.3	3.3	3.3	24.02	199.5	88.9	218.4	211.4	7.01	31.151	
400.0	400.0	398.3	398.3	3.4	3.4	24.02	199.5	88.9	218.4	211.2	7.25	30.112	
500.0	500.0	498.3	498.3	3.5	3.5	24.02	199.5	88.9	218.4	210.9	7.49	29.151	
600.0	600.0	598.3	598.3	3.7	3.7	24.02	199.5	88.9	218.4	210.7	7.73	28.257	
700.0	700.0	698.3	698.3	3.8	3.8	24.02	199.5	88.9	218.4	210.5	7.97	27.424	
800.0	800.0	798.3	798.3	3.9	3.9	24.02	199.5	88.9	218.4	210.2	8.20	26.645	
900.0	900.0	898.3	898.3	4.0	4.0	24.02	199.5	88.9	218.4	210.0	8.43	25.914	
1,000.0	1,000.0	998.3	998.3	4.2	4.2	24.02	199.5	88.9	218.4	209.8	8.66	25.226 CC, ES	
1,100.0	1,100.0	1,094.4	1,094.4	4.3	4.3	24.36	199.8	90.4	219.3	210.4	8.91	24.622	
1,200.0	1,200.0	1,190.1	1,190.0	4.4	4.4	25.38	200.5	95.1	222.1	212.9	9.15	24.275	
1,300.0	1,300.0	1,285.5	1,285.0	4.5	4.6	27.03	201.7	102.9	226.9	217.5	9.39	24.167	
1,400.0	1,400.0	1,380.2	1,379.1	4.6	4.8	29.22	203.5	113.8	233.9	224.3	9.63	24.296	
1,500.0	1,500.0	1,474.1	1,471.9	4.8	5.0	31.81	205.6	127.6	243.4	233.6	9.87	24.666	
1,600.0	1,600.0	1,567.1	1,563.4	4.9	5.2	4.70	208.3	144.2	254.4	244.3	10.12	25.130	
1,700.0	1,699.9	1,659.2	1,653.4	5.1	5.5	7.82	211.3	163.5	265.8	255.3	10.49	25.344	
1,800.0	1,799.7	1,750.5	1,741.9	5.3	5.6	11.12	214.8	185.4	277.9	267.1	10.83	25.655	
1,900.0	1,899.3	1,848.2	1,836.3	5.5	5.8	14.65	218.8	210.4	289.8	278.6	11.25	25.760	
2,000.0	1,998.6	1,946.0	1,930.8	5.8	6.1	18.03	222.7	235.4	300.3	288.5	11.75	25.553	
2,033.3	2,031.6	1,978.6	1,962.3	5.8	6.2	19.14	224.0	243.8	303.5	291.6	11.89	25.528	
2,100.0	2,097.6	2,044.0	2,025.5	6.0	6.3	11.88	226.7	260.5	309.8	297.6	12.21	25.384	
2,200.0	2,196.7	2,142.6	2,120.7	6.3	6.6	-0.28	230.7	285.7	319.7	307.0	12.77	25.032	
2,266.5	2,262.7	2,208.5	2,184.3	6.4	6.9	-8.37	233.4	302.5	326.4	313.2	13.14	24.834	
2,300.0	2,295.8	2,241.6	2,216.3	6.5	7.0	-7.84	234.7	311.0	329.7	316.4	13.32	24.742	
2,400.0	2,394.8	2,340.7	2,312.1	6.7	7.3	-6.33	238.7	336.3	339.8	325.8	13.97	24.317	
2,500.0	2,493.9	2,439.8	2,407.8	7.0	7.7	-4.90	242.7	361.7	350.1	335.4	14.65	23.893	
2,600.0	2,592.9	2,538.9	2,503.5	7.3	8.0	-3.56	246.7	387.0	360.6	345.2	15.36	23.477	
2,700.0	2,691.9	2,638.0	2,599.2	7.6	8.4	-2.29	250.7	412.3	371.3	355.2	16.09	23.076	
2,800.0	2,790.9	2,737.1	2,694.9	8.0	8.8	-1.09	254.8	437.7	382.2	365.3	16.84	22.692	
2,900.0	2,890.0	2,836.2	2,790.7	8.3	9.2	0.04	258.8	463.0	393.2	375.6	17.61	22.328	
3,000.0	2,989.0	2,935.3	2,886.4	8.7	9.7	1.11	262.8	488.3	404.4	386.0	18.39	21.984	
3,100.0	3,088.0	3,034.4	2,982.1	9.0	10.1	2.12	266.8	513.7	415.7	396.5	19.19	21.661	
3,200.0	3,187.0	3,133.5	3,077.8	9.4	10.5	3.07	270.8	539.0	427.1	407.1	20.00	21.357	
3,300.0	3,286.1	3,232.6	3,173.6	9.8	10.9	3.98	274.8	564.3	438.7	417.8	20.82	21.074	
3,400.0	3,385.1	3,331.7	3,269.3	10.1	11.4	4.84	278.8	589.7	450.3	428.7	21.64	20.809	
3,500.0	3,484.1	3,430.8	3,365.0	10.5	11.8	5.66	282.8	615.0	462.0	439.6	22.47	20.561	
3,600.0	3,583.1	3,529.9	3,460.7	10.9	12.3	6.44	286.9	640.3	473.9	450.6	23.31	20.330	
3,700.0	3,682.2	3,629.0	3,556.4	11.3	12.7	7.18	290.9	665.7	485.8	461.6	24.15	20.114	
3,800.0	3,781.2	3,728.1	3,652.2	11.7	13.2	7.88	294.9	691.0	497.8	472.8	25.00	19.913	
3,900.0	3,880.2	3,827.2	3,747.9	12.1	13.6	8.55	298.9	716.3	509.8	484.0	25.85	19.724	
4,000.0	3,979.3	3,926.3	3,843.6	12.5	14.1	9.19	302.9	741.7	521.9	495.2	26.70	19.548	
4,100.0	4,078.3	4,025.4	3,939.3	12.9	14.5	9.80	306.9	767.0	534.1	506.6	27.56	19.383	
4,200.0	4,177.3	4,124.5	4,035.0	13.3	15.0	10.38	310.9	792.3	546.4	517.9	28.41	19.229	
4,300.0	4,276.3	4,223.6	4,130.8	13.7	15.5	10.94	314.9	817.7	558.7	529.4	29.27	19.084	
4,400.0	4,375.4	4,322.7	4,226.5	14.1	15.9	11.48	319.0	843.0	571.0	540.9	30.13	18.948	
4,500.0	4,474.4	4,421.8	4,322.2	14.5	16.4	11.99	323.0	868.3	583.4	552.4	31.00	18.821	
4,600.0	4,573.4	4,520.9	4,417.9	14.9	16.9	12.48	327.0	893.6	595.8	564.0	31.86	18.701	
4,700.0	4,672.4	4,620.0	4,513.6	15.3	17.3	12.95	331.0	919.0	608.3	575.6	32.73	18.588	
4,796.5	4,768.0	4,715.6	4,606.0	15.7	17.8	13.38	334.9	943.4	620.4	586.8	33.56	18.486	
4,800.0	4,771.5	4,719.1	4,609.4	15.7	17.8	13.40	335.0	944.3	620.8	587.2	33.59	18.484	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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		Offset Wellbore Centre		Distance		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,870.7	4,817.9	4,704.9	16.3	18.3	13.86	339.0	969.6	635.2	600.6	34.56	18.381	SF
5,000.0	4,970.4	4,916.3	4,799.9	16.7	18.8	14.25	343.0	994.7	652.9	617.5	35.41	18.438	
5,100.0	5,070.2	5,014.0	4,894.3	17.0	19.2	14.56	346.9	1,019.7	673.9	637.7	36.23	18.603	
5,196.5	5,166.7	5,107.6	4,984.7	17.2	19.7	78.80	350.7	1,043.6	697.4	660.5	36.87	18.914	
5,200.0	5,170.2	5,111.0	4,987.9	17.2	19.7	78.81	350.9	1,044.5	698.3	661.4	36.89	18.929	
5,300.0	5,270.2	5,207.6	5,081.2	17.3	20.2	78.89	354.8	1,069.2	724.1	686.6	37.53	19.295	
5,400.0	5,370.2	5,304.2	5,174.5	17.4	20.6	78.96	358.7	1,093.9	750.0	711.9	38.10	19.687	
5,500.0	5,470.2	5,400.8	5,267.8	17.4	21.1	79.03	362.6	1,118.6	775.9	737.2	38.67	20.064	
5,600.0	5,570.2	5,497.4	5,361.1	17.5	21.6	79.09	366.5	1,143.3	801.7	762.5	39.25	20.428	
5,700.0	5,670.2	5,594.0	5,454.4	17.5	22.0	79.15	370.4	1,168.0	827.6	787.8	39.83	20.780	
5,800.0	5,770.2	5,690.6	5,547.7	17.6	22.5	79.21	374.3	1,192.7	853.5	813.1	40.41	21.119	
5,900.0	5,870.2	5,787.1	5,641.0	17.6	23.0	79.26	378.2	1,217.3	879.3	838.3	41.00	21.446	
6,000.0	5,970.2	5,883.7	5,734.3	17.7	23.4	79.31	382.2	1,242.0	905.2	863.6	41.60	21.762	
6,100.0	6,070.2	5,980.3	5,827.6	17.8	23.9	79.36	386.1	1,266.7	931.1	888.9	42.19	22.068	
6,200.0	6,170.2	6,076.9	5,920.9	17.8	24.4	79.40	390.0	1,291.4	957.0	914.2	42.79	22.363	
6,300.0	6,270.2	6,173.5	6,014.2	17.9	24.8	79.44	393.9	1,316.1	982.8	939.4	43.40	22.648	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	1.2	1.2	3.0	3.0	-89.67	0.3	-60.0	60.1				
100.0	100.0	101.2	101.2	3.0	3.0	-89.67	0.3	-60.0	60.1	53.5	6.52	9.208	
200.0	200.0	201.2	201.2	3.2	3.2	-89.67	0.3	-60.0	60.1	53.3	6.76	8.881	
300.0	300.0	301.2	301.2	3.3	3.3	-89.67	0.3	-60.0	60.1	53.1	6.99	8.588	
400.0	400.0	401.2	401.2	3.4	3.4	-89.67	0.3	-60.0	60.1	52.8	7.22	8.322	
500.0	500.0	501.2	501.2	3.5	3.5	-89.67	0.3	-60.0	60.1	52.6	7.43	8.080	
600.0	600.0	601.2	601.2	3.7	3.7	-89.67	0.3	-60.0	60.1	52.4	7.64	7.859	
700.0	700.0	701.2	701.2	3.8	3.8	-89.67	0.3	-60.0	60.1	52.2	7.84	7.655	
800.0	800.0	801.2	801.2	3.9	3.9	-89.67	0.3	-60.0	60.1	52.0	8.04	7.466	
900.0	900.0	901.2	901.2	4.0	4.0	-89.67	0.3	-60.0	60.1	51.8	8.24	7.291	
1,000.0	1,000.0	1,001.2	1,001.2	4.2	4.2	-89.67	0.3	-60.0	60.1	51.6	8.42	7.129	
1,100.0	1,100.0	1,101.2	1,101.2	4.3	4.3	-89.67	0.3	-60.0	60.1	51.4	8.61	6.976	
1,200.0	1,200.0	1,201.2	1,201.2	4.4	4.4	-89.67	0.3	-60.0	60.1	51.3	8.79	6.834	
1,300.0	1,300.0	1,301.2	1,301.2	4.5	4.5	-89.67	0.3	-60.0	60.1	51.1	8.96	6.699	
1,400.0	1,400.0	1,401.2	1,401.2	4.6	4.6	-89.67	0.3	-60.0	60.1	50.9	9.14	6.573	
1,466.3	1,466.3	1,467.4	1,467.4	4.7	4.7	-89.67	0.3	-60.0	60.1	50.8	9.25	6.494 CC	
1,500.0	1,500.0	1,501.2	1,501.2	4.8	4.8	-89.67	0.4	-60.1	60.1	50.7	9.31	6.453 ES	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	-119.74	1.4	-61.5	62.1	52.6	9.55	6.507	
1,700.0	1,699.9	1,697.4	1,697.3	5.1	5.1	-119.98	4.3	-65.6	68.3	58.3	9.94	6.867	
1,800.0	1,799.7	1,794.9	1,794.4	5.3	5.4	-120.28	9.3	-72.3	78.5	68.1	10.34	7.588	
1,900.0	1,899.3	1,892.7	1,891.5	5.5	5.5	-120.70	16.0	-81.5	92.5	81.8	10.63	8.697	
2,000.0	1,998.6	1,991.4	1,989.4	5.8	5.7	-121.97	23.0	-91.3	108.2	97.2	11.02	9.825	
2,033.3	2,031.6	2,024.2	2,022.0	5.8	5.8	-122.55	25.4	-94.5	113.8	102.7	11.12	10.238	
2,100.0	2,097.6	2,089.8	2,087.1	6.0	6.0	-133.15	30.1	-101.0	125.6	114.3	11.36	11.059	
2,200.0	2,196.7	2,187.8	2,184.5	6.3	6.2	-148.49	37.1	-110.6	145.2	133.4	11.82	12.287	
2,266.5	2,262.7	2,252.8	2,249.0	6.4	6.4	-157.72	41.8	-117.0	159.5	147.4	12.10	13.178	
2,300.0	2,295.8	2,285.4	2,281.3	6.5	6.5	-157.42	44.1	-120.3	166.9	154.6	12.23	13.640	
2,400.0	2,394.8	2,382.9	2,378.1	6.7	6.8	-156.68	51.1	-129.9	189.0	176.3	12.73	14.848	
2,500.0	2,493.9	2,480.4	2,474.9	7.0	7.1	-156.09	58.1	-139.5	211.2	197.9	13.25	15.942	
2,600.0	2,592.9	2,577.9	2,571.6	7.3	7.4	-155.61	65.0	-149.1	233.3	219.6	13.78	16.932	
2,700.0	2,691.9	2,675.4	2,668.4	7.6	7.8	-155.22	72.0	-158.7	255.5	241.2	14.33	17.829	
2,800.0	2,790.9	2,772.9	2,765.2	8.0	8.1	-154.89	79.0	-168.3	277.7	262.8	14.90	18.641	
2,900.0	2,890.0	2,870.4	2,861.9	8.3	8.4	-154.60	86.0	-177.9	300.0	284.5	15.48	19.378	
3,000.0	2,989.0	2,967.9	2,958.7	8.7	8.8	-154.36	93.0	-187.5	322.2	306.1	16.07	20.048	
3,100.0	3,088.0	3,065.4	3,055.5	9.0	9.1	-154.15	100.0	-197.2	344.4	327.7	16.67	20.657	
3,200.0	3,187.0	3,162.9	3,152.2	9.4	9.5	-153.96	106.9	-206.8	366.6	349.3	17.28	21.213	
3,300.0	3,286.1	3,260.4	3,249.0	9.8	9.8	-153.80	113.9	-216.4	388.8	370.9	17.90	21.721	
3,400.0	3,385.1	3,357.9	3,345.8	10.1	10.2	-153.65	120.9	-226.0	411.1	392.5	18.53	22.186	
3,500.0	3,484.1	3,455.4	3,442.5	10.5	10.6	-153.52	127.9	-235.6	433.3	414.1	19.16	22.613	
3,600.0	3,583.1	3,552.9	3,539.3	10.9	10.9	-153.40	134.9	-245.2	455.5	435.7	19.80	23.005	
3,700.0	3,682.2	3,650.3	3,636.1	11.3	11.3	-153.29	141.9	-254.8	477.8	457.3	20.45	23.367	
3,800.0	3,781.2	3,747.8	3,732.8	11.7	11.7	-153.19	148.8	-264.4	500.0	478.9	21.10	23.701	
3,900.0	3,880.2	3,845.3	3,829.6	12.1	12.1	-153.11	155.8	-274.1	522.3	500.5	21.75	24.010	
4,000.0	3,979.3	3,942.8	3,926.4	12.5	12.4	-153.02	162.8	-283.7	544.5	522.1	22.41	24.297	
4,100.0	4,078.3	4,040.3	4,023.1	12.9	12.8	-152.95	169.8	-293.3	566.7	543.7	23.07	24.563	
4,200.0	4,177.3	4,137.8	4,119.9	13.3	13.2	-152.88	176.8	-302.9	589.0	565.3	23.74	24.811	
4,300.0	4,276.3	4,235.3	4,216.6	13.7	13.6	-152.81	183.8	-312.5	611.2	586.8	24.41	25.042	
4,400.0	4,375.4	4,332.8	4,313.4	14.1	14.0	-152.75	190.8	-322.1	633.5	608.4	25.08	25.258	
4,500.0	4,474.4	4,430.3	4,410.2	14.5	14.4	-152.69	197.7	-331.7	655.7	630.0	25.75	25.460	
4,600.0	4,573.4	4,527.8	4,506.9	14.9	14.8	-152.64	204.7	-341.3	678.0	651.5	26.43	25.650	
4,700.0	4,672.4	4,625.3	4,603.7	15.3	15.1	-152.59	211.7	-351.0	700.2	673.1	27.11	25.827	
4,796.5	4,768.0	4,719.3	4,697.1	15.7	15.5	-152.55	218.4	-360.2	721.7	693.9	27.77	25.991	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	
4,800.0	4,771.5	4,722.8	4,700.5	15.7	15.5	-152.55	218.7	-360.6	722.5	694.7	27.79	25.998	
4,900.0	4,870.7	4,820.6	4,797.6	16.3	15.9	-152.63	225.7	-370.2	743.1	714.5	28.59	25.991	
5,000.0	4,970.4	4,919.0	4,895.2	16.7	16.3	-152.57	232.7	-379.9	760.7	731.4	29.27	25.991	
5,100.0	5,070.2	5,017.8	4,993.3	17.0	16.7	-152.37	239.8	-389.7	775.2	745.3	29.91	25.918	
5,196.5	5,166.7	5,113.5	5,088.3	17.2	17.1	-88.04	246.7	-399.1	786.4	756.0	30.39	25.879	
5,200.0	5,170.2	5,117.0	5,091.7	17.2	17.1	-88.02	246.9	-399.4	786.8	756.4	30.40	25.881	
5,300.0	5,270.2	5,216.2	5,190.2	17.3	17.5	-87.54	254.0	-409.2	796.9	766.0	30.90	25.791	
5,400.0	5,370.2	5,315.5	5,288.8	17.4	17.9	-87.06	261.1	-419.0	807.1	775.8	31.31	25.782	
5,500.0	5,470.2	5,414.7	5,387.3	17.4	18.3	-86.59	268.3	-428.8	817.4	785.7	31.72	25.773	
5,600.0	5,570.2	5,524.4	5,496.2	17.5	18.8	-86.12	275.7	-439.1	827.2	795.1	32.18	25.710	
5,700.0	5,670.2	5,637.9	5,609.2	17.5	19.2	-85.71	282.2	-448.0	835.5	802.8	32.66	25.580	
5,800.0	5,770.2	5,751.8	5,722.7	17.6	19.6	-85.40	287.4	-455.2	842.1	809.0	33.13	25.420	
5,900.0	5,870.2	5,866.0	5,836.8	17.6	20.0	-85.16	291.3	-460.5	847.1	813.5	33.56	25.237	
6,000.0	5,970.2	5,980.5	5,951.1	17.7	20.4	-85.01	293.8	-464.0	850.3	816.3	33.96	25.037	
6,100.0	6,070.2	6,095.1	6,065.7	17.8	20.7	-84.94	295.0	-465.7	851.8	817.5	34.30	24.836	
6,200.0	6,170.2	6,200.8	6,171.4	17.8	20.8	-84.94	295.1	-465.8	851.9	817.5	34.42	24.753	
6,300.0	6,270.2	6,300.8	6,271.4	17.9	20.8	-84.94	295.1	-465.8	851.9	817.4	34.52	24.679	
6,400.0	6,370.2	6,400.8	6,371.4	17.9	20.8	-84.94	295.1	-465.8	851.9	817.3	34.63	24.604	
6,500.0	6,470.2	6,500.8	6,471.4	18.0	20.9	-84.94	295.1	-465.8	851.9	817.2	34.73	24.530	
6,600.0	6,570.2	6,600.8	6,571.4	18.0	20.9	-84.94	295.1	-465.8	851.9	817.1	34.83	24.457	
6,700.0	6,670.2	6,700.8	6,671.4	18.1	21.0	-84.94	295.1	-465.8	851.9	817.0	34.94	24.383	
6,800.0	6,770.2	6,800.8	6,771.4	18.1	21.0	-84.94	295.1	-465.8	851.9	816.9	35.05	24.309	
6,900.0	6,870.2	6,900.8	6,871.4	18.2	21.1	-84.94	295.1	-465.8	851.9	816.8	35.15	24.236	
7,000.0	6,970.2	7,000.8	6,971.4	18.2	21.1	-84.94	295.1	-465.8	851.9	816.7	35.26	24.163	
7,100.0	7,070.2	7,100.8	7,071.4	18.3	21.2	-84.94	295.1	-465.8	851.9	816.6	35.37	24.090	
7,200.0	7,170.2	7,200.8	7,171.4	18.3	21.2	-84.94	295.1	-465.8	851.9	816.5	35.47	24.017	
7,300.0	7,270.2	7,300.8	7,271.4	18.4	21.3	-84.94	295.1	-465.8	851.9	816.4	35.58	23.944	
7,400.0	7,370.2	7,400.8	7,371.4	18.4	21.3	-84.94	295.1	-465.8	851.9	816.3	35.69	23.871	
7,500.0	7,470.2	7,500.8	7,471.4	18.5	21.3	-84.94	295.1	-465.8	851.9	816.1	35.80	23.799	
7,600.0	7,570.2	7,600.8	7,571.4	18.5	21.4	-84.94	295.1	-465.8	851.9	816.0	35.91	23.727	
7,700.0	7,670.2	7,700.8	7,671.4	18.6	21.4	-84.94	295.1	-465.8	851.9	815.9	36.02	23.654	
7,800.0	7,770.2	7,800.8	7,771.4	18.7	21.5	-84.94	295.1	-465.8	851.9	815.8	36.13	23.583	
7,900.0	7,870.2	7,900.8	7,871.4	18.7	21.5	-84.94	295.1	-465.8	851.9	815.7	36.24	23.511	
8,000.0	7,970.2	8,000.8	7,971.4	18.8	21.6	-84.94	295.1	-465.8	851.9	815.6	36.35	23.439	
8,100.0	8,070.2	8,100.8	8,071.4	18.8	21.6	-84.94	295.1	-465.8	851.9	815.5	36.46	23.368	
8,200.0	8,170.2	8,200.8	8,171.4	18.9	21.7	-84.94	295.1	-465.8	851.9	815.4	36.57	23.297	
8,300.0	8,270.2	8,300.8	8,271.4	18.9	21.7	-84.94	295.1	-465.8	851.9	815.3	36.68	23.226	
8,400.0	8,370.2	8,400.8	8,371.4	19.0	21.8	-84.94	295.1	-465.8	851.9	815.1	36.79	23.155	
8,500.0	8,470.2	8,500.8	8,471.4	19.0	21.8	-84.94	295.1	-465.8	851.9	815.0	36.91	23.085	
8,600.0	8,570.2	8,600.8	8,571.4	19.1	21.9	-84.94	295.1	-465.8	851.9	814.9	37.02	23.014	
8,700.0	8,670.2	8,700.8	8,671.4	19.2	21.9	-84.94	295.1	-465.8	851.9	814.8	37.13	22.944	
8,800.0	8,770.2	8,800.8	8,771.4	19.2	22.0	-84.94	295.1	-465.8	851.9	814.7	37.24	22.874	
8,900.0	8,870.2	8,900.8	8,871.4	19.3	22.0	-84.94	295.1	-465.8	851.9	814.6	37.36	22.804	
9,000.0	8,970.2	9,000.8	8,971.4	19.3	22.1	-84.94	295.1	-465.8	851.9	814.5	37.47	22.735	
9,100.0	9,070.2	9,100.8	9,071.4	19.4	22.1	-84.94	295.1	-465.8	851.9	814.4	37.59	22.666	
9,200.0	9,170.2	9,200.8	9,171.4	19.4	22.2	-84.94	295.1	-465.8	851.9	814.2	37.70	22.596	
9,300.0	9,270.2	9,300.8	9,271.4	19.5	22.2	-84.94	295.1	-465.8	851.9	814.1	37.82	22.528	
9,400.0	9,370.2	9,400.8	9,371.4	19.6	22.3	-84.94	295.1	-465.8	851.9	814.0	37.93	22.459	
9,500.0	9,470.2	9,500.8	9,471.4	19.6	22.3	-84.94	295.1	-465.8	851.9	813.9	38.05	22.390	
9,600.0	9,570.2	9,600.8	9,571.4	19.7	22.4	-84.94	295.1	-465.8	851.9	813.8	38.17	22.322	
9,700.0	9,670.2	9,700.8	9,671.4	19.7	22.4	-84.94	295.1	-465.8	851.9	813.7	38.28	22.254	
9,800.0	9,770.2	9,800.8	9,771.4	19.8	22.5	-84.94	295.1	-465.8	851.9	813.5	38.40	22.186	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.0	9,870.2	9,900.8	9,871.4	19.9	22.5	-84.94	295.1	-465.8	851.9	813.4	38.52	22.119	
10,000.0	9,970.2	10,000.8	9,971.4	19.9	22.6	-84.94	295.1	-465.8	851.9	813.3	38.63	22.052	
10,100.0	10,070.2	10,100.8	10,071.4	20.0	22.6	-84.94	295.1	-465.8	851.9	813.2	38.75	21.985	
10,200.0	10,170.2	10,200.8	10,171.4	20.0	22.7	-84.94	295.1	-465.8	851.9	813.1	38.87	21.918	
10,300.0	10,270.2	10,300.8	10,271.4	20.1	22.7	-84.94	295.1	-465.8	851.9	813.0	38.99	21.851	
10,400.0	10,370.2	10,400.8	10,371.4	20.2	22.8	-84.94	295.1	-465.8	851.9	812.8	39.11	21.785	
10,500.0	10,470.2	10,500.8	10,471.4	20.2	22.8	-84.94	295.1	-465.8	851.9	812.7	39.23	21.719	
10,600.0	10,570.2	10,600.8	10,571.4	20.3	22.9	-84.94	295.1	-465.8	851.9	812.6	39.35	21.653	
10,700.0	10,670.2	10,700.8	10,671.4	20.3	22.9	-84.94	295.1	-465.8	851.9	812.5	39.47	21.587	
10,800.0	10,770.2	10,800.8	10,771.4	20.4	23.0	-84.94	295.1	-465.8	851.9	812.4	39.59	21.522	
10,900.0	10,870.2	10,900.8	10,871.4	20.5	23.0	-84.94	295.1	-465.8	851.9	812.2	39.71	21.456	
11,000.0	10,970.2	11,000.8	10,971.4	20.5	23.1	-84.94	295.1	-465.8	851.9	812.1	39.83	21.391	
11,100.0	11,070.2	11,100.8	11,071.4	20.6	23.2	-84.94	295.1	-465.8	851.9	812.0	39.95	21.327	
11,161.8	11,132.0	11,162.8	11,133.4	20.6	23.2	-84.94	295.1	-465.8	851.9	811.9	40.00	21.298	
11,200.0	11,170.2	11,207.2	11,177.8	20.6	23.2	95.42	293.3	-465.8	851.9	811.9	40.01	21.290	
11,250.0	11,219.9	11,265.3	11,235.4	20.6	23.2	95.35	285.7	-465.7	851.8	811.8	40.02	21.286	
11,300.0	11,268.9	11,323.2	11,291.7	20.7	23.3	95.23	272.4	-465.6	851.7	811.6	40.01	21.284	
11,350.0	11,316.8	11,380.9	11,346.2	20.7	23.3	95.06	253.6	-465.5	851.4	811.4	40.01	21.282	
11,400.0	11,363.4	11,438.1	11,398.1	20.7	23.3	94.86	229.6	-465.4	851.2	811.2	40.00	21.281	
11,450.0	11,408.2	11,495.0	11,447.1	20.8	23.4	94.61	200.7	-465.2	850.9	810.9	39.98	21.280	
11,500.0	11,450.9	11,551.4	11,492.6	20.8	23.4	94.32	167.5	-465.0	850.5	810.6	39.97	21.279	
11,550.0	11,491.2	11,607.2	11,534.2	20.8	23.4	94.00	130.3	-464.7	850.2	810.2	39.96	21.275	
11,600.0	11,528.7	11,662.4	11,571.6	20.9	23.5	93.64	89.7	-464.5	849.8	809.9	39.96	21.269	
11,650.0	11,563.3	11,717.0	11,604.5	20.9	23.5	93.26	46.3	-464.2	849.5	809.5	39.96	21.258	
11,700.0	11,594.5	11,770.9	11,632.9	20.9	23.6	92.85	0.4	-463.9	849.2	809.2	39.97	21.243	
11,750.0	11,622.2	11,824.2	11,656.6	21.0	23.6	92.43	-47.3	-463.6	848.9	808.9	40.00	21.221	
11,800.0	11,646.2	11,876.7	11,675.5	21.0	23.6	91.98	-96.3	-463.2	848.6	808.6	40.04	21.192	
11,850.0	11,666.3	11,928.7	11,689.7	21.1	23.7	91.53	-146.2	-462.9	848.4	808.3	40.10	21.156	
11,900.0	11,682.3	11,979.9	11,699.2	21.1	23.7	91.06	-196.6	-462.6	848.3	808.1	40.18	21.111	
11,950.0	11,694.1	12,030.5	11,704.2	21.2	23.8	90.59	-246.9	-462.3	848.2	807.9	40.28	21.058	
12,000.0	11,701.7	12,080.4	11,705.0	21.2	23.8	90.14	-296.8	-461.9	848.1	807.7	40.39	20.996	
12,027.9	11,704.0	12,108.3	11,705.0	21.3	23.9	89.99	-324.6	-461.8	848.1	807.6	40.47	20.958	
12,050.0	11,704.9	12,130.3	11,705.0	21.3	23.9	89.93	-346.7	-461.6	848.1	807.6	40.53	20.925	
12,061.8	11,705.0	12,142.1	11,705.0	21.3	23.9	89.92	-358.5	-461.5	848.1	807.5	40.56	20.907	
12,100.0	11,705.0	12,180.3	11,705.0	21.3	23.9	89.92	-396.7	-461.3	848.1	807.4	40.68	20.849	
12,200.0	11,705.0	12,280.3	11,705.0	21.5	24.1	89.92	-496.7	-460.6	848.1	807.1	41.03	20.669	
12,300.0	11,705.0	12,380.3	11,705.0	21.6	24.2	89.92	-596.7	-460.0	848.1	806.7	41.44	20.467	
12,400.0	11,705.0	12,480.3	11,705.0	21.8	24.4	89.92	-696.7	-459.3	848.1	806.2	41.89	20.245	
12,500.0	11,705.0	12,580.3	11,705.0	22.0	24.5	89.92	-796.7	-458.7	848.1	805.7	42.40	20.003	
12,600.0	11,705.0	12,680.3	11,705.0	22.3	24.7	89.92	-896.7	-458.0	848.1	805.1	42.95	19.746	
12,700.0	11,705.0	12,780.3	11,705.0	22.5	24.9	89.92	-996.7	-457.4	848.1	804.5	43.55	19.475	
12,800.0	11,705.0	12,880.3	11,705.0	22.8	25.2	89.92	-1,096.7	-456.7	848.1	803.9	44.19	19.192	
12,900.0	11,705.0	12,980.3	11,705.0	23.0	25.4	89.92	-1,196.7	-456.1	848.1	803.2	44.87	18.899	
13,000.0	11,705.0	13,080.3	11,705.0	23.3	25.7	89.92	-1,296.7	-455.4	848.1	802.5	45.60	18.599	
13,100.0	11,705.0	13,180.3	11,705.0	23.7	26.0	89.92	-1,396.7	-454.8	848.1	801.7	46.36	18.293	
13,200.0	11,705.0	13,280.3	11,705.0	24.0	26.3	89.92	-1,496.7	-454.1	848.1	800.9	47.16	17.984	
13,300.0	11,705.0	13,380.3	11,705.0	24.4	26.6	89.92	-1,596.7	-453.5	848.1	800.1	47.99	17.672	
13,400.0	11,705.0	13,480.3	11,705.0	24.8	26.9	89.92	-1,696.7	-452.8	848.1	799.2	48.86	17.359	
13,500.0	11,705.0	13,580.3	11,705.0	25.2	27.3	89.92	-1,796.7	-452.2	848.1	798.3	49.75	17.046	
13,600.0	11,705.0	13,680.3	11,705.0	25.6	27.6	89.92	-1,896.7	-451.5	848.1	797.4	50.68	16.735	
13,700.0	11,705.0	13,780.3	11,705.0	26.1	28.0	89.92	-1,996.7	-450.9	848.1	796.5	51.63	16.426	
13,800.0	11,705.0	13,880.3	11,705.0	26.5	28.4	89.92	-2,096.7	-450.2	848.1	795.5	52.61	16.120	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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		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)			
13,900.0	11,705.0	13,980.3	11,705.0	27.0	28.9	89.92	-2,196.7	-449.6	848.1	794.5	53.61	15.818	
14,000.0	11,705.0	14,080.3	11,705.0	27.5	29.3	89.92	-2,296.7	-448.9	848.1	793.4	54.64	15.521	
14,100.0	11,705.0	14,180.3	11,705.0	28.0	29.8	89.92	-2,396.7	-448.2	848.1	792.4	55.69	15.229	
14,200.0	11,705.0	14,280.3	11,705.0	28.5	30.2	89.92	-2,496.6	-447.6	848.1	791.3	56.76	14.942	
14,300.0	11,705.0	14,380.3	11,705.0	29.0	30.7	89.92	-2,596.6	-446.9	848.1	790.2	57.85	14.660	
14,400.0	11,705.0	14,480.3	11,705.0	29.6	31.2	89.92	-2,696.6	-446.3	848.1	789.1	58.96	14.385	
14,500.0	11,705.0	14,580.3	11,705.0	30.1	31.7	89.92	-2,796.6	-445.6	848.1	788.0	60.08	14.115	
14,600.0	11,705.0	14,680.3	11,705.0	30.7	32.2	89.92	-2,896.6	-445.0	848.1	786.8	61.22	13.852	
14,700.0	11,705.0	14,780.3	11,705.0	31.2	32.8	89.92	-2,996.6	-444.3	848.1	785.7	62.38	13.595	
14,800.0	11,705.0	14,880.3	11,705.0	31.8	33.3	89.92	-3,096.6	-443.7	848.1	784.5	63.55	13.344	
14,900.0	11,705.0	14,980.3	11,705.0	32.4	33.9	89.92	-3,196.6	-443.0	848.1	783.3	64.74	13.100	
15,000.0	11,705.0	15,080.3	11,705.0	33.0	34.4	89.92	-3,296.6	-442.4	848.1	782.1	65.94	12.861	
15,100.0	11,705.0	15,180.3	11,705.0	33.6	35.0	89.92	-3,396.6	-441.7	848.1	780.9	67.15	12.629	
15,200.0	11,705.0	15,280.3	11,705.0	34.2	35.6	89.92	-3,496.6	-441.1	848.1	779.7	68.37	12.403	
15,300.0	11,705.0	15,380.3	11,705.0	34.8	36.2	89.92	-3,596.6	-440.4	848.1	778.5	69.61	12.183	
15,400.0	11,705.0	15,480.3	11,705.0	35.5	36.7	89.92	-3,696.6	-439.8	848.1	777.2	70.86	11.969	
15,500.0	11,705.0	15,580.3	11,705.0	36.1	37.4	89.92	-3,796.6	-439.1	848.1	776.0	72.11	11.761	
15,600.0	11,705.0	15,680.3	11,705.0	36.7	38.0	89.92	-3,896.6	-438.5	848.1	774.7	73.38	11.558	
15,700.0	11,705.0	15,780.3	11,705.0	37.4	38.6	89.92	-3,996.6	-437.8	848.1	773.4	74.65	11.361	
15,800.0	11,705.0	15,880.3	11,705.0	38.0	39.2	89.92	-4,096.6	-437.2	848.1	772.1	75.93	11.169	
15,900.0	11,705.0	15,980.3	11,705.0	38.6	39.8	89.92	-4,196.6	-436.5	848.1	770.8	77.22	10.982	
16,000.0	11,705.0	16,080.3	11,705.0	39.3	40.5	89.92	-4,296.6	-435.9	848.1	769.5	78.52	10.800	
16,100.0	11,705.0	16,180.3	11,705.0	40.0	41.1	89.92	-4,396.6	-435.2	848.1	768.2	79.83	10.624	
16,200.0	11,705.0	16,280.3	11,705.0	40.6	41.7	89.92	-4,496.6	-434.6	848.1	766.9	81.14	10.452	
16,300.0	11,705.0	16,380.3	11,705.0	41.3	42.4	89.92	-4,596.6	-433.9	848.1	765.6	82.46	10.285	
16,400.0	11,705.0	16,480.3	11,705.0	42.0	43.0	89.92	-4,696.6	-433.3	848.0	764.3	83.78	10.122	
16,500.0	11,705.0	16,580.3	11,705.0	42.6	43.7	89.92	-4,796.6	-432.6	848.0	762.9	85.12	9.963	
16,600.0	11,705.0	16,680.3	11,705.0	43.3	44.3	89.92	-4,896.6	-432.0	848.0	761.6	86.45	9.809	
16,700.0	11,705.0	16,780.3	11,705.0	44.0	45.0	89.92	-4,996.6	-431.3	848.0	760.2	87.80	9.659	
16,800.0	11,705.0	16,880.3	11,705.0	44.7	45.7	89.92	-5,096.6	-430.6	848.0	758.9	89.15	9.513	
16,900.0	11,705.0	16,980.3	11,705.0	45.3	46.3	89.92	-5,196.6	-430.0	848.0	757.5	90.50	9.371	
17,000.0	11,705.0	17,080.3	11,705.0	46.0	47.0	89.92	-5,296.6	-429.3	848.0	756.2	91.86	9.232	
17,100.0	11,705.0	17,180.3	11,705.0	46.7	47.7	89.92	-5,396.6	-428.7	848.0	754.8	93.22	9.097	
17,200.0	11,705.0	17,280.3	11,705.0	47.4	48.4	89.92	-5,496.6	-428.0	848.0	753.5	94.59	8.966	
17,300.0	11,705.0	17,380.3	11,705.0	48.1	49.1	89.92	-5,596.6	-427.4	848.0	752.1	95.96	8.838	
17,400.0	11,705.0	17,480.3	11,705.0	48.8	49.7	89.92	-5,696.6	-426.7	848.0	750.7	97.33	8.713	
17,500.0	11,705.0	17,580.3	11,705.0	49.5	50.4	89.92	-5,796.6	-426.1	848.0	749.3	98.71	8.591	
17,600.0	11,705.0	17,680.3	11,705.0	50.2	51.1	89.92	-5,896.6	-425.4	848.0	747.9	100.10	8.472	
17,700.0	11,705.0	17,780.3	11,705.0	50.9	51.8	89.92	-5,996.6	-424.8	848.0	746.6	101.48	8.357	
17,800.0	11,705.0	17,880.3	11,705.0	51.6	52.5	89.92	-6,096.6	-424.1	848.0	745.2	102.87	8.244	
17,900.0	11,705.0	17,980.3	11,705.0	52.3	53.2	89.92	-6,196.6	-423.5	848.0	743.8	104.26	8.133	
18,000.0	11,705.0	18,080.3	11,705.0	53.0	53.9	89.92	-6,296.6	-422.8	848.0	742.4	105.66	8.026	
18,100.0	11,705.0	18,180.3	11,705.0	53.7	54.6	89.92	-6,396.6	-422.2	848.0	741.0	107.06	7.921	
18,200.0	11,705.0	18,280.3	11,705.0	54.4	55.3	89.92	-6,496.6	-421.5	848.0	739.6	108.46	7.819	
18,300.0	11,705.0	18,380.3	11,705.0	55.2	56.0	89.92	-6,596.6	-420.9	848.0	738.2	109.87	7.719	
18,400.0	11,705.0	18,480.3	11,705.0	55.9	56.7	89.92	-6,696.6	-420.2	848.0	736.8	111.27	7.621	
18,500.0	11,705.0	18,580.3	11,705.0	56.6	57.4	89.92	-6,796.6	-419.6	848.0	735.3	112.68	7.526	
18,600.0	11,705.0	18,680.3	11,705.0	57.3	58.1	89.92	-6,896.6	-418.9	848.0	733.9	114.10	7.433	
18,700.0	11,705.0	18,780.3	11,705.0	58.0	58.8	89.92	-6,996.6	-418.3	848.0	732.5	115.51	7.341	
18,800.0	11,705.0	18,880.3	11,705.0	58.7	59.5	89.92	-7,096.6	-417.6	848.0	731.1	116.93	7.252	
18,900.0	11,705.0	18,980.3	11,705.0	59.5	60.2	89.92	-7,196.5	-417.0	848.0	729.7	118.35	7.165	
19,000.0	11,705.0	19,080.3	11,705.0	60.2	61.0	89.92	-7,296.5	-416.3	848.0	728.2	119.77	7.080	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,100.0	11,705.0	19,180.3	11,705.0	60.9	61.7	89.92	-7,396.5	-415.7	848.0	726.8	121.19	6.997	
19,200.0	11,705.0	19,280.3	11,705.0	61.6	62.4	89.92	-7,496.5	-415.0	848.0	725.4	122.62	6.916	
19,300.0	11,705.0	19,380.3	11,705.0	62.3	63.1	89.92	-7,596.5	-414.4	848.0	724.0	124.05	6.836	
19,400.0	11,705.0	19,480.3	11,705.0	63.1	63.8	89.92	-7,696.5	-413.7	848.0	722.5	125.47	6.758	
19,500.0	11,705.0	19,580.3	11,705.0	63.8	64.5	89.92	-7,796.5	-413.0	848.0	721.1	126.91	6.682	
19,600.0	11,705.0	19,680.3	11,705.0	64.5	65.3	89.92	-7,896.5	-412.4	848.0	719.7	128.34	6.608	
19,700.0	11,705.0	19,780.3	11,705.0	65.3	66.0	89.92	-7,996.5	-411.7	848.0	718.2	129.77	6.535	
19,800.0	11,705.0	19,880.3	11,705.0	66.0	66.7	89.92	-8,096.5	-411.1	848.0	716.8	131.21	6.463	
19,900.0	11,705.0	19,980.3	11,705.0	66.7	67.4	89.92	-8,196.5	-410.4	848.0	715.4	132.65	6.393	
20,000.0	11,705.0	20,080.3	11,705.0	67.4	68.2	89.92	-8,296.5	-409.8	848.0	713.9	134.09	6.324	
20,100.0	11,705.0	20,180.3	11,705.0	68.2	68.9	89.92	-8,396.5	-409.1	848.0	712.5	135.53	6.257	
20,200.0	11,705.0	20,280.3	11,705.0	68.9	69.6	89.92	-8,496.5	-408.5	848.0	711.0	136.97	6.191	
20,300.0	11,705.0	20,380.3	11,705.0	69.6	70.3	89.92	-8,596.5	-407.8	848.0	709.6	138.41	6.127	
20,400.0	11,705.0	20,480.3	11,705.0	70.4	71.1	89.92	-8,696.5	-407.2	848.0	708.1	139.86	6.063	
20,500.0	11,705.0	20,580.3	11,705.0	71.1	71.8	89.92	-8,796.5	-406.5	848.0	706.7	141.30	6.001	
20,600.0	11,705.0	20,680.3	11,705.0	71.8	72.5	89.92	-8,896.5	-405.9	848.0	705.2	142.75	5.940	
20,700.0	11,705.0	20,780.3	11,705.0	72.6	73.3	89.92	-8,996.5	-405.2	848.0	703.8	144.20	5.881	
20,800.0	11,705.0	20,880.3	11,705.0	73.3	74.0	89.92	-9,096.5	-404.6	848.0	702.3	145.65	5.822	
20,900.0	11,705.0	20,980.3	11,705.0	74.0	74.7	89.92	-9,196.5	-403.9	848.0	700.9	147.10	5.765	
21,000.0	11,705.0	21,080.3	11,705.0	74.8	75.5	89.92	-9,296.5	-403.3	848.0	699.4	148.55	5.708	
21,100.0	11,705.0	21,180.3	11,705.0	75.5	76.2	89.92	-9,396.5	-402.6	848.0	698.0	150.00	5.653	
21,200.0	11,705.0	21,280.3	11,705.0	76.3	76.9	89.92	-9,496.5	-402.0	848.0	696.5	151.46	5.599	
21,300.0	11,705.0	21,380.3	11,705.0	77.0	77.7	89.92	-9,596.5	-401.3	848.0	695.1	152.91	5.546	
21,400.0	11,705.0	21,480.3	11,705.0	77.7	78.4	89.92	-9,696.5	-400.7	848.0	693.6	154.37	5.493	
21,463.5	11,705.0	21,543.8	11,705.0	78.2	78.9	89.92	-9,760.0	-400.2	848.0	692.7	155.29	5.461	
21,500.0	11,705.0	21,580.3	11,705.0	78.5	79.1	89.92	-9,796.5	-400.0	848.0	692.2	155.82	5.442	
21,501.3	11,705.0	21,581.6	11,705.0	78.5	79.1	89.92	-9,797.7	-400.0	848.0	692.1	155.84	5.441	
21,513.5	11,705.0	21,581.6	11,705.0	78.6	79.1	89.92	-9,797.7	-400.0	848.1	692.1	155.93	5.439	
21,514.4	11,705.0	21,581.6	11,705.0	78.6	79.1	89.92	-9,797.7	-400.0	848.1	692.2	155.93	5.439 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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.3	0.3	3.0	3.0	-89.66	0.2	-30.1	30.1				
100.0	100.0	100.3	100.3	3.0	3.0	-89.66	0.2	-30.1	30.1	23.6	6.52	4.622	
200.0	200.0	200.3	200.3	3.2	3.2	-89.66	0.2	-30.1	30.1	23.4	6.76	4.458	
300.0	300.0	300.3	300.3	3.3	3.3	-89.66	0.2	-30.1	30.1	23.1	6.99	4.311	
400.0	400.0	400.3	400.3	3.4	3.4	-89.66	0.2	-30.1	30.1	22.9	7.22	4.177	
500.0	500.0	500.3	500.3	3.5	3.5	-89.66	0.2	-30.1	30.1	22.7	7.43	4.056	
600.0	600.0	600.3	600.3	3.7	3.7	-89.66	0.2	-30.1	30.1	22.5	7.64	3.945	
700.0	700.0	700.3	700.3	3.8	3.8	-89.66	0.2	-30.1	30.1	22.3	7.84	3.842	
800.0	800.0	800.3	800.3	3.9	3.9	-89.66	0.2	-30.1	30.1	22.1	8.04	3.748	
900.0	900.0	900.3	900.3	4.0	4.0	-89.66	0.2	-30.1	30.1	21.9	8.24	3.660	
1,000.0	1,000.0	1,000.3	1,000.3	4.2	4.2	-89.66	0.2	-30.1	30.1	21.7	8.42	3.578	
1,100.0	1,100.0	1,100.3	1,100.3	4.3	4.3	-89.66	0.2	-30.1	30.1	21.5	8.61	3.502	
1,200.0	1,200.0	1,200.3	1,200.3	4.4	4.4	-89.66	0.2	-30.1	30.1	21.4	8.79	3.430	
1,300.0	1,300.0	1,300.3	1,300.3	4.5	4.5	-89.66	0.2	-30.1	30.1	21.2	8.96	3.363	
1,400.0	1,400.0	1,400.3	1,400.3	4.6	4.6	-89.66	0.2	-30.1	30.1	21.0	9.14	3.299	
1,466.6	1,466.6	1,466.8	1,466.8	4.7	4.7	-89.66	0.2	-30.1	30.1	20.9	9.25	3.259 CC	
1,500.0	1,500.0	1,500.3	1,500.3	4.8	4.8	-89.66	0.2	-30.1	30.1	20.8	9.30	3.239 ES	
1,600.0	1,600.0	1,600.2	1,600.2	4.9	5.0	-118.51	1.9	-30.2	30.9	21.4	9.48	3.258	
1,700.0	1,699.9	1,700.0	1,699.8	5.1	5.2	-115.41	7.2	-30.4	33.1	23.3	9.81	3.380	
1,800.0	1,799.7	1,799.8	1,799.2	5.3	5.5	-111.11	15.8	-30.8	37.1	27.0	10.14	3.659	
1,900.0	1,899.3	1,899.2	1,897.9	5.5	5.8	-106.47	27.9	-31.3	42.9	32.4	10.48	4.093	
2,000.0	1,998.6	1,998.9	1,996.7	5.8	6.0	-103.91	41.8	-31.8	50.1	39.2	10.81	4.631	
2,033.3	2,031.6	2,032.2	2,029.6	5.8	6.1	-103.82	46.4	-32.0	52.6	41.7	10.88	4.834	
2,100.0	2,097.6	2,098.6	2,095.4	6.0	6.3	-113.14	55.7	-32.4	58.4	47.3	11.07	5.276	
2,200.0	2,196.7	2,197.9	2,193.7	6.3	6.5	-126.61	69.5	-32.9	69.7	58.2	11.47	6.071	
2,266.5	2,262.7	2,263.8	2,259.0	6.4	6.7	-134.73	78.6	-33.3	78.8	67.2	11.69	6.744	
2,300.0	2,295.8	2,296.9	2,291.7	6.5	6.8	-134.02	83.2	-33.5	83.8	72.0	11.79	7.111	
2,400.0	2,394.8	2,395.7	2,389.6	6.7	7.1	-132.32	97.0	-34.0	98.8	86.6	12.17	8.118	
2,500.0	2,493.9	2,494.6	2,487.5	7.0	7.4	-131.07	110.7	-34.6	113.8	101.2	12.55	9.064	
2,600.0	2,592.9	2,593.4	2,585.4	7.3	7.8	-130.11	124.5	-35.1	128.8	115.9	12.94	9.951	
2,700.0	2,691.9	2,692.2	2,683.2	7.6	8.1	-129.35	138.2	-35.7	143.9	130.5	13.34	10.783	
2,800.0	2,790.9	2,791.1	2,781.1	8.0	8.4	-128.73	152.0	-36.2	159.0	145.2	13.75	11.562	
2,900.0	2,890.0	2,889.9	2,879.0	8.3	8.8	-128.23	165.7	-36.8	174.1	159.9	14.16	12.291	
3,000.0	2,989.0	2,988.8	2,976.9	8.7	9.1	-127.80	179.4	-37.3	189.2	174.6	14.58	12.975	
3,100.0	3,088.0	3,087.6	3,074.8	9.0	9.5	-127.43	193.2	-37.9	204.3	189.3	15.01	13.615	
3,200.0	3,187.0	3,186.5	3,172.6	9.4	9.9	-127.12	206.9	-38.4	219.5	204.0	15.44	14.216	
3,300.0	3,286.1	3,285.3	3,270.5	9.8	10.2	-126.85	220.7	-39.0	234.6	218.7	15.87	14.780	
3,400.0	3,385.1	3,384.5	3,368.8	10.1	10.6	-126.61	234.4	-39.5	249.7	233.5	16.28	15.342	
3,500.0	3,484.1	3,485.7	3,469.1	10.5	11.0	-126.63	247.3	-40.1	264.3	247.6	16.72	15.811	
3,600.0	3,583.1	3,587.1	3,569.9	10.9	11.3	-126.97	258.4	-40.5	278.0	260.8	17.16	16.204	
3,700.0	3,682.2	3,688.6	3,671.0	11.3	11.7	-127.59	267.7	-40.9	290.9	273.3	17.59	16.535	
3,800.0	3,781.2	3,790.2	3,772.3	11.7	12.1	-128.46	275.3	-41.2	303.0	285.0	18.02	16.811	
3,900.0	3,880.2	3,891.9	3,873.8	12.1	12.4	-129.56	281.0	-41.4	314.4	295.9	18.45	17.037	
4,000.0	3,979.3	3,993.5	3,975.4	12.5	12.7	-130.87	285.0	-41.6	325.1	306.2	18.88	17.217	
4,100.0	4,078.3	4,095.1	4,076.9	12.9	13.0	-132.37	287.1	-41.7	335.3	315.9	19.32	17.355	
4,200.0	4,177.3	4,195.7	4,177.6	13.3	13.1	-134.03	287.6	-41.7	345.0	325.3	19.71	17.505	
4,300.0	4,276.3	4,294.8	4,276.6	13.7	13.2	-135.64	287.6	-41.7	354.9	334.7	20.15	17.611	
4,400.0	4,375.4	4,393.8	4,375.6	14.1	13.2	-137.16	287.6	-41.7	365.0	344.4	20.62	17.699	
4,500.0	4,474.4	4,492.8	4,474.7	14.5	13.3	-138.60	287.6	-41.7	375.4	354.2	21.12	17.773	
4,600.0	4,573.4	4,591.8	4,573.7	14.9	13.4	-139.96	287.6	-41.7	386.0	364.3	21.64	17.836	
4,700.0	4,672.4	4,690.9	4,672.7	15.3	13.4	-141.25	287.6	-41.7	396.7	374.6	22.18	17.891	
4,796.5	4,768.0	4,786.4	4,768.3	15.7	13.5	-142.43	287.6	-41.7	407.3	384.6	22.71	17.939	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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	4,771.5	4,789.9	4,771.7	15.7	13.5	-142.47	287.6	-41.7	407.7	385.0	22.72	17.942	
4,900.0	4,870.7	4,889.2	4,871.0	16.3	13.6	-143.60	287.6	-41.7	417.4	394.0	23.42	17.821	
5,000.0	4,970.4	4,988.8	4,970.6	16.7	13.6	-144.36	287.6	-41.7	424.4	400.4	23.94	17.724	
5,100.0	5,070.2	5,088.7	5,070.5	17.0	13.7	-144.81	287.6	-41.7	428.5	404.1	24.40	17.560	
5,196.5	5,166.7	5,185.1	5,167.0	17.2	13.8	-80.95	287.6	-41.7	429.9	405.2	24.66	17.429	
5,200.0	5,170.2	5,188.6	5,170.5	17.2	13.8	-80.95	287.6	-41.7	429.9	405.2	24.67	17.427	
5,300.0	5,270.2	5,288.6	5,270.5	17.3	13.8	-80.95	287.6	-41.7	429.9	404.9	24.93	17.239	
5,400.0	5,370.2	5,388.6	5,370.5	17.4	13.9	-80.95	287.6	-41.7	429.9	404.8	25.08	17.141	
5,500.0	5,470.2	5,488.6	5,470.5	17.4	14.0	-80.95	287.6	-41.7	429.9	404.6	25.22	17.044	
5,600.0	5,570.2	5,588.6	5,570.5	17.5	14.1	-80.95	287.6	-41.7	429.9	404.5	25.36	16.948	
5,700.0	5,670.2	5,688.6	5,670.5	17.5	14.1	-80.95	287.6	-41.7	429.9	404.3	25.51	16.852	
5,800.0	5,770.2	5,788.6	5,770.5	17.6	14.2	-80.95	287.6	-41.7	429.9	404.2	25.65	16.758	
5,900.0	5,870.2	5,888.6	5,870.5	17.6	14.3	-80.95	287.6	-41.7	429.9	404.1	25.79	16.664	
6,000.0	5,970.2	5,988.6	5,970.5	17.7	14.3	-80.95	287.6	-41.7	429.9	403.9	25.94	16.572	
6,100.0	6,070.2	6,088.6	6,070.5	17.8	14.4	-80.95	287.6	-41.7	429.9	403.8	26.08	16.480	
6,200.0	6,170.2	6,188.6	6,170.5	17.8	14.5	-80.95	287.6	-41.7	429.9	403.6	26.23	16.389	
6,300.0	6,270.2	6,288.6	6,270.5	17.9	14.6	-80.95	287.6	-41.7	429.9	403.5	26.37	16.300	
6,400.0	6,370.2	6,388.6	6,370.5	17.9	14.6	-80.95	287.6	-41.7	429.9	403.3	26.52	16.210	
6,500.0	6,470.2	6,488.6	6,470.5	18.0	14.7	-80.95	287.6	-41.7	429.9	403.2	26.66	16.122	
6,600.0	6,570.2	6,588.6	6,570.5	18.0	14.8	-80.95	287.6	-41.7	429.9	403.0	26.81	16.035	
6,700.0	6,670.2	6,688.6	6,670.5	18.1	14.8	-80.95	287.6	-41.7	429.9	402.9	26.95	15.948	
6,800.0	6,770.2	6,788.6	6,770.5	18.1	14.9	-80.95	287.6	-41.7	429.9	402.8	27.10	15.863	
6,900.0	6,870.2	6,888.6	6,870.5	18.2	15.0	-80.95	287.6	-41.7	429.9	402.6	27.24	15.778	
7,000.0	6,970.2	6,988.6	6,970.5	18.2	15.1	-80.95	287.6	-41.7	429.9	402.5	27.39	15.694	
7,100.0	7,070.2	7,088.6	7,070.5	18.3	15.1	-80.95	287.6	-41.7	429.9	402.3	27.54	15.611	
7,200.0	7,170.2	7,188.6	7,170.5	18.3	15.2	-80.95	287.6	-41.7	429.9	402.2	27.68	15.528	
7,300.0	7,270.2	7,288.6	7,270.5	18.4	15.3	-80.95	287.6	-41.7	429.9	402.0	27.83	15.446	
7,400.0	7,370.2	7,388.6	7,370.5	18.4	15.4	-80.95	287.6	-41.7	429.9	401.9	27.98	15.365	
7,500.0	7,470.2	7,488.6	7,470.5	18.5	15.4	-80.95	287.6	-41.7	429.9	401.7	28.12	15.285	
7,600.0	7,570.2	7,588.6	7,570.5	18.5	15.5	-80.95	287.6	-41.7	429.9	401.6	28.27	15.206	
7,700.0	7,670.2	7,688.6	7,670.5	18.6	15.6	-80.95	287.6	-41.7	429.9	401.4	28.42	15.127	
7,800.0	7,770.2	7,788.6	7,770.5	18.7	15.6	-80.95	287.6	-41.7	429.9	401.3	28.56	15.049	
7,900.0	7,870.2	7,888.6	7,870.5	18.7	15.7	-80.95	287.6	-41.7	429.9	401.1	28.71	14.972	
8,000.0	7,970.2	7,988.6	7,970.5	18.8	15.8	-80.95	287.6	-41.7	429.9	401.0	28.86	14.895	
8,100.0	8,070.2	8,088.6	8,070.5	18.8	15.9	-80.95	287.6	-41.7	429.9	400.9	29.01	14.820	
8,200.0	8,170.2	8,188.6	8,170.5	18.9	15.9	-80.95	287.6	-41.7	429.9	400.7	29.15	14.744	
8,300.0	8,270.2	8,288.6	8,270.5	18.9	16.0	-80.95	287.6	-41.7	429.9	400.6	29.30	14.670	
8,400.0	8,370.2	8,388.6	8,370.5	19.0	16.1	-80.95	287.6	-41.7	429.9	400.4	29.45	14.596	
8,500.0	8,470.2	8,488.6	8,470.5	19.0	16.2	-80.95	287.6	-41.7	429.9	400.3	29.60	14.523	
8,600.0	8,570.2	8,588.6	8,570.5	19.1	16.2	-80.95	287.6	-41.7	429.9	400.1	29.75	14.451	
8,700.0	8,670.2	8,688.6	8,670.5	19.2	16.3	-80.95	287.6	-41.7	429.9	400.0	29.89	14.379	
8,800.0	8,770.2	8,788.6	8,770.5	19.2	16.4	-80.95	287.6	-41.7	429.9	399.8	30.04	14.308	
8,900.0	8,870.2	8,888.6	8,870.5	19.3	16.5	-80.95	287.6	-41.7	429.9	399.7	30.19	14.237	
9,000.0	8,970.2	8,988.6	8,970.5	19.3	16.5	-80.95	287.6	-41.7	429.9	399.5	30.34	14.167	
9,100.0	9,070.2	9,088.6	9,070.5	19.4	16.6	-80.95	287.6	-41.7	429.9	399.4	30.49	14.098	
9,200.0	9,170.2	9,188.6	9,170.5	19.4	16.7	-80.95	287.6	-41.7	429.9	399.2	30.64	14.030	
9,300.0	9,270.2	9,288.6	9,270.5	19.5	16.7	-80.95	287.6	-41.7	429.9	399.1	30.79	13.962	
9,400.0	9,370.2	9,388.6	9,370.5	19.6	16.8	-80.95	287.6	-41.7	429.9	398.9	30.94	13.894	
9,500.0	9,470.2	9,488.6	9,470.5	19.6	16.9	-80.95	287.6	-41.7	429.9	398.8	31.09	13.827	
9,600.0	9,570.2	9,588.6	9,570.5	19.7	17.0	-80.95	287.6	-41.7	429.9	398.6	31.24	13.761	
9,700.0	9,670.2	9,688.6	9,670.5	19.7	17.0	-80.95	287.6	-41.7	429.9	398.5	31.39	13.696	
9,800.0	9,770.2	9,788.6	9,770.5	19.8	17.1	-80.95	287.6	-41.7	429.9	398.3	31.54	13.630	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,900.0	9,870.2	9,888.6	9,870.5	19.9	17.2	-80.95	287.6	-41.7	429.9	398.2	31.69	13.566	
10,000.0	9,970.2	9,988.6	9,970.5	19.9	17.3	-80.95	287.6	-41.7	429.9	398.0	31.84	13.502	
10,100.0	10,070.2	10,088.6	10,070.5	20.0	17.3	-80.95	287.6	-41.7	429.9	397.9	31.99	13.439	
10,200.0	10,170.2	10,188.6	10,170.5	20.0	17.4	-80.95	287.6	-41.7	429.9	397.7	32.14	13.376	
10,300.0	10,270.2	10,288.6	10,270.5	20.1	17.5	-80.95	287.6	-41.7	429.9	397.6	32.29	13.314	
10,400.0	10,370.2	10,388.6	10,370.5	20.2	17.6	-80.95	287.6	-41.7	429.9	397.4	32.44	13.252	
10,500.0	10,470.2	10,488.6	10,470.5	20.2	17.6	-80.95	287.6	-41.7	429.9	397.3	32.59	13.191	
10,600.0	10,570.2	10,588.6	10,570.5	20.3	17.7	-80.95	287.6	-41.7	429.9	397.1	32.74	13.130	
10,700.0	10,670.2	10,688.6	10,670.5	20.3	17.8	-80.95	287.6	-41.7	429.9	397.0	32.89	13.070	
10,800.0	10,770.2	10,788.6	10,770.5	20.4	17.9	-80.95	287.6	-41.7	429.9	396.8	33.04	13.010	
10,900.0	10,870.2	10,888.6	10,870.5	20.5	17.9	-80.95	287.6	-41.7	429.9	396.7	33.19	12.951	
11,000.0	10,970.2	10,988.6	10,970.5	20.5	18.0	-80.95	287.6	-41.7	429.9	396.5	33.34	12.892	
11,100.0	11,070.2	11,088.6	11,070.5	20.6	18.1	-80.95	287.6	-41.7	429.9	396.4	33.49	12.834	
11,161.8	11,132.0	11,150.5	11,132.3	20.6	18.1	-80.95	287.6	-41.7	429.9	396.3	33.57	12.803	
11,200.0	11,170.2	11,188.6	11,170.4	20.6	18.2	99.57	287.6	-41.7	430.1	396.5	33.60	12.799	
11,250.0	11,219.9	11,238.3	11,220.1	20.6	18.2	100.19	287.6	-41.7	431.0	397.4	33.59	12.831	
11,300.0	11,268.9	11,287.3	11,269.1	20.7	18.2	101.26	287.6	-41.7	432.9	399.3	33.54	12.905	
11,350.0	11,316.8	11,337.4	11,319.3	20.7	18.3	102.78	287.4	-41.7	435.9	402.4	33.44	13.034	
11,400.0	11,363.4	11,396.3	11,378.0	20.7	18.3	104.64	283.1	-41.7	439.5	406.2	33.38	13.169	
11,450.0	11,408.2	11,457.5	11,438.1	20.8	18.4	106.40	272.4	-41.6	443.4	410.0	33.38	13.283	
11,500.0	11,450.9	11,520.8	11,498.9	20.8	18.5	108.03	254.5	-41.5	447.3	413.9	33.48	13.361	
11,550.0	11,491.2	11,586.4	11,559.3	20.8	18.6	109.52	229.0	-41.3	451.2	417.5	33.70	13.390	
11,600.0	11,528.7	11,654.2	11,618.3	20.9	18.7	110.84	195.6	-41.1	454.8	420.8	34.04	13.360	
11,650.0	11,563.3	11,724.1	11,674.5	20.9	18.8	111.95	154.2	-40.8	458.0	423.5	34.51	13.270	
11,700.0	11,594.5	11,795.6	11,726.4	20.9	18.9	112.84	105.0	-40.5	460.6	425.5	35.09	13.127	
11,750.0	11,622.2	11,868.6	11,772.6	21.0	19.0	113.48	48.6	-40.1	462.5	426.8	35.74	12.941	
11,800.0	11,646.2	11,942.6	11,811.7	21.0	19.1	113.85	-14.1	-39.7	463.7	427.3	36.42	12.733	
11,850.0	11,666.3	12,017.1	11,842.6	21.1	19.2	113.95	-81.8	-39.3	464.0	426.9	37.07	12.518	
11,900.0	11,682.3	12,091.4	11,864.4	21.1	19.2	113.77	-152.8	-38.8	463.4	425.8	37.64	12.311	
11,950.0	11,694.1	12,165.1	11,876.9	21.2	19.2	113.31	-225.4	-38.3	462.0	423.9	38.11	12.125	
12,000.0	11,701.7	12,233.9	11,880.0	21.2	19.3	112.66	-294.0	-37.9	459.9	421.5	38.38	11.982	
12,050.0	11,704.9	12,283.7	11,880.0	21.3	19.3	112.40	-343.9	-37.6	458.7	420.2	38.45	11.929	
12,061.8	11,705.0	12,295.6	11,880.0	21.3	19.3	112.39	-355.8	-37.5	458.6	420.2	38.48	11.918	
12,100.0	11,705.0	12,333.7	11,880.0	21.3	19.3	112.39	-393.9	-37.2	458.6	420.0	38.61	11.879	
12,200.0	11,705.0	12,433.7	11,880.0	21.5	19.3	112.39	-493.9	-36.6	458.6	419.7	38.99	11.764	
12,300.0	11,705.0	12,533.7	11,880.0	21.6	19.3	112.39	-593.9	-35.9	458.6	419.2	39.42	11.635	
12,400.0	11,705.0	12,633.7	11,880.0	21.8	19.4	112.39	-693.9	-35.3	458.6	418.7	39.91	11.493	
12,500.0	11,705.0	12,733.7	11,880.0	22.0	19.4	112.39	-793.9	-34.6	458.6	418.2	40.44	11.340	
12,600.0	11,705.0	12,833.7	11,880.0	22.3	19.4	112.39	-893.9	-34.0	458.6	417.6	41.03	11.178	
12,700.0	11,705.0	12,933.7	11,880.0	22.5	19.4	112.39	-993.9	-33.3	458.6	417.0	41.66	11.008	
12,800.0	11,705.0	13,033.7	11,880.0	22.8	19.5	112.39	-1,093.9	-32.7	458.6	416.3	42.34	10.831	
12,900.0	11,705.0	13,133.7	11,880.0	23.0	19.5	112.39	-1,193.9	-32.0	458.6	415.6	43.07	10.649	
13,000.0	11,705.0	13,233.7	11,880.0	23.3	19.6	112.39	-1,293.9	-31.4	458.6	414.8	43.83	10.464	
13,100.0	11,705.0	13,333.7	11,880.0	23.7	19.6	112.39	-1,393.9	-30.7	458.6	414.0	44.63	10.276	
13,200.0	11,705.0	13,433.7	11,880.0	24.0	19.8	112.39	-1,493.9	-30.1	458.6	413.2	45.47	10.086	
13,300.0	11,705.0	13,533.7	11,880.0	24.4	20.3	112.39	-1,593.9	-29.4	458.6	412.3	46.34	9.896	
13,400.0	11,705.0	13,633.7	11,880.0	24.8	20.8	112.39	-1,693.9	-28.8	458.6	411.4	47.25	9.706	
13,500.0	11,705.0	13,733.7	11,880.0	25.2	21.3	112.39	-1,793.9	-28.1	458.6	410.4	48.19	9.518	
13,600.0	11,705.0	13,833.7	11,880.0	25.6	21.9	112.39	-1,893.9	-27.5	458.6	409.5	49.15	9.331	
13,700.0	11,705.0	13,933.7	11,880.0	26.1	22.4	112.39	-1,993.9	-26.8	458.6	408.5	50.15	9.146	
13,800.0	11,705.0	14,033.7	11,880.0	26.5	23.0	112.39	-2,093.9	-26.2	458.6	407.5	51.17	8.963	
13,900.0	11,705.0	14,133.7	11,880.0	27.0	23.6	112.39	-2,193.9	-25.5	458.6	406.4	52.21	8.784	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance			Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.0	11,705.0	14,233.7	11,880.0	27.5	24.2	112.39	-2,293.9	-24.9	458.6	405.4	53.28	8.609	
14,100.0	11,705.0	14,333.7	11,880.0	28.0	24.8	112.39	-2,393.9	-24.2	458.6	404.3	54.36	8.436	
14,200.0	11,705.0	14,433.7	11,880.0	28.5	25.4	112.39	-2,493.9	-23.6	458.6	403.2	55.47	8.268	
14,300.0	11,705.0	14,533.7	11,880.0	29.0	26.0	112.39	-2,593.9	-22.9	458.6	402.0	56.60	8.103	
14,400.0	11,705.0	14,633.7	11,880.0	29.6	26.6	112.39	-2,693.9	-22.3	458.6	400.9	57.74	7.943	
14,500.0	11,705.0	14,733.7	11,880.0	30.1	27.3	112.39	-2,793.9	-21.6	458.6	399.7	58.90	7.786	
14,600.0	11,705.0	14,833.7	11,880.0	30.7	27.9	112.39	-2,893.9	-21.0	458.6	398.5	60.08	7.633	
14,700.0	11,705.0	14,933.7	11,880.0	31.2	28.6	112.39	-2,993.9	-20.3	458.6	397.4	61.27	7.485	
14,800.0	11,705.0	15,033.7	11,880.0	31.8	29.2	112.39	-3,093.9	-19.7	458.6	396.1	62.48	7.340	
14,900.0	11,705.0	15,133.7	11,880.0	32.4	29.9	112.39	-3,193.9	-19.0	458.6	394.9	63.70	7.200	
15,000.0	11,705.0	15,233.7	11,880.0	33.0	30.6	112.39	-3,293.9	-18.4	458.6	393.7	64.93	7.063	
15,100.0	11,705.0	15,333.7	11,880.0	33.6	31.2	112.39	-3,393.9	-17.7	458.6	392.4	66.17	6.930	
15,200.0	11,705.0	15,433.7	11,880.0	34.2	31.9	112.40	-3,493.9	-17.1	458.6	391.2	67.43	6.801	
15,300.0	11,705.0	15,533.7	11,880.0	34.8	32.6	112.40	-3,593.9	-16.4	458.6	389.9	68.69	6.676	
15,400.0	11,705.0	15,633.7	11,880.0	35.5	33.2	112.40	-3,693.9	-15.8	458.6	388.6	69.97	6.555	
15,500.0	11,705.0	15,733.7	11,880.0	36.1	33.9	112.40	-3,793.9	-15.1	458.6	387.4	71.25	6.436	
15,600.0	11,705.0	15,833.7	11,880.0	36.7	34.6	112.40	-3,893.9	-14.4	458.6	386.1	72.55	6.322	
15,700.0	11,705.0	15,933.7	11,880.0	37.4	35.3	112.40	-3,993.8	-13.8	458.6	384.8	73.85	6.210	
15,800.0	11,705.0	16,033.7	11,880.0	38.0	36.0	112.40	-4,093.8	-13.1	458.6	383.5	75.16	6.102	
15,900.0	11,705.0	16,133.7	11,880.0	38.6	36.7	112.40	-4,193.8	-12.5	458.6	382.1	76.48	5.997	
16,000.0	11,705.0	16,233.7	11,880.0	39.3	37.4	112.40	-4,293.8	-11.8	458.6	380.8	77.80	5.895	
16,100.0	11,705.0	16,333.7	11,880.0	40.0	38.1	112.40	-4,393.8	-11.2	458.6	379.5	79.13	5.795	
16,200.0	11,705.0	16,433.7	11,880.0	40.6	38.8	112.40	-4,493.8	-10.5	458.6	378.1	80.47	5.699	
16,300.0	11,705.0	16,533.7	11,880.0	41.3	39.5	112.40	-4,593.8	-9.9	458.6	376.8	81.82	5.605	
16,400.0	11,705.0	16,633.7	11,880.0	42.0	40.2	112.40	-4,693.8	-9.2	458.6	375.4	83.17	5.514	
16,500.0	11,705.0	16,733.7	11,880.0	42.6	40.9	112.40	-4,793.8	-8.6	458.6	374.1	84.52	5.426	
16,600.0	11,705.0	16,833.7	11,880.0	43.3	41.6	112.40	-4,893.8	-7.9	458.6	372.7	85.88	5.340	
16,700.0	11,705.0	16,933.7	11,880.0	44.0	42.3	112.40	-4,993.8	-7.3	458.6	371.4	87.25	5.256	
16,800.0	11,705.0	17,033.7	11,880.0	44.7	43.1	112.40	-5,093.8	-6.6	458.6	370.0	88.62	5.175	
16,900.0	11,705.0	17,133.7	11,880.0	45.3	43.8	112.40	-5,193.8	-6.0	458.6	368.6	89.99	5.096	
17,000.0	11,705.0	17,233.7	11,880.0	46.0	44.5	112.40	-5,293.8	-5.3	458.6	367.2	91.37	5.019	
17,100.0	11,705.0	17,333.7	11,880.0	46.7	45.2	112.40	-5,393.8	-4.7	458.6	365.9	92.76	4.944	
17,200.0	11,705.0	17,433.7	11,880.0	47.4	45.9	112.40	-5,493.8	-4.0	458.6	364.5	94.15	4.871	
17,300.0	11,705.0	17,533.7	11,880.0	48.1	46.7	112.40	-5,593.8	-3.4	458.6	363.1	95.54	4.800	
17,400.0	11,705.0	17,633.7	11,880.0	48.8	47.4	112.40	-5,693.8	-2.7	458.6	361.7	96.93	4.731	
17,500.0	11,705.0	17,733.7	11,880.0	49.5	48.1	112.40	-5,793.8	-2.1	458.6	360.3	98.33	4.664	
17,600.0	11,705.0	17,833.7	11,880.0	50.2	48.8	112.40	-5,893.8	-1.4	458.6	358.9	99.74	4.598	
17,700.0	11,705.0	17,933.7	11,880.0	50.9	49.6	112.40	-5,993.8	-0.8	458.6	357.5	101.14	4.534	
17,800.0	11,705.0	18,033.7	11,880.0	51.6	50.3	112.40	-6,093.8	-0.1	458.6	356.1	102.55	4.472	
17,900.0	11,705.0	18,133.7	11,880.0	52.3	51.0	112.40	-6,193.8	0.5	458.6	354.6	103.96	4.411	
18,000.0	11,705.0	18,233.7	11,880.0	53.0	51.8	112.40	-6,293.8	1.2	458.6	353.2	105.38	4.352	
18,100.0	11,705.0	18,333.7	11,880.0	53.7	52.5	112.40	-6,393.8	1.8	458.6	351.8	106.79	4.294	
18,200.0	11,705.0	18,433.7	11,880.0	54.4	53.2	112.40	-6,493.8	2.5	458.6	350.4	108.21	4.238	
18,300.0	11,705.0	18,533.7	11,880.0	55.2	54.0	112.40	-6,593.8	3.1	458.6	349.0	109.64	4.183	
18,400.0	11,705.0	18,633.7	11,880.0	55.9	54.7	112.40	-6,693.8	3.8	458.6	347.5	111.06	4.129	
18,500.0	11,705.0	18,733.7	11,880.0	56.6	55.4	112.40	-6,793.8	4.4	458.6	346.1	112.49	4.077	
18,600.0	11,705.0	18,833.7	11,880.0	57.3	56.2	112.40	-6,893.8	5.1	458.6	344.7	113.92	4.026	
18,700.0	11,705.0	18,933.7	11,880.0	58.0	56.9	112.40	-6,993.8	5.7	458.6	343.3	115.35	3.976	
18,800.0	11,705.0	19,033.7	11,880.0	58.7	57.6	112.40	-7,093.8	6.4	458.6	341.8	116.78	3.927	
18,900.0	11,705.0	19,133.7	11,880.0	59.5	58.4	112.40	-7,193.8	7.0	458.6	340.4	118.22	3.879	
19,000.0	11,705.0	19,233.7	11,880.0	60.2	59.1	112.40	-7,293.8	7.7	458.6	338.9	119.65	3.833	
19,100.0	11,705.0	19,333.7	11,880.0	60.9	59.8	112.40	-7,393.8	8.3	458.6	337.5	121.09	3.787	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11325-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,200.0	11,705.0	19,433.7	11,880.0	61.6	60.6	112.40	-7,493.8	9.0	458.6	336.1	122.54	3.743	
19,300.0	11,705.0	19,533.7	11,880.0	62.3	61.3	112.40	-7,593.8	9.6	458.6	334.6	123.98	3.699	
19,400.0	11,705.0	19,633.7	11,880.0	63.1	62.1	112.40	-7,693.8	10.3	458.6	333.2	125.42	3.656	
19,500.0	11,705.0	19,733.7	11,880.0	63.8	62.8	112.40	-7,793.8	11.0	458.6	331.7	126.87	3.615	
19,600.0	11,705.0	19,833.7	11,880.0	64.5	63.6	112.40	-7,893.8	11.6	458.6	330.3	128.32	3.574	
19,700.0	11,705.0	19,933.7	11,880.0	65.3	64.3	112.40	-7,993.8	12.3	458.6	328.8	129.77	3.534	
19,800.0	11,705.0	20,033.7	11,880.0	66.0	65.0	112.40	-8,093.8	12.9	458.6	327.4	131.22	3.495	
19,900.0	11,705.0	20,133.7	11,880.0	66.7	65.8	112.40	-8,193.8	13.6	458.6	325.9	132.67	3.457	
20,000.0	11,705.0	20,233.7	11,880.0	67.4	66.5	112.40	-8,293.8	14.2	458.6	324.5	134.12	3.419	
20,100.0	11,705.0	20,333.7	11,880.0	68.2	67.3	112.40	-8,393.8	14.9	458.6	323.0	135.58	3.382	
20,200.0	11,705.0	20,433.7	11,880.0	68.9	68.0	112.40	-8,493.8	15.5	458.6	321.6	137.03	3.347	
20,300.0	11,705.0	20,533.7	11,880.0	69.6	68.8	112.40	-8,593.8	16.2	458.6	320.1	138.49	3.311	
20,400.0	11,705.0	20,633.7	11,880.0	70.4	69.5	112.40	-8,693.8	16.8	458.6	318.6	139.95	3.277	
20,500.0	11,705.0	20,733.7	11,880.0	71.1	70.2	112.40	-8,793.7	17.5	458.6	317.2	141.41	3.243	
20,600.0	11,705.0	20,833.7	11,880.0	71.8	71.0	112.40	-8,893.7	18.1	458.6	315.7	142.87	3.210	
20,700.0	11,705.0	20,933.7	11,880.0	72.6	71.7	112.40	-8,993.7	18.8	458.6	314.3	144.33	3.177	
20,800.0	11,705.0	21,033.7	11,880.0	73.3	72.5	112.40	-9,093.7	19.4	458.6	312.8	145.80	3.145	
20,900.0	11,705.0	21,133.7	11,880.0	74.0	73.2	112.40	-9,193.7	20.1	458.6	311.3	147.26	3.114	
21,000.0	11,705.0	21,233.7	11,880.0	74.8	74.0	112.40	-9,293.7	20.7	458.6	309.9	148.72	3.083	
21,100.0	11,705.0	21,333.7	11,880.0	75.5	74.7	112.40	-9,393.7	21.4	458.6	308.4	150.19	3.053	
21,200.0	11,705.0	21,433.7	11,880.0	76.3	75.5	112.40	-9,493.7	22.0	458.6	306.9	151.66	3.024	
21,300.0	11,705.0	21,533.7	11,880.0	77.0	76.2	112.40	-9,593.7	22.7	458.6	305.5	153.13	2.995	
21,400.0	11,705.0	21,633.7	11,880.0	77.7	77.0	112.40	-9,693.7	23.3	458.6	304.0	154.59	2.966	
21,455.5	11,705.0	21,689.3	11,880.0	78.1	77.4	112.40	-9,749.3	23.7	458.6	303.2	155.41	2.951 SF	
21,463.5	11,705.0	21,690.0	11,880.0	78.2	77.4	112.40	-9,750.0	23.7	458.6	303.3	155.38	2.952	
21,500.0	11,705.0	21,690.0	11,880.0	78.5	77.4	112.40	-9,750.0	23.7	460.7	306.0	154.65	2.979	
21,513.5	11,705.0	21,690.0	11,880.0	78.6	77.4	112.40	-9,750.0	23.7	462.1	308.0	154.18	2.998	
21,514.4	11,705.0	21,690.0	11,880.0	78.6	77.4	112.40	-9,750.0	23.7	462.3	307.9	154.39	2.994	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.3	0.3	3.0	3.0	90.33	-0.2	29.9	29.9				
100.0	100.0	100.3	100.3	3.0	3.0	90.33	-0.2	29.9	29.9	23.4	6.52	4.590	
200.0	200.0	200.3	200.3	3.2	3.2	90.33	-0.2	29.9	29.9	23.2	6.76	4.427	
300.0	300.0	300.3	300.3	3.3	3.3	90.33	-0.2	29.9	29.9	22.9	6.99	4.281	
400.0	400.0	400.3	400.3	3.4	3.4	90.33	-0.2	29.9	29.9	22.7	7.22	4.148	
500.0	500.0	500.3	500.3	3.5	3.5	90.33	-0.2	29.9	29.9	22.5	7.43	4.028	
600.0	600.0	600.3	600.3	3.7	3.7	90.33	-0.2	29.9	29.9	22.3	7.64	3.917	
700.0	700.0	700.3	700.3	3.8	3.8	90.33	-0.2	29.9	29.9	22.1	7.84	3.816	
800.0	800.0	800.3	800.3	3.9	3.9	90.33	-0.2	29.9	29.9	21.9	8.04	3.722	
900.0	900.0	900.3	900.3	4.0	4.0	90.33	-0.2	29.9	29.9	21.7	8.24	3.635	
1,000.0	1,000.0	1,000.3	1,000.3	4.2	4.2	90.33	-0.2	29.9	29.9	21.5	8.42	3.553	
1,100.0	1,100.0	1,100.3	1,100.3	4.3	4.3	90.33	-0.2	29.9	29.9	21.3	8.61	3.477	
1,200.0	1,200.0	1,200.3	1,200.3	4.4	4.4	90.33	-0.2	29.9	29.9	21.1	8.79	3.406	
1,300.0	1,300.0	1,300.3	1,300.3	4.5	4.5	90.33	-0.2	29.9	29.9	21.0	8.96	3.339	
1,400.0	1,400.0	1,400.3	1,400.3	4.6	4.6	90.33	-0.2	29.9	29.9	20.8	9.14	3.276	
1,466.6	1,466.6	1,466.9	1,466.9	4.7	4.7	90.33	-0.2	29.9	29.9	20.7	9.25	3.237 CC	
1,500.0	1,500.0	1,500.3	1,500.3	4.8	4.8	90.33	-0.2	29.9	29.9	20.6	9.30	3.217 ES	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	60.71	0.8	30.9	30.2	20.7	9.50	3.180	
1,604.4	1,604.4	1,604.2	1,604.2	4.9	4.9	60.75	0.8	30.9	30.2	20.7	9.51	3.178	
1,700.0	1,699.9	1,699.2	1,699.1	5.1	5.1	61.84	3.5	33.6	31.0	21.2	9.85	3.150	
1,800.0	1,799.7	1,798.6	1,798.3	5.3	5.3	63.61	8.1	38.2	32.4	22.2	10.19	3.179	
1,900.0	1,899.3	1,898.0	1,897.3	5.5	5.5	65.85	14.5	44.6	34.4	23.8	10.54	3.263	
2,000.0	1,998.6	1,997.4	1,996.0	5.8	5.7	68.36	22.7	52.8	37.0	26.1	10.88	3.401	
2,033.3	2,031.6	2,030.6	2,028.8	5.8	5.8	69.23	25.8	55.9	38.0	27.1	10.92	3.480	
2,100.0	2,097.6	2,096.3	2,093.9	6.0	5.9	60.92	32.1	63.1	40.2	29.2	11.08	3.630	
2,200.0	2,196.7	2,194.8	2,191.2	6.3	6.2	46.01	40.4	76.4	44.1	32.5	11.52	3.824	
2,266.5	2,262.7	2,260.3	2,255.6	6.4	6.4	35.51	45.3	86.9	46.9	35.1	11.80	3.979	
2,300.0	2,295.8	2,293.1	2,287.8	6.5	6.5	34.85	47.6	92.8	48.6	36.7	11.93	4.078	
2,400.0	2,394.8	2,392.0	2,384.6	6.7	6.8	33.57	53.8	112.0	55.6	43.2	12.38	4.492	
2,500.0	2,493.9	2,491.8	2,482.2	7.0	7.1	32.65	59.8	131.9	63.0	50.1	12.95	4.866	
2,600.0	2,592.9	2,591.5	2,579.7	7.3	7.4	31.93	65.9	151.7	70.4	56.9	13.56	5.195	
2,700.0	2,691.9	2,691.2	2,677.3	7.6	7.8	31.35	71.9	171.5	77.9	63.7	14.19	5.486	
2,800.0	2,790.9	2,790.9	2,774.8	8.0	8.1	30.86	78.0	191.4	85.3	70.5	14.85	5.744	
2,900.0	2,890.0	2,890.6	2,872.3	8.3	8.5	30.46	84.1	211.2	92.7	77.2	15.53	5.972	
3,000.0	2,989.0	2,990.4	2,969.9	8.7	8.9	30.11	90.1	231.0	100.2	84.0	16.23	6.175	
3,100.0	3,088.0	3,090.1	3,067.4	9.0	9.3	29.81	96.2	250.8	107.6	90.7	16.94	6.355	
3,200.0	3,187.0	3,189.8	3,165.0	9.4	9.7	29.56	102.3	270.7	115.1	97.4	17.66	6.517	
3,300.0	3,286.1	3,289.5	3,262.5	9.8	10.1	29.33	108.3	290.5	122.5	104.1	18.40	6.661	
3,400.0	3,385.1	3,389.2	3,360.0	10.1	10.5	29.13	114.4	310.3	130.0	110.9	19.14	6.791	
3,500.0	3,484.1	3,489.0	3,457.6	10.5	10.9	28.95	120.4	330.1	137.5	117.6	19.90	6.908	
3,600.0	3,583.1	3,588.7	3,555.1	10.9	11.4	28.79	126.5	350.0	144.9	124.3	20.66	7.014	
3,700.0	3,682.2	3,688.4	3,652.7	11.3	11.8	28.64	132.6	369.8	152.4	130.9	21.43	7.111	
3,800.0	3,781.2	3,788.1	3,750.2	11.7	12.2	28.51	138.6	389.6	159.8	137.6	22.20	7.198	
3,900.0	3,880.2	3,887.8	3,847.8	12.1	12.7	28.39	144.7	409.5	167.3	144.3	22.99	7.278	
4,000.0	3,979.3	3,987.6	3,945.3	12.5	13.1	28.28	150.8	429.3	174.7	151.0	23.77	7.351	
4,100.0	4,078.3	4,087.3	4,042.8	12.9	13.5	28.18	156.8	449.1	182.2	157.6	24.56	7.418	
4,200.0	4,177.3	4,187.0	4,140.4	13.3	14.0	28.09	162.9	468.9	189.7	164.3	25.36	7.480	
4,300.0	4,276.3	4,286.7	4,237.9	13.7	14.4	28.00	168.9	488.8	197.1	171.0	26.16	7.536	
4,400.0	4,375.4	4,386.4	4,335.5	14.1	14.9	27.92	175.0	508.6	204.6	177.6	26.96	7.589	
4,500.0	4,474.4	4,486.2	4,433.0	14.5	15.3	27.85	181.1	528.4	212.1	184.3	27.76	7.638	
4,600.0	4,573.4	4,585.9	4,530.5	14.9	15.8	27.78	187.1	548.2	219.5	190.9	28.57	7.683	
4,700.0	4,672.4	4,685.6	4,628.1	15.3	16.2	27.71	193.2	568.1	227.0	197.6	29.38	7.725	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,796.5	4,768.0	4,781.8	4,722.2	15.7	16.7	27.65	199.0	587.2	234.2	204.0	30.17	7.763		
4,800.0	4,771.5	4,785.3	4,725.6	15.7	16.7	27.65	199.2	587.9	234.5	204.3	30.19	7.765		
4,900.0	4,870.7	4,884.9	4,823.0	16.3	17.1	27.48	205.3	607.7	243.6	212.4	31.15	7.818		
5,000.0	4,970.4	4,984.1	4,920.1	16.7	17.6	26.99	211.3	627.4	255.8	223.7	32.05	7.981		
5,100.0	5,070.2	5,082.8	5,016.6	17.0	18.0	26.25	217.3	647.1	271.1	238.2	32.95	8.227		
5,196.5	5,166.7	5,177.5	5,109.3	17.2	18.5	89.36	223.1	665.9	288.9	255.2	33.72	8.567		
5,200.0	5,170.2	5,181.0	5,112.6	17.2	18.5	89.32	223.3	666.6	289.6	255.9	33.75	8.582		
5,300.0	5,270.2	5,278.8	5,208.3	17.3	18.9	88.24	229.2	686.0	309.6	275.1	34.52	8.970		
5,400.0	5,370.2	5,381.7	5,309.2	17.4	19.4	87.28	235.3	705.8	329.1	293.9	35.24	9.339		
5,500.0	5,470.2	5,486.0	5,411.7	17.4	19.9	86.49	240.9	724.1	346.9	311.0	35.91	9.660		
5,600.0	5,570.2	5,591.0	5,515.2	17.5	20.3	85.84	245.9	740.7	363.0	326.5	36.55	9.933		
5,700.0	5,670.2	5,696.6	5,619.6	17.5	20.8	85.32	250.5	755.5	377.4	340.2	37.14	10.160		
5,800.0	5,770.2	5,802.7	5,724.9	17.6	21.2	84.88	254.5	768.6	390.0	352.3	37.71	10.342		
5,900.0	5,870.2	5,909.3	5,830.8	17.6	21.7	84.54	257.9	779.8	400.8	362.6	38.24	10.482		
6,000.0	5,970.2	6,016.3	5,937.3	17.7	22.1	84.26	260.8	789.2	409.8	371.1	38.73	10.581		
6,100.0	6,070.2	6,123.6	6,044.4	17.8	22.5	84.05	263.1	796.7	417.0	377.8	39.18	10.642		
6,200.0	6,170.2	6,231.2	6,151.8	17.8	22.8	83.90	264.8	802.3	422.3	382.7	39.59	10.668		
6,300.0	6,270.2	6,339.0	6,259.5	17.9	23.2	83.80	265.9	806.0	425.8	385.9	39.94	10.661		
6,400.0	6,370.2	6,446.8	6,367.4	17.9	23.4	83.75	266.5	807.8	427.5	387.3	40.18	10.641		
6,500.0	6,470.2	6,550.0	6,470.5	18.0	23.5	83.75	266.5	807.9	427.6	387.4	40.29	10.615		
6,600.0	6,570.2	6,650.0	6,570.5	18.0	23.6	83.75	266.5	807.9	427.6	387.3	40.38	10.589		
6,700.0	6,670.2	6,750.0	6,670.5	18.1	23.6	83.75	266.5	807.9	427.6	387.2	40.47	10.567		
6,800.0	6,770.2	6,850.0	6,770.5	18.1	23.6	83.75	266.5	807.9	427.6	387.1	40.56	10.544		
6,900.0	6,870.2	6,950.0	6,870.5	18.2	23.7	83.75	266.5	807.9	427.6	387.0	40.65	10.521		
7,000.0	6,970.2	7,050.0	6,970.5	18.2	23.7	83.75	266.5	807.9	427.6	386.9	40.73	10.498		
7,100.0	7,070.2	7,150.0	7,070.5	18.3	23.7	83.75	266.5	807.9	427.6	386.8	40.82	10.476		
7,200.0	7,170.2	7,250.0	7,170.5	18.3	23.8	83.75	266.5	807.9	427.6	386.7	40.91	10.453		
7,300.0	7,270.2	7,350.0	7,270.5	18.4	23.8	83.75	266.5	807.9	427.6	386.6	41.00	10.430		
7,400.0	7,370.2	7,450.0	7,370.5	18.4	23.9	83.75	266.5	807.9	427.6	386.5	41.09	10.407		
7,500.0	7,470.2	7,550.0	7,470.5	18.5	23.9	83.75	266.5	807.9	427.6	386.5	41.18	10.384		
7,600.0	7,570.2	7,650.0	7,570.5	18.5	23.9	83.75	266.5	807.9	427.6	386.4	41.27	10.361		
7,700.0	7,670.2	7,750.0	7,670.5	18.6	24.0	83.75	266.5	807.9	427.6	386.3	41.36	10.339		
7,800.0	7,770.2	7,850.0	7,770.5	18.7	24.0	83.75	266.5	807.9	427.6	386.2	41.46	10.316		
7,900.0	7,870.2	7,950.0	7,870.5	18.7	24.1	83.75	266.5	807.9	427.6	386.1	41.55	10.293		
8,000.0	7,970.2	8,050.0	7,970.5	18.8	24.1	83.75	266.5	807.9	427.6	386.0	41.64	10.270		
8,100.0	8,070.2	8,150.0	8,070.5	18.8	24.1	83.75	266.5	807.9	427.6	385.9	41.73	10.247		
8,200.0	8,170.2	8,250.0	8,170.5	18.9	24.2	83.75	266.5	807.9	427.6	385.8	41.83	10.224		
8,300.0	8,270.2	8,350.0	8,270.5	18.9	24.2	83.75	266.5	807.9	427.6	385.7	41.92	10.201		
8,400.0	8,370.2	8,450.0	8,370.5	19.0	24.3	83.75	266.5	807.9	427.6	385.6	42.01	10.178		
8,500.0	8,470.2	8,550.0	8,470.5	19.0	24.3	83.75	266.5	807.9	427.6	385.5	42.11	10.156		
8,600.0	8,570.2	8,650.0	8,570.5	19.1	24.3	83.75	266.5	807.9	427.6	385.4	42.20	10.133		
8,700.0	8,670.2	8,750.0	8,670.5	19.2	24.4	83.75	266.5	807.9	427.6	385.3	42.30	10.110		
8,800.0	8,770.2	8,850.0	8,770.5	19.2	24.4	83.75	266.5	807.9	427.6	385.2	42.40	10.087		
8,900.0	8,870.2	8,950.0	8,870.5	19.3	24.5	83.75	266.5	807.9	427.6	385.1	42.49	10.064		
9,000.0	8,970.2	9,050.0	8,970.5	19.3	24.5	83.75	266.5	807.9	427.6	385.1	42.59	10.041		
9,100.0	9,070.2	9,150.0	9,070.5	19.4	24.5	83.75	266.5	807.9	427.6	385.0	42.69	10.018		
9,200.0	9,170.2	9,250.0	9,170.5	19.4	24.6	83.75	266.5	807.9	427.6	384.9	42.78	9.996		
9,300.0	9,270.2	9,350.0	9,270.5	19.5	24.6	83.75	266.5	807.9	427.6	384.8	42.88	9.973		
9,400.0	9,370.2	9,450.0	9,370.5	19.6	24.7	83.75	266.5	807.9	427.6	384.7	42.98	9.950		
9,500.0	9,470.2	9,550.0	9,470.5	19.6	24.7	83.75	266.5	807.9	427.6	384.6	43.08	9.927		
9,600.0	9,570.2	9,650.0	9,570.5	19.7	24.7	83.75	266.5	807.9	427.6	384.5	43.18	9.904		
9,700.0	9,670.2	9,750.0	9,670.5	19.7	24.8	83.75	266.5	807.9	427.6	384.4	43.28	9.882		

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	
9,800.0	9,770.2	9,850.0	9,770.5	19.8	24.8	83.75	266.5	807.9	427.6	384.3	43.38	9.859	
9,900.0	9,870.2	9,950.0	9,870.5	19.9	24.9	83.75	266.5	807.9	427.6	384.2	43.48	9.836	
10,000.0	9,970.2	10,050.0	9,970.5	19.9	24.9	83.75	266.5	807.9	427.6	384.1	43.58	9.814	
10,100.0	10,070.2	10,150.0	10,070.5	20.0	25.0	83.75	266.5	807.9	427.6	384.0	43.68	9.791	
10,200.0	10,170.2	10,250.0	10,170.5	20.0	25.0	83.75	266.5	807.9	427.6	383.9	43.78	9.768	
10,300.0	10,270.2	10,350.0	10,270.5	20.1	25.1	83.75	266.5	807.9	427.6	383.8	43.88	9.746	
10,400.0	10,370.2	10,450.0	10,370.5	20.2	25.1	83.75	266.5	807.9	427.6	383.7	43.98	9.723	
10,500.0	10,470.2	10,550.0	10,470.5	20.2	25.1	83.75	266.5	807.9	427.6	383.6	44.08	9.701	
10,600.0	10,570.2	10,650.0	10,570.5	20.3	25.2	83.75	266.5	807.9	427.6	383.5	44.19	9.678	
10,700.0	10,670.2	10,750.0	10,670.5	20.3	25.2	83.75	266.5	807.9	427.6	383.4	44.29	9.656	
10,800.0	10,770.2	10,850.0	10,770.5	20.4	25.3	83.75	266.5	807.9	427.6	383.2	44.39	9.633	
10,900.0	10,870.2	10,950.0	10,870.5	20.5	25.3	83.75	266.5	807.9	427.6	383.1	44.50	9.611	
11,000.0	10,970.2	11,050.0	10,970.5	20.5	25.4	83.75	266.5	807.9	427.6	383.0	44.60	9.588	
11,100.0	11,070.2	11,150.0	11,070.5	20.6	25.4	83.75	266.5	807.9	427.6	382.9	44.70	9.566	
11,161.8	11,132.0	11,211.8	11,132.4	20.6	25.4	83.75	266.5	807.9	427.6	382.9	44.76	9.554	
11,200.0	11,170.2	11,250.0	11,170.5	20.6	25.5	-96.03	266.5	807.9	427.8	383.0	44.81	9.546	
11,250.0	11,219.9	11,299.6	11,220.2	20.6	25.5	-96.70	266.5	807.9	428.4	383.5	44.94	9.533	
11,300.0	11,268.9	11,348.7	11,269.2	20.7	25.5	-97.85	266.5	807.9	429.7	384.5	45.12	9.523	
11,350.0	11,316.8	11,398.1	11,318.7	20.7	25.5	-99.45	266.4	807.9	431.8	386.5	45.33	9.526	
11,400.0	11,363.4	11,453.8	11,374.2	20.7	25.5	-101.34	262.6	807.9	434.7	389.2	45.45	9.563	
11,450.0	11,408.2	11,511.4	11,430.9	20.8	25.5	-103.16	253.0	808.0	437.8	392.3	45.50	9.623	
11,500.0	11,450.9	11,571.0	11,488.4	20.8	25.5	-104.89	237.1	808.1	441.3	395.8	45.49	9.701	
11,550.0	11,491.2	11,632.7	11,545.7	20.8	25.6	-106.51	214.4	808.3	444.8	399.4	45.43	9.791	
11,600.0	11,528.7	11,696.4	11,602.1	20.9	25.6	-108.01	184.7	808.4	448.4	403.0	45.35	9.888	
11,650.0	11,563.3	11,762.3	11,656.4	20.9	25.6	-109.34	147.7	808.7	451.8	406.5	45.25	9.984	
11,700.0	11,594.5	11,830.0	11,707.5	20.9	25.6	-110.50	103.3	809.0	454.9	409.8	45.15	10.076	
11,750.0	11,622.2	11,899.5	11,754.2	21.0	25.7	-111.46	51.8	809.3	457.6	412.5	45.05	10.158	
11,800.0	11,646.2	11,970.4	11,795.0	21.0	25.7	-112.19	-6.1	809.7	459.7	414.7	44.94	10.228	
11,850.0	11,666.3	12,042.4	11,828.8	21.1	25.8	-112.69	-69.6	810.1	461.1	416.3	44.82	10.287	
11,900.0	11,682.3	12,115.1	11,854.6	21.1	25.8	-112.93	-137.6	810.5	461.8	417.1	44.68	10.336	
11,950.0	11,694.1	12,188.0	11,871.6	21.2	25.9	-112.91	-208.4	810.9	461.8	417.3	44.50	10.376	
12,000.0	11,701.7	12,260.6	11,879.4	21.2	26.0	-112.63	-280.6	811.4	460.9	416.6	44.28	10.410	
12,050.0	11,704.9	12,318.5	11,880.0	21.3	26.1	-112.34	-338.5	811.8	459.8	415.6	44.27	10.388	
12,061.8	11,705.0	12,330.4	11,880.0	21.3	26.1	-112.33	-350.3	811.8	459.8	415.5	44.30	10.380	
12,100.0	11,705.0	12,368.5	11,880.0	21.3	26.1	-112.33	-388.5	812.1	459.8	415.4	44.40	10.355	
12,200.0	11,705.0	12,468.5	11,880.0	21.5	26.3	-112.33	-488.5	812.7	459.8	415.0	44.73	10.280	
12,300.0	11,705.0	12,568.5	11,880.0	21.6	26.5	-112.33	-588.5	813.4	459.8	414.7	45.10	10.195	
12,400.0	11,705.0	12,668.5	11,880.0	21.8	26.6	-112.33	-688.5	814.0	459.7	414.2	45.52	10.100	
12,500.0	11,705.0	12,768.5	11,880.0	22.0	26.8	-112.33	-788.4	814.6	459.7	413.7	45.98	9.998	
12,600.0	11,705.0	12,868.5	11,880.0	22.3	27.1	-112.33	-888.4	815.3	459.7	413.2	46.50	9.887	
12,700.0	11,705.0	12,968.5	11,880.0	22.5	27.3	-112.33	-988.4	815.9	459.7	412.7	47.05	9.771	
12,800.0	11,705.0	13,068.5	11,880.0	22.8	27.6	-112.33	-1,088.4	816.5	459.7	412.0	47.65	9.648	
12,900.0	11,705.0	13,168.5	11,880.0	23.0	27.8	-112.34	-1,188.4	817.2	459.7	411.4	48.28	9.520	
13,000.0	11,705.0	13,268.5	11,880.0	23.3	28.1	-112.34	-1,288.4	817.8	459.7	410.7	48.96	9.389	
13,100.0	11,705.0	13,368.5	11,880.0	23.7	28.4	-112.34	-1,388.4	818.5	459.7	410.0	49.67	9.254	
13,200.0	11,705.0	13,468.5	11,880.0	24.0	28.8	-112.34	-1,488.4	819.1	459.6	409.2	50.42	9.116	
13,300.0	11,705.0	13,568.5	11,880.0	24.4	29.1	-112.34	-1,588.4	819.7	459.6	408.4	51.20	8.977	
13,400.0	11,705.0	13,668.5	11,880.0	24.8	29.4	-112.34	-1,688.4	820.4	459.6	407.6	52.02	8.836	
13,500.0	11,705.0	13,768.5	11,880.0	25.2	29.8	-112.34	-1,788.4	821.0	459.6	406.7	52.86	8.694	
13,600.0	11,705.0	13,868.5	11,880.0	25.6	30.2	-112.34	-1,888.4	821.6	459.6	405.8	53.74	8.552	
13,700.0	11,705.0	13,968.5	11,880.0	26.1	30.6	-112.34	-1,988.4	822.3	459.6	404.9	54.64	8.410	
13,800.0	11,705.0	14,068.5	11,880.0	26.5	31.0	-112.34	-2,088.4	822.9	459.6	404.0	55.57	8.269	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
13,900.0	11,705.0	14,168.5	11,880.0	27.0	31.4	-112.34		-2,188.4	823.6	459.5	403.0	56.53	8.129
14,000.0	11,705.0	14,268.5	11,880.0	27.5	31.8	-112.34		-2,288.4	824.2	459.5	402.0	57.51	7.991
14,100.0	11,705.0	14,368.5	11,880.0	28.0	32.3	-112.34		-2,388.4	824.8	459.5	401.0	58.51	7.854
14,200.0	11,705.0	14,468.5	11,880.0	28.5	32.7	-112.34		-2,488.4	825.5	459.5	400.0	59.53	7.718
14,300.0	11,705.0	14,568.5	11,880.0	29.0	33.2	-112.34		-2,588.4	826.1	459.5	398.9	60.58	7.585
14,400.0	11,705.0	14,668.5	11,880.0	29.6	33.7	-112.35		-2,688.4	826.7	459.5	397.8	61.64	7.454
14,500.0	11,705.0	14,768.5	11,880.0	30.1	34.2	-112.35		-2,788.4	827.4	459.5	396.7	62.73	7.325
14,600.0	11,705.0	14,868.5	11,880.0	30.7	34.7	-112.35		-2,888.4	828.0	459.5	395.6	63.83	7.199
14,700.0	11,705.0	14,968.5	11,880.0	31.2	35.2	-112.35		-2,988.4	828.6	459.4	394.5	64.94	7.075
14,800.0	11,705.0	15,068.5	11,880.0	31.8	35.7	-112.35		-3,088.4	829.3	459.4	393.4	66.08	6.953
14,900.0	11,705.0	15,168.5	11,880.0	32.4	36.2	-112.35		-3,188.4	829.9	459.4	392.2	67.22	6.834
15,000.0	11,705.0	15,268.5	11,880.0	33.0	36.8	-112.35		-3,288.4	830.6	459.4	391.0	68.39	6.718
15,100.0	11,705.0	15,368.5	11,880.0	33.6	37.3	-112.35		-3,388.4	831.2	459.4	389.8	69.56	6.604
15,200.0	11,705.0	15,468.5	11,880.0	34.2	37.9	-112.35		-3,488.4	831.8	459.4	388.6	70.75	6.493
15,300.0	11,705.0	15,568.5	11,880.0	34.8	38.4	-112.35		-3,588.4	832.5	459.4	387.4	71.95	6.385
15,400.0	11,705.0	15,668.5	11,880.0	35.5	39.0	-112.35		-3,688.4	833.1	459.4	386.2	73.16	6.279
15,500.0	11,705.0	15,768.5	11,880.0	36.1	39.6	-112.35		-3,788.4	833.7	459.3	385.0	74.39	6.175
15,600.0	11,705.0	15,868.5	11,880.0	36.7	40.2	-112.35		-3,888.4	834.4	459.3	383.7	75.62	6.074
15,700.0	11,705.0	15,968.5	11,880.0	37.4	40.7	-112.35		-3,988.4	835.0	459.3	382.5	76.86	5.976
15,800.0	11,705.0	16,068.5	11,880.0	38.0	41.3	-112.35		-4,088.4	835.7	459.3	381.2	78.12	5.880
15,900.0	11,705.0	16,168.5	11,880.0	38.6	41.9	-112.36		-4,188.4	836.3	459.3	379.9	79.38	5.786
16,000.0	11,705.0	16,268.5	11,880.0	39.3	42.5	-112.36		-4,288.4	836.9	459.3	378.6	80.65	5.695
16,100.0	11,705.0	16,368.5	11,880.0	40.0	43.1	-112.36		-4,388.4	837.6	459.3	377.3	81.93	5.606
16,200.0	11,705.0	16,468.5	11,880.0	40.6	43.8	-112.36		-4,488.4	838.2	459.3	376.0	83.21	5.519
16,300.0	11,705.0	16,568.5	11,880.0	41.3	44.4	-112.36		-4,588.4	838.8	459.2	374.7	84.51	5.434
16,400.0	11,705.0	16,668.5	11,880.0	42.0	45.0	-112.36		-4,688.4	839.5	459.2	373.4	85.81	5.352
16,500.0	11,705.0	16,768.5	11,880.0	42.6	45.6	-112.36		-4,788.4	840.1	459.2	372.1	87.12	5.271
16,600.0	11,705.0	16,868.5	11,880.0	43.3	46.3	-112.36		-4,888.4	840.7	459.2	370.8	88.43	5.193
16,700.0	11,705.0	16,968.5	11,880.0	44.0	46.9	-112.36		-4,988.4	841.4	459.2	369.4	89.75	5.116
16,800.0	11,705.0	17,068.5	11,880.0	44.7	47.5	-112.36		-5,088.4	842.0	459.2	368.1	91.08	5.041
16,900.0	11,705.0	17,168.5	11,880.0	45.3	48.2	-112.36		-5,188.4	842.7	459.2	366.7	92.41	4.969
17,000.0	11,705.0	17,268.5	11,880.0	46.0	48.8	-112.36		-5,288.4	843.3	459.1	365.4	93.75	4.897
17,100.0	11,705.0	17,368.5	11,880.0	46.7	49.5	-112.36		-5,388.4	843.9	459.1	364.0	95.10	4.828
17,200.0	11,705.0	17,468.5	11,880.0	47.4	50.1	-112.36		-5,488.4	844.6	459.1	362.7	96.44	4.760
17,300.0	11,705.0	17,568.5	11,880.0	48.1	50.8	-112.36		-5,588.4	845.2	459.1	361.3	97.80	4.694
17,400.0	11,705.0	17,668.5	11,880.0	48.8	51.5	-112.37		-5,688.3	845.8	459.1	359.9	99.16	4.630
17,500.0	11,705.0	17,768.5	11,880.0	49.5	52.1	-112.37		-5,788.3	846.5	459.1	358.6	100.52	4.567
17,600.0	11,705.0	17,868.5	11,880.0	50.2	52.8	-112.37		-5,888.3	847.1	459.1	357.2	101.88	4.506
17,700.0	11,705.0	17,968.5	11,880.0	50.9	53.4	-112.37		-5,988.3	847.7	459.1	355.8	103.25	4.446
17,800.0	11,705.0	18,068.5	11,880.0	51.6	54.1	-112.37		-6,088.3	848.4	459.0	354.4	104.63	4.387
17,900.0	11,705.0	18,168.5	11,880.0	52.3	54.8	-112.37		-6,188.3	849.0	459.0	353.0	106.01	4.330
18,000.0	11,705.0	18,268.5	11,880.0	53.0	55.5	-112.37		-6,288.3	849.7	459.0	351.6	107.39	4.274
18,100.0	11,705.0	18,368.5	11,880.0	53.7	56.2	-112.37		-6,388.3	850.3	459.0	350.2	108.77	4.220
18,200.0	11,705.0	18,468.5	11,880.0	54.4	56.8	-112.37		-6,488.3	850.9	459.0	348.8	110.16	4.167
18,300.0	11,705.0	18,568.5	11,880.0	55.2	57.5	-112.37		-6,588.3	851.6	459.0	347.4	111.55	4.114
18,400.0	11,705.0	18,668.5	11,880.0	55.9	58.2	-112.37		-6,688.3	852.2	459.0	346.0	112.95	4.064
18,500.0	11,705.0	18,768.5	11,880.0	56.6	58.9	-112.37		-6,788.3	852.8	459.0	344.6	114.35	4.014
18,600.0	11,705.0	18,868.5	11,880.0	57.3	59.6	-112.37		-6,888.3	853.5	458.9	343.2	115.75	3.965
18,700.0	11,705.0	18,968.5	11,880.0	58.0	60.3	-112.37		-6,988.3	854.1	458.9	341.8	117.15	3.917
18,800.0	11,705.0	19,068.5	11,880.0	58.7	61.0	-112.37		-7,088.3	854.8	458.9	340.4	118.56	3.871
18,900.0	11,705.0	19,168.5	11,880.0	59.5	61.7	-112.38		-7,188.3	855.4	458.9	338.9	119.97	3.825
19,000.0	11,705.0	19,268.5	11,880.0	60.2	62.4	-112.38		-7,288.3	856.0	458.9	337.5	121.38	3.781

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
19,100.0	11,705.0	19,368.5	11,880.0	60.9	63.0	-112.38	-7,388.3	856.7	458.9	336.1	122.79	3.737		
19,200.0	11,705.0	19,468.5	11,880.0	61.6	63.7	-112.38	-7,488.3	857.3	458.9	334.7	124.21	3.694		
19,300.0	11,705.0	19,568.5	11,880.0	62.3	64.4	-112.38	-7,588.3	857.9	458.9	333.2	125.62	3.653		
19,400.0	11,705.0	19,668.5	11,880.0	63.1	65.2	-112.38	-7,688.3	858.6	458.8	331.8	127.04	3.612		
19,500.0	11,705.0	19,768.5	11,880.0	63.8	65.9	-112.38	-7,788.3	859.2	458.8	330.4	128.47	3.572		
19,600.0	11,705.0	19,868.5	11,880.0	64.5	66.6	-112.38	-7,888.3	859.8	458.8	328.9	129.89	3.532		
19,700.0	11,705.0	19,968.5	11,880.0	65.3	67.3	-112.38	-7,988.3	860.5	458.8	327.5	131.32	3.494		
19,800.0	11,705.0	20,068.5	11,880.0	66.0	68.0	-112.38	-8,088.3	861.1	458.8	326.0	132.75	3.456		
19,900.0	11,705.0	20,168.5	11,880.0	66.7	68.7	-112.38	-8,188.3	861.8	458.8	324.6	134.18	3.419		
20,000.0	11,705.0	20,268.5	11,880.0	67.4	69.4	-112.38	-8,288.3	862.4	458.8	323.2	135.61	3.383		
20,100.0	11,705.0	20,368.5	11,880.0	68.2	70.1	-112.38	-8,388.3	863.0	458.8	321.7	137.04	3.348		
20,200.0	11,705.0	20,468.5	11,880.0	68.9	70.8	-112.38	-8,488.3	863.7	458.7	320.3	138.48	3.313		
20,300.0	11,705.0	20,568.5	11,880.0	69.6	71.5	-112.38	-8,588.3	864.3	458.7	318.8	139.91	3.279		
20,400.0	11,705.0	20,668.5	11,880.0	70.4	72.2	-112.38	-8,688.3	864.9	458.7	317.4	141.35	3.245		
20,500.0	11,705.0	20,768.5	11,880.0	71.1	73.0	-112.39	-8,788.3	865.6	458.7	315.9	142.79	3.212		
20,600.0	11,705.0	20,868.5	11,880.0	71.8	73.7	-112.39	-8,888.3	866.2	458.7	314.5	144.23	3.180		
20,700.0	11,705.0	20,968.5	11,880.0	72.6	74.4	-112.39	-8,988.3	866.8	458.7	313.0	145.68	3.149		
20,800.0	11,705.0	21,068.5	11,880.0	73.3	75.1	-112.39	-9,088.3	867.5	458.7	311.5	147.12	3.118		
20,900.0	11,705.0	21,168.5	11,880.0	74.0	75.8	-112.39	-9,188.3	868.1	458.6	310.1	148.56	3.087		
21,000.0	11,705.0	21,268.5	11,880.0	74.8	76.6	-112.39	-9,288.3	868.8	458.6	308.6	150.01	3.057		
21,100.0	11,705.0	21,368.5	11,880.0	75.5	77.3	-112.39	-9,388.3	869.4	458.6	307.2	151.46	3.028		
21,200.0	11,705.0	21,468.5	11,880.0	76.3	78.0	-112.39	-9,488.3	870.0	458.6	305.7	152.91	2.999		
21,300.0	11,705.0	21,568.5	11,880.0	77.0	78.7	-112.39	-9,588.3	870.7	458.6	304.2	154.36	2.971		
21,400.0	11,705.0	21,668.5	11,880.0	77.7	79.4	-112.39	-9,688.3	871.3	458.6	302.8	155.81	2.943		
21,463.5	11,705.0	21,732.1	11,880.0	78.2	79.9	-112.39	-9,751.8	871.7	458.6	301.8	156.73	2.926		
21,500.0	11,705.0	21,768.5	11,880.0	78.5	80.2	-112.39	-9,788.3	871.9	458.6	301.3	157.26	2.916		
21,513.5	11,705.0	21,782.1	11,880.0	78.6	80.3	-112.39	-9,801.8	872.0	458.6	301.1	157.45	2.912		
21,513.6	11,705.0	21,782.1	11,880.0	78.6	80.3	-112.39	-9,801.8	872.0	458.6	301.1	157.46	2.912		
21,514.4	11,705.0	21,782.1	11,880.0	78.6	80.3	-112.39	-9,801.8	872.0	458.6	301.1	157.47	2.912 SF		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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	1.9	1.9	3.0	3.0	90.33	-0.3	59.9	59.9				
100.0	100.0	101.9	101.9	3.0	3.0	90.33	-0.3	59.9	59.9	53.4	6.52	9.185	
200.0	200.0	201.9	201.9	3.2	3.2	90.33	-0.3	59.9	59.9	53.1	6.76	8.858	
300.0	300.0	301.9	301.9	3.3	3.3	90.33	-0.3	59.9	59.9	52.9	6.99	8.565	
400.0	400.0	401.9	401.9	3.4	3.4	90.33	-0.3	59.9	59.9	52.7	7.22	8.300	
500.0	500.0	501.9	501.9	3.5	3.5	90.33	-0.3	59.9	59.9	52.5	7.43	8.059	
600.0	600.0	601.9	601.9	3.7	3.7	90.33	-0.3	59.9	59.9	52.3	7.64	7.838	
700.0	700.0	701.9	701.9	3.8	3.8	90.33	-0.3	59.9	59.9	52.1	7.85	7.635	
800.0	800.0	801.9	801.9	3.9	3.9	90.33	-0.3	59.9	59.9	51.9	8.04	7.447	
900.0	900.0	901.9	901.9	4.0	4.0	90.33	-0.3	59.9	59.9	51.7	8.24	7.273	
1,000.0	1,000.0	1,001.9	1,001.9	4.2	4.2	90.33	-0.3	59.9	59.9	51.5	8.42	7.110	
1,100.0	1,100.0	1,101.9	1,101.9	4.3	4.3	90.33	-0.3	59.9	59.9	51.3	8.61	6.958	
1,200.0	1,200.0	1,201.9	1,201.9	4.4	4.4	90.33	-0.3	59.9	59.9	51.1	8.79	6.816	
1,300.0	1,300.0	1,301.9	1,301.9	4.5	4.5	90.33	-0.3	59.9	59.9	50.9	8.96	6.682	
1,400.0	1,400.0	1,401.9	1,401.9	4.6	4.6	90.33	-0.3	59.9	59.9	50.8	9.14	6.556	
1,466.0	1,466.0	1,467.9	1,467.9	4.7	4.7	90.33	-0.3	59.9	59.9	50.7	9.25	6.477 CC	
1,500.0	1,500.0	1,501.9	1,501.9	4.8	4.8	90.33	-0.3	59.9	59.9	50.6	9.31	6.437	
1,504.4	1,504.4	1,506.3	1,506.3	4.8	4.8	60.33	-0.3	59.9	59.9	50.6	9.32	6.431 ES	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	4.9	60.75	0.3	61.0	60.4	50.9	9.51	6.355	
1,700.0	1,699.9	1,699.2	1,699.1	5.1	5.0	62.04	2.2	64.4	61.9	52.0	9.87	6.269	
1,800.0	1,799.7	1,797.7	1,797.4	5.3	5.2	64.05	5.4	69.9	64.4	54.1	10.23	6.290	
1,900.0	1,899.3	1,896.2	1,895.5	5.5	5.4	66.61	9.9	77.7	68.0	57.4	10.60	6.413	
2,000.0	1,998.6	1,994.6	1,993.3	5.8	5.7	69.53	15.6	87.6	72.7	61.8	10.96	6.638	
2,033.3	2,031.6	2,027.4	2,025.7	5.8	5.7	70.55	17.8	91.4	74.6	63.6	11.01	6.777	
2,100.0	2,097.6	2,092.3	2,089.9	6.0	5.9	62.72	22.2	99.8	78.6	67.4	11.18	7.033	
2,200.0	2,196.7	2,189.3	2,185.5	6.3	6.2	48.87	28.4	115.0	85.1	73.4	11.63	7.316	
2,266.5	2,262.7	2,253.7	2,248.7	6.4	6.4	39.24	32.2	126.9	89.6	77.7	11.90	7.530	
2,300.0	2,295.8	2,286.0	2,280.3	6.5	6.5	38.96	34.0	133.4	92.2	80.1	12.04	7.658	
2,400.0	2,394.8	2,382.5	2,374.2	6.7	6.8	38.16	39.1	154.9	102.0	89.5	12.50	8.161	
2,500.0	2,493.9	2,481.9	2,470.6	7.0	7.1	37.44	44.1	178.4	113.3	100.2	13.06	8.673	
2,600.0	2,592.9	2,581.2	2,567.0	7.3	7.5	36.86	49.1	202.0	124.6	110.9	13.67	9.117	
2,700.0	2,691.9	2,680.6	2,663.4	7.6	7.9	36.37	54.1	225.5	135.9	121.6	14.30	9.506	
2,800.0	2,790.9	2,779.9	2,759.8	8.0	8.2	35.95	59.1	249.0	147.2	132.3	14.95	9.847	
2,900.0	2,890.0	2,879.3	2,856.2	8.3	8.6	35.60	64.1	272.5	158.5	142.9	15.62	10.146	
3,000.0	2,989.0	2,978.6	2,952.6	8.7	9.0	35.29	69.1	296.0	169.9	153.5	16.32	10.410	
3,100.0	3,088.0	3,078.0	3,049.0	9.0	9.4	35.02	74.1	319.5	181.2	164.2	17.03	10.643	
3,200.0	3,187.0	3,177.3	3,145.4	9.4	9.9	34.79	79.1	343.0	192.5	174.8	17.75	10.849	
3,300.0	3,286.1	3,276.7	3,241.8	9.8	10.3	34.57	84.1	366.5	203.9	185.4	18.48	11.032	
3,400.0	3,385.1	3,376.0	3,338.2	10.1	10.7	34.39	89.1	390.0	215.2	196.0	19.23	11.195	
3,500.0	3,484.1	3,475.4	3,434.6	10.5	11.1	34.22	94.1	413.5	226.6	206.6	19.98	11.340	
3,600.0	3,583.1	3,574.8	3,531.0	10.9	11.6	34.06	99.1	437.1	237.9	217.2	20.74	11.471	
3,700.0	3,682.2	3,674.1	3,627.5	11.3	12.0	33.92	104.1	460.6	249.3	227.8	21.51	11.588	
3,800.0	3,781.2	3,773.5	3,723.9	11.7	12.5	33.79	109.1	484.1	260.6	238.3	22.29	11.694	
3,900.0	3,880.2	3,872.8	3,820.3	12.1	12.9	33.68	114.1	507.6	272.0	248.9	23.07	11.790	
4,000.0	3,979.3	3,972.2	3,916.7	12.5	13.4	33.57	119.1	531.1	283.3	259.5	23.85	11.877	
4,100.0	4,078.3	4,071.5	4,013.1	12.9	13.8	33.47	124.1	554.6	294.7	270.0	24.65	11.956	
4,200.0	4,177.3	4,170.9	4,109.5	13.3	14.3	33.38	129.1	578.1	306.0	280.6	25.44	12.028	
4,300.0	4,276.3	4,270.2	4,205.9	13.7	14.7	33.29	134.1	601.6	317.4	291.1	26.24	12.094	
4,400.0	4,375.4	4,369.6	4,302.3	14.1	15.2	33.22	139.1	625.1	328.7	301.7	27.05	12.155	
4,500.0	4,474.4	4,468.9	4,398.7	14.5	15.7	33.14	144.1	648.6	340.1	312.2	27.85	12.211	
4,600.0	4,573.4	4,568.3	4,495.1	14.9	16.1	33.07	149.1	672.2	351.5	322.8	28.66	12.262	
4,700.0	4,672.4	4,667.6	4,591.5	15.3	16.6	33.01	154.1	695.7	362.8	333.3	29.47	12.309	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,796.5	4,768.0	4,763.5	4,684.5	15.7	17.0	32.95	158.9	718.4	373.8	343.5	30.26	12.353	
4,800.0	4,771.5	4,767.0	4,687.9	15.7	17.1	32.95	159.1	719.2	374.2	343.9	30.29	12.355	
4,900.0	4,870.7	4,866.1	4,784.1	16.3	17.5	32.88	164.0	742.6	387.1	355.8	31.23	12.393	
5,000.0	4,970.4	4,964.8	4,879.8	16.7	18.0	32.59	169.0	766.0	402.9	370.8	32.11	12.549	
5,100.0	5,070.2	5,062.9	4,975.0	17.0	18.5	32.11	173.9	789.2	421.7	388.7	32.99	12.783	
5,196.5	5,166.7	5,156.9	5,066.2	17.2	18.9	95.50	178.7	811.4	442.6	408.9	33.74	13.117	
5,200.0	5,170.2	5,160.3	5,069.5	17.2	18.9	95.47	178.8	812.2	443.4	409.7	33.77	13.132	
5,300.0	5,270.2	5,257.3	5,163.6	17.3	19.4	94.58	183.7	835.2	466.6	432.1	34.55	13.506	
5,400.0	5,370.2	5,354.4	5,257.8	17.4	19.8	93.77	188.6	858.2	489.9	454.7	35.23	13.904	
5,500.0	5,470.2	5,451.4	5,351.9	17.4	20.3	93.04	193.5	881.1	513.3	477.4	35.91	14.294	
5,600.0	5,570.2	5,548.4	5,446.1	17.5	20.8	92.37	198.4	904.1	536.7	500.1	36.58	14.673	
5,700.0	5,670.2	5,645.4	5,540.2	17.5	21.2	91.76	203.2	927.1	560.2	523.0	37.24	15.044	
5,800.0	5,770.2	5,742.5	5,634.4	17.6	21.7	91.19	208.1	950.0	583.8	545.9	37.90	15.405	
5,900.0	5,870.2	5,839.5	5,728.5	17.6	22.2	90.67	213.0	973.0	607.4	568.9	38.55	15.756	
6,000.0	5,970.2	5,936.5	5,822.7	17.7	22.6	90.19	217.9	995.9	631.1	591.9	39.20	16.098	
6,100.0	6,070.2	6,033.6	5,916.8	17.8	23.1	89.75	222.8	1,018.9	654.8	614.9	39.85	16.431	
6,200.0	6,170.2	6,130.6	6,011.0	17.8	23.6	89.33	227.6	1,041.9	678.5	638.0	40.50	16.754	
6,300.0	6,270.2	6,227.6	6,105.1	17.9	24.0	88.94	232.5	1,064.8	702.2	661.1	41.14	17.069	
6,400.0	6,370.2	6,324.7	6,199.3	17.9	24.5	88.58	237.4	1,087.8	726.0	684.3	41.79	17.375	
6,500.0	6,470.2	6,421.7	6,293.4	18.0	25.0	88.24	242.3	1,110.7	749.9	707.4	42.43	17.673	
6,600.0	6,570.2	6,518.7	6,387.6	18.0	25.4	87.92	247.2	1,133.7	773.7	730.6	43.07	17.963	
6,700.0	6,670.2	6,630.1	6,495.7	18.1	26.0	87.59	252.7	1,159.6	797.2	753.4	43.81	18.199	
6,800.0	6,770.2	6,765.8	6,628.6	18.1	26.6	87.26	258.3	1,186.3	817.1	772.4	44.65	18.297	
6,900.0	6,870.2	6,903.8	6,765.0	18.2	27.2	87.03	262.8	1,207.1	832.3	786.9	45.38	18.340	
7,000.0	6,970.2	7,043.7	6,904.1	18.2	27.8	86.87	265.8	1,221.6	842.8	796.8	45.95	18.340	
7,100.0	7,070.2	7,184.6	7,044.8	18.3	28.3	86.78	267.5	1,229.5	848.4	802.1	46.35	18.306	
7,200.0	7,170.2	7,311.9	7,172.1	18.3	28.5	86.77	267.8	1,230.9	849.5	803.1	46.38	18.315	
7,300.0	7,270.2	7,411.9	7,272.1	18.4	28.5	86.77	267.8	1,230.9	849.5	803.0	46.46	18.284	
7,400.0	7,370.2	7,511.9	7,372.1	18.4	28.6	86.77	267.8	1,230.9	849.5	802.9	46.54	18.254	
7,500.0	7,470.2	7,611.9	7,472.1	18.5	28.6	86.77	267.8	1,230.9	849.5	802.9	46.61	18.224	
7,600.0	7,570.2	7,711.9	7,572.1	18.5	28.6	86.77	267.8	1,230.9	849.5	802.8	46.69	18.194	
7,700.0	7,670.2	7,811.9	7,672.1	18.6	28.7	86.77	267.8	1,230.9	849.5	802.7	46.77	18.164	
7,800.0	7,770.2	7,911.9	7,772.1	18.7	28.7	86.77	267.8	1,230.9	849.5	802.6	46.85	18.133	
7,900.0	7,870.2	8,011.9	7,872.1	18.7	28.7	86.77	267.8	1,230.9	849.5	802.5	46.92	18.103	
8,000.0	7,970.2	8,111.9	7,972.1	18.8	28.8	86.77	267.8	1,230.9	849.5	802.5	47.00	18.072	
8,100.0	8,070.2	8,211.9	8,072.1	18.8	28.8	86.77	267.8	1,230.9	849.5	802.4	47.08	18.042	
8,200.0	8,170.2	8,311.9	8,172.1	18.9	28.8	86.77	267.8	1,230.9	849.5	802.3	47.16	18.011	
8,300.0	8,270.2	8,411.9	8,272.1	18.9	28.9	86.77	267.8	1,230.9	849.5	802.2	47.24	17.981	
8,400.0	8,370.2	8,511.9	8,372.1	19.0	28.9	86.77	267.8	1,230.9	849.5	802.1	47.32	17.950	
8,500.0	8,470.2	8,611.9	8,472.1	19.0	28.9	86.77	267.8	1,230.9	849.5	802.1	47.40	17.920	
8,600.0	8,570.2	8,711.9	8,572.1	19.1	28.9	86.77	267.8	1,230.9	849.5	802.0	47.49	17.889	
8,700.0	8,670.2	8,811.9	8,672.1	19.2	29.0	86.77	267.8	1,230.9	849.5	801.9	47.57	17.858	
8,800.0	8,770.2	8,911.9	8,772.1	19.2	29.0	86.77	267.8	1,230.9	849.5	801.8	47.65	17.827	
8,900.0	8,870.2	9,011.9	8,872.1	19.3	29.0	86.77	267.8	1,230.9	849.5	801.7	47.73	17.796	
9,000.0	8,970.2	9,111.9	8,972.1	19.3	29.1	86.77	267.8	1,230.9	849.5	801.7	47.82	17.765	
9,100.0	9,070.2	9,211.9	9,072.1	19.4	29.1	86.77	267.8	1,230.9	849.5	801.6	47.90	17.734	
9,200.0	9,170.2	9,311.9	9,172.1	19.4	29.1	86.77	267.8	1,230.9	849.5	801.5	47.98	17.703	
9,300.0	9,270.2	9,411.9	9,272.1	19.5	29.2	86.77	267.8	1,230.9	849.5	801.4	48.07	17.672	
9,400.0	9,370.2	9,511.9	9,372.1	19.6	29.2	86.77	267.8	1,230.9	849.5	801.3	48.15	17.641	
9,500.0	9,470.2	9,611.9	9,472.1	19.6	29.2	86.77	267.8	1,230.9	849.5	801.2	48.24	17.610	
9,600.0	9,570.2	9,711.9	9,572.1	19.7	29.3	86.77	267.8	1,230.9	849.5	801.1	48.32	17.579	
9,700.0	9,670.2	9,811.9	9,672.1	19.7	29.3	86.77	267.8	1,230.9	849.5	801.1	48.41	17.548	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
9,800.0	9,770.2	9,911.9	9,772.1	19.8	29.3	86.77		267.8	1,230.9	849.5	801.0	48.50	17.517
9,900.0	9,870.2	10,011.9	9,872.1	19.9	29.4	86.77		267.8	1,230.9	849.5	800.9	48.58	17.485
10,000.0	9,970.2	10,111.9	9,972.1	19.9	29.4	86.77		267.8	1,230.9	849.5	800.8	48.67	17.454
10,100.0	10,070.2	10,211.9	10,072.1	20.0	29.4	86.77		267.8	1,230.9	849.5	800.7	48.76	17.423
10,200.0	10,170.2	10,311.9	10,172.1	20.0	29.5	86.77		267.8	1,230.9	849.5	800.6	48.84	17.391
10,300.0	10,270.2	10,411.9	10,272.1	20.1	29.5	86.77		267.8	1,230.9	849.5	800.5	48.93	17.360
10,400.0	10,370.2	10,511.9	10,372.1	20.2	29.5	86.77		267.8	1,230.9	849.5	800.4	49.02	17.329
10,500.0	10,470.2	10,611.9	10,472.1	20.2	29.6	86.77		267.8	1,230.9	849.5	800.4	49.11	17.297
10,600.0	10,570.2	10,711.9	10,572.1	20.3	29.6	86.77		267.8	1,230.9	849.5	800.3	49.20	17.266
10,700.0	10,670.2	10,811.9	10,672.1	20.3	29.7	86.77		267.8	1,230.9	849.5	800.2	49.29	17.235
10,800.0	10,770.2	10,911.9	10,772.1	20.4	29.7	86.77		267.8	1,230.9	849.5	800.1	49.38	17.203
10,900.0	10,870.2	11,011.9	10,872.1	20.5	29.7	86.77		267.8	1,230.9	849.5	800.0	49.47	17.172
11,000.0	10,970.2	11,111.9	10,972.1	20.5	29.8	86.77		267.8	1,230.9	849.5	799.9	49.56	17.140
11,100.0	11,070.2	11,211.9	11,072.1	20.6	29.8	86.77		267.8	1,230.9	849.5	799.8	49.65	17.109
11,161.8	11,132.0	11,273.8	11,133.9	20.6	29.8	86.77		267.8	1,230.9	849.5	799.8	49.69	17.095
11,200.0	11,170.2	11,315.0	11,175.1	20.6	29.8	-92.85		266.4	1,231.0	849.5	799.8	49.68	17.099
11,250.0	11,219.9	11,369.0	11,228.7	20.6	29.8	-92.82		260.0	1,231.0	849.4	799.8	49.65	17.108
11,300.0	11,268.9	11,422.9	11,281.3	20.7	29.8	-92.77		248.6	1,231.1	849.4	799.8	49.62	17.120
11,350.0	11,316.8	11,476.7	11,332.6	20.7	29.8	-92.70		232.3	1,231.2	849.4	799.8	49.58	17.132
11,400.0	11,363.4	11,530.3	11,382.0	20.7	29.9	-92.60		211.4	1,231.3	849.3	799.8	49.53	17.145
11,450.0	11,408.2	11,583.8	11,429.1	20.8	29.9	-92.48		186.0	1,231.5	849.2	799.7	49.49	17.158
11,500.0	11,450.9	11,637.1	11,473.4	20.8	29.9	-92.34		156.5	1,231.7	849.1	799.7	49.46	17.170
11,550.0	11,491.2	11,690.2	11,514.6	20.8	29.9	-92.19		123.2	1,231.9	849.0	799.6	49.42	17.179
11,600.0	11,528.7	11,743.0	11,552.4	20.9	29.9	-92.01		86.3	1,232.1	848.9	799.5	49.40	17.185
11,650.0	11,563.3	11,795.5	11,586.5	20.9	29.9	-91.82		46.4	1,232.4	848.8	799.4	49.39	17.188
11,700.0	11,594.5	11,847.7	11,616.7	20.9	30.0	-91.62		3.7	1,232.7	848.7	799.4	49.39	17.186
11,750.0	11,622.2	11,899.7	11,642.6	21.0	30.0	-91.40		-41.2	1,232.9	848.7	799.3	49.40	17.178
11,800.0	11,646.2	11,951.3	11,664.3	21.0	30.0	-91.18		-88.1	1,233.2	848.6	799.1	49.44	17.165
11,850.0	11,666.3	12,002.6	11,681.6	21.1	30.1	-90.94		-136.3	1,233.6	848.5	799.0	49.49	17.145
11,900.0	11,682.3	12,053.6	11,694.4	21.1	30.1	-90.70		-185.6	1,233.9	848.5	798.9	49.56	17.119
11,950.0	11,694.1	12,104.2	11,702.8	21.2	30.2	-90.46		-235.6	1,234.2	848.4	798.8	49.66	17.086
12,000.0	11,701.7	12,154.5	11,706.7	21.2	30.2	-90.21		-285.7	1,234.5	848.4	798.6	49.77	17.047
12,050.0	11,704.9	12,204.5	11,707.0	21.3	30.3	-90.02		-335.7	1,234.8	848.4	798.5	49.89	17.004
12,061.8	11,705.0	12,216.3	11,707.0	21.3	30.3	-90.01		-347.5	1,234.9	848.4	798.5	49.92	16.995
12,100.0	11,705.0	12,254.5	11,707.0	21.3	30.3	-90.01		-385.7	1,235.2	848.4	798.4	50.01	16.963
12,200.0	11,705.0	12,354.5	11,707.0	21.5	30.5	-90.01		-485.7	1,235.8	848.4	798.1	50.30	16.868
12,300.0	11,705.0	12,454.5	11,707.0	21.6	30.7	-90.01		-585.7	1,236.5	848.4	797.8	50.62	16.759
12,400.0	11,705.0	12,554.5	11,707.0	21.8	30.8	-90.01		-685.7	1,237.1	848.4	797.4	50.99	16.637
12,500.0	11,705.0	12,654.5	11,707.0	22.0	31.0	-90.01		-785.7	1,237.8	848.4	797.0	51.40	16.504
12,600.0	11,705.0	12,754.5	11,707.0	22.3	31.2	-90.01		-885.7	1,238.4	848.4	796.5	51.85	16.360
12,700.0	11,705.0	12,854.5	11,707.0	22.5	31.5	-90.01		-985.7	1,239.0	848.4	796.0	52.35	16.207
12,800.0	11,705.0	12,954.5	11,707.0	22.8	31.7	-90.01		-1,085.7	1,239.7	848.4	795.5	52.88	16.044
12,900.0	11,705.0	13,054.5	11,707.0	23.0	32.0	-90.01		-1,185.7	1,240.3	848.4	794.9	53.44	15.873
13,000.0	11,705.0	13,154.5	11,707.0	23.3	32.2	-90.01		-1,285.7	1,241.0	848.3	794.3	54.05	15.696
13,100.0	11,705.0	13,254.5	11,707.0	23.7	32.5	-90.01		-1,385.7	1,241.6	848.3	793.7	54.69	15.512
13,200.0	11,705.0	13,354.5	11,707.0	24.0	32.8	-90.01		-1,485.7	1,242.3	848.3	793.0	55.36	15.323
13,300.0	11,705.0	13,454.5	11,707.0	24.4	33.1	-90.01		-1,585.7	1,242.9	848.3	792.3	56.07	15.130
13,400.0	11,705.0	13,554.5	11,707.0	24.8	33.4	-90.01		-1,685.7	1,243.6	848.3	791.5	56.81	14.934
13,500.0	11,705.0	13,654.5	11,707.0	25.2	33.8	-90.01		-1,785.7	1,244.2	848.3	790.8	57.57	14.735
13,600.0	11,705.0	13,754.5	11,707.0	25.6	34.1	-90.01		-1,885.6	1,244.9	848.3	790.0	58.37	14.533
13,700.0	11,705.0	13,854.5	11,707.0	26.1	34.5	-90.01		-1,985.6	1,245.5	848.3	789.1	59.19	14.331
13,800.0	11,705.0	13,954.5	11,707.0	26.5	34.9	-90.01		-2,085.6	1,246.2	848.3	788.3	60.05	14.128

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,900.0	11,705.0	14,054.5	11,707.0	27.0	35.3	-90.01	-2,185.6	1,246.8	848.3	787.4	60.92	13.924	
14,000.0	11,705.0	14,154.5	11,707.0	27.5	35.7	-90.01	-2,285.6	1,247.4	848.3	786.5	61.82	13.721	
14,100.0	11,705.0	14,254.5	11,707.0	28.0	36.1	-90.01	-2,385.6	1,248.1	848.3	785.6	62.75	13.519	
14,200.0	11,705.0	14,354.5	11,707.0	28.5	36.5	-90.01	-2,485.6	1,248.7	848.3	784.6	63.70	13.318	
14,300.0	11,705.0	14,454.5	11,707.0	29.0	36.9	-90.01	-2,585.6	1,249.4	848.3	783.6	64.67	13.118	
14,400.0	11,705.0	14,554.5	11,707.0	29.6	37.4	-90.01	-2,685.6	1,250.0	848.3	782.6	65.65	12.921	
14,500.0	11,705.0	14,654.5	11,707.0	30.1	37.8	-90.01	-2,785.6	1,250.7	848.3	781.6	66.66	12.725	
14,600.0	11,705.0	14,754.5	11,707.0	30.7	38.3	-90.01	-2,885.6	1,251.3	848.3	780.6	67.69	12.532	
14,700.0	11,705.0	14,854.5	11,707.0	31.2	38.7	-90.01	-2,985.6	1,252.0	848.3	779.5	68.73	12.341	
14,800.0	11,705.0	14,954.5	11,707.0	31.8	39.2	-90.01	-3,085.6	1,252.6	848.3	778.5	69.80	12.153	
14,900.0	11,705.0	15,054.5	11,707.0	32.4	39.7	-90.01	-3,185.6	1,253.3	848.3	777.4	70.87	11.968	
15,000.0	11,705.0	15,154.5	11,707.0	33.0	40.2	-90.01	-3,285.6	1,253.9	848.3	776.3	71.97	11.787	
15,100.0	11,705.0	15,254.5	11,707.0	33.6	40.7	-90.01	-3,385.6	1,254.6	848.3	775.2	73.08	11.608	
15,200.0	11,705.0	15,354.5	11,707.0	34.2	41.2	-90.01	-3,485.6	1,255.2	848.3	774.1	74.20	11.432	
15,300.0	11,705.0	15,454.5	11,707.0	34.8	41.7	-90.01	-3,585.6	1,255.9	848.2	772.9	75.34	11.260	
15,400.0	11,705.0	15,554.5	11,707.0	35.5	42.3	-90.01	-3,685.6	1,256.5	848.2	771.8	76.48	11.090	
15,500.0	11,705.0	15,654.5	11,707.0	36.1	42.8	-90.01	-3,785.6	1,257.1	848.2	770.6	77.65	10.924	
15,600.0	11,705.0	15,754.5	11,707.0	36.7	43.3	-90.01	-3,885.6	1,257.8	848.2	769.4	78.82	10.762	
15,700.0	11,705.0	15,854.5	11,707.0	37.4	43.9	-90.01	-3,985.6	1,258.4	848.2	768.2	80.00	10.603	
15,800.0	11,705.0	15,954.5	11,707.0	38.0	44.4	-90.01	-4,085.6	1,259.1	848.2	767.0	81.20	10.446	
15,900.0	11,705.0	16,054.5	11,707.0	38.6	45.0	-90.01	-4,185.6	1,259.7	848.2	765.8	82.40	10.294	
16,000.0	11,705.0	16,154.5	11,707.0	39.3	45.6	-90.01	-4,285.6	1,260.4	848.2	764.6	83.62	10.144	
16,100.0	11,705.0	16,254.5	11,707.0	40.0	46.1	-90.01	-4,385.6	1,261.0	848.2	763.4	84.84	9.997	
16,200.0	11,705.0	16,354.5	11,707.0	40.6	46.7	-90.01	-4,485.6	1,261.7	848.2	762.1	86.08	9.854	
16,300.0	11,705.0	16,454.5	11,707.0	41.3	47.3	-90.01	-4,585.6	1,262.3	848.2	760.9	87.32	9.714	
16,400.0	11,705.0	16,554.5	11,707.0	42.0	47.9	-90.01	-4,685.6	1,263.0	848.2	759.6	88.57	9.577	
16,500.0	11,705.0	16,654.5	11,707.0	42.6	48.5	-90.01	-4,785.6	1,263.6	848.2	758.4	89.83	9.443	
16,600.0	11,705.0	16,754.5	11,707.0	43.3	49.1	-90.01	-4,885.6	1,264.3	848.2	757.1	91.09	9.311	
16,700.0	11,705.0	16,854.5	11,707.0	44.0	49.7	-90.01	-4,985.6	1,264.9	848.2	755.8	92.37	9.183	
16,800.0	11,705.0	16,954.5	11,707.0	44.7	50.3	-90.01	-5,085.6	1,265.5	848.2	754.5	93.65	9.057	
16,900.0	11,705.0	17,054.5	11,707.0	45.3	50.9	-90.01	-5,185.6	1,266.2	848.2	753.2	94.93	8.935	
17,000.0	11,705.0	17,154.5	11,707.0	46.0	51.5	-90.01	-5,285.6	1,266.8	848.2	752.0	96.23	8.814	
17,100.0	11,705.0	17,254.5	11,707.0	46.7	52.1	-90.01	-5,385.6	1,267.5	848.2	750.6	97.52	8.697	
17,200.0	11,705.0	17,354.5	11,707.0	47.4	52.8	-90.01	-5,485.6	1,268.1	848.2	749.3	98.83	8.582	
17,300.0	11,705.0	17,454.5	11,707.0	48.1	53.4	-90.01	-5,585.6	1,268.8	848.2	748.0	100.14	8.470	
17,400.0	11,705.0	17,554.5	11,707.0	48.8	54.0	-90.01	-5,685.6	1,269.4	848.2	746.7	101.46	8.360	
17,500.0	11,705.0	17,654.5	11,707.0	49.5	54.6	-90.01	-5,785.6	1,270.1	848.2	745.4	102.78	8.252	
17,600.0	11,705.0	17,754.5	11,707.0	50.2	55.3	-90.01	-5,885.6	1,270.7	848.2	744.0	104.11	8.147	
17,700.0	11,705.0	17,854.5	11,707.0	50.9	55.9	-90.01	-5,985.6	1,271.4	848.1	742.7	105.44	8.044	
17,800.0	11,705.0	17,954.5	11,707.0	51.6	56.6	-90.01	-6,085.6	1,272.0	848.1	741.4	106.77	7.943	
17,900.0	11,705.0	18,054.5	11,707.0	52.3	57.2	-90.01	-6,185.6	1,272.7	848.1	740.0	108.11	7.845	
18,000.0	11,705.0	18,154.5	11,707.0	53.0	57.9	-90.01	-6,285.6	1,273.3	848.1	738.7	109.46	7.748	
18,100.0	11,705.0	18,254.5	11,707.0	53.7	58.5	-90.01	-6,385.6	1,273.9	848.1	737.3	110.81	7.654	
18,200.0	11,705.0	18,354.5	11,707.0	54.4	59.2	-90.01	-6,485.6	1,274.6	848.1	736.0	112.16	7.562	
18,300.0	11,705.0	18,454.5	11,707.0	55.2	59.8	-90.01	-6,585.6	1,275.2	848.1	734.6	113.52	7.471	
18,400.0	11,705.0	18,554.5	11,707.0	55.9	60.5	-90.01	-6,685.5	1,275.9	848.1	733.2	114.88	7.383	
18,500.0	11,705.0	18,654.5	11,707.0	56.6	61.1	-90.01	-6,785.5	1,276.5	848.1	731.9	116.24	7.296	
18,600.0	11,705.0	18,754.5	11,707.0	57.3	61.8	-90.01	-6,885.5	1,277.2	848.1	730.5	117.61	7.211	
18,700.0	11,705.0	18,854.5	11,707.0	58.0	62.5	-90.01	-6,985.5	1,277.8	848.1	729.1	118.98	7.128	
18,800.0	11,705.0	18,954.5	11,707.0	58.7	63.1	-90.01	-7,085.5	1,278.5	848.1	727.7	120.36	7.047	
18,900.0	11,705.0	19,054.5	11,707.0	59.5	63.8	-90.01	-7,185.5	1,279.1	848.1	726.4	121.73	6.967	
19,000.0	11,705.0	19,154.5	11,707.0	60.2	64.5	-90.01	-7,285.5	1,279.8	848.1	725.0	123.11	6.889	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor
19,100.0	11,705.0	19,254.5	11,707.0	60.9	65.2	-90.01	-7,385.5	1,280.4	848.1	723.6		124.50	6.812
19,200.0	11,705.0	19,354.5	11,707.0	61.6	65.8	-90.01	-7,485.5	1,281.1	848.1	722.2		125.88	6.737
19,300.0	11,705.0	19,454.5	11,707.0	62.3	66.5	-90.01	-7,585.5	1,281.7	848.1	720.8		127.27	6.663
19,400.0	11,705.0	19,554.5	11,707.0	63.1	67.2	-90.01	-7,685.5	1,282.4	848.1	719.4		128.66	6.591
19,500.0	11,705.0	19,654.5	11,707.0	63.8	67.9	-90.01	-7,785.5	1,283.0	848.1	718.0		130.06	6.521
19,600.0	11,705.0	19,754.5	11,707.0	64.5	68.6	-90.01	-7,885.5	1,283.6	848.1	716.6		131.46	6.451
19,700.0	11,705.0	19,854.5	11,707.0	65.3	69.2	-90.01	-7,985.5	1,284.3	848.1	715.2		132.86	6.383
19,800.0	11,705.0	19,954.5	11,707.0	66.0	69.9	-90.01	-8,085.5	1,284.9	848.1	713.8		134.26	6.317
19,900.0	11,705.0	20,054.5	11,707.0	66.7	70.6	-90.01	-8,185.5	1,285.6	848.1	712.4		135.66	6.251
20,000.0	11,705.0	20,154.5	11,707.0	67.4	71.3	-90.01	-8,285.5	1,286.2	848.0	711.0		137.07	6.187
20,100.0	11,705.0	20,254.5	11,707.0	68.2	72.0	-90.01	-8,385.5	1,286.9	848.0	709.6		138.47	6.124
20,200.0	11,705.0	20,354.5	11,707.0	68.9	72.7	-90.01	-8,485.5	1,287.5	848.0	708.2		139.88	6.062
20,300.0	11,705.0	20,454.5	11,707.0	69.6	73.4	-90.01	-8,585.5	1,288.2	848.0	706.7		141.30	6.002
20,400.0	11,705.0	20,554.5	11,707.0	70.4	74.1	-90.01	-8,685.5	1,288.8	848.0	705.3		142.71	5.942
20,500.0	11,705.0	20,654.5	11,707.0	71.1	74.8	-90.01	-8,785.5	1,289.5	848.0	703.9		144.13	5.884
20,600.0	11,705.0	20,754.5	11,707.0	71.8	75.5	-90.01	-8,885.5	1,290.1	848.0	702.5		145.54	5.827
20,700.0	11,705.0	20,854.5	11,707.0	72.6	76.2	-90.01	-8,985.5	1,290.8	848.0	701.1		146.96	5.770
20,800.0	11,705.0	20,954.5	11,707.0	73.3	76.9	-90.01	-9,085.5	1,291.4	848.0	699.6		148.39	5.715
20,900.0	11,705.0	21,054.5	11,707.0	74.0	77.6	-90.01	-9,185.5	1,292.0	848.0	698.2		149.81	5.661
21,000.0	11,705.0	21,154.5	11,707.0	74.8	78.3	-90.01	-9,285.5	1,292.7	848.0	696.8		151.23	5.607
21,100.0	11,705.0	21,254.5	11,707.0	75.5	79.0	-90.01	-9,385.5	1,293.3	848.0	695.3		152.66	5.555
21,200.0	11,705.0	21,354.5	11,707.0	76.3	79.7	-90.01	-9,485.5	1,294.0	848.0	693.9		154.09	5.503
21,300.0	11,705.0	21,454.5	11,707.0	77.0	80.4	-90.01	-9,585.5	1,294.6	848.0	692.5		155.52	5.453
21,400.0	11,705.0	21,554.5	11,707.0	77.7	81.1	-90.01	-9,685.5	1,295.3	848.0	691.0		156.95	5.403
21,463.5	11,705.0	21,618.0	11,707.0	78.2	81.6	-90.01	-9,749.0	1,295.7	848.0	690.1		157.85	5.372
21,500.0	11,705.0	21,654.5	11,707.0	78.5	81.8	-90.01	-9,785.5	1,295.9	848.0	689.7		158.31	5.356
21,513.5	11,705.0	21,668.0	11,707.0	78.6	81.9	-90.01	-9,799.0	1,296.0	848.0	689.5		158.49	5.351
21,513.7	11,705.0	21,668.1	11,707.0	78.6	81.9	-90.01	-9,799.1	1,296.0	848.0	689.5		158.49	5.350
21,514.4	11,705.0	21,668.1	11,707.0	78.6	81.9	-90.01	-9,799.1	1,296.0	848.0	689.5		158.50	5.350 SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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)			
0.0	0.0	1.1	1.1	3.0	3.0	90.35	-0.5	89.9	90.0				
100.0	100.0	101.1	101.1	3.0	3.0	90.35	-0.5	89.9	90.0	83.4	6.52	13.794	
200.0	200.0	201.1	201.1	3.2	3.2	90.35	-0.5	89.9	90.0	83.2	6.76	13.304	
300.0	300.0	301.1	301.1	3.3	3.3	90.35	-0.5	89.9	90.0	83.0	6.99	12.864	
400.0	400.0	401.1	401.1	3.4	3.4	90.35	-0.5	89.9	90.0	82.7	7.22	12.466	
500.0	500.0	501.1	501.1	3.5	3.5	90.35	-0.5	89.9	90.0	82.5	7.43	12.103	
600.0	600.0	601.1	601.1	3.7	3.7	90.35	-0.5	89.9	90.0	82.3	7.64	11.772	
700.0	700.0	701.1	701.1	3.8	3.8	90.35	-0.5	89.9	90.0	82.1	7.84	11.466	
800.0	800.0	801.1	801.1	3.9	3.9	90.35	-0.5	89.9	90.0	81.9	8.04	11.184	
900.0	900.0	901.1	901.1	4.0	4.0	90.35	-0.5	89.9	90.0	81.7	8.24	10.922	
1,000.0	1,000.0	1,001.1	1,001.1	4.2	4.2	90.35	-0.5	89.9	90.0	81.5	8.42	10.678	
1,100.0	1,100.0	1,101.1	1,101.1	4.3	4.3	90.35	-0.5	89.9	90.0	81.3	8.61	10.450	
1,200.0	1,200.0	1,201.1	1,201.1	4.4	4.4	90.35	-0.5	89.9	90.0	81.2	8.79	10.236	
1,300.0	1,300.0	1,301.1	1,301.1	4.5	4.5	90.35	-0.5	89.9	90.0	81.0	8.96	10.035	
1,400.0	1,400.0	1,401.1	1,401.1	4.6	4.6	90.35	-0.5	89.9	90.0	80.8	9.14	9.846	
1,466.3	1,466.3	1,467.4	1,467.4	4.7	4.7	90.35	-0.5	89.9	90.0	80.7	9.25	9.727 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	90.35	-0.5	89.9	90.0	80.7	9.30	9.669 ES	
1,600.0	1,600.0	1,598.0	1,598.0	4.9	4.8	60.88	-0.3	91.6	91.0	81.4	9.58	9.505	
1,700.0	1,699.9	1,694.8	1,694.7	5.1	5.0	62.39	0.4	96.5	94.2	84.2	10.00	9.422 SF	
1,800.0	1,799.7	1,791.4	1,790.9	5.3	5.2	64.69	1.5	104.6	99.6	89.2	10.42	9.559	
1,900.0	1,899.3	1,887.6	1,886.4	5.5	5.5	67.50	3.1	115.9	107.4	96.5	10.84	9.906	
2,000.0	1,998.6	1,983.3	1,981.0	5.8	5.8	70.53	5.1	130.2	117.7	106.4	11.26	10.454	
2,033.3	2,031.6	2,015.0	2,012.3	5.8	5.9	71.54	5.9	135.7	121.7	110.4	11.37	10.710	
2,100.0	2,097.6	2,078.4	2,074.5	6.0	6.1	63.89	7.5	147.6	130.2	118.6	11.62	11.200	
2,200.0	2,196.7	2,173.4	2,167.2	6.3	6.5	50.39	10.4	168.0	143.1	131.0	12.12	11.808	
2,266.5	2,262.7	2,236.4	2,228.3	6.4	6.7	41.07	12.5	183.2	151.8	139.4	12.37	12.274	
2,300.0	2,295.8	2,268.9	2,259.7	6.5	6.8	40.94	13.7	191.5	156.3	143.8	12.48	12.524	
2,400.0	2,394.8	2,367.9	2,355.4	6.7	7.1	40.56	17.3	216.8	169.8	156.8	13.00	13.063	
2,500.0	2,493.9	2,467.0	2,451.1	7.0	7.4	40.23	20.9	242.2	183.3	169.7	13.57	13.509	
2,600.0	2,592.9	2,566.1	2,546.8	7.3	7.8	39.96	24.4	267.6	196.8	182.7	14.17	13.891	
2,700.0	2,691.9	2,665.2	2,642.5	7.6	8.2	39.71	28.0	293.0	210.3	195.5	14.79	14.218	
2,800.0	2,790.9	2,764.3	2,738.2	8.0	8.5	39.50	31.6	318.4	223.9	208.4	15.44	14.499	
2,900.0	2,890.0	2,863.3	2,833.9	8.3	8.9	39.31	35.1	343.8	237.4	221.3	16.10	14.740	
3,000.0	2,989.0	2,962.4	2,929.6	8.7	9.3	39.14	38.7	369.2	250.9	234.1	16.79	14.947	
3,100.0	3,088.0	3,061.5	3,025.3	9.0	9.8	38.99	42.3	394.6	264.4	247.0	17.48	15.126	
3,200.0	3,187.0	3,160.6	3,121.0	9.4	10.2	38.86	45.8	420.0	278.0	259.8	18.19	15.279	
3,300.0	3,286.1	3,259.6	3,216.7	9.8	10.6	38.73	49.4	445.4	291.5	272.6	18.91	15.412	
3,400.0	3,385.1	3,358.7	3,312.4	10.1	11.0	38.62	53.0	470.8	305.0	285.4	19.64	15.528	
3,500.0	3,484.1	3,457.8	3,408.1	10.5	11.5	38.52	56.5	496.2	318.6	298.2	20.38	15.628	
3,600.0	3,583.1	3,556.9	3,503.8	10.9	11.9	38.42	60.1	521.6	332.1	311.0	21.13	15.715	
3,700.0	3,682.2	3,656.0	3,599.5	11.3	12.4	38.33	63.7	547.0	345.6	323.8	21.89	15.791	
3,800.0	3,781.2	3,755.0	3,695.2	11.7	12.8	38.25	67.2	572.4	359.2	336.5	22.65	15.857	
3,900.0	3,880.2	3,854.1	3,790.9	12.1	13.3	38.18	70.8	597.8	372.7	349.3	23.42	15.915	
4,000.0	3,979.3	3,953.2	3,886.6	12.5	13.7	38.11	74.4	623.1	386.3	362.1	24.19	15.966	
4,100.0	4,078.3	4,052.3	3,982.3	12.9	14.2	38.04	78.0	648.5	399.8	374.8	24.97	16.011	
4,200.0	4,177.3	4,151.4	4,078.0	13.3	14.6	37.98	81.5	673.9	413.3	387.6	25.75	16.050	
4,300.0	4,276.3	4,250.4	4,173.7	13.7	15.1	37.92	85.1	699.3	426.9	400.3	26.54	16.085	
4,400.0	4,375.4	4,349.5	4,269.4	14.1	15.6	37.87	88.7	724.7	440.4	413.1	27.33	16.115	
4,500.0	4,474.4	4,448.6	4,365.1	14.5	16.0	37.82	92.2	750.1	454.0	425.8	28.12	16.142	
4,600.0	4,573.4	4,547.7	4,460.8	14.9	16.5	37.77	95.8	775.5	467.5	438.6	28.92	16.166	
4,700.0	4,672.4	4,646.7	4,556.5	15.3	17.0	37.73	99.4	800.9	481.0	451.3	29.72	16.187	
4,796.5	4,768.0	4,742.4	4,648.9	15.7	17.4	37.69	102.8	825.4	494.1	463.6	30.49	16.206	

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 #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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
4,800.0	4,771.5	4,745.8	4,652.2	15.7	17.4	37.69	102.9	826.3	494.6	464.1		30.52	16.207
4,900.0	4,870.7	4,844.7	4,747.7	16.3	17.9	37.71	106.5	851.6	509.6	478.1		31.44	16.206
5,000.0	4,970.4	4,943.0	4,842.7	16.7	18.4	37.53	110.0	876.8	527.3	495.0		32.29	16.329
5,100.0	5,070.2	5,040.7	4,937.1	17.0	18.8	37.20	113.6	901.9	547.8	514.7		33.15	16.526
5,196.5	5,166.7	5,134.3	5,027.5	17.2	19.3	100.74	116.9	925.9	570.2	536.4		33.89	16.826
5,200.0	5,170.2	5,137.7	5,030.8	17.2	19.3	100.71	117.1	926.7	571.1	537.2		33.92	16.839
5,300.0	5,270.2	5,234.3	5,124.1	17.3	19.8	99.92	120.5	951.5	595.8	561.1		34.70	17.170
5,400.0	5,370.2	5,330.9	5,217.4	17.4	20.2	99.18	124.0	976.3	620.5	585.1		35.39	17.535
5,500.0	5,470.2	5,427.5	5,310.7	17.4	20.7	98.51	127.5	1,001.0	645.4	609.3		36.07	17.892
5,600.0	5,570.2	5,524.1	5,404.0	17.5	21.2	97.88	131.0	1,025.8	670.3	633.5		36.75	18.240
5,700.0	5,670.2	5,620.7	5,497.3	17.5	21.6	97.30	134.4	1,050.5	695.3	657.8		37.42	18.580
5,800.0	5,770.2	5,717.3	5,590.6	17.6	22.1	96.75	137.9	1,075.3	720.3	682.2		38.09	18.911
5,900.0	5,870.2	5,813.9	5,683.9	17.6	22.6	96.25	141.4	1,100.0	745.4	706.7		38.76	19.233
6,000.0	5,970.2	5,910.5	5,777.2	17.7	23.0	95.78	144.9	1,124.8	770.6	731.2		39.42	19.547
6,100.0	6,070.2	6,007.0	5,870.5	17.8	23.5	95.33	148.4	1,149.5	795.8	755.7		40.09	19.852
6,200.0	6,170.2	6,103.6	5,963.8	17.8	24.0	94.92	151.8	1,174.3	821.1	780.3		40.75	20.149
6,300.0	6,270.2	6,200.2	6,057.1	17.9	24.5	94.53	155.3	1,199.1	846.3	804.9		41.41	20.438
6,400.0	6,370.2	6,296.8	6,150.4	17.9	24.9	94.16	158.8	1,223.8	871.7	829.6		42.07	20.719
6,500.0	6,470.2	6,393.4	6,243.7	18.0	25.4	93.81	162.3	1,248.6	897.0	854.3		42.73	20.993
6,600.0	6,570.2	6,490.0	6,337.0	18.0	25.9	93.48	165.8	1,273.3	922.4	879.0		43.39	21.259
6,700.0	6,670.2	6,586.6	6,430.3	18.1	26.3	93.17	169.2	1,298.1	947.8	903.8		44.05	21.517
6,800.0	6,770.2	6,683.2	6,523.6	18.1	26.8	92.88	172.7	1,322.8	973.2	928.5		44.71	21.769
6,900.0	6,870.2	6,779.8	6,616.9	18.2	27.3	92.60	176.2	1,347.6	998.7	953.3		45.37	22.014

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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 @ 3198.3usft

Offset Depths are relative to Offset Datum

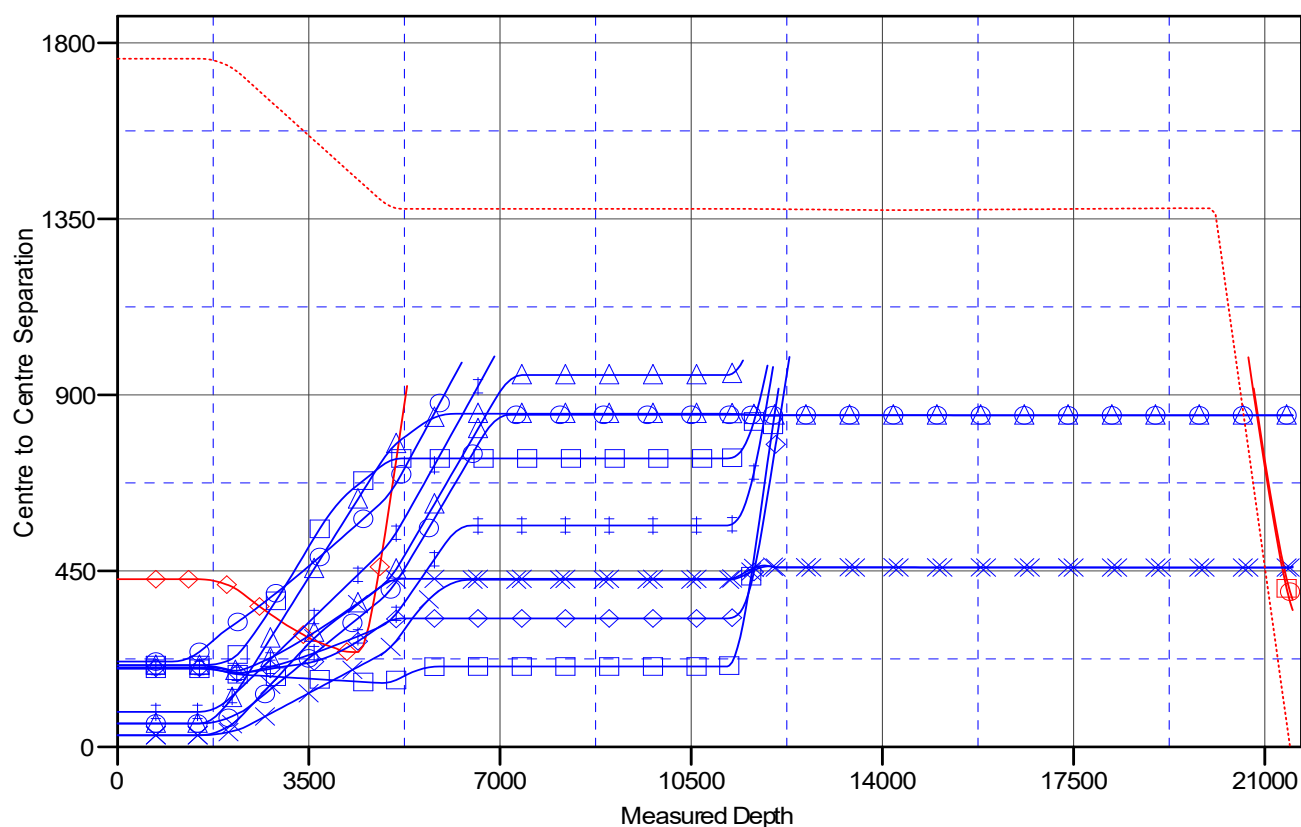
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #761H

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 #760H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #712H OWB, PWP1 V0
THRESHER 55-1-12 UNIT A #8H OWB, AWP V0	ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #709H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #711H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #713H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #714H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #763H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #759H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #710H OWB, PWP1 V0
CONOCO FEDERAL #2, OWB, AWP V0	ZIA HILLS UNIT 1932 WC #764H OWB, PWP1 V0	

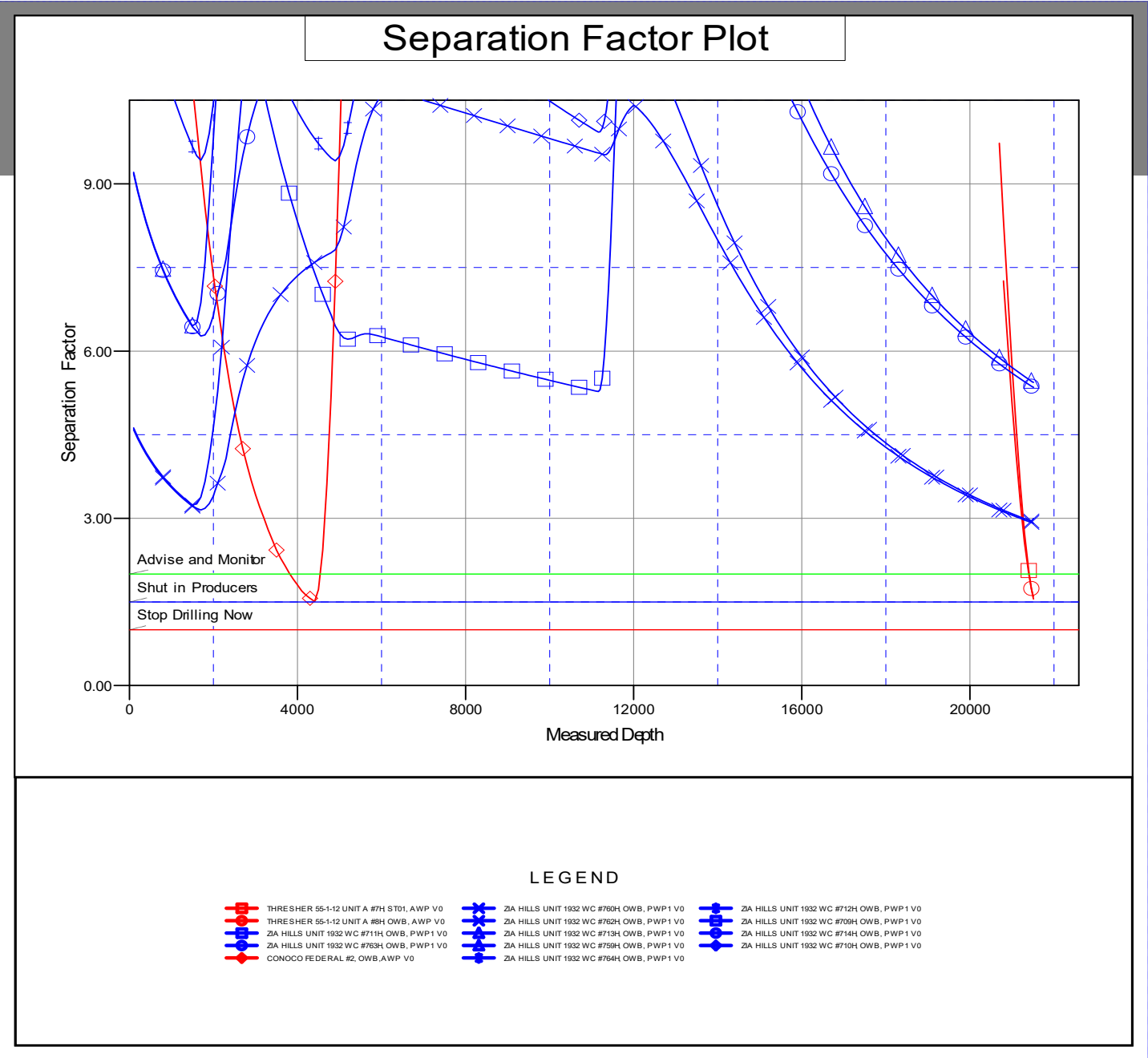
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3198.3usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3198.3usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #761H	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 @ 3198.3usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #761H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.33°



DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 1932 PROJECT

ZIA HILLS UNIT 1932 WC #761H

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 #761H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.3usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.3usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #761H	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 #761H		
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' 37.861 N
		Longitude:	103° 42' 43.330 W
		Ground Level:	3,168.3 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2023	8/1/2024	6.28	59.51	47,172.09792603

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	177.38	

Plan Survey Tool Program	Date	5/9/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp		
2	1,500.0	11,161.8 PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,161.8	21,513.5 PWP1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.3usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.3usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,033.3	8.00	30.00	2,031.6	32.2	18.6	1.50	1.50	0.00	30.00	
2,266.5	8.00	64.00	2,262.7	53.4	41.3	2.00	0.00	14.58	106.84	
4,796.5	8.00	64.00	4,768.0	207.7	357.8	0.00	0.00	0.00	0.00	
5,196.5	0.00	0.00	5,166.7	219.9	382.8	2.00	-2.00	0.00	180.00	
11,161.8	0.00	0.00	11,132.0	219.9	382.8	0.00	0.00	0.00	0.00	
12,061.8	90.00	179.63	11,705.0	-353.0	386.6	10.00	10.00	19.96	179.63	
21,463.5	90.00	179.63	11,705.0	-9,754.5	447.7	0.00	0.00	0.00	0.00	
21,513.5	90.00	179.63	11,705.0	-9,804.5	448.0	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 #761H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.3usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.3usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
1,600.0	1.50	30.00	1,600.0	1.1	0.7	-1.1	1.50	1.50	0.00
1,700.0	3.00	30.00	1,699.9	4.5	2.6	-4.4	1.50	1.50	0.00
1,800.0	4.50	30.00	1,799.7	10.2	5.9	-9.9	1.50	1.50	0.00
1,900.0	6.00	30.00	1,899.3	18.1	10.5	-17.6	1.50	1.50	0.00
2,000.0	7.50	30.00	1,998.6	28.3	16.3	-27.5	1.50	1.50	0.00
2,033.3	8.00	30.00	2,031.6	32.2	18.6	-31.3	1.50	1.50	0.00
Start DLS 2.00 TFO 106.84									
2,100.0	7.72	39.54	2,097.6	39.7	23.8	-38.5	2.00	-0.42	14.32
2,200.0	7.72	54.48	2,196.7	48.7	33.5	-47.2	2.00	0.00	14.93
2,266.5	8.00	64.00	2,262.7	53.4	41.3	-51.4	2.00	0.42	14.32
Start 2530.0 hold at 2266.5 MD									
2,300.0	8.00	64.00	2,295.8	55.4	45.5	-53.3	0.00	0.00	0.00
2,400.0	8.00	64.00	2,394.8	61.5	58.0	-58.8	0.00	0.00	0.00
2,500.0	8.00	64.00	2,493.9	67.6	70.5	-64.3	0.00	0.00	0.00
2,600.0	8.00	64.00	2,592.9	73.7	83.0	-69.9	0.00	0.00	0.00
2,700.0	8.00	64.00	2,691.9	79.8	95.5	-75.4	0.00	0.00	0.00
2,800.0	8.00	64.00	2,790.9	85.9	108.0	-80.9	0.00	0.00	0.00
2,900.0	8.00	64.00	2,890.0	92.0	120.5	-86.4	0.00	0.00	0.00
3,000.0	8.00	64.00	2,989.0	98.1	133.0	-91.9	0.00	0.00	0.00
3,100.0	8.00	64.00	3,088.0	104.2	145.6	-97.5	0.00	0.00	0.00
3,200.0	8.00	64.00	3,187.0	110.3	158.1	-103.0	0.00	0.00	0.00
3,300.0	8.00	64.00	3,286.1	116.4	170.6	-108.5	0.00	0.00	0.00
3,400.0	8.00	64.00	3,385.1	122.5	183.1	-114.0	0.00	0.00	0.00
3,500.0	8.00	64.00	3,484.1	128.6	195.6	-119.6	0.00	0.00	0.00
3,600.0	8.00	64.00	3,583.1	134.7	208.1	-125.1	0.00	0.00	0.00
3,700.0	8.00	64.00	3,682.2	140.8	220.6	-130.6	0.00	0.00	0.00
3,800.0	8.00	64.00	3,781.2	146.9	233.1	-136.1	0.00	0.00	0.00
3,900.0	8.00	64.00	3,880.2	153.0	245.6	-141.7	0.00	0.00	0.00
4,000.0	8.00	64.00	3,979.3	159.1	258.1	-147.2	0.00	0.00	0.00
4,100.0	8.00	64.00	4,078.3	165.2	270.6	-152.7	0.00	0.00	0.00
4,200.0	8.00	64.00	4,177.3	171.3	283.2	-158.2	0.00	0.00	0.00
4,300.0	8.00	64.00	4,276.3	177.4	295.7	-163.8	0.00	0.00	0.00
4,400.0	8.00	64.00	4,375.4	183.5	308.2	-169.3	0.00	0.00	0.00
4,500.0	8.00	64.00	4,474.4	189.6	320.7	-174.8	0.00	0.00	0.00
4,600.0	8.00	64.00	4,573.4	195.7	333.2	-180.3	0.00	0.00	0.00
4,700.0	8.00	64.00	4,672.4	201.8	345.7	-185.8	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.3usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.3usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #761H	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)
4,796.5	8.00	64.00	4,768.0	207.7	357.8	-191.2	0.00	0.00	0.00
Start Drop -2.00									
4,800.0	7.93	64.00	4,771.5	207.9	358.2	-191.4	2.00	-2.00	0.00
4,900.0	5.93	64.00	4,870.7	213.2	369.0	-196.2	2.00	-2.00	0.00
5,000.0	3.93	64.00	4,970.4	217.0	376.8	-199.6	2.00	-2.00	0.00
5,100.0	1.93	64.00	5,070.2	219.2	381.4	-201.6	2.00	-2.00	0.00
5,196.5	0.00	0.00	5,166.7	219.9	382.8	-202.2	2.00	-2.00	0.00
Start 5965.3 hold at 5196.5 MD									
5,200.0	0.00	0.00	5,170.2	219.9	382.8	-202.2	0.00	0.00	0.00
5,300.0	0.00	0.00	5,270.2	219.9	382.8	-202.2	0.00	0.00	0.00
5,400.0	0.00	0.00	5,370.2	219.9	382.8	-202.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,470.2	219.9	382.8	-202.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,570.2	219.9	382.8	-202.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,670.2	219.9	382.8	-202.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,770.2	219.9	382.8	-202.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,870.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,000.0	0.00	0.00	5,970.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,100.0	0.00	0.00	6,070.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,200.0	0.00	0.00	6,170.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,300.0	0.00	0.00	6,270.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,370.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,500.0	0.00	0.00	6,470.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,570.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,700.0	0.00	0.00	6,670.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,800.0	0.00	0.00	6,770.2	219.9	382.8	-202.2	0.00	0.00	0.00
6,900.0	0.00	0.00	6,870.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,000.0	0.00	0.00	6,970.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,100.0	0.00	0.00	7,070.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,200.0	0.00	0.00	7,170.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,300.0	0.00	0.00	7,270.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,400.0	0.00	0.00	7,370.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,500.0	0.00	0.00	7,470.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,600.0	0.00	0.00	7,570.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,700.0	0.00	0.00	7,670.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,770.2	219.9	382.8	-202.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,870.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,000.0	0.00	0.00	7,970.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,100.0	0.00	0.00	8,070.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,200.0	0.00	0.00	8,170.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,300.0	0.00	0.00	8,270.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,370.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,470.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,570.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,670.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,800.0	0.00	0.00	8,770.2	219.9	382.8	-202.2	0.00	0.00	0.00
8,900.0	0.00	0.00	8,870.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,970.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,100.0	0.00	0.00	9,070.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,170.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,300.0	0.00	0.00	9,270.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,400.0	0.00	0.00	9,370.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,500.0	0.00	0.00	9,470.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,600.0	0.00	0.00	9,570.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,670.2	219.9	382.8	-202.2	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.3usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.3usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,800.0	0.00	0.00	9,770.2	219.9	382.8	-202.2	0.00	0.00	0.00
9,900.0	0.00	0.00	9,870.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,000.0	0.00	0.00	9,970.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,100.0	0.00	0.00	10,070.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,200.0	0.00	0.00	10,170.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,300.0	0.00	0.00	10,270.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,400.0	0.00	0.00	10,370.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,500.0	0.00	0.00	10,470.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,600.0	0.00	0.00	10,570.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,700.0	0.00	0.00	10,670.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,800.0	0.00	0.00	10,770.2	219.9	382.8	-202.2	0.00	0.00	0.00
10,900.0	0.00	0.00	10,870.2	219.9	382.8	-202.2	0.00	0.00	0.00
11,000.0	0.00	0.00	10,970.2	219.9	382.8	-202.2	0.00	0.00	0.00
11,100.0	0.00	0.00	11,070.2	219.9	382.8	-202.2	0.00	0.00	0.00
11,161.8	0.00	0.00	11,132.0	219.9	382.8	-202.2	0.00	0.00	0.00
Start DLS 10.00 TFO 179.63									
11,200.0	3.82	179.63	11,170.2	218.7	382.8	-201.0	10.00	10.00	0.00
11,250.0	8.82	179.63	11,219.9	213.2	382.9	-195.5	10.00	10.00	0.00
11,300.0	13.82	179.63	11,268.9	203.4	382.9	-185.7	10.00	10.00	0.00
11,350.0	18.82	179.63	11,316.8	189.3	383.0	-171.6	10.00	10.00	0.00
11,400.0	23.82	179.63	11,363.4	171.2	383.1	-153.5	10.00	10.00	0.00
11,450.0	28.82	179.63	11,408.2	149.0	383.3	-131.3	10.00	10.00	0.00
11,500.0	33.82	179.63	11,450.9	123.0	383.5	-105.4	10.00	10.00	0.00
11,550.0	38.82	179.63	11,491.2	93.4	383.6	-75.8	10.00	10.00	0.00
11,600.0	43.82	179.63	11,528.7	60.4	383.9	-42.8	10.00	10.00	0.00
11,650.0	48.82	179.63	11,563.3	24.3	384.1	-6.7	10.00	10.00	0.00
11,700.0	53.82	179.63	11,594.5	-14.7	384.4	32.3	10.00	10.00	0.00
11,750.0	58.82	179.63	11,622.2	-56.3	384.6	73.8	10.00	10.00	0.00
11,800.0	63.82	179.63	11,646.2	-100.2	384.9	117.7	10.00	10.00	0.00
11,850.0	68.82	179.63	11,666.3	-146.0	385.2	163.4	10.00	10.00	0.00
11,900.0	73.82	179.63	11,682.3	-193.3	385.5	210.7	10.00	10.00	0.00
11,950.0	78.82	179.63	11,694.1	-241.9	385.8	259.2	10.00	10.00	0.00
12,000.0	83.82	179.63	11,701.7	-291.3	386.2	308.6	10.00	10.00	0.00
12,050.0	88.82	179.63	11,704.9	-341.2	386.5	358.5	10.00	10.00	0.00
12,061.8	90.00	179.63	11,705.0	-353.0	386.6	370.3	10.00	10.00	0.00
Start 9401.7 hold at 12061.8 MD									
12,100.0	90.00	179.63	11,705.0	-391.2	386.8	408.4	0.00	0.00	0.00
12,200.0	90.00	179.63	11,705.0	-491.2	387.5	508.3	0.00	0.00	0.00
12,300.0	90.00	179.63	11,705.0	-591.2	388.1	608.3	0.00	0.00	0.00
12,400.0	90.00	179.63	11,705.0	-691.2	388.8	708.2	0.00	0.00	0.00
12,500.0	90.00	179.63	11,705.0	-791.2	389.4	808.1	0.00	0.00	0.00
12,600.0	90.00	179.63	11,705.0	-891.2	390.1	908.0	0.00	0.00	0.00
12,700.0	90.00	179.63	11,705.0	-991.2	390.7	1,008.0	0.00	0.00	0.00
12,800.0	90.00	179.63	11,705.0	-1,091.1	391.4	1,107.9	0.00	0.00	0.00
12,900.0	90.00	179.63	11,705.0	-1,191.1	392.0	1,207.8	0.00	0.00	0.00
13,000.0	90.00	179.63	11,705.0	-1,291.1	392.7	1,307.7	0.00	0.00	0.00
13,100.0	90.00	179.63	11,705.0	-1,391.1	393.3	1,407.6	0.00	0.00	0.00
13,200.0	90.00	179.63	11,705.0	-1,491.1	394.0	1,507.6	0.00	0.00	0.00
13,300.0	90.00	179.63	11,705.0	-1,591.1	394.6	1,607.5	0.00	0.00	0.00
13,400.0	90.00	179.63	11,705.0	-1,691.1	395.3	1,707.4	0.00	0.00	0.00
13,500.0	90.00	179.63	11,705.0	-1,791.1	395.9	1,807.3	0.00	0.00	0.00
13,600.0	90.00	179.63	11,705.0	-1,891.1	396.6	1,907.3	0.00	0.00	0.00
13,700.0	90.00	179.63	11,705.0	-1,991.1	397.2	2,007.2	0.00	0.00	0.00
13,800.0	90.00	179.63	11,705.0	-2,091.1	397.9	2,107.1	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.3usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.3usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,900.0	90.00	179.63	11,705.0	-2,191.1	398.5	2,207.0	0.00	0.00	0.00
14,000.0	90.00	179.63	11,705.0	-2,291.1	399.2	2,307.0	0.00	0.00	0.00
14,100.0	90.00	179.63	11,705.0	-2,391.1	399.8	2,406.9	0.00	0.00	0.00
14,200.0	90.00	179.63	11,705.0	-2,491.1	400.5	2,506.8	0.00	0.00	0.00
14,300.0	90.00	179.63	11,705.0	-2,591.1	401.1	2,606.7	0.00	0.00	0.00
14,400.0	90.00	179.63	11,705.0	-2,691.1	401.8	2,706.6	0.00	0.00	0.00
14,500.0	90.00	179.63	11,705.0	-2,791.1	402.4	2,806.6	0.00	0.00	0.00
14,600.0	90.00	179.63	11,705.0	-2,891.1	403.1	2,906.5	0.00	0.00	0.00
14,700.0	90.00	179.63	11,705.0	-2,991.1	403.7	3,006.4	0.00	0.00	0.00
14,800.0	90.00	179.63	11,705.0	-3,091.1	404.4	3,106.3	0.00	0.00	0.00
14,900.0	90.00	179.63	11,705.0	-3,191.1	405.0	3,206.3	0.00	0.00	0.00
15,000.0	90.00	179.63	11,705.0	-3,291.1	405.7	3,306.2	0.00	0.00	0.00
15,100.0	90.00	179.63	11,705.0	-3,391.1	406.3	3,406.1	0.00	0.00	0.00
15,200.0	90.00	179.63	11,705.0	-3,491.1	407.0	3,506.0	0.00	0.00	0.00
15,300.0	90.00	179.63	11,705.0	-3,591.1	407.6	3,606.0	0.00	0.00	0.00
15,400.0	90.00	179.63	11,705.0	-3,691.1	408.3	3,705.9	0.00	0.00	0.00
15,500.0	90.00	179.63	11,705.0	-3,791.1	408.9	3,805.8	0.00	0.00	0.00
15,600.0	90.00	179.63	11,705.0	-3,891.1	409.6	3,905.7	0.00	0.00	0.00
15,700.0	90.00	179.63	11,705.0	-3,991.1	410.2	4,005.7	0.00	0.00	0.00
15,800.0	90.00	179.63	11,705.0	-4,091.1	410.9	4,105.6	0.00	0.00	0.00
15,900.0	90.00	179.63	11,705.0	-4,191.1	411.5	4,205.5	0.00	0.00	0.00
16,000.0	90.00	179.63	11,705.0	-4,291.1	412.2	4,305.4	0.00	0.00	0.00
16,100.0	90.00	179.63	11,705.0	-4,391.1	412.8	4,405.3	0.00	0.00	0.00
16,200.0	90.00	179.63	11,705.0	-4,491.1	413.5	4,505.3	0.00	0.00	0.00
16,300.0	90.00	179.63	11,705.0	-4,591.1	414.1	4,605.2	0.00	0.00	0.00
16,400.0	90.00	179.63	11,705.0	-4,691.1	414.8	4,705.1	0.00	0.00	0.00
16,500.0	90.00	179.63	11,705.0	-4,791.1	415.4	4,805.0	0.00	0.00	0.00
16,600.0	90.00	179.63	11,705.0	-4,891.1	416.1	4,905.0	0.00	0.00	0.00
16,700.0	90.00	179.63	11,705.0	-4,991.1	416.7	5,004.9	0.00	0.00	0.00
16,800.0	90.00	179.63	11,705.0	-5,091.1	417.4	5,104.8	0.00	0.00	0.00
16,900.0	90.00	179.63	11,705.0	-5,191.1	418.0	5,204.7	0.00	0.00	0.00
17,000.0	90.00	179.63	11,705.0	-5,291.1	418.7	5,304.7	0.00	0.00	0.00
17,100.0	90.00	179.63	11,705.0	-5,391.1	419.3	5,404.6	0.00	0.00	0.00
17,200.0	90.00	179.63	11,705.0	-5,491.1	420.0	5,504.5	0.00	0.00	0.00
17,300.0	90.00	179.63	11,705.0	-5,591.1	420.6	5,604.4	0.00	0.00	0.00
17,400.0	90.00	179.63	11,705.0	-5,691.1	421.3	5,704.4	0.00	0.00	0.00
17,500.0	90.00	179.63	11,705.0	-5,791.1	421.9	5,804.3	0.00	0.00	0.00
17,600.0	90.00	179.63	11,705.0	-5,891.0	422.6	5,904.2	0.00	0.00	0.00
17,700.0	90.00	179.63	11,705.0	-5,991.0	423.2	6,004.1	0.00	0.00	0.00
17,800.0	90.00	179.63	11,705.0	-6,091.0	423.9	6,104.0	0.00	0.00	0.00
17,900.0	90.00	179.63	11,705.0	-6,191.0	424.5	6,204.0	0.00	0.00	0.00
18,000.0	90.00	179.63	11,705.0	-6,291.0	425.2	6,303.9	0.00	0.00	0.00
18,100.0	90.00	179.63	11,705.0	-6,391.0	425.8	6,403.8	0.00	0.00	0.00
18,200.0	90.00	179.63	11,705.0	-6,491.0	426.5	6,503.7	0.00	0.00	0.00
18,300.0	90.00	179.63	11,705.0	-6,591.0	427.1	6,603.7	0.00	0.00	0.00
18,400.0	90.00	179.63	11,705.0	-6,691.0	427.8	6,703.6	0.00	0.00	0.00
18,500.0	90.00	179.63	11,705.0	-6,791.0	428.4	6,803.5	0.00	0.00	0.00
18,600.0	90.00	179.63	11,705.0	-6,891.0	429.1	6,903.4	0.00	0.00	0.00
18,700.0	90.00	179.63	11,705.0	-6,991.0	429.7	7,003.4	0.00	0.00	0.00
18,800.0	90.00	179.63	11,705.0	-7,091.0	430.4	7,103.3	0.00	0.00	0.00
18,900.0	90.00	179.63	11,705.0	-7,191.0	431.0	7,203.2	0.00	0.00	0.00
19,000.0	90.00	179.63	11,705.0	-7,291.0	431.7	7,303.1	0.00	0.00	0.00
19,100.0	90.00	179.63	11,705.0	-7,391.0	432.3	7,403.0	0.00	0.00	0.00
19,200.0	90.00	179.63	11,705.0	-7,491.0	433.0	7,503.0	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.3usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.3usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,300.0	90.00	179.63	11,705.0	-7,591.0	433.6	7,602.9	0.00	0.00	0.00	
19,400.0	90.00	179.63	11,705.0	-7,691.0	434.3	7,702.8	0.00	0.00	0.00	
19,500.0	90.00	179.63	11,705.0	-7,791.0	434.9	7,802.7	0.00	0.00	0.00	
19,600.0	90.00	179.63	11,705.0	-7,891.0	435.6	7,902.7	0.00	0.00	0.00	
19,700.0	90.00	179.63	11,705.0	-7,991.0	436.2	8,002.6	0.00	0.00	0.00	
19,800.0	90.00	179.63	11,705.0	-8,091.0	436.9	8,102.5	0.00	0.00	0.00	
19,900.0	90.00	179.63	11,705.0	-8,191.0	437.5	8,202.4	0.00	0.00	0.00	
20,000.0	90.00	179.63	11,705.0	-8,291.0	438.2	8,302.4	0.00	0.00	0.00	
20,100.0	90.00	179.63	11,705.0	-8,391.0	438.8	8,402.3	0.00	0.00	0.00	
20,200.0	90.00	179.63	11,705.0	-8,491.0	439.5	8,502.2	0.00	0.00	0.00	
20,300.0	90.00	179.63	11,705.0	-8,591.0	440.1	8,602.1	0.00	0.00	0.00	
20,400.0	90.00	179.63	11,705.0	-8,691.0	440.8	8,702.1	0.00	0.00	0.00	
20,500.0	90.00	179.63	11,705.0	-8,791.0	441.5	8,802.0	0.00	0.00	0.00	
20,600.0	90.00	179.63	11,705.0	-8,891.0	442.1	8,901.9	0.00	0.00	0.00	
20,700.0	90.00	179.63	11,705.0	-8,991.0	442.8	9,001.8	0.00	0.00	0.00	
20,800.0	90.00	179.63	11,705.0	-9,091.0	443.4	9,101.7	0.00	0.00	0.00	
20,900.0	90.00	179.63	11,705.0	-9,191.0	444.1	9,201.7	0.00	0.00	0.00	
21,000.0	90.00	179.63	11,705.0	-9,291.0	444.7	9,301.6	0.00	0.00	0.00	
21,100.0	90.00	179.63	11,705.0	-9,391.0	445.4	9,401.5	0.00	0.00	0.00	
21,200.0	90.00	179.63	11,705.0	-9,491.0	446.0	9,501.4	0.00	0.00	0.00	
21,300.0	90.00	179.63	11,705.0	-9,591.0	446.7	9,601.4	0.00	0.00	0.00	
21,400.0	90.00	179.63	11,705.0	-9,691.0	447.3	9,701.3	0.00	0.00	0.00	
21,463.5	90.00	179.63	11,705.0	-9,754.5	447.7	9,764.8	0.00	0.00	0.00	
Start 50.0 hold at 21463.5 MD										
21,500.0	90.00	179.63	11,705.0	-9,791.0	448.0	9,801.2	0.00	0.00	0.00	
21,513.5	90.00	179.63	11,705.0	-9,804.5	448.0	9,814.7	0.00	0.00	0.00	
TD at 21513.5										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
LTP (ZHU 1932 WC #76 - hit/miss target - Shape - Point	0.00	0.00	11,705.0	-9,754.5	447.7	364,414.71	692,991.40	32° 0' 1.303 N	103° 42' 38.782 W	
PBHL (ZHU 1932 WC #76 - plan hits target center - Rectangle (sides W100.0 H10,087.4 D20.0)	0.00	179.63	11,705.0	-9,804.5	448.0	364,364.71	692,991.69	32° 0' 0.809 N	103° 42' 38.782 W	
FTP (ZHU 1932 WC #76 - plan misses target center by 283.0usft at 11585.5usft MD (11518.2 TVD, 70.3 N, 383.8 E) - Circle (radius 50.0)	0.00	0.00	11,705.0	282.8	382.5	374,452.07	692,926.16	32° 1' 40.638 N	103° 42' 38.868 W	

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #761H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3198.3usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3198.3usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #761H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	Start Build 1.50
2,033.3	2,031.6	32.2	18.6	Start DLS 2.00 TFO 106.84
2,266.5	2,262.7	53.4	41.3	Start 2530.0 hold at 2266.5 MD
4,796.5	4,768.0	207.7	357.8	Start Drop -2.00
5,196.5	5,166.7	219.9	382.8	Start 5965.3 hold at 5196.5 MD
11,161.8	11,132.0	219.9	382.8	Start DLS 10.00 TFO 179.63
12,061.8	11,705.0	-353.0	386.6	Start 9401.7 hold at 12061.8 MD
21,463.5	11,705.0	-9,754.5	447.7	Start 50.0 hold at 21463.5 MD
21,513.5	11,705.0	-9,804.5	448.0	TD at 21513.5



Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS UNIT 1932 PROJECT
Well: ZIA HILLS UNIT 1932 WC #761H
Wellbore: OWB
Design: PWP1
GL: 3168.3
RKB=30ft @ 3198.3usft

WELL DETAILS: ZIA HILLS UNIT 1932 WC #761H

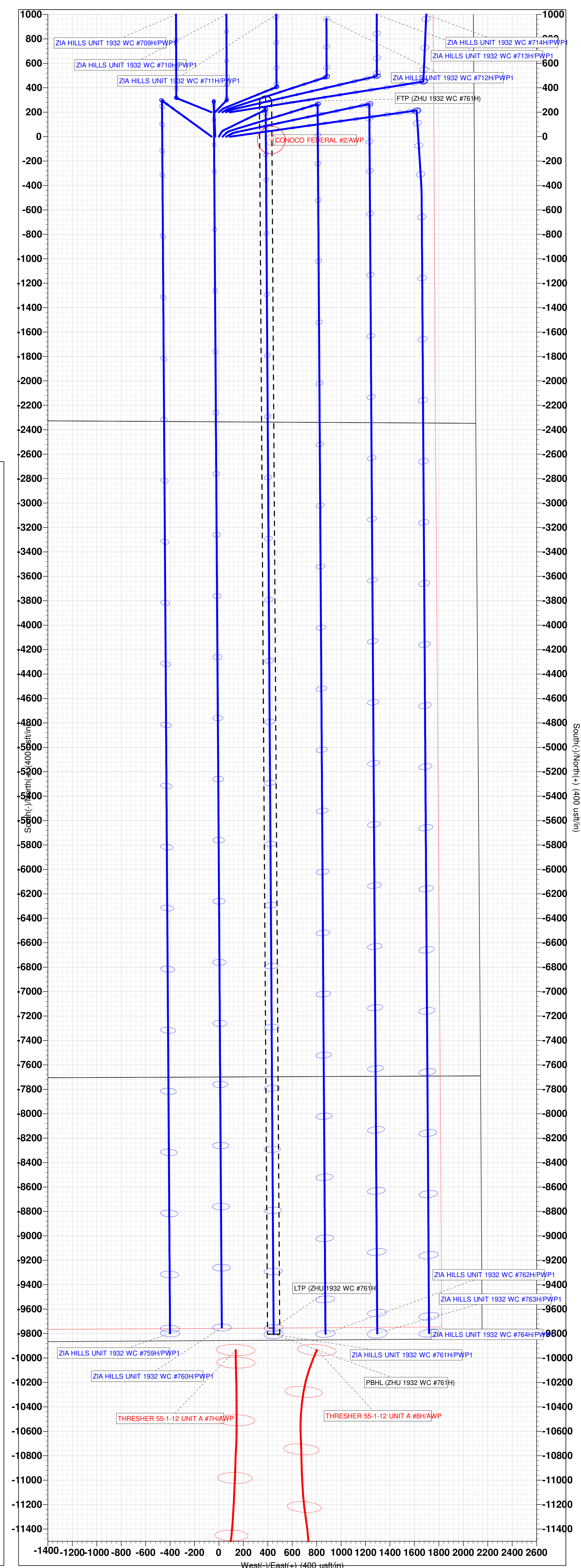
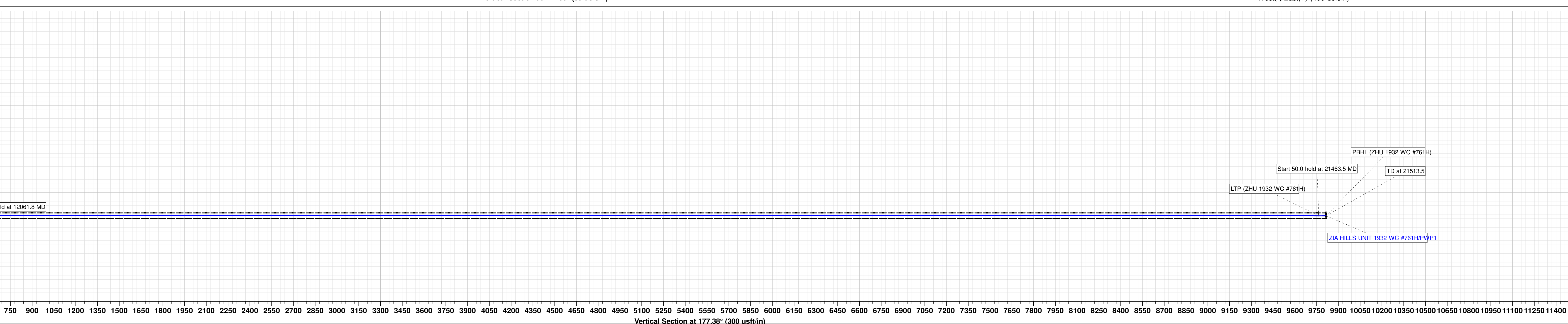
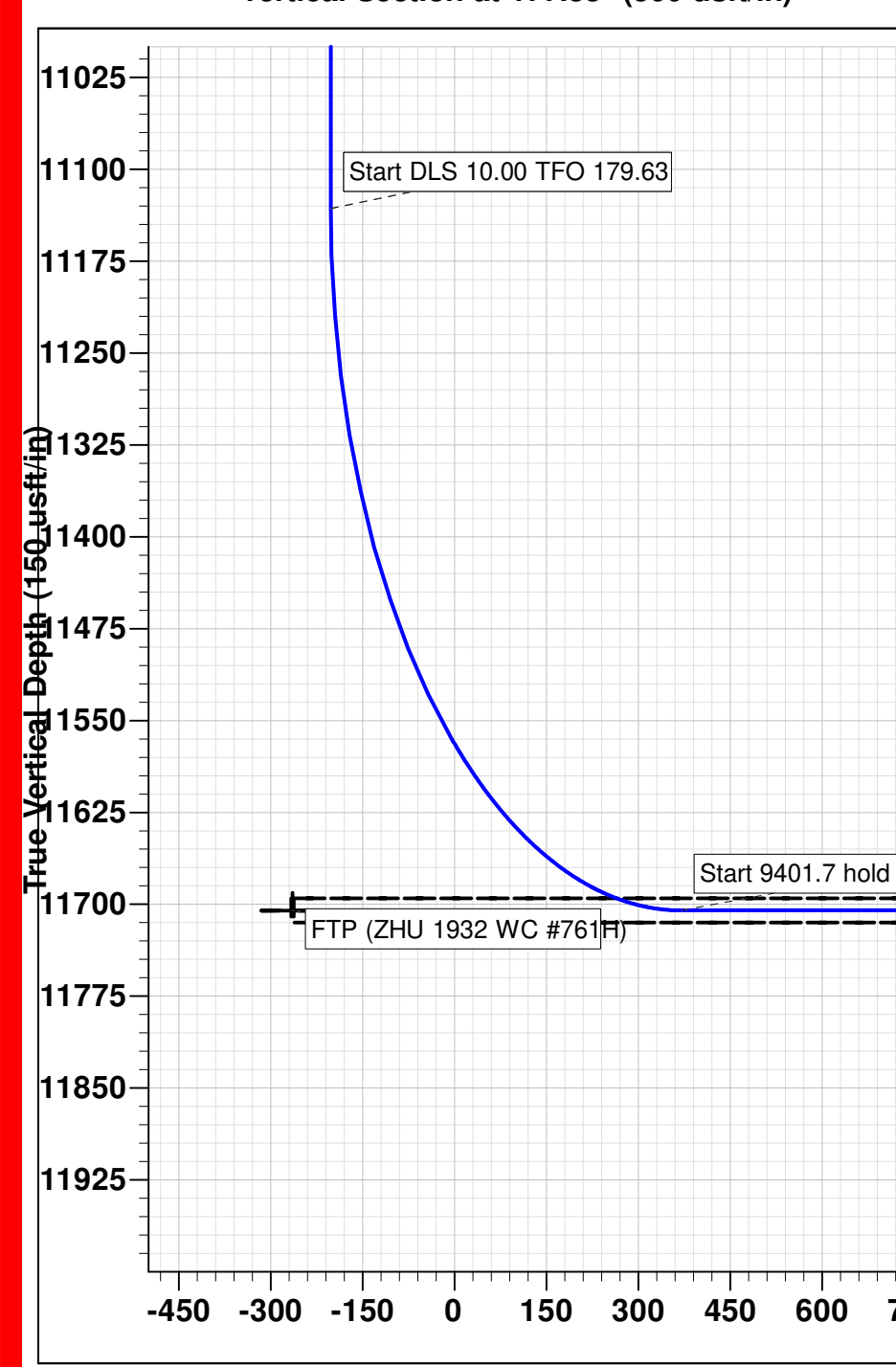
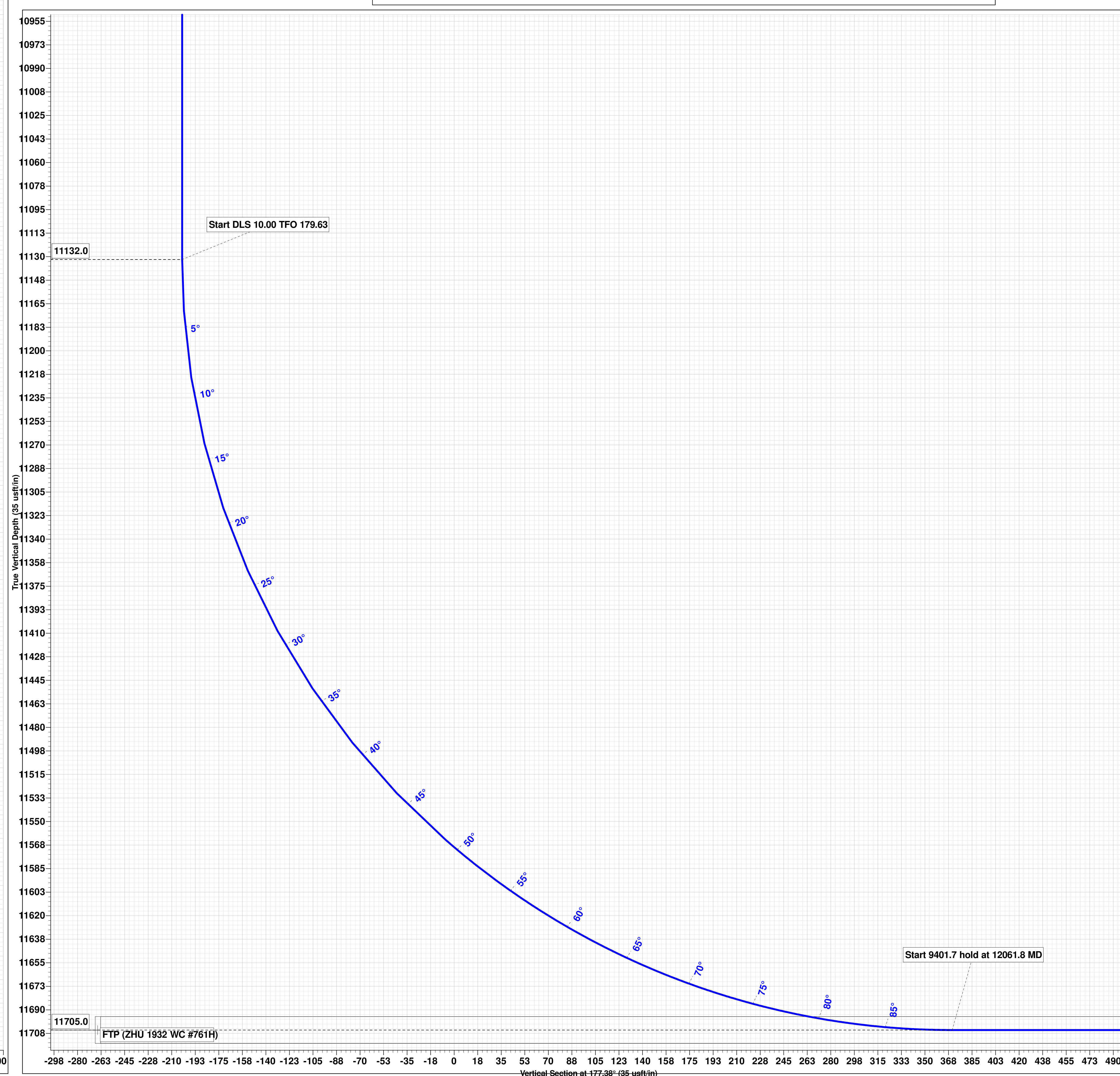
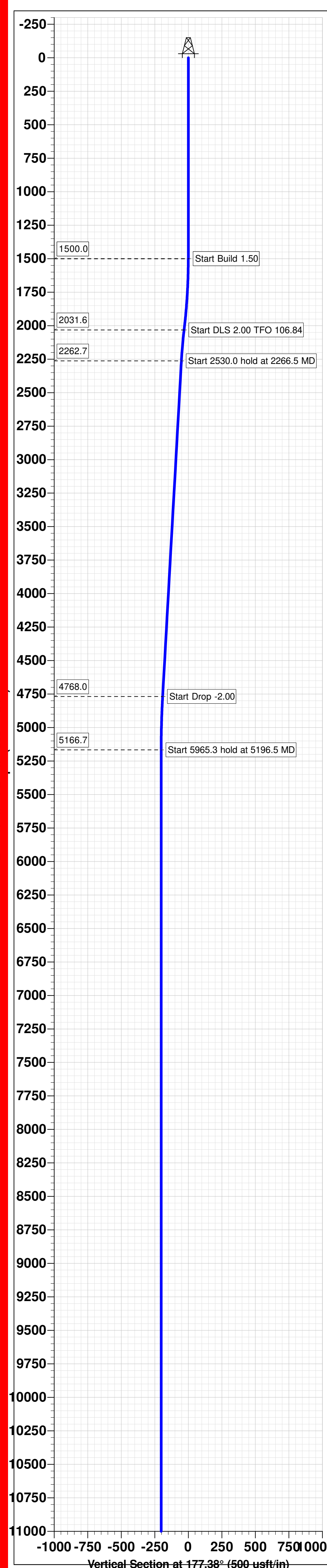
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	374169.22	692543.68	32° 1' 37.861 N	103° 42' 43.330 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (ZHU 1932 WC #761H)	11705.0	282.9	382.5	374452.07	692926.16
LTP (ZHU 1932 WC #761H)	11705.0	-9754.5	447.7	364441.71	692991.40
PBHL (ZHU 1932 WC #761H)	11705.0	-9804.5	448.0	364364.71	692991.69

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1500.0	0.0	0.0	1500.0	0.0	0.0	0.0	0.0	0.0
2033.3	8.00	30.00	2031.6	32.2	18.6	1.50	30.00	-31.3
2266.5	8.00	64.00	2262.7	53.4	4.1	2.00	106.84	-51.4
4796.5	8.00	64.00	4768.0	207.7	357.8	0.00	0.00	-191.2
5196.5	0.00	0.00	5166.7	219.9	382.8	2.00	180.00	-202.2
11161.8	0.00	0.00	11160.0	219.9	382.8	0.00	0.00	-202.2
12061.8	90.00	179.63	11705.0	-353.0	386.6	10.00	179.63	370.3
21463.5	90.00	179.63	11705.0	-9754.5	447.7	0.00	0.00	9764.8
21513.5	90.00	179.63	11705.0	-9804.5	448.0	0.00	0.00	9814.7



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

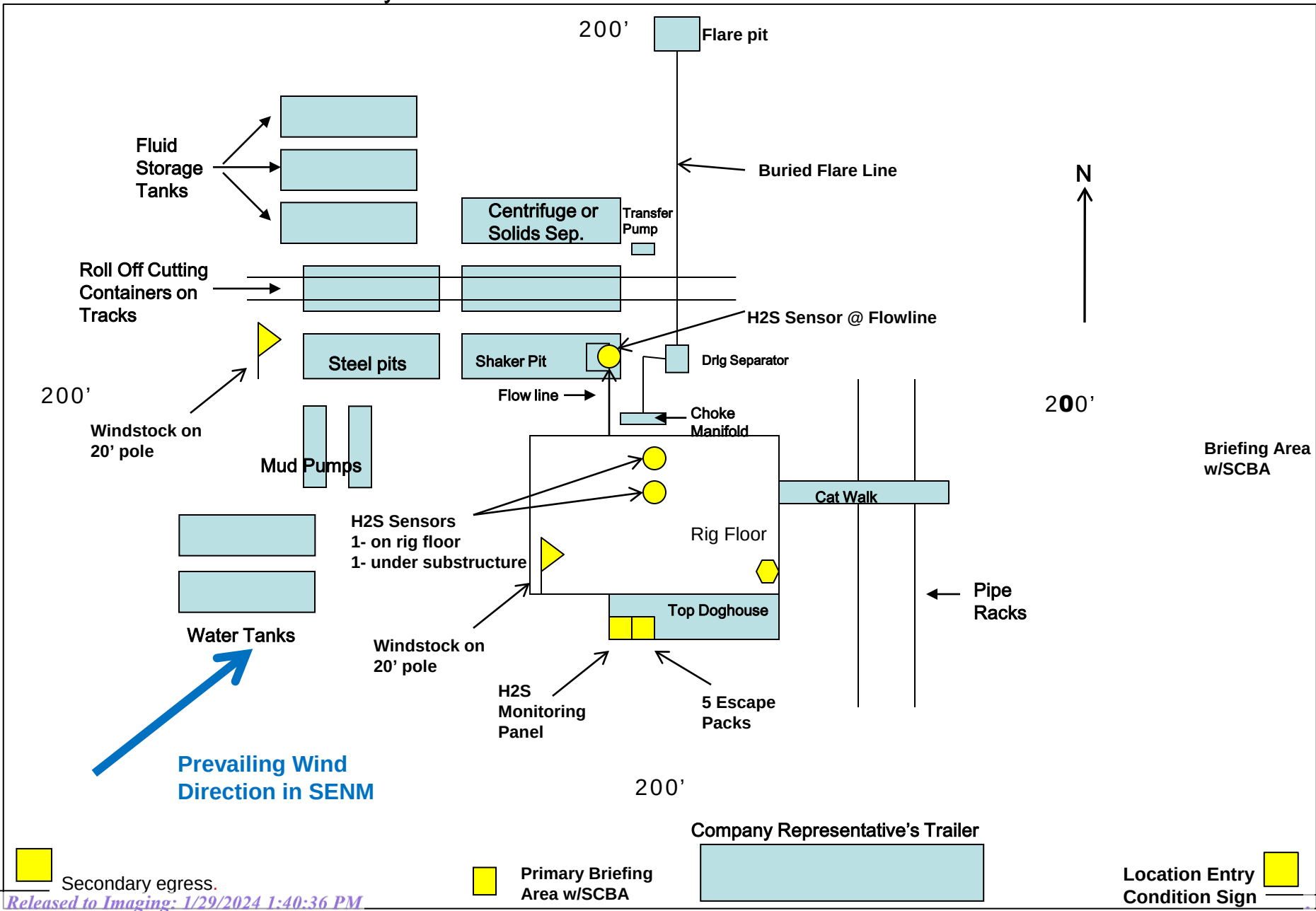
All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location 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 306342

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 306342
	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