

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. 30-025-52476
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 / 2535 FSL / 2000 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0278558 / LONG: -103.7122168 (TVD: 0 feet, MD: 0 feet)
PPP: SENE / 2662 FSL / 386 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0281546 / LONG: -103.7070094 (TVD: 11659 feet, MD: 11932 feet)
PPP: NESE / 2620 FSL / 387 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0280385 / LONG: -103.7070119 (TVD: 11659 feet, MD: 11889 feet)
PPP: SESE / 1 FSL / 330 FEL / TWSP: 26S / RANGE: 32E / SECTION: 18 / LAT: 32.0355178 / LONG: -103.7068532 (TVD: 11879 feet, MD: 14572 feet)
BHL: NESE / 2620 FSL / 330 FEL / TWSP: 26S / RANGE: 32E / SECTION: 7 / LAT: 32.0574173 / LONG: -103.7068938 (TVD: 11879 feet, MD: 22348 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- 30-025-52476	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 714H
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 3,167'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	26-S	32-E		2,535'	SOUTH	2,000'	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	7	26-S	32-E		2,620'	SOUTH	330'	EAST	LEA

¹² Dedicated Acres 720	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.

	CORNER COORDINATES NEW MEXICO EAST - NAD 83 A-CALCULATED CORNER N:387,877.60' E:730,384.64' B-FOUND IRON PIPE W/ BRASS CAP N:387,891.28' E:733,059.15' C-FOUND IRON PIPE W/ BRASS CAP N:387,916.23' E:735,723.72' D-FOUND BENT IRON PIPE W/ BRASS CAP N:385,243.70' E:735,736.29' E-FOUND IRON PIPE W/ BRASS CAP N:382,570.93' E:735,744.95' F-CALCULATED CORNER N:382,558.04' E:733,076.87' G-FOUND IRON PIPE W/ BRASS CAP N:382,545.16' E:730,408.79' H-FOUND BENT IRON PIPE W/ BRASS CAP N:385,211.90' E:730,393.18' I-FOUND IRON PIPE W/ BRASS CAP N:379,892.50' E:735,778.31' J-FOUND IRON PIPE W/ BRASS CAP N:377,224.61' E:735,795.66' K-FOUND 1" IRON PIPE N:377,211.54' E:733,134.18' L-FOUND 2" IRON PIPE N:377,203.52' E:730,441.03' M-FOUND 1" IRON PIPE N:379,872.18' E:730,424.72' N-FOUND IRON PIPE W/ BRASS CAP N:374,544.72' E:735,819.04' O-FOUND IRON PIPE W/ BRASS CAP N:371,879.35' E:735,833.03' P-FOUND IRON PIPE W/ BRASS CAP N:371,894.62' E:733,169.03' Q-FOUND 2" IRON PIPE W/ CAP N:371,909.34' E:730,466.74' R-FOUND 1" IRON PIPE N:374,533.91' E:730,464.25'	SURFACE HOLE LOCATION 2,535' FSL & 2,000' FEL NEW MEXICO EAST-NAD 83 NORTH:374,425.92' EAST:733,819.64' LAT:32.02785582 LONG:-103.71221682 FIRST TAKE POINT / PENETRATION POINT 1 2,620' FSL & 387' FEL NEW MEXICO EAST-NAD 83 NORTH:374,501.69' EAST:735,432.26' LAT:32.02803850 LONG:-103.70701191 PENETRATION POINT 2 2,662' FSL & 386' FEL NEW MEXICO EAST-NAD 83 NORTH:374,543.94' EAST:735,432.78' LAT:32.02815464 LONG:-103.70700945 PENETRATION POINT 3 1' FSL & 330' FEL NEW MEXICO EAST-NAD 83 NORTH:377,222.79' EAST:735,465.67' LAT:32.03551780 LONG:-103.70685321 LAST TAKE POINT 2,570' FSL & 330' FEL NEW MEXICO EAST-NAD 83 NORTH:385,139.33' EAST:735,407.19' LAT:32.05727987 LONG:-103.70689370 BOTTOM HOLE LOCATION 2,620' FSL & 330' FEL NEW MEXICO EAST-NAD 83 NORTH:385,189.33' EAST:735,406.86' LAT:32.05741731 LONG:-103.70689385	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature Date Stan Wagner Printed Name Date Email Address Date	18 SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date: 6/5/23 MARK J. MURRAY P.L.S. NO. 12177
--	---	--	--	---

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit Electronically
Via E-permitting

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: ConocoPhillips Company

OGRID: 217817

Date: 06/05/2023

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Zia Hills Unit 1932 WC 709H	30-025-	J-19-26S-32E	2535 FSL & 2150 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 710H	30-025-	J-19-26S-32E	2535 FSL & 2120 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 711H	30-025-	J-19-26S-32E	2535 FSL & 2090 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 712H	30-025-	J-19-26S-32E	2535 FSL & 2060 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 713H	30-025-	J-19-26S-32E	2535 FSL & 2030 FEL	± 818	± 3209	± 1907
Zia Hills Unit 1932 WC 714H	30-025-	J-19-26S-32E	2535 FSL & 2000 FEL	± 818	± 3209	± 1907

IV. Central Delivery Point Name: Zia Hills Unit CF2 Facility NESW 24-26S-31E [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Zia Hills Unit 1932 WC	Pending	± 8/1/2024	± 25 days from spud	TBD	TBD	TBD
709H, 710H, 711H, 712H, 713H, 714H						

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

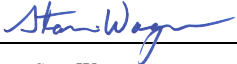
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

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

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

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

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

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

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

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

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

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

C. Completion Operations

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

D. Venting and flaring during production operations

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

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

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

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

F. Measurement of vented and flared natural gas.

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

VIII. Best Management Practices

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 714H

1. Geologic Formations

TVD of target	11,879' EOL	Pilot hole depth	NA
MD at TD:	22,349'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1226	Water	
Top of Salt	1543	Salt	
Base of Salt	4009	Salt	
Lamar	4277	Salt Water	
Bell Canyon	4312	Salt Water	
Cherry Canyon	5202	Oil/Gas	
Brushy Canyon	6628	Oil/Gas	
Bone Spring Lime	8272	Oil/Gas	
1st Bone Spring Sand	9284	Oil/Gas	
2nd Bone Spring Sand	9967	Oil/Gas	
3rd Bone Spring Sand	11144	Oil/Gas	
Wolfcamp	11510	Oil/Gas	
Wolfcamp A	11724	Target	
Wolfcamp B	12013	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.02	11.64	12.96
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.35	1.02	2.88	2.90
8.750"	8500	11409	7.625"	29.7	P110-ICY	W513	1.25	1.55	3.15	1.89
6.75"	0	11209	5.5"	23	P110-CY	BTC	1.85	2.15	2.83	2.83
6.75"	11209	22,349	5.5"	23	P110-CY	W441	1.74	2.03	2.67	2.42
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

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

ConocoPhillips Company - Zia Hills Unit 1932 WC 714H

	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 714H**3. Cementing Program**

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	820	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	703	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	937	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	10,909'	35% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 1932 WC 714H

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 714H

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 714H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8340 psi at 11879' TVD
Abnormal Temperature	NO 175 Deg. F.

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

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

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

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

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

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

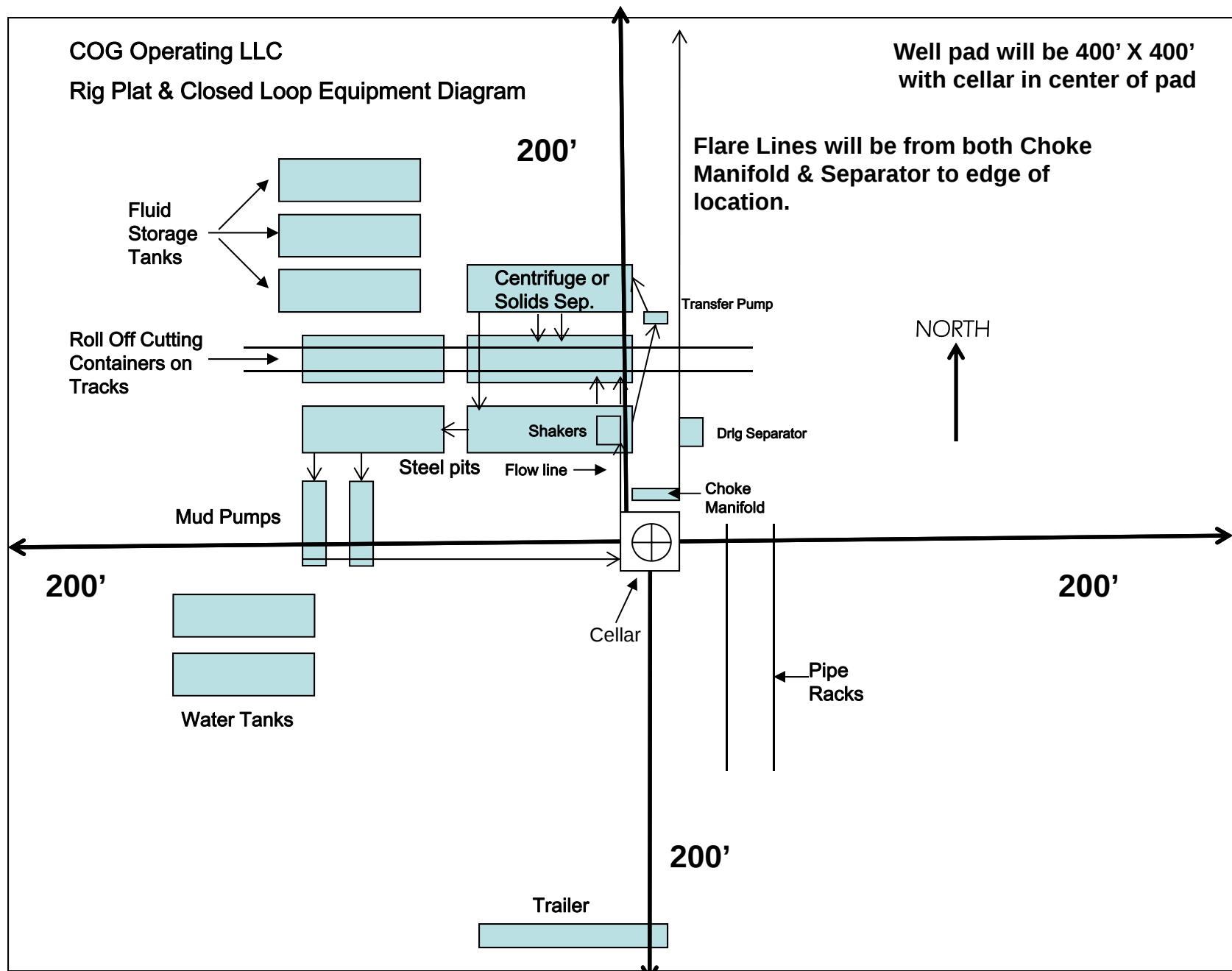


Exhibit 1

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 1932 PROJECT

ZIA HILLS UNIT 1932 WC #714H

OWB

PWP1

Anticollision Report

09 May, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	5/9/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	1,500.0	PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initilzd Cont. rev.5	
1,500.0	11,508.6	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
11,508.6	22,348.5	PWP1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5	

Summary						
Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation Factor	Warning
	Measured Depth (usft)	Measured Depth (usft)	Between Centres (usft)	Between Ellipses (usft)		
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	2,515.4	2,465.6	275.2	200.8	3.701	CC
CONOCO FEDERAL #2 - OWB - AWP	2,600.0	2,545.8	276.3	198.9	3.572	ES
CONOCO FEDERAL #2 - OWB - AWP	3,100.0	3,029.9	312.7	217.0	3.267	SF
PADUCA 7 6 W1HA FEDERAL #2H - OWB - AWP	22,348.5	11,879.0	207.2	113.2	2.205	CC, ES, SF
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,000.0	1,000.3	150.0	141.6	17.807	CC, ES
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	1,100.0	1,100.3	151.7	143.0	17.391	SF
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	1,000.0	1,000.0	120.0	111.6	14.249	CC, ES
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	1,100.0	1,100.0	121.7	113.0	13.956	SF
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	1,000.0	1,000.1	90.1	81.6	10.692	CC, ES
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	1,100.0	1,100.1	91.8	83.1	10.522	SF
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	1,000.0	999.9	60.1	51.6	7.130	CC, ES
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	22,348.5	22,192.9	824.0	652.5	4.805	SF
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	1,000.0	1,000.0	30.0	21.5	3.558	CC, ES
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	22,348.5	22,072.2	447.6	276.7	2.618	SF
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,000.0	1,002.8	248.7	240.1	28.888	CC, ES
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	1,300.0	1,302.3	260.2	250.8	27.609	SF
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	1,000.0	1,001.9	232.2	223.5	26.887	CC, ES
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	1,300.0	1,301.4	242.5	233.1	25.740	SF
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	1,000.0	1,001.7	218.4	209.8	25.215	CC, ES
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	4,900.0	4,882.8	640.2	605.3	18.380	SF
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	1,000.0	1,002.0	208.2	199.5	23.969	CC, ES
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	5,500.0	5,514.9	439.7	397.4	10.407	SF
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	1,000.0	1,003.6	202.0	193.3	23.199	CC, ES
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	6,700.0	6,721.6	320.7	267.4	6.017	SF
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	1,000.0	1,002.7	200.1	191.4	22.969	CC, ES
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	11,508.6	11,499.0	242.6	195.0	5.092	SF
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	19,679.4	19,481.3	371.3	236.8	2.761	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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 1932 PROJECT						
CONOCO FEDERAL #2 - OWB - AWP	22,348.5	4,368.0				Out of Range @TD
PADUCA 7 6 W1HA FEDERAL #2H - OWB - AWP	22,348.5	11,879.0	207.2	113.2	2.205	CC, ES, SF
ZIA HILLS UNIT 1932 WC #709H - OWB - PWP1	22,348.5	22,113.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1	22,348.5	22,294.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1	22,348.5	22,041.7				Out of Range @TD
ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1	22,348.5	22,192.9	824.0	652.5	4.805	SF
ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1	22,348.5	22,072.2	447.6	276.7	2.618	SF
ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1	22,348.5	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #760H - OWB - PWP1	22,348.5	11,350.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1	22,348.5	11,200.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1	22,348.5	11,400.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1	22,348.5	11,300.0				Out of Range @TD
ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1	22,348.5	11,550.0				Out of Range @TD
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	22,348.5	19,481.3				Out of Range @TD

Offset Design: ZIA HILLS UNIT 1932 PROJECT - CONOCO FEDERAL #2 - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 490-INC-ONLY													Offset Well Error: 10.0 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	0.0	0.0	3.0	10.0	123.79	-226.9	339.1	408.3				
100.0	100.0	85.4	85.4	3.0	10.0	123.79	-226.9	339.1	408.1	392.9	15.14	26.955	
200.0	200.0	185.4	185.4	3.2	10.2	123.79	-226.9	339.1	408.1	392.7	15.35	26.575	
300.0	300.0	285.4	285.4	3.3	10.4	123.79	-226.9	339.1	408.1	392.4	15.69	26.011	
400.0	400.0	385.4	385.4	3.4	10.7	123.79	-226.9	339.1	408.1	391.9	16.13	25.297	
500.0	500.0	485.4	485.4	3.5	11.0	123.79	-226.9	339.1	408.1	391.4	16.67	24.474	
600.0	600.0	585.4	585.4	3.7	12.0	123.79	-226.9	339.1	408.1	390.0	18.03	22.637	
700.0	700.0	685.4	685.4	3.8	13.3	123.79	-226.9	339.1	408.1	388.3	19.73	20.679	
751.9	751.9	737.3	737.2	3.9	14.0	123.69	-226.1	339.1	407.6	386.9	20.72	19.672	
800.0	800.0	785.1	785.1	3.9	14.7	123.70	-226.1	339.1	407.6	385.9	21.68	18.800	
900.0	900.0	884.5	884.5	4.0	16.2	123.73	-226.4	339.1	407.8	384.0	23.81	17.126	
1,000.0	1,000.0	985.5	985.4	4.2	17.9	123.79	-226.9	339.1	408.1	381.9	26.11	15.627	
1,100.0	1,100.0	1,085.4	1,085.4	4.3	19.7	42.97	-226.9	339.1	406.8	378.2	28.61	14.220	
1,200.0	1,199.8	1,183.8	1,183.8	4.5	21.5	43.49	-226.7	339.1	402.8	371.7	31.14	12.936	
1,300.0	1,299.5	1,284.9	1,284.8	4.7	23.6	44.48	-226.9	339.1	396.7	362.7	33.96	11.681	
1,400.0	1,398.7	1,384.2	1,384.1	4.9	25.6	45.86	-226.9	339.1	388.1	351.2	36.84	10.532	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - CONOCO FEDERAL #2 - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 490-INC-ONLY													Offset Well Error: 10.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
1,500.0	1,497.5	1,482.6	1,482.5	5.1	27.7	47.60	-226.0	339.1	376.7	336.9	39.75	9.476	
1,600.0	1,595.6	1,579.9	1,579.8	5.3	29.8	50.00	-226.3	339.1	364.2	321.5	42.66	8.537	
1,700.0	1,693.1	1,678.7	1,678.4	5.6	32.0	53.11	-226.9	339.1	350.4	304.7	45.69	7.668	
1,750.0	1,741.5	1,727.1	1,726.8	5.6	33.2	54.88	-226.9	339.1	342.9	295.5	47.40	7.233	
1,800.0	1,789.8	1,775.4	1,775.1	5.7	34.5	56.64	-226.9	339.1	335.4	286.3	49.12	6.829	
1,900.0	1,886.4	1,871.9	1,871.7	6.0	37.0	60.40	-226.9	339.1	321.6	269.0	52.58	6.116	
2,000.0	1,982.9	1,967.9	1,967.6	6.2	39.4	64.26	-225.4	339.1	308.0	252.0	56.04	5.496	
2,100.0	2,079.5	2,063.2	2,063.0	6.5	41.9	68.62	-225.9	339.1	297.8	238.3	59.50	5.005	
2,200.0	2,176.1	2,158.5	2,158.2	6.8	44.4	73.26	-226.9	339.1	290.0	227.0	62.96	4.606	
2,300.0	2,272.7	2,258.5	2,258.1	7.2	47.0	78.29	-226.9	339.1	283.5	216.8	66.66	4.252	
2,400.0	2,369.3	2,355.1	2,354.7	7.5	49.6	83.32	-226.9	339.1	279.2	209.0	70.25	3.974	
2,500.0	2,465.9	2,451.0	2,450.5	7.9	52.2	88.33	-224.8	339.1	275.2	201.4	73.82	3.729	
2,515.4	2,480.8	2,465.6	2,465.1	8.0	52.6	89.12	-224.9	339.1	275.2	200.8	74.36	3.701 CC	
2,600.0	2,562.5	2,545.8	2,545.2	8.3	54.7	93.45	-225.4	339.1	276.3	198.9	77.36	3.572 ES	
2,700.0	2,659.1	2,640.5	2,640.0	8.7	57.2	98.49	-226.7	339.1	280.4	199.5	80.91	3.466	
2,800.0	2,755.7	2,741.7	2,741.1	9.1	60.0	103.69	-226.9	339.1	285.9	201.1	84.75	3.373	
2,900.0	2,852.3	2,838.3	2,837.7	9.5	62.6	108.46	-226.9	339.1	293.3	204.8	88.41	3.317	
3,000.0	2,948.9	2,934.7	2,934.0	9.9	65.2	113.05	-225.2	339.1	301.0	209.0	92.08	3.269	
3,100.0	3,045.5	3,029.9	3,029.2	10.4	67.7	117.23	-225.5	339.1	312.7	217.0	95.72	3.267 SF	
3,200.0	3,142.1	3,125.1	3,124.4	10.8	70.3	121.07	-226.3	339.1	326.4	227.0	99.36	3.285	
3,300.0	3,238.6	3,225.0	3,224.0	11.2	73.3	124.78	-226.9	339.1	341.4	237.8	103.58	3.296	
3,400.0	3,335.2	3,321.5	3,320.6	11.7	76.5	128.12	-226.9	339.1	357.1	249.0	108.17	3.301	
3,500.0	3,431.8	3,418.1	3,417.2	12.1	79.8	131.19	-226.9	339.1	374.0	261.2	112.77	3.316	
3,600.0	3,528.4	3,512.9	3,511.9	12.6	83.0	134.09	-225.0	339.1	390.3	273.0	117.28	3.328	
3,700.0	3,625.0	3,607.4	3,606.4	13.0	86.2	136.53	-225.9	339.1	409.8	288.0	121.78	3.365	
3,800.0	3,721.6	3,707.6	3,706.1	13.5	89.7	138.90	-226.5	339.1	429.7	302.9	126.79	3.389	
3,900.0	3,818.2	3,805.1	3,803.6	14.0	93.4	141.02	-226.9	339.1	450.1	318.1	132.00	3.410	
4,000.0	3,914.8	3,901.7	3,900.2	14.4	97.0	142.98	-226.9	339.1	470.7	333.6	137.13	3.433	
4,100.0	4,011.4	3,998.3	3,996.8	14.9	100.7	144.77	-226.9	339.1	491.9	349.6	142.27	3.458	
4,200.0	4,108.0	4,092.8	4,091.2	15.4	104.3	146.69	-223.4	339.1	511.1	363.8	147.30	3.470	
4,300.0	4,204.6	4,186.7	4,185.0	15.8	107.8	148.08	-224.3	339.1	533.8	381.5	152.29	3.505	
4,400.0	4,301.2	4,280.5	4,278.7	16.3	111.3	149.29	-226.1	339.1	557.3	400.1	157.27	3.544	
4,500.0	4,397.8	4,368.0	4,365.7	16.8	114.6	150.41	-226.9	339.1	580.6	418.8	161.80	3.589	
4,600.0	4,494.4	4,368.0	4,365.7	17.2	114.6	150.41	-226.9	339.1	613.9	454.8	159.11	3.858	
4,700.0	4,590.9	4,368.0	4,365.7	17.7	114.6	150.41	-226.9	339.1	660.8	507.2	153.61	4.302	
4,800.0	4,687.5	4,368.0	4,365.7	18.2	114.6	150.41	-226.9	339.1	718.6	571.9	146.67	4.900	
4,900.0	4,784.1	4,368.0	4,365.7	18.7	114.6	150.41	-226.9	339.1	785.0	645.6	139.32	5.634	
5,000.0	4,880.7	4,368.0	4,365.7	19.2	114.6	150.41	-226.9	339.1	857.9	725.7	132.18	6.490	
5,100.0	4,977.3	4,368.0	4,365.7	19.6	114.6	150.41	-226.9	339.1	935.8	810.2	125.54	7.454	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - PADUCA 7 6 W1HA FEDERAL #2H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 190-MWD - OWSG R1													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
21,500.0	11,879.0	11,703.9	11,678.0	82.3	42.6	-5.20	10,851.3	1,562.5	976.9	900.2	76.75	12.729		
21,600.0	11,879.0	11,721.0	11,694.2	83.0	42.6	-5.42	10,856.5	1,563.0	881.5	804.1	77.36	11.395		
21,700.0	11,879.0	11,721.0	11,694.2	83.7	42.6	-5.42	10,856.5	1,563.0	786.5	707.9	78.67	9.998		
21,800.0	11,879.0	11,737.5	11,709.8	84.4	42.7	-5.64	10,862.1	1,563.5	692.5	612.8	79.75	8.684		
21,900.0	11,879.0	11,753.5	11,724.7	85.1	42.7	-5.87	10,868.0	1,564.0	599.6	518.4	81.21	7.383		
22,000.0	11,879.0	11,769.0	11,738.8	85.8	42.7	-6.11	10,874.2	1,564.5	508.1	424.8	83.32	6.098		
22,100.0	11,879.0	11,794.8	11,762.0	86.5	42.8	-6.49	10,885.5	1,565.6	418.3	332.9	85.44	4.896		
22,200.0	11,879.0	11,816.0	11,780.5	87.2	42.8	-6.76	10,895.7	1,566.9	331.1	241.8	89.35	3.706		
22,298.5	11,879.0	11,863.0	11,820.0	87.9	42.9	-7.48	10,920.9	1,569.8	248.1	157.1	90.93	2.728		
22,300.0	11,879.0	11,863.0	11,820.0	87.9	42.9	-7.48	10,920.9	1,569.8	246.8	155.7	91.10	2.709		
22,348.5	11,879.0	11,879.0	11,833.0	88.2	43.0	-7.87	10,930.2	1,570.7	207.2	113.2	93.94	2.205 CC, ES, SF		

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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		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
0.0	0.0	0.3	0.3	3.0	3.0	-89.66	0.9	-150.0	150.0				
100.0	100.0	100.3	100.3	3.0	3.0	-89.66	0.9	-150.0	150.0	143.5		6.52	23.003
200.0	200.0	200.3	200.3	3.2	3.2	-89.66	0.9	-150.0	150.0	143.2		6.76	22.186
300.0	300.0	300.3	300.3	3.3	3.3	-89.66	0.9	-150.0	150.0	143.0		6.99	21.452
400.0	400.0	400.3	400.3	3.4	3.4	-89.66	0.9	-150.0	150.0	142.8		7.22	20.789
500.0	500.0	500.3	500.3	3.5	3.5	-89.66	0.9	-150.0	150.0	142.6		7.43	20.184
600.0	600.0	600.3	600.3	3.7	3.7	-89.66	0.9	-150.0	150.0	142.4		7.64	19.631
700.0	700.0	700.3	700.3	3.8	3.8	-89.66	0.9	-150.0	150.0	142.1		7.84	19.122
800.0	800.0	800.3	800.3	3.9	3.9	-89.66	0.9	-150.0	150.0	142.0		8.04	18.651
900.0	900.0	900.3	900.3	4.0	4.0	-89.66	0.9	-150.0	150.0	141.8		8.24	18.214
1,000.0	1,000.0	1,000.3	1,000.3	4.2	4.2	-89.66	0.9	-150.0	150.0	141.6		8.42	17.807 CC, ES
1,100.0	1,100.0	1,100.3	1,100.3	4.3	4.3	-170.76	0.9	-150.0	151.7	143.0		8.72	17.391 SF
1,200.0	1,199.8	1,200.1	1,200.1	4.5	4.4	-171.05	0.9	-150.0	156.9	147.9		9.02	17.396
1,300.0	1,299.5	1,299.7	1,299.7	4.7	4.5	-171.49	0.9	-150.0	165.5	156.2		9.31	17.775
1,400.0	1,398.7	1,399.0	1,399.0	4.9	4.6	-172.04	0.9	-150.0	177.6	168.0		9.60	18.493
1,500.0	1,497.5	1,497.7	1,497.7	5.1	4.7	-172.64	0.9	-150.0	193.1	183.2		9.89	19.519
1,600.0	1,595.6	1,589.8	1,589.8	5.3	4.9	-173.06	1.4	-151.3	213.4	203.1		10.29	20.745
1,700.0	1,693.1	1,679.8	1,679.6	5.6	5.0	-173.17	3.0	-155.2	239.9	229.1		10.75	22.307
1,750.0	1,741.5	1,723.8	1,723.6	5.6	5.1	-173.14	4.2	-158.1	255.4	244.5		10.93	23.366
1,800.0	1,789.8	1,767.3	1,767.0	5.7	5.2	-173.09	5.6	-161.5	272.0	260.9		11.11	24.489
1,900.0	1,886.4	1,853.1	1,852.2	6.0	5.5	-172.86	9.0	-170.1	307.1	295.5		11.54	26.604
2,000.0	1,982.9	1,941.1	1,939.4	6.2	5.7	-172.50	13.5	-181.1	344.5	332.5		12.00	28.698
2,100.0	2,079.5	2,033.6	2,031.0	6.5	5.9	-172.16	18.3	-193.1	382.3	369.8		12.50	30.591
2,200.0	2,176.1	2,126.2	2,122.7	6.8	6.2	-171.88	23.1	-205.0	420.1	407.0		13.03	32.246
2,300.0	2,272.7	2,218.7	2,214.3	7.2	6.4	-171.65	28.0	-217.0	457.9	444.3		13.59	33.690
2,400.0	2,369.3	2,311.3	2,306.0	7.5	6.7	-171.45	32.8	-228.9	495.7	481.5		14.18	34.948
2,500.0	2,465.9	2,403.9	2,397.7	7.9	7.0	-171.29	37.6	-240.9	533.5	518.7		14.80	36.044
2,600.0	2,562.5	2,496.4	2,489.3	8.3	7.3	-171.14	42.4	-252.8	571.3	555.9		15.44	36.997
2,700.0	2,659.1	2,589.0	2,581.0	8.7	7.6	-171.01	47.3	-264.7	609.1	593.0		16.10	37.829
2,800.0	2,755.7	2,681.6	2,672.7	9.1	7.9	-170.90	52.1	-276.7	646.9	630.2		16.78	38.555
2,900.0	2,852.3	2,774.1	2,764.3	9.5	8.2	-170.80	56.9	-288.6	684.8	667.3		17.47	39.192
3,000.0	2,948.9	2,866.7	2,856.0	9.9	8.6	-170.71	61.7	-300.6	722.6	704.4		18.18	39.751
3,100.0	3,045.5	2,959.3	2,947.7	10.4	8.9	-170.63	66.6	-312.5	760.4	741.5		18.90	40.243
3,200.0	3,142.1	3,051.8	3,039.3	10.8	9.2	-170.55	71.4	-324.5	798.2	778.6		19.62	40.677
3,300.0	3,238.6	3,144.4	3,131.0	11.2	9.6	-170.49	76.2	-336.4	836.1	815.7		20.36	41.062
3,400.0	3,335.2	3,237.0	3,222.7	11.7	9.9	-170.43	81.0	-348.4	873.9	852.8		21.11	41.403
3,500.0	3,431.8	3,329.5	3,314.3	12.1	10.3	-170.37	85.9	-360.3	911.7	889.9		21.86	41.707
3,600.0	3,528.4	3,422.1	3,406.0	12.6	10.6	-170.32	90.7	-372.2	949.5	926.9		22.62	41.978
3,700.0	3,625.0	3,514.7	3,497.6	13.0	11.0	-170.27	95.5	-384.2	987.4	964.0		23.38	42.233

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11311-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-89.61	0.8	-120.0	120.0				
100.0	100.0	100.0	100.0	3.0	3.0	-89.61	0.8	-120.0	120.0	113.5	6.52	18.407	
200.0	200.0	200.0	200.0	3.2	3.2	-89.61	0.8	-120.0	120.0	113.3	6.76	17.754	
300.0	300.0	300.0	300.0	3.3	3.3	-89.61	0.8	-120.0	120.0	113.0	6.99	17.167	
400.0	400.0	400.0	400.0	3.4	3.4	-89.61	0.8	-120.0	120.0	112.8	7.21	16.636	
500.0	500.0	500.0	500.0	3.5	3.5	-89.61	0.8	-120.0	120.0	112.6	7.43	16.152	
600.0	600.0	600.0	600.0	3.7	3.7	-89.61	0.8	-120.0	120.0	112.4	7.64	15.709	
700.0	700.0	700.0	700.0	3.8	3.8	-89.61	0.8	-120.0	120.0	112.2	7.84	15.301	
800.0	800.0	800.0	800.0	3.9	3.9	-89.61	0.8	-120.0	120.0	112.0	8.04	14.925	
900.0	900.0	900.0	900.0	4.0	4.0	-89.61	0.8	-120.0	120.0	111.8	8.23	14.575	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-89.61	0.8	-120.0	120.0	111.6	8.42	14.249 CC, ES	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-170.74	0.8	-120.0	121.7	113.0	8.72	13.956 SF	
1,200.0	1,199.8	1,199.9	1,199.9	4.5	4.4	-171.10	0.8	-120.0	126.9	117.9	9.02	14.073	
1,300.0	1,299.5	1,299.5	1,299.5	4.7	4.5	-171.65	0.8	-120.0	135.5	126.2	9.31	14.556	
1,400.0	1,398.7	1,398.7	1,398.7	4.9	4.6	-172.30	0.8	-120.0	147.6	138.0	9.60	15.371	
1,500.0	1,497.5	1,497.5	1,497.5	5.1	4.7	-173.00	0.8	-120.0	163.1	153.2	9.89	16.488	
1,600.0	1,595.6	1,600.3	1,600.3	5.3	4.9	-173.34	2.1	-118.8	180.9	170.6	10.27	17.609	
1,700.0	1,693.1	1,703.5	1,703.3	5.6	5.2	-172.98	6.0	-115.0	199.4	188.7	10.74	18.565	
1,750.0	1,741.5	1,754.9	1,754.6	5.6	5.2	-172.60	9.0	-112.2	209.1	198.2	10.86	19.259	
1,800.0	1,789.8	1,803.9	1,803.4	5.7	5.3	-172.24	12.0	-109.2	218.9	207.9	10.98	19.940	
1,900.0	1,886.4	1,901.9	1,901.1	6.0	5.5	-171.61	18.2	-103.2	238.5	227.1	11.40	20.928	
2,000.0	1,982.9	2,000.0	1,998.7	6.2	5.7	-171.08	24.3	-97.3	258.1	246.3	11.85	21.775	
2,100.0	2,079.5	2,098.0	2,096.4	6.5	5.9	-170.62	30.5	-91.4	277.8	265.4	12.35	22.498	
2,200.0	2,176.1	2,196.0	2,194.0	6.8	6.2	-170.22	36.6	-85.4	297.4	284.6	12.87	23.112	
2,300.0	2,272.7	2,294.1	2,291.7	7.2	6.4	-169.87	42.8	-79.5	317.1	303.7	13.42	23.635	
2,400.0	2,369.3	2,392.1	2,389.3	7.5	6.7	-169.56	48.9	-73.6	336.8	322.8	13.99	24.078	
2,500.0	2,465.9	2,490.1	2,487.0	7.9	7.0	-169.29	55.1	-67.6	356.5	341.9	14.58	24.455	
2,600.0	2,562.5	2,588.1	2,584.6	8.3	7.3	-169.04	61.2	-61.7	376.2	361.0	15.19	24.774	
2,700.0	2,659.1	2,686.2	2,682.3	8.7	7.6	-168.82	67.4	-55.8	395.9	380.1	15.81	25.046	
2,800.0	2,755.7	2,784.2	2,779.9	9.1	7.9	-168.62	73.5	-49.8	415.7	399.2	16.44	25.278	
2,900.0	2,852.3	2,882.2	2,877.6	9.5	8.2	-168.44	79.6	-43.9	435.4	418.3	17.09	25.475	
3,000.0	2,948.9	2,978.1	2,973.1	9.9	8.5	-168.29	85.6	-38.2	455.2	437.5	17.70	25.717	
3,100.0	3,045.5	3,070.9	3,065.7	10.4	8.8	-168.28	90.4	-33.5	475.9	457.6	18.34	25.956	
3,200.0	3,142.1	3,163.3	3,158.0	10.8	9.1	-168.39	94.1	-30.0	497.7	478.7	18.98	26.217	
3,300.0	3,238.6	3,255.2	3,249.8	11.2	9.4	-168.63	96.7	-27.4	520.5	500.9	19.63	26.514	
3,400.0	3,335.2	3,346.6	3,341.1	11.7	9.6	-168.96	98.3	-25.9	544.4	524.1	20.28	26.849	
3,500.0	3,431.8	3,437.8	3,432.4	12.1	9.8	-169.37	98.8	-25.4	569.3	548.4	20.89	27.258	
3,600.0	3,528.4	3,533.9	3,528.5	12.6	9.8	-169.83	98.8	-25.4	594.8	573.3	21.48	27.692	
3,700.0	3,625.0	3,630.5	3,625.1	13.0	9.9	-170.25	98.8	-25.4	620.3	598.2	22.10	28.069	
3,800.0	3,721.6	3,727.1	3,721.6	13.5	10.0	-170.64	98.8	-25.4	645.8	623.1	22.72	28.423	
3,900.0	3,818.2	3,823.7	3,818.2	14.0	10.1	-171.00	98.8	-25.4	671.4	648.1	23.35	28.753	
4,000.0	3,914.8	3,920.3	3,914.8	14.4	10.2	-171.33	98.8	-25.4	697.0	673.0	23.98	29.064	
4,100.0	4,011.4	4,016.9	4,011.4	14.9	10.2	-171.64	98.8	-25.4	722.6	698.0	24.62	29.355	
4,200.0	4,108.0	4,113.5	4,108.0	15.4	10.3	-171.93	98.8	-25.4	748.3	723.0	25.25	29.629	
4,300.0	4,204.6	4,210.1	4,204.6	15.8	10.4	-172.20	98.8	-25.4	773.9	748.0	25.90	29.886	
4,400.0	4,301.2	4,306.7	4,301.2	16.3	10.5	-172.45	98.8	-25.4	799.6	773.0	26.54	30.129	
4,500.0	4,397.8	4,403.3	4,397.8	16.8	10.6	-172.68	98.8	-25.4	825.3	798.1	27.18	30.357	
4,600.0	4,494.4	4,499.9	4,494.4	17.2	10.6	-172.91	98.8	-25.4	850.9	823.1	27.83	30.573	
4,700.0	4,590.9	4,596.5	4,591.0	17.7	10.7	-173.11	98.8	-25.4	876.7	848.2	28.48	30.777	
4,800.0	4,687.5	4,693.0	4,687.6	18.2	10.8	-173.31	98.8	-25.4	902.4	873.2	29.14	30.969	
4,900.0	4,784.1	4,789.6	4,784.2	18.7	10.9	-173.50	98.8	-25.4	928.1	898.3	29.79	31.151	
5,000.0	4,880.7	4,886.2	4,880.8	19.2	11.0	-173.67	98.8	-25.4	953.8	923.4	30.45	31.324	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:	ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #710H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program:	0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11311-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,977.3	4,982.8	4,977.4	19.6	11.0	-173.84	98.8	-25.4	979.6	948.4	31.11	31.488	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.1	0.1	3.0	3.0	-89.70	0.5	-90.1	90.1				
100.0	100.0	100.1	100.1	3.0	3.0	-89.70	0.5	-90.1	90.1	83.5	6.52	13.812	
200.0	200.0	200.1	200.1	3.2	3.2	-89.70	0.5	-90.1	90.1	83.3	6.76	13.322	
300.0	300.0	300.1	300.1	3.3	3.3	-89.70	0.5	-90.1	90.1	83.1	6.99	12.881	
400.0	400.0	400.1	400.1	3.4	3.4	-89.70	0.5	-90.1	90.1	82.8	7.21	12.483	
500.0	500.0	500.1	500.1	3.5	3.5	-89.70	0.5	-90.1	90.1	82.6	7.43	12.120	
600.0	600.0	600.1	600.1	3.7	3.7	-89.70	0.5	-90.1	90.1	82.4	7.64	11.788	
700.0	700.0	700.1	700.1	3.8	3.8	-89.70	0.5	-90.1	90.1	82.2	7.84	11.482	
800.0	800.0	800.1	800.1	3.9	3.9	-89.70	0.5	-90.1	90.1	82.0	8.04	11.199	
900.0	900.0	900.1	900.1	4.0	4.0	-89.70	0.5	-90.1	90.1	81.8	8.23	10.937	
1,000.0	1,000.0	1,000.1	1,000.1	4.2	4.2	-89.70	0.5	-90.1	90.1	81.6	8.42	10.692 CC, ES	
1,100.0	1,100.0	1,100.1	1,100.1	4.3	4.3	-170.87	0.5	-90.1	91.8	83.1	8.72	10.522 SF	
1,200.0	1,199.8	1,199.9	1,199.9	4.5	4.4	-171.35	0.5	-90.1	97.0	87.9	9.02	10.750	
1,300.0	1,299.5	1,299.5	1,299.5	4.7	4.5	-172.03	0.5	-90.1	105.6	96.3	9.31	11.338	
1,400.0	1,398.7	1,398.8	1,398.8	4.9	4.6	-172.83	0.5	-90.1	117.7	108.1	9.60	12.250	
1,500.0	1,497.5	1,497.5	1,497.5	5.1	4.7	-173.63	0.5	-90.1	133.2	123.3	9.90	13.460	
1,600.0	1,595.6	1,598.8	1,598.8	5.3	4.9	-174.12	1.3	-89.1	151.2	140.9	10.25	14.753	
1,700.0	1,693.1	1,700.4	1,700.3	5.6	5.0	-174.07	3.8	-86.0	170.5	159.8	10.70	15.932	
1,750.0	1,741.5	1,751.2	1,751.0	5.6	5.1	-173.89	5.8	-83.7	180.6	169.8	10.87	16.621	
1,800.0	1,789.8	1,802.2	1,801.8	5.7	5.2	-173.64	8.1	-80.9	190.7	179.7	11.04	17.276	
1,900.0	1,886.4	1,904.7	1,903.9	6.0	5.5	-172.87	14.2	-73.7	209.3	197.8	11.49	18.221	
2,000.0	1,982.9	2,007.8	2,006.3	6.2	5.7	-171.77	22.1	-64.2	225.8	213.8	11.96	18.872	
2,100.0	2,079.5	2,111.1	2,108.6	6.5	5.9	-170.75	30.4	-52.7	240.4	228.0	12.42	19.357	
2,200.0	2,176.1	2,212.3	2,208.8	6.8	6.1	-170.42	36.0	-39.9	253.5	240.5	12.94	19.592	
2,300.0	2,272.7	2,311.4	2,307.0	7.2	6.4	-170.21	41.2	-27.1	266.3	252.8	13.55	19.651	
2,400.0	2,369.3	2,410.6	2,405.2	7.5	6.7	-170.01	46.4	-14.3	279.2	265.0	14.20	19.662	
2,500.0	2,465.9	2,509.8	2,503.4	7.9	7.0	-169.83	51.5	-1.5	292.1	277.2	14.87	19.639	
2,600.0	2,562.5	2,608.9	2,601.6	8.3	7.4	-169.67	56.7	11.3	305.0	289.4	15.57	19.589	
2,700.0	2,659.1	2,708.1	2,699.8	8.7	7.7	-169.52	61.9	24.1	317.9	301.6	16.28	19.520	
2,800.0	2,755.7	2,807.3	2,798.0	9.1	8.0	-169.38	67.0	36.9	330.8	313.8	17.02	19.439	
2,900.0	2,852.3	2,906.4	2,896.2	9.5	8.4	-169.25	72.2	49.7	343.7	325.9	17.76	19.348	
3,000.0	2,948.9	3,005.6	2,994.4	9.9	8.8	-169.13	77.4	62.5	356.6	338.1	18.52	19.251	
3,100.0	3,045.5	3,104.7	3,092.6	10.4	9.1	-169.02	82.6	75.3	369.5	350.2	19.29	19.151	
3,200.0	3,142.1	3,203.9	3,190.8	10.8	9.5	-168.92	87.7	88.1	382.4	362.3	20.07	19.049	
3,300.0	3,238.6	3,303.1	3,289.0	11.2	9.9	-168.82	92.9	100.9	395.3	374.4	20.86	18.947	
3,400.0	3,335.2	3,402.2	3,387.2	11.7	10.3	-168.73	98.1	113.7	408.2	386.5	21.66	18.846	
3,500.0	3,431.8	3,501.4	3,485.4	12.1	10.7	-168.65	103.2	126.5	421.1	398.6	22.46	18.747	
3,600.0	3,528.4	3,600.6	3,583.6	12.6	11.1	-168.57	108.4	139.3	434.0	410.7	23.27	18.649	
3,700.0	3,625.0	3,699.7	3,681.8	13.0	11.4	-168.49	113.6	152.0	446.9	422.8	24.09	18.554	
3,800.0	3,721.6	3,798.9	3,780.0	13.5	11.8	-168.42	118.7	164.8	459.8	434.9	24.91	18.461	
3,900.0	3,818.2	3,898.0	3,878.2	14.0	12.2	-168.36	123.9	177.6	472.7	447.0	25.73	18.372	
4,000.0	3,914.8	3,997.2	3,976.4	14.4	12.6	-168.29	129.1	190.4	485.6	459.0	26.56	18.285	
4,100.0	4,011.4	4,096.4	4,074.6	14.9	13.0	-168.23	134.3	203.2	498.5	471.1	27.39	18.201	
4,200.0	4,108.0	4,195.5	4,172.8	15.4	13.4	-168.18	139.4	216.0	511.4	483.2	28.22	18.120	
4,300.0	4,204.6	4,294.7	4,271.0	15.8	13.9	-168.12	144.6	228.8	524.3	495.3	29.06	18.041	
4,400.0	4,301.2	4,393.8	4,369.2	16.3	14.3	-168.07	149.8	241.6	537.2	507.3	29.90	17.966	
4,500.0	4,397.8	4,493.0	4,467.4	16.8	14.7	-168.02	154.9	254.4	550.1	519.4	30.75	17.893	
4,600.0	4,494.4	4,592.2	4,565.6	17.2	15.1	-167.97	160.1	267.2	563.0	531.5	31.59	17.823	
4,700.0	4,590.9	4,691.3	4,663.8	17.7	15.5	-167.93	165.3	280.0	576.0	543.5	32.44	17.755	
4,800.0	4,687.5	4,790.5	4,762.0	18.2	15.9	-167.89	170.4	292.8	588.9	555.6	33.29	17.690	
4,900.0	4,784.1	4,889.7	4,860.2	18.7	16.3	-167.85	175.6	305.6	601.8	567.6	34.14	17.627	
5,000.0	4,880.7	4,988.8	4,958.3	19.2	16.7	-167.81	180.8	318.4	614.7	579.7	34.99	17.566	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #711H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11164-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	4,977.3	5,087.4	5,056.0	19.6	17.1	-167.77	185.9	331.1	627.6	591.8	35.83	17.515		
5,200.0	5,073.9	5,177.4	5,145.2	20.1	17.5	-167.77	190.3	342.0	641.3	604.7	36.63	17.509		
5,300.0	5,170.5	5,267.1	5,234.3	20.6	17.9	-167.82	194.2	351.5	656.4	619.0	37.41	17.546		
5,400.0	5,267.1	5,356.3	5,323.1	21.1	18.2	-167.92	197.5	359.7	672.9	634.8	38.18	17.624		
5,500.0	5,363.7	5,445.1	5,411.5	21.6	18.5	-168.06	200.3	366.6	690.8	651.9	38.94	17.740		
5,600.0	5,460.3	5,533.3	5,499.6	22.1	18.9	-168.24	202.5	372.2	710.1	670.5	39.69	17.893		
5,700.0	5,556.9	5,621.1	5,587.2	22.5	19.2	-168.46	204.3	376.6	730.8	690.4	40.41	18.083		
5,800.0	5,653.5	5,708.3	5,674.3	23.0	19.4	-168.70	205.5	379.6	752.9	711.7	41.12	18.308		
5,900.0	5,750.1	5,800.0	5,766.0	23.5	19.7	-169.00	206.3	381.5	776.3	734.4	41.85	18.547		
6,000.0	5,846.6	5,881.4	5,847.4	24.0	19.8	-169.28	206.5	382.0	801.0	758.7	42.39	18.899		
6,100.0	5,943.2	5,977.3	5,943.3	24.5	19.9	-169.61	206.5	382.0	826.5	783.5	43.00	19.224		
6,200.0	6,039.8	6,073.9	6,039.9	25.0	19.9	-169.92	206.5	382.0	852.0	808.4	43.61	19.536		
6,300.0	6,136.4	6,170.5	6,136.5	25.5	19.9	-170.22	206.5	382.0	877.5	833.3	44.23	19.840		
6,400.0	6,233.0	6,267.1	6,233.1	26.0	20.0	-170.49	206.5	382.0	903.1	858.2	44.85	20.137		
6,500.0	6,329.6	6,363.7	6,329.7	26.4	20.0	-170.76	206.5	382.0	928.6	883.2	45.47	20.425		
6,600.0	6,426.2	6,460.3	6,426.3	26.9	20.1	-171.01	206.5	382.0	954.2	908.1	46.09	20.705		
6,700.0	6,522.8	6,556.8	6,522.9	27.4	20.1	-171.24	206.5	382.0	979.8	933.1	46.71	20.978		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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	-89.58	0.4	-60.0	60.1				
100.0	100.0	99.9	99.9	3.0	3.0	-89.58	0.4	-60.0	60.1	53.5	6.52	9.210	
200.0	200.0	199.9	199.9	3.2	3.2	-89.58	0.4	-60.0	60.1	53.3	6.76	8.883	
300.0	300.0	299.9	299.9	3.3	3.3	-89.58	0.4	-60.0	60.1	53.1	6.99	8.589	
400.0	400.0	399.9	399.9	3.4	3.4	-89.58	0.4	-60.0	60.1	52.8	7.21	8.323	
500.0	500.0	499.9	499.9	3.5	3.5	-89.58	0.4	-60.0	60.1	52.6	7.43	8.081	
600.0	600.0	599.9	599.9	3.7	3.7	-89.58	0.4	-60.0	60.1	52.4	7.64	7.860	
700.0	700.0	699.9	699.9	3.8	3.8	-89.58	0.4	-60.0	60.1	52.2	7.84	7.656	
800.0	800.0	799.9	799.9	3.9	3.9	-89.58	0.4	-60.0	60.1	52.0	8.04	7.467	
900.0	900.0	899.9	899.9	4.0	4.0	-89.58	0.4	-60.0	60.1	51.8	8.23	7.292	
1,000.0	1,000.0	999.9	999.9	4.2	4.2	-89.58	0.4	-60.0	60.1	51.6	8.42	7.130 CC, ES	
1,100.0	1,100.0	1,099.9	1,099.9	4.3	4.3	-170.84	0.4	-60.0	61.8	53.1	8.72	7.081	
1,200.0	1,199.8	1,199.8	1,199.8	4.5	4.4	-171.54	0.4	-60.0	66.9	57.9	9.02	7.423	
1,300.0	1,299.5	1,299.4	1,299.4	4.7	4.5	-172.49	0.4	-60.0	75.6	66.3	9.31	8.115	
1,400.0	1,398.7	1,398.7	1,398.7	4.9	4.6	-173.50	0.4	-60.0	87.7	78.1	9.61	9.126	
1,500.0	1,497.5	1,497.4	1,497.4	5.1	4.7	-174.45	0.4	-60.0	103.2	93.3	9.90	10.428	
1,600.0	1,595.6	1,598.4	1,598.4	5.3	4.9	-175.05	1.1	-59.0	121.1	110.9	10.26	11.808	
1,700.0	1,693.1	1,699.7	1,699.6	5.6	5.0	-175.12	3.0	-55.5	140.1	129.4	10.72	13.069	
1,750.0	1,741.5	1,750.4	1,750.3	5.6	5.1	-175.02	4.5	-52.9	150.0	139.1	10.89	13.769	
1,800.0	1,789.8	1,801.3	1,801.0	5.7	5.2	-174.85	6.4	-49.8	159.7	148.7	11.07	14.429	
1,900.0	1,886.4	1,903.8	1,903.0	6.0	5.4	-174.27	11.1	-41.6	177.4	165.9	11.53	15.384	
2,000.0	1,982.9	2,007.0	2,005.6	6.2	5.7	-173.42	17.2	-30.9	192.8	180.7	12.04	16.016	
2,100.0	2,079.5	2,112.9	2,110.3	6.5	5.9	-172.44	24.5	-17.2	205.4	192.9	12.53	16.402	
2,200.0	2,176.1	2,220.3	2,215.9	6.8	6.3	-171.63	31.6	0.7	214.5	201.3	13.14	16.322	
2,300.0	2,272.7	2,322.9	2,316.3	7.2	6.5	-170.98	38.2	20.8	220.6	206.9	13.73	16.066	
2,400.0	2,369.3	2,422.7	2,414.0	7.5	6.9	-170.39	44.7	40.5	226.6	212.1	14.41	15.719	
2,500.0	2,465.9	2,522.5	2,511.6	7.9	7.2	-169.82	51.1	60.2	232.5	217.4	15.12	15.378	
2,600.0	2,562.5	2,622.3	2,609.2	8.3	7.6	-169.29	57.5	80.0	238.5	222.6	15.85	15.047	
2,700.0	2,659.1	2,722.1	2,706.8	8.7	7.9	-168.78	63.9	99.7	244.5	227.9	16.60	14.730	
2,800.0	2,755.7	2,821.9	2,804.4	9.1	8.3	-168.29	70.3	119.4	250.5	233.2	17.36	14.427	
2,900.0	2,852.3	2,921.7	2,902.0	9.5	8.7	-167.83	76.7	139.2	256.6	238.4	18.14	14.140	
3,000.0	2,948.9	3,021.5	2,999.7	9.9	9.1	-167.39	83.1	158.9	262.6	243.7	18.93	13.870	
3,100.0	3,045.5	3,121.3	3,097.3	10.4	9.5	-166.96	89.5	178.6	268.7	248.9	19.73	13.615	
3,200.0	3,142.1	3,221.1	3,194.9	10.8	9.9	-166.56	95.9	198.4	274.8	254.2	20.54	13.375	
3,300.0	3,238.6	3,320.9	3,292.5	11.2	10.4	-166.18	102.4	218.1	280.8	259.5	21.36	13.149	
3,400.0	3,335.2	3,420.7	3,390.1	11.7	10.8	-165.81	108.8	237.8	287.0	264.8	22.18	12.938	
3,500.0	3,431.8	3,520.5	3,487.7	12.1	11.2	-165.45	115.2	257.6	293.1	270.1	23.01	12.739	
3,600.0	3,528.4	3,620.3	3,585.3	12.6	11.6	-165.11	121.6	277.3	299.2	275.4	23.84	12.551	
3,700.0	3,625.0	3,720.1	3,683.0	13.0	12.1	-164.79	128.0	297.0	305.3	280.7	24.67	12.375	
3,800.0	3,721.6	3,819.9	3,780.6	13.5	12.5	-164.48	134.4	316.8	311.5	286.0	25.51	12.209	
3,900.0	3,818.2	3,919.7	3,878.2	14.0	13.0	-164.18	140.8	336.5	317.6	291.3	26.35	12.053	
4,000.0	3,914.8	4,019.5	3,975.8	14.4	13.4	-163.89	147.2	356.2	323.8	296.6	27.20	11.906	
4,100.0	4,011.4	4,119.3	4,073.4	14.9	13.8	-163.61	153.7	376.0	330.0	301.9	28.04	11.767	
4,200.0	4,108.0	4,219.1	4,171.0	15.4	14.3	-163.34	160.1	395.7	336.2	307.3	28.89	11.636	
4,300.0	4,204.6	4,318.9	4,268.7	15.8	14.7	-163.08	166.5	415.4	342.3	312.6	29.74	11.512	
4,400.0	4,301.2	4,418.7	4,366.3	16.3	15.2	-162.83	172.9	435.2	348.5	318.0	30.59	11.394	
4,500.0	4,397.8	4,518.5	4,463.9	16.8	15.6	-162.59	179.3	454.9	354.7	323.3	31.44	11.282	
4,600.0	4,494.4	4,618.3	4,561.5	17.2	16.1	-162.36	185.7	474.6	361.0	328.7	32.29	11.177	
4,700.0	4,590.9	4,718.0	4,659.1	17.7	16.5	-162.13	192.1	494.4	367.2	334.0	33.15	11.076	
4,800.0	4,687.5	4,817.8	4,756.7	18.2	17.0	-161.92	198.5	514.1	373.4	339.4	34.00	10.981	
4,900.0	4,784.1	4,917.6	4,854.4	18.7	17.5	-161.71	204.9	533.8	379.6	344.7	34.86	10.890	
5,000.0	4,880.7	5,017.4	4,952.0	19.2	17.9	-161.50	211.4	553.6	385.8	350.1	35.71	10.804	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	4,977.3	5,117.2	5,049.6	19.6	18.4	-161.31	217.8	573.3	392.1	355.5	36.57	10.721	
5,200.0	5,073.9	5,217.0	5,147.2	20.1	18.8	-161.12	224.2	593.0	398.3	360.9	37.43	10.643	
5,300.0	5,170.5	5,316.8	5,244.8	20.6	19.3	-160.93	230.6	612.8	404.5	366.3	38.28	10.567	
5,400.0	5,267.1	5,416.6	5,342.4	21.1	19.7	-160.75	237.0	632.5	410.8	371.6	39.14	10.496	
5,500.0	5,363.7	5,516.4	5,440.1	21.6	20.2	-160.58	243.4	652.2	417.0	377.0	40.00	10.427	
5,600.0	5,460.3	5,616.2	5,537.7	22.1	20.7	-160.41	249.8	672.0	423.3	382.4	40.85	10.361	
5,700.0	5,556.9	5,716.0	5,635.3	22.5	21.1	-160.25	256.2	691.7	429.5	387.8	41.71	10.298	
5,800.0	5,653.5	5,815.8	5,732.9	23.0	21.6	-160.09	262.7	711.4	435.8	393.2	42.57	10.238	
5,900.0	5,750.1	5,915.6	5,830.5	23.5	22.1	-159.93	269.1	731.2	442.1	398.6	43.42	10.181	
6,000.0	5,846.6	6,000.0	5,913.3	24.0	22.4	-159.87	274.2	746.9	449.4	405.3	44.18	10.174	
6,100.0	5,943.2	6,091.9	6,003.9	24.5	22.9	-159.97	278.9	761.5	459.4	414.4	45.01	10.208	
6,200.0	6,039.8	6,178.7	6,089.8	25.0	23.3	-160.22	282.6	772.7	472.1	426.3	45.79	10.310	
6,300.0	6,136.4	6,264.8	6,175.4	25.5	23.6	-160.60	285.4	781.4	487.4	440.8	46.55	10.470	
6,400.0	6,233.0	6,350.0	6,260.4	26.0	23.9	-161.10	287.4	787.5	505.3	458.1	47.29	10.686	
6,500.0	6,329.6	6,434.2	6,344.5	26.4	24.2	-161.69	288.6	791.2	525.9	477.9	47.98	10.962	
6,600.0	6,426.2	6,517.2	6,427.5	26.9	24.5	-162.34	289.0	792.6	549.1	500.5	48.59	11.301	
6,700.0	6,522.8	6,612.4	6,522.7	27.4	24.5	-163.11	289.0	792.6	573.9	524.6	49.26	11.650	
6,800.0	6,619.4	6,709.0	6,619.3	27.9	24.5	-163.83	289.0	792.6	598.8	548.8	49.95	11.988	
6,900.0	6,716.0	6,805.6	6,715.9	28.4	24.6	-164.49	289.0	792.6	623.7	573.1	50.62	12.321	
7,000.0	6,812.6	6,902.2	6,812.5	28.9	24.6	-165.10	289.0	792.6	648.8	597.5	51.29	12.649	
7,100.0	6,909.2	6,998.8	6,909.1	29.4	24.6	-165.67	289.0	792.6	673.9	621.9	51.95	12.972	
7,194.0	7,000.0	7,089.6	6,999.9	29.8	24.7	-166.16	289.0	792.6	697.5	645.0	52.56	13.271	
7,200.0	7,005.8	7,095.4	7,005.7	29.9	24.7	-166.20	289.0	792.6	699.0	646.4	52.60	13.290	
7,300.0	7,102.8	7,192.5	7,102.8	30.4	24.7	-166.76	289.0	792.6	722.4	669.1	53.28	13.559	
7,400.0	7,200.7	7,290.3	7,200.6	30.9	24.7	-167.22	289.0	792.6	742.4	688.6	53.90	13.775	
7,500.0	7,299.2	7,388.8	7,299.1	31.4	24.8	-167.58	289.0	792.6	759.2	704.7	54.48	13.934	
7,600.0	7,398.2	7,487.9	7,398.2	31.8	24.8	-167.85	289.0	792.6	772.6	717.6	55.04	14.038	
7,700.0	7,497.7	7,587.4	7,497.7	32.2	24.8	-168.05	289.0	792.6	782.6	727.1	55.55	14.088	
7,800.0	7,597.5	7,687.1	7,597.4	32.6	24.9	-168.18	289.0	792.6	789.3	733.2	56.01	14.090	
7,900.0	7,697.4	7,787.1	7,697.4	32.9	24.9	-168.24	289.0	792.6	792.5	736.1	56.40	14.051	
7,944.0	7,741.5	7,831.1	7,741.4	33.0	24.9	-87.25	289.0	792.6	792.8	736.3	56.48	14.038	
8,000.0	7,797.4	7,887.1	7,797.4	33.0	24.9	-87.25	289.0	792.6	792.8	736.3	56.50	14.031	
8,100.0	7,897.4	7,987.1	7,897.4	33.0	25.0	-87.25	289.0	792.6	792.8	736.2	56.56	14.016	
8,200.0	7,997.4	8,087.1	7,997.4	33.0	25.0	-87.25	289.0	792.6	792.8	736.2	56.62	14.002	
8,300.0	8,097.4	8,187.1	8,097.4	33.0	25.1	-87.25	289.0	792.6	792.8	736.1	56.68	13.987	
8,400.0	8,197.4	8,287.1	8,197.4	33.1	25.1	-87.25	289.0	792.6	792.8	736.1	56.74	13.972	
8,500.0	8,297.4	8,387.1	8,297.4	33.1	25.1	-87.25	289.0	792.6	792.8	736.0	56.80	13.957	
8,600.0	8,397.4	8,487.1	8,397.4	33.1	25.2	-87.25	289.0	792.6	792.8	735.9	56.87	13.942	
8,700.0	8,497.4	8,587.1	8,497.4	33.1	25.2	-87.25	289.0	792.6	792.8	735.9	56.93	13.926	
8,800.0	8,597.4	8,687.1	8,597.4	33.2	25.2	-87.25	289.0	792.6	792.8	735.8	56.99	13.911	
8,900.0	8,697.4	8,787.1	8,697.4	33.2	25.3	-87.25	289.0	792.6	792.8	735.7	57.05	13.896	
9,000.0	8,797.4	8,887.1	8,797.4	33.2	25.3	-87.25	289.0	792.6	792.8	735.7	57.12	13.881	
9,100.0	8,897.4	8,987.1	8,897.4	33.2	25.4	-87.25	289.0	792.6	792.8	735.6	57.18	13.865	
9,200.0	8,997.4	9,087.1	8,997.4	33.3	25.4	-87.25	289.0	792.6	792.8	735.6	57.24	13.850	
9,300.0	9,097.4	9,187.1	9,097.4	33.3	25.4	-87.25	289.0	792.6	792.8	735.5	57.31	13.834	
9,400.0	9,197.4	9,287.1	9,197.4	33.3	25.5	-87.25	289.0	792.6	792.8	735.4	57.37	13.819	
9,500.0	9,297.4	9,387.1	9,297.4	33.3	25.5	-87.25	289.0	792.6	792.8	735.4	57.44	13.803	
9,600.0	9,397.4	9,487.1	9,397.4	33.4	25.6	-87.25	289.0	792.6	792.8	735.3	57.50	13.787	
9,700.0	9,497.4	9,587.1	9,497.4	33.4	25.6	-87.25	289.0	792.6	792.8	735.2	57.57	13.772	
9,800.0	9,597.4	9,687.1	9,597.4	33.4	25.6	-87.25	289.0	792.6	792.8	735.2	57.63	13.756	
9,900.0	9,697.4	9,787.1	9,697.4	33.5	25.7	-87.25	289.0	792.6	792.8	735.1	57.70	13.740	
10,000.0	9,797.4	9,887.1	9,797.4	33.5	25.7	-87.25	289.0	792.6	792.8	735.0	57.77	13.724	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,100.0	9,897.4	9,987.1	9,897.4	33.5	25.8	-87.25	289.0	792.6	792.8	735.0	57.83	13.708	
10,200.0	9,997.4	10,087.1	9,997.4	33.5	25.8	-87.25	289.0	792.6	792.8	734.9	57.90	13.692	
10,300.0	10,097.4	10,187.1	10,097.4	33.6	25.9	-87.25	289.0	792.6	792.8	734.8	57.97	13.676	
10,400.0	10,197.4	10,287.1	10,197.4	33.6	25.9	-87.25	289.0	792.6	792.8	734.8	58.04	13.660	
10,500.0	10,297.4	10,387.1	10,297.4	33.6	25.9	-87.25	289.0	792.6	792.8	734.7	58.11	13.644	
10,600.0	10,397.4	10,487.1	10,397.4	33.7	26.0	-87.25	289.0	792.6	792.8	734.6	58.18	13.628	
10,700.0	10,497.4	10,587.1	10,497.4	33.7	26.0	-87.25	289.0	792.6	792.8	734.6	58.24	13.611	
10,800.0	10,597.4	10,687.1	10,597.4	33.7	26.1	-87.25	289.0	792.6	792.8	734.5	58.31	13.595	
10,900.0	10,697.4	10,787.1	10,697.4	33.7	26.1	-87.25	289.0	792.6	792.8	734.4	58.38	13.579	
11,000.0	10,797.4	10,887.1	10,797.4	33.8	26.2	-87.25	289.0	792.6	792.8	734.3	58.46	13.562	
11,100.0	10,897.4	10,987.1	10,897.4	33.8	26.2	-87.25	289.0	792.6	792.8	734.3	58.53	13.546	
11,200.0	10,997.4	11,087.1	10,997.4	33.8	26.2	-87.25	289.0	792.6	792.8	734.2	58.60	13.530	
11,300.0	11,097.4	11,187.1	11,097.4	33.9	26.3	-87.25	289.0	792.6	792.8	734.1	58.67	13.513	
11,400.0	11,197.4	11,287.1	11,197.4	33.9	26.3	-87.25	289.0	792.6	792.8	734.1	58.74	13.497	
11,500.0	11,297.4	11,387.1	11,297.4	33.9	26.4	-87.25	289.0	792.6	792.8	734.0	58.81	13.481	
11,508.6	11,306.0	11,395.7	11,306.0	33.9	26.4	-87.25	289.0	792.6	792.8	734.0	58.82	13.479	
11,550.0	11,347.4	11,434.3	11,344.6	33.9	26.4	-89.75	290.3	792.6	792.9	734.1	58.80	13.484	
11,600.0	11,397.0	11,481.1	11,391.1	33.9	26.4	-89.75	295.4	792.6	793.1	734.3	58.79	13.492	
11,650.0	11,446.0	11,527.9	11,437.0	33.9	26.4	-89.75	304.2	792.6	793.5	734.8	58.78	13.501	
11,700.0	11,493.9	11,574.7	11,482.1	33.9	26.4	-89.76	316.8	792.5	794.2	735.4	58.78	13.510	
11,750.0	11,540.3	11,621.6	11,526.1	34.0	26.4	-89.76	333.0	792.5	795.0	736.2	58.80	13.519	
11,800.0	11,585.0	11,668.6	11,568.7	34.0	26.4	-89.76	352.8	792.4	795.9	737.1	58.84	13.528	
11,850.0	11,627.6	11,715.7	11,609.6	34.0	26.5	-89.77	376.1	792.4	797.1	738.2	58.88	13.537	
11,900.0	11,667.7	11,762.9	11,648.6	34.0	26.5	-89.78	402.7	792.3	798.4	739.4	58.94	13.545	
11,950.0	11,705.0	11,810.3	11,685.4	34.0	26.5	-89.79	432.6	792.2	799.8	740.8	59.01	13.553	
12,000.0	11,739.4	11,857.9	11,719.7	34.0	26.5	-89.79	465.5	792.1	801.4	742.3	59.10	13.560	
12,050.0	11,770.4	11,905.6	11,751.2	34.0	26.5	-89.80	501.3	792.0	803.2	744.0	59.20	13.567	
12,100.0	11,797.9	11,953.5	11,779.8	34.0	26.6	-89.82	539.8	791.9	805.0	745.7	59.31	13.572	
12,150.0	11,821.6	12,001.7	11,805.2	34.1	26.6	-89.83	580.7	791.8	807.0	747.5	59.44	13.577	
12,200.0	11,841.4	12,050.0	11,827.1	34.1	26.6	-89.84	623.7	791.7	809.0	749.5	59.58	13.580	
12,250.0	11,857.2	12,098.7	11,845.5	34.1	26.6	-89.85	668.9	791.6	811.2	751.5	59.72	13.583	
12,300.0	11,868.7	12,147.7	11,860.0	34.2	26.7	-89.87	715.6	791.4	813.4	753.5	59.88	13.584	
12,350.0	11,876.0	12,196.9	11,870.5	34.2	26.7	-89.88	763.6	791.3	815.6	755.6	60.04	13.584	
12,400.0	11,878.9	12,246.4	11,876.9	34.3	26.8	-89.90	812.7	791.2	817.9	757.7	60.22	13.584	
12,408.6	11,879.0	12,254.9	11,877.5	34.3	26.8	-89.90	821.2	791.2	818.3	758.1	60.25	13.584	
12,500.0	11,879.0	12,346.2	11,879.0	34.4	26.9	-90.00	912.5	790.9	821.1	760.6	60.54	13.564	
12,540.7	11,879.0	12,386.9	11,879.0	34.4	27.0	-90.00	953.2	790.8	821.4	760.8	60.66	13.541	
12,600.0	11,879.0	12,446.2	11,879.0	34.5	27.0	-90.00	1,012.5	790.6	821.4	760.6	60.86	13.498	
12,700.0	11,879.0	12,546.2	11,879.0	34.6	27.2	-90.00	1,112.5	790.4	821.5	760.2	61.22	13.418	
12,800.0	11,879.0	12,646.2	11,879.0	34.8	27.4	-90.00	1,212.5	790.1	821.5	759.9	61.62	13.332	
12,900.0	11,879.0	12,746.2	11,879.0	35.0	27.6	-90.00	1,312.5	789.8	821.5	759.5	62.05	13.240	
13,000.0	11,879.0	12,846.2	11,879.0	35.2	27.8	-90.00	1,412.5	789.5	821.5	759.0	62.51	13.142	
13,100.0	11,879.0	12,946.2	11,879.0	35.4	28.1	-90.00	1,512.5	789.3	821.6	758.6	63.01	13.038	
13,200.0	11,879.0	13,046.2	11,879.0	35.6	28.3	-90.00	1,612.5	789.0	821.6	758.1	63.54	12.930	
13,300.0	11,879.0	13,146.2	11,879.0	35.9	28.6	-90.00	1,712.5	788.7	821.6	757.5	64.10	12.817	
13,400.0	11,879.0	13,246.2	11,879.0	36.1	28.9	-90.00	1,812.5	788.4	821.6	757.0	64.70	12.700	
13,500.0	11,879.0	13,346.2	11,879.0	36.4	29.2	-90.00	1,912.5	788.2	821.7	756.4	65.32	12.580	
13,600.0	11,879.0	13,446.2	11,879.0	36.7	29.6	-90.00	2,012.5	787.9	821.7	755.7	65.97	12.456	
13,700.0	11,879.0	13,546.2	11,879.0	37.0	29.9	-90.00	2,112.5	787.6	821.7	755.1	66.65	12.330	
13,800.0	11,879.0	13,646.2	11,879.0	37.3	30.3	-90.00	2,212.5	787.3	821.8	754.4	67.35	12.201	
13,900.0	11,879.0	13,746.2	11,879.0	37.6	30.7	-90.00	2,312.5	787.1	821.8	753.7	68.08	12.071	
14,000.0	11,879.0	13,846.2	11,879.0	38.0	31.1	-90.00	2,412.5	786.8	821.8	753.0	68.84	11.938	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11396-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.0	11,879.0	13,946.2	11,879.0	38.4	31.5	-90.00	2,512.5	786.5	821.8	752.2	69.62	11.805	
14,200.0	11,879.0	14,046.2	11,879.0	38.7	32.0	-90.00	2,612.4	786.2	821.9	751.4	70.42	11.670	
14,300.0	11,879.0	14,146.2	11,879.0	39.1	32.4	-90.00	2,712.4	786.0	821.9	750.6	71.25	11.535	
14,400.0	11,879.0	14,246.2	11,879.0	39.5	32.9	-90.00	2,812.4	785.7	821.9	749.8	72.10	11.399	
14,500.0	11,879.0	14,346.2	11,879.0	39.9	33.3	-90.00	2,912.4	785.4	821.9	749.0	72.97	11.264	
14,600.0	11,879.0	14,446.2	11,879.0	40.3	33.8	-90.00	3,012.4	785.1	822.0	748.1	73.86	11.128	
14,700.0	11,879.0	14,546.2	11,879.0	40.8	34.3	-90.00	3,112.4	784.9	822.0	747.2	74.77	10.993	
14,800.0	11,879.0	14,646.2	11,879.0	41.2	34.8	-90.00	3,212.4	784.6	822.0	746.3	75.71	10.858	
14,900.0	11,879.0	14,746.2	11,879.0	41.6	35.4	-90.00	3,312.4	784.3	822.0	745.4	76.65	10.724	
15,000.0	11,879.0	14,846.2	11,879.0	42.1	35.9	-90.00	3,412.4	784.0	822.1	744.5	77.62	10.591	
15,100.0	11,879.0	14,946.2	11,879.0	42.6	36.4	-90.00	3,512.4	783.8	822.1	743.5	78.60	10.459	
15,200.0	11,879.0	15,046.2	11,879.0	43.0	37.0	-90.00	3,612.4	783.5	822.1	742.5	79.60	10.328	
15,300.0	11,879.0	15,146.2	11,879.0	43.5	37.5	-90.00	3,712.4	783.2	822.2	741.5	80.62	10.198	
15,400.0	11,879.0	15,246.2	11,879.0	44.0	38.1	-90.00	3,812.4	782.9	822.2	740.5	81.65	10.069	
15,500.0	11,879.0	15,346.2	11,879.0	44.5	38.6	-90.00	3,912.4	782.7	822.2	739.5	82.70	9.942	
15,600.0	11,879.0	15,446.2	11,879.0	45.0	39.2	-90.00	4,012.4	782.4	822.2	738.5	83.76	9.817	
15,700.0	11,879.0	15,546.2	11,879.0	45.5	39.8	-90.00	4,112.4	782.1	822.3	737.4	84.83	9.693	
15,800.0	11,879.0	15,646.2	11,879.0	46.1	40.4	-90.00	4,212.4	781.8	822.3	736.4	85.92	9.571	
15,900.0	11,879.0	15,746.2	11,879.0	46.6	41.0	-90.00	4,312.4	781.6	822.3	735.3	87.02	9.450	
16,000.0	11,879.0	15,846.2	11,879.0	47.1	41.6	-90.00	4,412.4	781.3	822.3	734.2	88.13	9.331	
16,100.0	11,879.0	15,946.2	11,879.0	47.7	42.2	-90.00	4,512.4	781.0	822.4	733.1	89.25	9.214	
16,200.0	11,879.0	16,046.2	11,879.0	48.2	42.8	-90.00	4,612.4	780.7	822.4	732.0	90.38	9.099	
16,300.0	11,879.0	16,146.2	11,879.0	48.8	43.4	-90.00	4,712.4	780.5	822.4	730.9	91.53	8.985	
16,400.0	11,879.0	16,246.2	11,879.0	49.3	44.0	-90.00	4,812.4	780.2	822.4	729.8	92.68	8.874	
16,500.0	11,879.0	16,346.2	11,879.0	49.9	44.7	-90.00	4,912.4	779.9	822.5	728.6	93.85	8.764	
16,600.0	11,879.0	16,446.2	11,879.0	50.5	45.3	-90.00	5,012.4	779.6	822.5	727.5	95.02	8.656	
16,700.0	11,879.0	16,546.2	11,879.0	51.0	45.9	-90.00	5,112.4	779.4	822.5	726.3	96.21	8.549	
16,800.0	11,879.0	16,646.2	11,879.0	51.6	46.6	-90.00	5,212.4	779.1	822.5	725.1	97.40	8.445	
16,900.0	11,879.0	16,746.2	11,879.0	52.2	47.2	-90.00	5,312.4	778.8	822.6	724.0	98.60	8.342	
17,000.0	11,879.0	16,846.2	11,879.0	52.8	47.8	-90.00	5,412.4	778.5	822.6	722.8	99.81	8.241	
17,100.0	11,879.0	16,946.2	11,879.0	53.4	48.5	-90.00	5,512.4	778.3	822.6	721.6	101.03	8.142	
17,200.0	11,879.0	17,046.2	11,879.0	54.0	49.1	-90.00	5,612.4	778.0	822.7	720.4	102.26	8.045	
17,300.0	11,879.0	17,146.2	11,879.0	54.6	49.8	-90.00	5,712.4	777.7	822.7	719.2	103.49	7.949	
17,400.0	11,879.0	17,246.2	11,879.0	55.2	50.5	-90.00	5,812.4	777.4	822.7	718.0	104.73	7.856	
17,500.0	11,879.0	17,346.2	11,879.0	55.8	51.1	-90.00	5,912.4	777.2	822.7	716.8	105.98	7.763	
17,600.0	11,879.0	17,446.2	11,879.0	56.4	51.8	-90.00	6,012.4	776.9	822.8	715.5	107.23	7.673	
17,700.0	11,879.0	17,546.2	11,879.0	57.0	52.4	-90.00	6,112.4	776.6	822.8	714.3	108.49	7.584	
17,800.0	11,879.0	17,646.2	11,879.0	57.6	53.1	-90.00	6,212.4	776.3	822.8	713.1	109.76	7.497	
17,900.0	11,879.0	17,746.2	11,879.0	58.3	53.8	-90.00	6,312.4	776.1	822.8	711.8	111.03	7.411	
18,000.0	11,879.0	17,846.2	11,879.0	58.9	54.5	-90.00	6,412.4	775.8	822.9	710.6	112.31	7.327	
18,100.0	11,879.0	17,946.2	11,879.0	59.5	55.1	-90.00	6,512.4	775.5	822.9	709.3	113.59	7.244	
18,200.0	11,879.0	18,046.2	11,879.0	60.1	55.8	-90.00	6,612.4	775.2	822.9	708.0	114.88	7.163	
18,300.0	11,879.0	18,146.2	11,879.0	60.8	56.5	-90.00	6,712.4	775.0	822.9	706.8	116.17	7.084	
18,400.0	11,879.0	18,246.2	11,879.0	61.4	57.2	-90.00	6,812.4	774.7	823.0	705.5	117.47	7.006	
18,500.0	11,879.0	18,346.2	11,879.0	62.1	57.9	-90.00	6,912.4	774.4	823.0	704.2	118.78	6.929	
18,600.0	11,879.0	18,446.2	11,879.0	62.7	58.6	-90.00	7,012.4	774.1	823.0	702.9	120.09	6.854	
18,700.0	11,879.0	18,546.2	11,879.0	63.4	59.2	-90.00	7,112.4	773.9	823.0	701.6	121.40	6.780	
18,800.0	11,879.0	18,646.2	11,879.0	64.0	59.9	-90.00	7,212.4	773.6	823.1	700.4	122.72	6.707	
18,900.0	11,879.0	18,746.2	11,879.0	64.7	60.6	-90.00	7,312.4	773.3	823.1	699.1	124.04	6.636	
19,000.0	11,879.0	18,846.2	11,879.0	65.3	61.3	-90.00	7,412.4	773.0	823.1	697.8	125.37	6.566	
19,100.0	11,879.0	18,946.2	11,879.0	66.0	62.0	-90.00	7,512.4	772.8	823.2	696.5	126.70	6.497	
19,200.0	11,879.0	19,046.2	11,879.0	66.6	62.7	-90.00	7,612.4	772.5	823.2	695.1	128.03	6.429	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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 (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,300.0	11,879.0	19,146.2	11,879.0	67.3	63.4	-90.00	7,712.4	772.2	823.2	693.8	129.37	6.363		
19,400.0	11,879.0	19,246.2	11,879.0	67.9	64.1	-90.00	7,812.4	771.9	823.2	692.5	130.71	6.298		
19,500.0	11,879.0	19,346.2	11,879.0	68.6	64.8	-90.00	7,912.4	771.7	823.3	691.2	132.06	6.234		
19,600.0	11,879.0	19,446.2	11,879.0	69.3	65.5	-90.00	8,012.4	771.4	823.3	689.9	133.41	6.171		
19,700.0	11,879.0	19,546.2	11,879.0	69.9	66.2	-90.00	8,112.4	771.1	823.3	688.6	134.76	6.110		
19,800.0	11,879.0	19,646.2	11,879.0	70.6	66.9	-90.00	8,212.4	770.8	823.3	687.2	136.11	6.049		
19,900.0	11,879.0	19,746.2	11,879.0	71.3	67.6	-90.00	8,312.4	770.6	823.4	685.9	137.47	5.989		
20,000.0	11,879.0	19,846.2	11,879.0	72.0	68.3	-90.00	8,412.4	770.3	823.4	684.6	138.83	5.931		
20,100.0	11,879.0	19,946.2	11,879.0	72.6	69.1	-90.00	8,512.4	770.0	823.4	683.2	140.20	5.873		
20,200.0	11,879.0	20,046.2	11,879.0	73.3	69.8	-90.00	8,612.4	769.7	823.4	681.9	141.57	5.817		
20,300.0	11,879.0	20,146.2	11,879.0	74.0	70.5	-90.00	8,712.4	769.5	823.5	680.5	142.94	5.761		
20,400.0	11,879.0	20,246.2	11,879.0	74.7	71.2	-90.00	8,812.4	769.2	823.5	679.2	144.31	5.706		
20,500.0	11,879.0	20,346.2	11,879.0	75.4	71.9	-90.00	8,912.4	768.9	823.5	677.8	145.68	5.653		
20,600.0	11,879.0	20,446.2	11,879.0	76.0	72.6	-90.00	9,012.4	768.6	823.5	676.5	147.06	5.600		
20,700.0	11,879.0	20,546.2	11,879.0	76.7	73.3	-90.00	9,112.4	768.4	823.6	675.1	148.44	5.548		
20,800.0	11,879.0	20,646.2	11,879.0	77.4	74.0	-90.00	9,212.4	768.1	823.6	673.8	149.83	5.497		
20,900.0	11,879.0	20,746.2	11,879.0	78.1	74.8	-90.00	9,312.4	767.8	823.6	672.4	151.21	5.447		
21,000.0	11,879.0	20,846.2	11,879.0	78.8	75.5	-90.00	9,412.4	767.5	823.7	671.1	152.60	5.398		
21,100.0	11,879.0	20,946.2	11,879.0	79.5	76.2	-90.00	9,512.4	767.3	823.7	669.7	153.99	5.349		
21,200.0	11,879.0	21,046.2	11,879.0	80.2	76.9	-90.00	9,612.4	767.0	823.7	668.3	155.38	5.301		
21,300.0	11,879.0	21,146.2	11,879.0	80.9	77.6	-90.00	9,712.4	766.7	823.7	667.0	156.77	5.254		
21,400.0	11,879.0	21,246.2	11,879.0	81.6	78.4	-90.00	9,812.4	766.4	823.8	665.6	158.17	5.208		
21,500.0	11,879.0	21,346.2	11,879.0	82.3	79.1	-90.00	9,912.4	766.2	823.8	664.2	159.57	5.163		
21,600.0	11,879.0	21,446.2	11,879.0	83.0	79.8	-90.00	10,012.4	765.9	823.8	662.8	160.97	5.118		
21,700.0	11,879.0	21,546.2	11,879.0	83.7	80.5	-90.00	10,112.4	765.6	823.8	661.5	162.37	5.074		
21,800.0	11,879.0	21,646.2	11,879.0	84.4	81.3	-90.00	10,212.4	765.3	823.9	660.1	163.77	5.030		
21,900.0	11,879.0	21,746.2	11,879.0	85.1	82.0	-90.00	10,312.4	765.1	823.9	658.7	165.18	4.988		
22,000.0	11,879.0	21,846.2	11,879.0	85.8	82.7	-90.00	10,412.4	764.8	823.9	657.3	166.59	4.946		
22,100.0	11,879.0	21,946.2	11,879.0	86.5	83.4	-90.00	10,512.4	764.5	823.9	655.9	168.00	4.905		
22,200.0	11,879.0	22,046.2	11,879.0	87.2	84.2	-90.00	10,612.4	764.2	824.0	654.6	169.41	4.864		
22,298.5	11,879.0	22,144.7	11,879.0	87.9	84.9	-90.00	10,710.9	764.0	824.0	653.2	170.80	4.824		
22,300.0	11,879.0	22,146.2	11,879.0	87.9	84.9	-90.00	10,712.4	764.0	824.0	653.2	170.82	4.824		
22,301.2	11,879.0	22,147.4	11,879.0	87.9	84.9	-90.00	10,713.6	764.0	824.0	653.2	170.84	4.823		
22,348.5	11,879.0	22,192.9	11,879.0	88.2	85.2	-90.00	10,759.2	763.8	824.0	652.5	171.48	4.805 SF		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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	-89.68	0.2	-30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	-89.68	0.2	-30.0	30.0	23.5	6.52	4.596	
200.0	200.0	200.0	200.0	3.2	3.2	-89.68	0.2	-30.0	30.0	23.2	6.76	4.433	
300.0	300.0	300.0	300.0	3.3	3.3	-89.68	0.2	-30.0	30.0	23.0	6.99	4.287	
400.0	400.0	400.0	400.0	3.4	3.4	-89.68	0.2	-30.0	30.0	22.8	7.21	4.154	
500.0	500.0	500.0	500.0	3.5	3.5	-89.68	0.2	-30.0	30.0	22.5	7.43	4.033	
600.0	600.0	600.0	600.0	3.7	3.7	-89.68	0.2	-30.0	30.0	22.3	7.64	3.923	
700.0	700.0	700.0	700.0	3.8	3.8	-89.68	0.2	-30.0	30.0	22.1	7.84	3.821	
800.0	800.0	800.0	800.0	3.9	3.9	-89.68	0.2	-30.0	30.0	21.9	8.04	3.727	
900.0	900.0	900.0	900.0	4.0	4.0	-89.68	0.2	-30.0	30.0	21.7	8.23	3.640	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	-89.68	0.2	-30.0	30.0	21.5	8.42	3.558 CC, ES	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	-171.18	0.2	-30.0	31.7	23.0	8.72	3.633	
1,200.0	1,199.8	1,199.9	1,199.9	4.5	4.4	-172.41	0.2	-30.0	36.9	27.9	9.02	4.088	
1,300.0	1,299.5	1,299.5	1,299.5	4.7	4.5	-173.84	0.2	-30.0	45.5	36.2	9.32	4.886	
1,400.0	1,398.7	1,398.7	1,398.7	4.9	4.6	-175.12	0.2	-30.0	57.7	48.0	9.61	5.998	
1,500.0	1,497.5	1,497.5	1,497.5	5.1	4.7	-176.14	0.2	-30.0	73.3	63.4	9.91	7.394	
1,600.0	1,595.6	1,597.8	1,597.8	5.3	4.9	-176.61	0.8	-28.9	91.2	80.9	10.27	8.882	
1,700.0	1,693.1	1,698.4	1,698.3	5.6	5.0	-176.44	2.7	-25.5	110.2	99.5	10.73	10.273	
1,750.0	1,741.5	1,748.8	1,748.6	5.6	5.1	-176.22	4.2	-23.0	120.1	109.2	10.90	11.019	
1,800.0	1,789.8	1,799.3	1,799.0	5.7	5.2	-175.93	6.0	-19.8	129.8	118.8	11.07	11.725	
1,900.0	1,886.4	1,902.2	1,901.5	6.0	5.3	-175.21	10.5	-11.4	147.3	135.8	11.45	12.863	
2,000.0	1,982.9	2,006.9	2,005.3	6.2	5.6	-174.61	15.4	0.9	161.3	149.2	12.01	13.422	
2,100.0	2,079.5	2,112.5	2,109.5	6.5	6.0	-174.09	20.5	17.2	171.6	159.0	12.63	13.583	
2,200.0	2,176.1	2,218.7	2,213.7	6.8	6.4	-173.60	26.0	37.4	178.2	164.9	13.30	13.406	
2,300.0	2,272.7	2,323.8	2,315.8	7.2	6.7	-173.12	31.6	61.0	181.3	167.3	13.99	12.960	
2,400.0	2,369.3	2,423.7	2,412.8	7.5	7.1	-172.66	37.1	84.6	183.3	168.6	14.69	12.478	
2,500.0	2,465.9	2,523.7	2,509.8	7.9	7.4	-172.22	42.5	108.1	185.3	169.9	15.42	12.016	
2,600.0	2,562.5	2,623.7	2,606.8	8.3	7.8	-171.78	48.0	131.7	187.3	171.2	16.18	11.579	
2,700.0	2,659.1	2,723.6	2,703.8	8.7	8.2	-171.35	53.4	155.3	189.4	172.4	16.96	11.167	
2,800.0	2,755.7	2,823.6	2,800.8	9.1	8.5	-170.93	58.9	178.8	191.4	173.6	17.75	10.780	
2,900.0	2,852.3	2,923.6	2,897.8	9.5	8.9	-170.53	64.3	202.4	193.5	174.9	18.57	10.419	
3,000.0	2,948.9	3,023.5	2,994.8	9.9	9.4	-170.12	69.7	226.0	195.5	176.1	19.39	10.081	
3,100.0	3,045.5	3,123.5	3,091.8	10.4	9.8	-169.73	75.2	249.5	197.6	177.3	20.23	9.766	
3,200.0	3,142.1	3,223.5	3,188.8	10.8	10.2	-169.35	80.6	273.1	199.7	178.6	21.08	9.472	
3,300.0	3,238.6	3,323.5	3,285.8	11.2	10.6	-168.97	86.1	296.7	201.7	179.8	21.93	9.198	
3,400.0	3,335.2	3,423.4	3,382.8	11.7	11.0	-168.60	91.5	320.2	203.8	181.0	22.80	8.942	
3,500.0	3,431.8	3,523.4	3,479.8	12.1	11.5	-168.24	96.9	343.8	205.9	182.3	23.66	8.703	
3,600.0	3,528.4	3,623.4	3,576.8	12.6	11.9	-167.89	102.4	367.3	208.1	183.5	24.54	8.480	
3,700.0	3,625.0	3,723.3	3,673.8	13.0	12.4	-167.54	107.8	390.9	210.2	184.8	25.41	8.270	
3,800.0	3,721.6	3,823.3	3,770.8	13.5	12.8	-167.20	113.3	414.5	212.3	186.0	26.29	8.074	
3,900.0	3,818.2	3,923.3	3,867.8	14.0	13.3	-166.87	118.7	438.0	214.4	187.3	27.18	7.890	
4,000.0	3,914.8	4,023.2	3,964.8	14.4	13.7	-166.54	124.1	461.6	216.6	188.5	28.06	7.718	
4,100.0	4,011.4	4,123.2	4,061.8	14.9	14.2	-166.22	129.6	485.2	218.7	189.8	28.95	7.555	
4,200.0	4,108.0	4,223.2	4,158.8	15.4	14.6	-165.91	135.0	508.7	220.9	191.0	29.84	7.402	
4,300.0	4,204.6	4,323.2	4,255.8	15.8	15.1	-165.60	140.5	532.3	223.1	192.3	30.73	7.258	
4,400.0	4,301.2	4,423.1	4,352.8	16.3	15.6	-165.30	145.9	555.9	225.2	193.6	31.62	7.122	
4,500.0	4,397.8	4,523.1	4,449.8	16.8	16.0	-165.00	151.3	579.4	227.4	194.9	32.52	6.993	
4,600.0	4,494.4	4,623.1	4,546.8	17.2	16.5	-164.71	156.8	603.0	229.6	196.2	33.41	6.872	
4,700.0	4,590.9	4,723.0	4,643.8	17.7	17.0	-164.43	162.2	626.6	231.8	197.5	34.30	6.756	
4,800.0	4,687.5	4,823.0	4,740.8	18.2	17.4	-164.15	167.7	650.1	234.0	198.8	35.20	6.647	
4,900.0	4,784.1	4,923.0	4,837.8	18.7	17.9	-163.87	173.1	673.7	236.2	200.1	36.09	6.544	
5,000.0	4,880.7	5,022.9	4,934.8	19.2	18.4	-163.60	178.5	697.3	238.4	201.4	36.98	6.445	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,977.3	5,122.9	5,031.8	19.6	18.9	-163.34	184.0	720.8	240.6	202.7	37.88	6.351	
5,200.0	5,073.9	5,222.9	5,128.8	20.1	19.3	-163.08	189.4	744.4	242.8	204.0	38.77	6.262	
5,300.0	5,170.5	5,322.8	5,225.8	20.6	19.8	-162.82	194.9	768.0	245.0	205.3	39.66	6.177	
5,400.0	5,267.1	5,422.8	5,322.8	21.1	20.3	-162.57	200.3	791.5	247.2	206.7	40.55	6.096	
5,500.0	5,363.7	5,522.8	5,419.8	21.6	20.8	-162.33	205.7	815.1	249.4	208.0	41.45	6.019	
5,600.0	5,460.3	5,622.8	5,516.8	22.1	21.2	-162.09	211.2	838.6	251.7	209.3	42.34	5.945	
5,700.0	5,556.9	5,722.7	5,613.8	22.5	21.7	-161.85	216.6	862.2	253.9	210.7	43.23	5.874	
5,800.0	5,653.5	5,822.7	5,710.8	23.0	22.2	-161.62	222.1	885.8	256.2	212.0	44.12	5.806	
5,900.0	5,750.1	5,922.7	5,807.8	23.5	22.7	-161.39	227.5	909.3	258.4	213.4	45.00	5.742	
6,000.0	5,846.6	6,022.6	5,904.8	24.0	23.1	-161.16	232.9	932.9	260.6	214.8	45.89	5.680	
6,100.0	5,943.2	6,122.6	6,001.8	24.5	23.6	-160.94	238.4	956.5	262.9	216.1	46.78	5.620	
6,200.0	6,039.8	6,222.6	6,098.8	25.0	24.1	-160.72	243.8	980.0	265.2	217.5	47.67	5.563	
6,300.0	6,136.4	6,322.5	6,195.8	25.5	24.6	-160.51	249.3	1,003.6	267.4	218.9	48.55	5.508	
6,400.0	6,233.0	6,422.5	6,292.8	26.0	25.1	-160.30	254.7	1,027.2	269.7	220.2	49.44	5.455	
6,500.0	6,329.6	6,522.5	6,389.8	26.4	25.6	-160.09	260.1	1,050.7	271.9	221.6	50.32	5.404	
6,600.0	6,426.2	6,622.5	6,486.8	26.9	26.0	-159.89	265.6	1,074.3	274.2	223.0	51.20	5.356	
6,700.0	6,522.8	6,722.4	6,583.8	27.4	26.5	-159.69	271.0	1,097.9	276.5	224.4	52.08	5.309	
6,800.0	6,619.4	6,821.5	6,680.0	27.9	27.0	-159.49	276.4	1,121.2	278.8	225.8	52.96	5.264	
6,900.0	6,716.0	6,914.1	6,770.1	28.4	27.4	-159.44	281.1	1,141.6	282.5	228.7	53.81	5.250	
7,000.0	6,812.6	7,005.5	6,859.8	28.9	27.9	-159.63	285.1	1,159.0	289.2	234.5	54.68	5.289	
7,100.0	6,909.2	7,100.0	6,953.0	29.4	28.3	-160.06	288.6	1,174.0	298.8	243.2	55.61	5.373	
7,194.0	7,000.0	7,181.5	7,033.8	29.8	28.7	-160.60	291.0	1,184.5	310.4	254.1	56.34	5.510	
7,200.0	7,005.8	7,186.9	7,039.1	29.9	28.7	-160.64	291.2	1,185.1	311.3	254.9	56.39	5.519	
7,300.0	7,102.8	7,276.7	7,128.5	30.4	29.1	-161.37	293.2	1,193.9	324.8	267.6	57.22	5.677	
7,400.0	7,200.7	7,366.1	7,217.7	30.9	29.4	-162.05	294.6	1,200.0	338.0	280.1	57.90	5.838	
7,500.0	7,299.2	7,455.3	7,306.8	31.4	29.7	-162.70	295.4	1,203.4	350.8	292.4	58.47	6.000	
7,600.0	7,398.2	7,546.7	7,398.3	31.8	29.9	-163.32	295.6	1,204.1	363.1	304.2	58.93	6.162	
7,700.0	7,497.7	7,646.2	7,497.7	32.2	29.9	-163.82	295.6	1,204.1	373.0	313.5	59.47	6.272	
7,800.0	7,597.5	7,746.0	7,597.5	32.6	29.9	-164.15	295.6	1,204.1	379.5	319.6	59.93	6.332	
7,900.0	7,697.4	7,845.9	7,697.4	32.9	29.9	-164.30	295.6	1,204.1	382.6	322.3	60.30	6.345	
7,944.0	7,741.5	7,890.0	7,741.5	33.0	30.0	-83.31	295.6	1,204.1	383.0	322.6	60.37	6.343	
8,000.0	7,797.4	7,945.9	7,797.4	33.0	30.0	-83.31	295.6	1,204.1	383.0	322.6	60.40	6.341	
8,100.0	7,897.4	8,045.9	7,897.4	33.0	30.0	-83.31	295.6	1,204.1	383.0	322.5	60.45	6.335	
8,200.0	7,997.4	8,145.9	7,997.4	33.0	30.0	-83.31	295.6	1,204.1	383.0	322.5	60.50	6.330	
8,300.0	8,097.4	8,245.9	8,097.4	33.0	30.1	-83.31	295.6	1,204.1	383.0	322.4	60.56	6.324	
8,400.0	8,197.4	8,345.9	8,197.4	33.1	30.1	-83.31	295.6	1,204.1	383.0	322.4	60.61	6.319	
8,500.0	8,297.4	8,445.9	8,297.4	33.1	30.1	-83.31	295.6	1,204.1	383.0	322.3	60.66	6.313	
8,600.0	8,397.4	8,545.9	8,397.4	33.1	30.2	-83.31	295.6	1,204.1	383.0	322.3	60.72	6.307	
8,700.0	8,497.4	8,645.9	8,497.4	33.1	30.2	-83.31	295.6	1,204.1	383.0	322.2	60.77	6.302	
8,800.0	8,597.4	8,745.9	8,597.4	33.2	30.2	-83.31	295.6	1,204.1	383.0	322.1	60.83	6.296	
8,900.0	8,697.4	8,845.9	8,697.4	33.2	30.3	-83.31	295.6	1,204.1	383.0	322.1	60.88	6.290	
9,000.0	8,797.4	8,945.9	8,797.4	33.2	30.3	-83.31	295.6	1,204.1	383.0	322.0	60.94	6.284	
9,100.0	8,897.4	9,045.9	8,897.4	33.2	30.3	-83.31	295.6	1,204.1	383.0	322.0	61.00	6.279	
9,200.0	8,997.4	9,145.9	8,997.4	33.3	30.3	-83.31	295.6	1,204.1	383.0	321.9	61.05	6.273	
9,300.0	9,097.4	9,245.9	9,097.4	33.3	30.4	-83.31	295.6	1,204.1	383.0	321.9	61.11	6.267	
9,400.0	9,197.4	9,345.9	9,197.4	33.3	30.4	-83.31	295.6	1,204.1	383.0	321.8	61.17	6.261	
9,500.0	9,297.4	9,445.9	9,297.4	33.3	30.4	-83.31	295.6	1,204.1	383.0	321.7	61.22	6.255	
9,600.0	9,397.4	9,545.9	9,397.4	33.4	30.5	-83.31	295.6	1,204.1	383.0	321.7	61.28	6.249	
9,700.0	9,497.4	9,645.9	9,497.4	33.4	30.5	-83.31	295.6	1,204.1	383.0	321.6	61.34	6.243	
9,800.0	9,597.4	9,745.9	9,597.4	33.4	30.5	-83.31	295.6	1,204.1	383.0	321.6	61.40	6.237	
9,900.0	9,697.4	9,845.9	9,697.4	33.5	30.6	-83.31	295.6	1,204.1	383.0	321.5	61.46	6.231	
10,000.0	9,797.4	9,945.9	9,797.4	33.5	30.6	-83.31	295.6	1,204.1	383.0	321.4	61.52	6.225	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	9,897.4	10,045.9	9,897.4	33.5	30.6	-83.31	295.6	1,204.1	383.0	321.4	61.58	6.219	
10,200.0	9,997.4	10,145.9	9,997.4	33.5	30.7	-83.31	295.6	1,204.1	383.0	321.3	61.64	6.213	
10,300.0	10,097.4	10,245.9	10,097.4	33.6	30.7	-83.31	295.6	1,204.1	383.0	321.3	61.70	6.207	
10,400.0	10,197.4	10,345.9	10,197.4	33.6	30.8	-83.31	295.6	1,204.1	383.0	321.2	61.76	6.201	
10,500.0	10,297.4	10,445.9	10,297.4	33.6	30.8	-83.31	295.6	1,204.1	383.0	321.1	61.82	6.195	
10,600.0	10,397.4	10,545.9	10,397.4	33.7	30.8	-83.31	295.6	1,204.1	383.0	321.1	61.89	6.188	
10,700.0	10,497.4	10,645.9	10,497.4	33.7	30.9	-83.31	295.6	1,204.1	383.0	321.0	61.95	6.182	
10,800.0	10,597.4	10,745.9	10,597.4	33.7	30.9	-83.31	295.6	1,204.1	383.0	321.0	62.01	6.176	
10,900.0	10,697.4	10,845.9	10,697.4	33.7	30.9	-83.31	295.6	1,204.1	383.0	320.9	62.07	6.170	
11,000.0	10,797.4	10,945.9	10,797.4	33.8	31.0	-83.31	295.6	1,204.1	383.0	320.8	62.14	6.163	
11,100.0	10,897.4	11,045.9	10,897.4	33.8	31.0	-83.31	295.6	1,204.1	383.0	320.8	62.20	6.157	
11,200.0	10,997.4	11,145.9	10,997.4	33.8	31.0	-83.31	295.6	1,204.1	383.0	320.7	62.26	6.151	
11,300.0	11,097.4	11,245.9	11,097.4	33.9	31.1	-83.31	295.6	1,204.1	383.0	320.6	62.32	6.145	
11,304.4	11,101.9	11,250.4	11,101.9	33.9	31.1	-83.31	295.6	1,204.1	383.0	320.6	62.33	6.145	
11,400.0	11,197.4	11,340.8	11,192.2	33.9	31.1	-82.83	298.8	1,204.1	383.4	321.3	62.11	6.173	
11,500.0	11,297.4	11,430.1	11,279.9	33.9	31.1	-80.41	315.2	1,204.1	386.2	325.0	61.19	6.312	
11,508.6	11,306.0	11,437.5	11,287.0	33.9	31.1	-80.12	317.2	1,204.1	386.6	325.5	61.07	6.331	
11,550.0	11,347.4	11,472.7	11,320.6	33.9	31.1	-81.03	327.8	1,204.1	388.8	328.3	60.49	6.428	
11,600.0	11,397.0	11,514.7	11,359.7	33.9	31.1	-79.20	343.1	1,204.0	392.0	332.1	59.80	6.554	
11,650.0	11,446.0	11,556.0	11,396.9	33.9	31.1	-77.46	361.0	1,204.0	395.5	336.3	59.15	6.686	
11,700.0	11,493.9	11,600.0	11,435.1	33.9	31.1	-75.73	382.9	1,203.9	399.3	340.7	58.57	6.817	
11,750.0	11,540.3	11,637.0	11,465.8	34.0	31.1	-74.31	403.5	1,203.8	403.3	345.3	58.00	6.953	
11,800.0	11,585.0	11,676.9	11,497.3	34.0	31.1	-72.91	427.9	1,203.8	407.4	349.9	57.55	7.080	
11,850.0	11,627.6	11,716.3	11,526.7	34.0	31.2	-71.65	454.2	1,203.7	411.6	354.4	57.17	7.199	
11,900.0	11,667.7	11,755.4	11,554.1	34.0	31.2	-70.51	482.1	1,203.6	415.7	358.8	56.89	7.307	
11,950.0	11,705.0	11,794.3	11,579.3	34.0	31.2	-69.51	511.7	1,203.6	419.7	363.0	56.70	7.403	
12,000.0	11,739.4	11,832.9	11,602.3	34.0	31.2	-68.64	542.6	1,203.5	423.6	367.0	56.60	7.484	
12,050.0	11,770.4	11,871.3	11,623.1	34.0	31.2	-67.91	574.9	1,203.4	427.2	370.6	56.58	7.551	
12,100.0	11,797.9	11,909.5	11,641.5	34.0	31.2	-67.31	608.4	1,203.3	430.6	373.9	56.63	7.602	
12,150.0	11,821.6	11,950.0	11,658.6	34.1	31.3	-66.85	645.1	1,203.2	433.6	376.9	56.74	7.641	
12,200.0	11,841.4	11,985.6	11,671.5	34.1	31.3	-66.53	678.3	1,203.1	436.3	379.3	56.96	7.659	
12,250.0	11,857.2	12,023.6	11,682.9	34.1	31.3	-66.34	714.5	1,203.0	438.6	381.4	57.22	7.665	
12,300.0	11,868.7	12,061.5	11,691.9	34.2	31.3	-66.28	751.4	1,202.9	440.5	383.0	57.53	7.657	
12,350.0	11,876.0	12,100.0	11,698.5	34.2	31.4	-66.35	789.3	1,202.8	442.1	384.2	57.89	7.637	
12,400.0	11,878.9	12,137.6	11,702.5	34.3	31.4	-66.55	826.6	1,202.7	443.2	384.9	58.30	7.603	
12,408.6	11,879.0	12,150.0	11,703.2	34.3	31.4	-66.65	839.0	1,202.7	443.5	385.2	58.30	7.607	
12,500.0	11,879.0	12,224.6	11,704.0	34.4	31.5	-66.86	913.6	1,202.5	445.4	386.5	58.88	7.565	
12,540.7	11,879.0	12,265.3	11,704.0	34.4	31.5	-66.88	954.3	1,202.4	445.7	386.7	59.01	7.553	
12,600.0	11,879.0	12,324.6	11,704.0	34.5	31.6	-66.88	1,013.6	1,202.2	445.7	386.5	59.20	7.529	
12,700.0	11,879.0	12,424.6	11,704.0	34.6	31.8	-66.88	1,113.6	1,201.9	445.7	386.1	59.56	7.483	
12,800.0	11,879.0	12,524.6	11,704.0	34.8	31.9	-66.88	1,213.6	1,201.7	445.7	385.8	59.96	7.434	
12,900.0	11,879.0	12,624.6	11,704.0	35.0	32.1	-66.88	1,313.6	1,201.4	445.7	385.3	60.39	7.381	
13,000.0	11,879.0	12,724.6	11,704.0	35.2	32.3	-66.88	1,413.6	1,201.1	445.8	384.9	60.86	7.325	
13,100.0	11,879.0	12,824.6	11,704.0	35.4	32.5	-66.88	1,513.6	1,200.8	445.8	384.4	61.36	7.265	
13,200.0	11,879.0	12,924.6	11,704.0	35.6	32.7	-66.88	1,613.6	1,200.6	445.8	383.9	61.89	7.203	
13,300.0	11,879.0	13,024.6	11,704.0	35.9	33.0	-66.88	1,713.6	1,200.3	445.8	383.4	62.46	7.138	
13,400.0	11,879.0	13,124.6	11,704.0	36.1	33.3	-66.89	1,813.6	1,200.0	445.8	382.8	63.06	7.070	
13,500.0	11,879.0	13,224.6	11,704.0	36.4	33.5	-66.89	1,913.6	1,199.8	445.9	382.2	63.69	7.001	
13,600.0	11,879.0	13,324.6	11,704.0	36.7	33.8	-66.89	2,013.6	1,199.5	445.9	381.5	64.35	6.929	
13,700.0	11,879.0	13,424.6	11,704.0	37.0	34.2	-66.89	2,113.6	1,199.2	445.9	380.9	65.03	6.856	
13,800.0	11,879.0	13,524.6	11,704.0	37.3	34.5	-66.89	2,213.6	1,199.0	445.9	380.2	65.75	6.782	
13,900.0	11,879.0	13,624.6	11,704.0	37.6	34.8	-66.89	2,313.6	1,198.7	445.9	379.4	66.49	6.707	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.0	11,879.0	13,724.6	11,704.0	38.0	35.2	-66.89	2,413.6	1,198.4	446.0	378.7	67.26	6.631	
14,100.0	11,879.0	13,824.6	11,704.0	38.4	35.6	-66.89	2,513.6	1,198.1	446.0	377.9	68.05	6.554	
14,200.0	11,879.0	13,924.6	11,704.0	38.7	35.9	-66.89	2,613.6	1,197.9	446.0	377.1	68.87	6.476	
14,300.0	11,879.0	14,024.6	11,704.0	39.1	36.4	-66.90	2,713.6	1,197.6	446.0	376.3	69.71	6.398	
14,400.0	11,879.0	14,124.6	11,704.0	39.5	36.8	-66.90	2,813.6	1,197.3	446.0	375.5	70.57	6.320	
14,500.0	11,879.0	14,224.6	11,704.0	39.9	37.2	-66.90	2,913.6	1,197.1	446.1	374.6	71.46	6.242	
14,600.0	11,879.0	14,324.6	11,704.0	40.3	37.6	-66.90	3,013.6	1,196.8	446.1	373.7	72.36	6.165	
14,700.0	11,879.0	14,424.6	11,704.0	40.8	38.1	-66.90	3,113.6	1,196.5	446.1	372.8	73.29	6.087	
14,800.0	11,879.0	14,524.6	11,704.0	41.2	38.5	-66.90	3,213.6	1,196.2	446.1	371.9	74.23	6.010	
14,900.0	11,879.0	14,624.6	11,704.0	41.6	39.0	-66.90	3,313.6	1,196.0	446.1	370.9	75.20	5.933	
15,000.0	11,879.0	14,724.6	11,704.0	42.1	39.5	-66.90	3,413.6	1,195.7	446.2	370.0	76.18	5.857	
15,100.0	11,879.0	14,824.6	11,704.0	42.6	40.0	-66.90	3,513.6	1,195.4	446.2	369.0	77.18	5.781	
15,200.0	11,879.0	14,924.6	11,704.0	43.0	40.5	-66.91	3,613.6	1,195.2	446.2	368.0	78.19	5.707	
15,300.0	11,879.0	15,024.6	11,704.0	43.5	41.0	-66.91	3,713.6	1,194.9	446.2	367.0	79.22	5.633	
15,400.0	11,879.0	15,124.6	11,704.0	44.0	41.5	-66.91	3,813.6	1,194.6	446.2	366.0	80.27	5.559	
15,500.0	11,879.0	15,224.6	11,704.0	44.5	42.0	-66.91	3,913.6	1,194.4	446.3	364.9	81.33	5.487	
15,600.0	11,879.0	15,324.6	11,704.0	45.0	42.5	-66.91	4,013.6	1,194.1	446.3	363.9	82.40	5.416	
15,700.0	11,879.0	15,424.6	11,704.0	45.5	43.1	-66.91	4,113.6	1,193.8	446.3	362.8	83.49	5.345	
15,800.0	11,879.0	15,524.6	11,704.0	46.1	43.6	-66.91	4,213.6	1,193.5	446.3	361.7	84.60	5.276	
15,900.0	11,879.0	15,624.6	11,704.0	46.6	44.2	-66.91	4,313.6	1,193.3	446.3	360.6	85.71	5.208	
16,000.0	11,879.0	15,724.6	11,704.0	47.1	44.7	-66.91	4,413.6	1,193.0	446.4	359.5	86.84	5.140	
16,100.0	11,879.0	15,824.6	11,704.0	47.7	45.3	-66.92	4,513.6	1,192.7	446.4	358.4	87.97	5.074	
16,200.0	11,879.0	15,924.6	11,704.0	48.2	45.9	-66.92	4,613.6	1,192.5	446.4	357.3	89.12	5.009	
16,300.0	11,879.0	16,024.6	11,704.0	48.8	46.4	-66.92	4,713.6	1,192.2	446.4	356.1	90.28	4.945	
16,400.0	11,879.0	16,124.6	11,704.0	49.3	47.0	-66.92	4,813.6	1,191.9	446.4	355.0	91.45	4.882	
16,500.0	11,879.0	16,224.6	11,704.0	49.9	47.6	-66.92	4,913.6	1,191.6	446.5	353.8	92.63	4.820	
16,600.0	11,879.0	16,324.6	11,704.0	50.5	48.2	-66.92	5,013.6	1,191.4	446.5	352.7	93.82	4.759	
16,700.0	11,879.0	16,424.6	11,704.0	51.0	48.8	-66.92	5,113.6	1,191.1	446.5	351.5	95.02	4.699	
16,800.0	11,879.0	16,524.6	11,704.0	51.6	49.4	-66.92	5,213.6	1,190.8	446.5	350.3	96.23	4.640	
16,900.0	11,879.0	16,624.6	11,704.0	52.2	50.0	-66.92	5,313.6	1,190.6	446.5	349.1	97.45	4.582	
17,000.0	11,879.0	16,724.6	11,704.0	52.8	50.6	-66.93	5,413.6	1,190.3	446.6	347.9	98.67	4.526	
17,100.0	11,879.0	16,824.6	11,704.0	53.4	51.2	-66.93	5,513.6	1,190.0	446.6	346.7	99.90	4.470	
17,200.0	11,879.0	16,924.6	11,704.0	54.0	51.8	-66.93	5,613.6	1,189.8	446.6	345.5	101.14	4.416	
17,300.0	11,879.0	17,024.6	11,704.0	54.6	52.5	-66.93	5,713.6	1,189.5	446.6	344.2	102.39	4.362	
17,400.0	11,879.0	17,124.6	11,704.0	55.2	53.1	-66.93	5,813.6	1,189.2	446.6	343.0	103.65	4.309	
17,500.0	11,879.0	17,224.6	11,704.0	55.8	53.7	-66.93	5,913.6	1,188.9	446.7	341.8	104.91	4.258	
17,600.0	11,879.0	17,324.6	11,704.0	56.4	54.4	-66.93	6,013.6	1,188.7	446.7	340.5	106.18	4.207	
17,700.0	11,879.0	17,424.6	11,704.0	57.0	55.0	-66.93	6,113.6	1,188.4	446.7	339.3	107.45	4.157	
17,800.0	11,879.0	17,524.6	11,704.0	57.6	55.6	-66.93	6,213.6	1,188.1	446.7	338.0	108.73	4.109	
17,900.0	11,879.0	17,624.6	11,704.0	58.3	56.3	-66.94	6,313.6	1,187.9	446.7	336.7	110.02	4.061	
18,000.0	11,879.0	17,724.6	11,704.0	58.9	56.9	-66.94	6,413.6	1,187.6	446.8	335.5	111.31	4.014	
18,100.0	11,879.0	17,824.6	11,704.0	59.5	57.6	-66.94	6,513.6	1,187.3	446.8	334.2	112.60	3.968	
18,200.0	11,879.0	17,924.6	11,704.0	60.1	58.2	-66.94	6,613.6	1,187.1	446.8	332.9	113.91	3.923	
18,300.0	11,879.0	18,024.6	11,704.0	60.8	58.9	-66.94	6,713.6	1,186.8	446.8	331.6	115.21	3.878	
18,400.0	11,879.0	18,124.6	11,704.0	61.4	59.5	-66.94	6,813.6	1,186.5	446.8	330.3	116.53	3.835	
18,500.0	11,879.0	18,224.6	11,704.0	62.1	60.2	-66.94	6,913.6	1,186.2	446.9	329.0	117.84	3.792	
18,600.0	11,879.0	18,324.6	11,704.0	62.7	60.8	-66.94	7,013.6	1,186.0	446.9	327.7	119.17	3.750	
18,700.0	11,879.0	18,424.6	11,704.0	63.4	61.5	-66.94	7,113.6	1,185.7	446.9	326.4	120.49	3.709	
18,800.0	11,879.0	18,524.6	11,704.0	64.0	62.2	-66.95	7,213.6	1,185.4	446.9	325.1	121.82	3.669	
18,900.0	11,879.0	18,624.6	11,704.0	64.7	62.8	-66.95	7,313.6	1,185.2	446.9	323.8	123.16	3.629	
19,000.0	11,879.0	18,724.6	11,704.0	65.3	63.5	-66.95	7,413.6	1,184.9	447.0	322.5	124.50	3.590	
19,100.0	11,879.0	18,824.6	11,704.0	66.0	64.2	-66.95	7,513.6	1,184.6	447.0	321.1	125.84	3.552	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #713H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11280-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				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		
19,200.0	11,879.0	18,924.6	11,704.0	66.6	64.9	-66.95	7,613.6	1,184.3	447.0	319.8	127.19	3.515		
19,300.0	11,879.0	19,024.6	11,704.0	67.3	65.5	-66.95	7,713.6	1,184.1	447.0	318.5	128.54	3.478		
19,400.0	11,879.0	19,124.6	11,704.0	67.9	66.2	-66.95	7,813.6	1,183.8	447.1	317.2	129.89	3.442		
19,500.0	11,879.0	19,224.6	11,704.0	68.6	66.9	-66.95	7,913.6	1,183.5	447.1	315.8	131.25	3.406		
19,600.0	11,879.0	19,324.6	11,704.0	69.3	67.6	-66.95	8,013.6	1,183.3	447.1	314.5	132.61	3.372		
19,700.0	11,879.0	19,424.6	11,704.0	69.9	68.3	-66.96	8,113.6	1,183.0	447.1	313.1	133.97	3.337		
19,800.0	11,879.0	19,524.6	11,704.0	70.6	68.9	-66.96	8,213.6	1,182.7	447.1	311.8	135.34	3.304		
19,900.0	11,879.0	19,624.6	11,704.0	71.3	69.6	-66.96	8,313.6	1,182.5	447.2	310.4	136.71	3.271		
20,000.0	11,879.0	19,724.6	11,704.0	72.0	70.3	-66.96	8,413.6	1,182.2	447.2	309.1	138.08	3.238		
20,100.0	11,879.0	19,824.6	11,704.0	72.6	71.0	-66.96	8,513.6	1,181.9	447.2	307.7	139.46	3.207		
20,200.0	11,879.0	19,924.6	11,704.0	73.3	71.7	-66.96	8,613.6	1,181.6	447.2	306.4	140.84	3.175		
20,300.0	11,879.0	20,024.6	11,704.0	74.0	72.4	-66.96	8,713.6	1,181.4	447.2	305.0	142.22	3.145		
20,400.0	11,879.0	20,124.6	11,704.0	74.7	73.1	-66.96	8,813.6	1,181.1	447.3	303.7	143.60	3.115		
20,500.0	11,879.0	20,224.6	11,704.0	75.4	73.8	-66.96	8,913.6	1,180.8	447.3	302.3	144.99	3.085		
20,600.0	11,879.0	20,324.6	11,704.0	76.0	74.5	-66.97	9,013.6	1,180.6	447.3	300.9	146.38	3.056		
20,700.0	11,879.0	20,424.6	11,704.0	76.7	75.2	-66.97	9,113.6	1,180.3	447.3	299.5	147.77	3.027		
20,800.0	11,879.0	20,524.6	11,704.0	77.4	75.9	-66.97	9,213.6	1,180.0	447.3	298.2	149.16	2.999		
20,900.0	11,879.0	20,624.6	11,704.0	78.1	76.6	-66.97	9,313.6	1,179.7	447.4	296.8	150.56	2.971		
21,000.0	11,879.0	20,724.6	11,704.0	78.8	77.3	-66.97	9,413.6	1,179.5	447.4	295.4	151.96	2.944		
21,100.0	11,879.0	20,824.6	11,704.0	79.5	78.0	-66.97	9,513.6	1,179.2	447.4	294.0	153.36	2.917		
21,200.0	11,879.0	20,924.6	11,704.0	80.2	78.7	-66.97	9,613.6	1,178.9	447.4	292.7	154.76	2.891		
21,300.0	11,879.0	21,024.6	11,704.0	80.9	79.4	-66.97	9,713.6	1,178.7	447.4	291.3	156.16	2.865		
21,400.0	11,879.0	21,124.6	11,704.0	81.6	80.1	-66.97	9,813.6	1,178.4	447.5	289.9	157.57	2.840		
21,500.0	11,879.0	21,224.6	11,704.0	82.3	80.8	-66.98	9,913.6	1,178.1	447.5	288.5	158.98	2.815		
21,600.0	11,879.0	21,324.6	11,704.0	83.0	81.5	-66.98	10,013.6	1,177.9	447.5	287.1	160.39	2.790		
21,700.0	11,879.0	21,424.6	11,704.0	83.7	82.2	-66.98	10,113.6	1,177.6	447.5	285.7	161.80	2.766		
21,800.0	11,879.0	21,524.6	11,704.0	84.4	82.9	-66.98	10,213.6	1,177.3	447.5	284.3	163.22	2.742		
21,900.0	11,879.0	21,624.6	11,704.0	85.1	83.7	-66.98	10,313.6	1,177.0	447.6	282.9	164.63	2.719		
22,000.0	11,879.0	21,724.6	11,704.0	85.8	84.4	-66.98	10,413.6	1,176.8	447.6	281.5	166.05	2.695		
22,100.0	11,879.0	21,824.6	11,704.0	86.5	85.1	-66.98	10,513.6	1,176.5	447.6	280.1	167.47	2.673		
22,200.0	11,879.0	21,924.6	11,704.0	87.2	85.8	-66.98	10,613.6	1,176.2	447.6	278.7	168.89	2.650		
22,298.5	11,879.0	22,023.1	11,704.0	87.9	86.5	-66.98	10,712.0	1,176.0	447.6	277.4	170.29	2.629		
22,300.0	11,879.0	22,024.6	11,704.0	87.9	86.5	-66.98	10,713.6	1,176.0	447.6	277.3	170.31	2.628		
22,302.4	11,879.0	22,027.0	11,704.0	87.9	86.5	-66.98	10,716.0	1,176.0	447.6	277.3	170.34	2.628		
22,348.5	11,879.0	22,072.2	11,704.0	88.2	86.8	-66.98	10,761.1	1,175.8	447.6	276.7	170.98	2.618 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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #759H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11161-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.8	2.8	3.0	3.0	-143.21	-199.2	-149.0	248.7				
100.0	100.0	102.8	102.8	3.0	3.0	-143.21	-199.2	-149.0	248.7	242.2	6.52	38.122	
200.0	200.0	202.8	202.8	3.2	3.2	-143.21	-199.2	-149.0	248.7	241.9	6.77	36.734	
300.0	300.0	302.8	302.8	3.3	3.3	-143.21	-199.2	-149.0	248.7	241.7	7.01	35.468	
400.0	400.0	402.8	402.8	3.4	3.4	-143.21	-199.2	-149.0	248.7	241.5	7.25	34.306	
500.0	500.0	502.8	502.8	3.5	3.6	-143.21	-199.2	-149.0	248.7	241.2	7.48	33.234	
600.0	600.0	602.8	602.8	3.7	3.7	-143.21	-199.2	-149.0	248.7	241.0	7.71	32.241	
700.0	700.0	702.8	702.8	3.8	3.8	-143.21	-199.2	-149.0	248.7	240.8	7.94	31.317	
800.0	800.0	802.8	802.8	3.9	3.9	-143.21	-199.2	-149.0	248.7	240.5	8.17	30.454	
900.0	900.0	902.8	902.8	4.0	4.0	-143.21	-199.2	-149.0	248.7	240.3	8.39	29.646	
1,000.0	1,000.0	1,002.8	1,002.8	4.2	4.2	-143.21	-199.2	-149.0	248.7	240.1	8.61	28.888 CC, ES	
1,100.0	1,100.0	1,102.8	1,102.8	4.3	4.3	136.05	-199.2	-149.0	250.0	241.1	8.89	28.132	
1,200.0	1,199.8	1,202.7	1,202.7	4.5	4.4	136.82	-199.2	-149.0	253.8	244.6	9.16	27.717	
1,300.0	1,299.5	1,302.3	1,302.3	4.7	4.5	138.05	-199.2	-149.0	260.2	250.8	9.42	27.609 SF	
1,400.0	1,398.7	1,401.6	1,401.6	4.9	4.6	139.65	-199.2	-149.0	269.4	259.7	9.69	27.790	
1,500.0	1,497.5	1,500.0	1,500.0	5.1	4.8	141.55	-199.2	-149.0	281.6	271.6	9.97	28.249	
1,600.0	1,595.6	1,596.8	1,596.8	5.3	4.9	143.92	-198.2	-150.3	297.1	286.8	10.26	28.970	
1,700.0	1,693.1	1,691.4	1,691.2	5.6	5.1	146.87	-195.4	-154.1	316.7	306.1	10.65	29.746	
1,750.0	1,741.5	1,737.7	1,737.5	5.6	5.2	148.49	-193.4	-156.9	328.3	317.5	10.80	30.408	
1,800.0	1,789.8	1,783.6	1,783.1	5.7	5.3	150.25	-190.9	-160.3	340.7	329.8	10.95	31.124	
1,900.0	1,886.4	1,875.0	1,873.9	6.0	5.5	153.75	-184.8	-168.7	367.2	355.9	11.28	32.543	
2,000.0	1,982.9	1,968.6	1,966.9	6.2	5.7	156.98	-178.1	-177.9	395.2	383.5	11.70	33.777	
2,100.0	2,079.5	2,062.3	2,059.8	6.5	5.9	159.79	-171.4	-187.2	424.3	412.1	12.17	34.859	
2,200.0	2,176.1	2,155.9	2,152.8	6.8	6.1	162.25	-164.7	-196.4	454.2	441.5	12.67	35.836	
2,300.0	2,272.7	2,249.6	2,245.7	7.2	6.4	164.41	-158.0	-205.6	484.8	471.6	13.21	36.707	
2,400.0	2,369.3	2,343.2	2,338.7	7.5	6.7	166.32	-151.3	-214.9	516.0	502.2	13.77	37.477	
2,500.0	2,465.9	2,436.8	2,431.6	7.9	7.0	168.02	-144.6	-224.1	547.7	533.3	14.35	38.154	
2,600.0	2,562.5	2,530.5	2,524.5	8.3	7.3	169.54	-137.9	-233.3	579.7	564.8	14.96	38.747	
2,700.0	2,659.1	2,624.1	2,617.5	8.7	7.6	170.89	-131.2	-242.6	612.1	596.5	15.59	39.265	
2,800.0	2,755.7	2,717.8	2,710.4	9.1	7.9	172.12	-124.5	-251.8	644.8	628.5	16.23	39.718	
2,900.0	2,852.3	2,811.4	2,803.4	9.5	8.2	173.22	-117.7	-261.0	677.7	660.8	16.89	40.114	
3,000.0	2,948.9	2,905.1	2,896.3	9.9	8.5	174.23	-111.0	-270.3	710.8	693.2	17.57	40.460	
3,100.0	3,045.5	2,998.7	2,989.3	10.4	8.9	175.15	-104.3	-279.5	744.1	725.9	18.25	40.763	
3,200.0	3,142.1	3,092.3	3,082.2	10.8	9.2	175.99	-97.6	-288.7	777.6	758.6	18.95	41.030	
3,300.0	3,238.6	3,186.0	3,175.2	11.2	9.6	176.76	-90.9	-298.0	811.2	791.5	19.66	41.263	
3,400.0	3,335.2	3,279.6	3,268.1	11.7	9.9	177.47	-84.2	-307.2	844.9	824.5	20.37	41.470	
3,500.0	3,431.8	3,373.3	3,361.0	12.1	10.3	178.13	-77.5	-316.4	878.7	857.6	21.10	41.652	
3,600.0	3,528.4	3,466.9	3,454.0	12.6	10.6	178.73	-70.8	-325.7	912.6	890.8	21.83	41.813	
3,700.0	3,625.0	3,560.6	3,546.9	13.0	11.0	179.30	-64.1	-334.9	946.6	924.1	22.56	41.956	
3,800.0	3,721.6	3,654.2	3,639.9	13.5	11.3	179.82	-57.4	-344.1	980.7	957.4	23.30	42.083	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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	1.9	1.9	3.0	3.0	-149.15	-199.3	-119.0	232.2				
100.0	100.0	101.9	101.9	3.0	3.0	-149.15	-199.3	-119.0	232.2	225.7	6.52	35.592	
200.0	200.0	201.9	201.9	3.2	3.2	-149.15	-199.3	-119.0	232.2	225.4	6.77	34.292	
300.0	300.0	301.9	301.9	3.3	3.3	-149.15	-199.3	-119.0	232.2	225.2	7.01	33.103	
400.0	400.0	401.9	401.9	3.4	3.4	-149.15	-199.3	-119.0	232.2	224.9	7.25	32.010	
500.0	500.0	501.9	501.9	3.5	3.5	-149.15	-199.3	-119.0	232.2	224.7	7.49	30.999	
600.0	600.0	601.9	601.9	3.7	3.7	-149.15	-199.3	-119.0	232.2	224.5	7.72	30.061	
700.0	700.0	701.9	701.9	3.8	3.8	-149.15	-199.3	-119.0	232.2	224.2	7.95	29.187	
800.0	800.0	801.9	801.9	3.9	3.9	-149.15	-199.3	-119.0	232.2	224.0	8.18	28.371	
900.0	900.0	901.9	901.9	4.0	4.0	-149.15	-199.3	-119.0	232.2	223.8	8.41	27.606	
1,000.0	1,000.0	1,001.9	1,001.9	4.2	4.2	-149.15	-199.3	-119.0	232.2	223.5	8.64	26.887 CC, ES	
1,100.0	1,100.0	1,101.9	1,101.9	4.3	4.3	130.16	-199.3	-119.0	233.3	224.4	8.90	26.207	
1,200.0	1,199.8	1,201.8	1,201.8	4.5	4.4	131.07	-199.3	-119.0	236.7	227.6	9.16	25.835	
1,300.0	1,299.5	1,301.4	1,301.4	4.7	4.5	132.54	-199.3	-119.0	242.5	233.1	9.42	25.740 SF	
1,400.0	1,398.7	1,400.6	1,400.6	4.9	4.6	134.46	-199.3	-119.0	251.0	241.3	9.69	25.911	
1,500.0	1,497.5	1,499.4	1,499.4	5.1	4.8	136.73	-199.3	-119.0	262.2	252.3	9.95	26.344	
1,600.0	1,595.6	1,604.9	1,604.9	5.3	5.0	139.71	-197.4	-119.1	275.2	264.9	10.29	26.737	
1,700.0	1,693.1	1,709.6	1,709.4	5.6	5.2	143.37	-191.7	-119.4	289.1	278.4	10.74	26.926	
1,750.0	1,741.5	1,761.5	1,761.1	5.6	5.4	145.40	-187.4	-119.5	296.7	285.8	10.91	27.202	
1,800.0	1,789.8	1,813.2	1,812.6	5.7	5.5	147.58	-182.3	-119.7	304.4	293.3	11.08	27.481	
1,900.0	1,886.4	1,915.1	1,913.6	6.0	5.8	151.95	-169.4	-120.3	319.5	308.0	11.50	27.774	
2,000.0	1,982.9	2,011.2	2,008.8	6.2	6.1	155.87	-156.0	-120.8	335.4	323.5	11.93	28.124	
2,100.0	2,079.5	2,107.2	2,103.9	6.5	6.3	159.43	-142.7	-121.3	352.8	340.5	12.38	28.505	
2,200.0	2,176.1	2,203.3	2,199.0	6.8	6.6	162.66	-129.3	-121.9	371.5	358.7	12.85	28.905	
2,300.0	2,272.7	2,299.4	2,294.2	7.2	6.8	165.59	-115.9	-122.4	391.3	377.9	13.35	29.312	
2,400.0	2,369.3	2,395.4	2,389.3	7.5	7.1	168.24	-102.6	-122.9	412.0	398.1	13.86	29.718	
2,500.0	2,465.9	2,491.5	2,484.5	7.9	7.4	170.64	-89.2	-123.5	433.5	419.1	14.39	30.117	
2,600.0	2,562.5	2,587.6	2,579.6	8.3	7.7	172.81	-75.9	-124.0	455.6	440.7	14.94	30.506	
2,700.0	2,659.1	2,683.7	2,674.7	8.7	8.1	174.79	-62.5	-124.5	478.4	462.9	15.49	30.881	
2,800.0	2,755.7	2,779.7	2,769.9	9.1	8.4	176.59	-49.1	-125.1	501.6	485.5	16.06	31.242	
2,900.0	2,852.3	2,875.8	2,865.0	9.5	8.7	178.24	-35.8	-125.6	525.3	508.6	16.63	31.586	
3,000.0	2,948.9	2,971.9	2,960.2	9.9	9.1	179.74	-22.4	-126.2	549.3	532.1	17.21	31.915	
3,100.0	3,045.5	3,068.0	3,055.3	10.4	9.4	-178.88	-9.1	-126.7	573.7	555.9	17.80	32.227	
3,200.0	3,142.1	3,164.0	3,150.4	10.8	9.8	-177.61	4.3	-127.2	598.4	580.0	18.40	32.523	
3,300.0	3,238.6	3,260.1	3,245.6	11.2	10.1	-176.44	17.7	-127.8	623.4	604.4	19.00	32.803	
3,400.0	3,335.2	3,356.2	3,340.7	11.7	10.5	-175.37	31.0	-128.3	648.5	628.9	19.59	33.099	
3,500.0	3,431.8	3,452.0	3,435.7	12.1	10.8	-174.42	43.7	-128.8	673.9	653.7	20.19	33.387	
3,600.0	3,528.4	3,548.1	3,531.2	12.6	11.2	-173.69	54.8	-129.3	699.5	678.7	20.81	33.621	
3,700.0	3,625.0	3,644.5	3,627.0	13.0	11.5	-173.13	64.4	-129.6	725.2	703.7	21.43	33.837	
3,800.0	3,721.6	3,741.0	3,723.2	13.5	11.9	-172.73	72.3	-130.0	750.9	728.8	22.06	34.035	
3,900.0	3,818.2	3,837.7	3,819.7	14.0	12.2	-172.49	78.7	-130.2	776.6	753.9	22.70	34.216	
4,000.0	3,914.8	3,934.5	3,916.4	14.4	12.5	-172.38	83.4	-130.4	802.3	779.0	23.34	34.380	
4,100.0	4,011.4	4,031.3	4,013.1	14.9	12.8	-172.40	86.5	-130.5	828.0	804.0	23.98	34.530	
4,200.0	4,108.0	4,128.0	4,109.9	15.4	13.0	-172.53	87.9	-130.6	853.7	829.1	24.62	34.676	
4,300.0	4,204.6	4,224.7	4,206.5	15.8	13.1	-172.74	88.0	-130.6	879.4	854.2	25.25	34.834	
4,400.0	4,301.2	4,321.3	4,303.1	16.3	13.2	-172.95	88.0	-130.6	905.1	879.2	25.90	34.948	
4,500.0	4,397.8	4,417.9	4,399.7	16.8	13.2	-173.14	88.0	-130.6	930.8	904.2	26.55	35.054	
4,600.0	4,494.4	4,514.4	4,496.3	17.2	13.3	-173.33	88.0	-130.6	956.5	929.3	27.21	35.151	
4,700.0	4,590.9	4,611.0	4,592.9	17.7	13.4	-173.50	88.0	-130.6	982.2	954.4	27.87	35.241	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.7	1.7	3.0	3.0	-155.98	-199.5	-88.9	218.4				
100.0	100.0	101.7	101.7	3.0	3.0	-155.98	-199.5	-88.9	218.4	211.9	6.52	33.484	
200.0	200.0	201.7	201.7	3.2	3.2	-155.98	-199.5	-88.9	218.4	211.7	6.77	32.257	
300.0	300.0	301.7	301.7	3.3	3.3	-155.98	-199.5	-88.9	218.4	211.4	7.02	31.132	
400.0	400.0	401.7	401.7	3.4	3.4	-155.98	-199.5	-88.9	218.4	211.2	7.26	30.095	
500.0	500.0	501.7	501.7	3.5	3.5	-155.98	-199.5	-88.9	218.4	210.9	7.50	29.135	
600.0	600.0	601.7	601.7	3.7	3.7	-155.98	-199.5	-88.9	218.4	210.7	7.73	28.243	
700.0	700.0	701.7	701.7	3.8	3.8	-155.98	-199.5	-88.9	218.4	210.5	7.97	27.410	
800.0	800.0	801.7	801.7	3.9	3.9	-155.98	-199.5	-88.9	218.4	210.2	8.20	26.632	
900.0	900.0	901.7	901.7	4.0	4.0	-155.98	-199.5	-88.9	218.4	210.0	8.43	25.902	
1,000.0	1,000.0	1,001.7	1,001.7	4.2	4.2	-155.98	-199.5	-88.9	218.4	209.8	8.66	25.215 CC, ES	
1,100.0	1,100.0	1,101.6	1,101.6	4.3	4.3	123.38	-199.5	-88.9	219.4	210.5	8.92	24.598	
1,200.0	1,199.8	1,201.5	1,201.5	4.5	4.4	124.46	-199.5	-88.9	222.3	213.1	9.17	24.250	
1,300.0	1,299.5	1,301.1	1,301.1	4.7	4.5	126.19	-199.5	-88.9	227.4	217.9	9.42	24.143	
1,400.0	1,398.7	1,400.4	1,400.4	4.9	4.6	128.46	-199.5	-88.9	234.8	225.1	9.67	24.275	
1,500.0	1,497.5	1,499.1	1,499.1	5.1	4.7	131.15	-199.5	-88.9	244.9	235.0	9.93	24.653	
1,600.0	1,595.6	1,604.3	1,604.3	5.3	4.9	134.39	-198.3	-88.2	256.6	246.4	10.25	25.037	
1,700.0	1,693.1	1,709.4	1,709.3	5.6	5.1	137.94	-194.6	-86.0	269.0	258.3	10.69	25.151	
1,750.0	1,741.5	1,761.9	1,761.7	5.6	5.2	139.82	-191.7	-84.4	275.5	264.6	10.87	25.335	
1,800.0	1,789.8	1,814.4	1,814.0	5.7	5.3	141.77	-188.3	-82.4	282.0	270.9	11.06	25.492	
1,900.0	1,886.4	1,919.8	1,919.8	6.0	5.6	145.53	-179.6	-77.4	293.8	282.3	11.55	25.446	
2,000.0	1,982.9	2,025.5	2,023.8	6.2	5.8	149.18	-168.3	-70.9	304.1	292.1	12.05	25.248	
2,100.0	2,079.5	2,125.1	2,122.5	6.5	6.1	152.22	-157.3	-62.9	313.9	301.3	12.55	25.004	
2,200.0	2,176.1	2,225.2	2,221.7	6.8	6.3	154.48	-148.9	-52.6	323.9	310.8	13.13	24.673	
2,300.0	2,272.7	2,325.0	2,320.5	7.2	6.5	156.11	-142.6	-40.3	333.9	320.2	13.71	24.358	
2,400.0	2,369.3	2,424.1	2,418.7	7.5	6.8	157.59	-136.5	-27.9	344.1	329.7	14.37	23.948	
2,500.0	2,465.9	2,523.2	2,516.8	7.9	7.1	158.98	-130.5	-15.5	354.5	339.4	15.06	23.542	
2,600.0	2,562.5	2,622.3	2,614.9	8.3	7.4	160.29	-124.4	-3.1	365.1	349.3	15.77	23.146	
2,700.0	2,659.1	2,721.3	2,713.0	8.7	7.7	161.53	-118.4	9.3	375.8	359.3	16.51	22.765	
2,800.0	2,755.7	2,820.4	2,811.2	9.1	8.0	162.69	-112.4	21.7	386.8	369.5	17.27	22.401	
2,900.0	2,852.3	2,919.5	2,909.3	9.5	8.4	163.80	-106.3	34.1	397.9	379.8	18.04	22.057	
3,000.0	2,948.9	3,018.6	3,007.4	9.9	8.7	164.84	-100.3	46.5	409.1	390.3	18.83	21.731	
3,100.0	3,045.5	3,117.7	3,105.6	10.4	9.1	165.83	-94.2	58.9	420.5	400.8	19.62	21.426	
3,200.0	3,142.1	3,216.8	3,203.7	10.8	9.5	166.76	-88.2	71.3	431.9	411.5	20.43	21.139	
3,300.0	3,238.6	3,315.9	3,301.8	11.2	9.8	167.65	-82.1	83.7	443.5	422.3	21.25	20.871	
3,400.0	3,335.2	3,415.0	3,400.0	11.7	10.2	168.49	-76.1	96.1	455.2	433.1	22.08	20.620	
3,500.0	3,431.8	3,514.1	3,498.1	12.1	10.6	169.29	-70.0	108.4	467.0	444.1	22.91	20.385	
3,600.0	3,528.4	3,613.2	3,596.2	12.6	11.0	170.06	-64.0	120.8	478.8	455.1	23.74	20.166	
3,700.0	3,625.0	3,712.3	3,694.4	13.0	11.4	170.78	-57.9	133.2	490.8	466.2	24.59	19.962	
3,800.0	3,721.6	3,811.4	3,792.5	13.5	11.7	171.47	-51.9	145.6	502.8	477.4	25.43	19.770	
3,900.0	3,818.2	3,910.5	3,890.6	14.0	12.1	172.13	-45.8	158.0	514.9	488.6	26.28	19.591	
4,000.0	3,914.8	4,009.6	3,988.8	14.4	12.5	172.75	-39.8	170.4	527.0	499.9	27.13	19.423	
4,100.0	4,011.4	4,108.7	4,086.9	14.9	12.9	173.35	-33.8	182.8	539.2	511.2	27.99	19.266	
4,200.0	4,108.0	4,207.8	4,185.0	15.4	13.3	173.93	-27.7	195.2	551.5	522.7	28.85	19.119	
4,300.0	4,204.6	4,306.9	4,283.2	15.8	13.7	174.47	-21.7	207.6	563.8	534.1	29.70	18.981	
4,400.0	4,301.2	4,406.0	4,381.3	16.3	14.1	175.00	-15.6	220.0	576.2	545.6	30.56	18.852	
4,500.0	4,397.8	4,505.1	4,479.4	16.8	14.5	175.50	-9.6	232.4	588.6	557.2	31.43	18.730	
4,600.0	4,494.4	4,604.2	4,577.6	17.2	14.9	175.98	-3.5	244.8	601.0	568.8	32.29	18.615	
4,700.0	4,590.9	4,703.3	4,675.7	17.7	15.4	176.44	2.5	257.2	613.5	580.4	33.15	18.507	
4,800.0	4,687.5	4,800.0	4,771.5	18.2	15.7	176.88	8.4	269.3	626.1	592.1	34.00	18.416	
4,900.0	4,784.1	4,882.8	4,853.6	18.7	16.2	177.21	12.9	278.5	640.2	605.3	34.83	18.380 SF	
5,000.0	4,880.7	4,963.6	4,934.1	19.2	16.5	177.47	16.3	285.4	657.0	621.4	35.55	18.479	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #761H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11162-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,977.3	5,043.6	5,013.9	19.6	16.8	177.66	18.6	290.2	676.5	640.3	36.22	18.679	
5,200.0	5,073.9	5,122.7	5,093.0	20.1	17.1	177.80	20.0	293.1	698.7	661.9	36.81	18.981	
5,300.0	5,170.5	5,202.0	5,172.2	20.6	17.2	177.88	20.4	293.9	723.4	686.1	37.30	19.396	
5,400.0	5,267.1	5,298.6	5,268.8	21.1	17.3	177.96	20.4	293.9	749.3	711.3	37.94	19.748	
5,500.0	5,363.7	5,395.1	5,365.4	21.6	17.4	178.02	20.4	293.9	775.1	736.6	38.51	20.126	
5,600.0	5,460.3	5,491.7	5,461.9	22.1	17.4	178.09	20.4	293.9	801.0	761.9	39.09	20.491	
5,700.0	5,556.9	5,588.3	5,558.5	22.5	17.5	178.15	20.4	293.9	826.9	787.2	39.67	20.844	
5,800.0	5,653.5	5,684.9	5,655.1	23.0	17.5	178.20	20.4	293.9	852.7	812.5	40.25	21.183	
5,900.0	5,750.1	5,781.5	5,751.7	23.5	17.6	178.26	20.4	293.9	878.6	837.8	40.84	21.512	
6,000.0	5,846.6	5,878.1	5,848.3	24.0	17.6	178.31	20.4	293.9	904.5	863.0	41.44	21.828	
6,100.0	5,943.2	5,974.7	5,944.9	24.5	17.7	178.35	20.4	293.9	930.3	888.3	42.03	22.134	
6,200.0	6,039.8	6,071.3	6,041.5	25.0	17.7	178.40	20.4	293.9	956.2	913.6	42.63	22.430	
6,300.0	6,136.4	6,167.9	6,138.1	25.5	17.8	178.44	20.4	293.9	982.1	938.9	43.23	22.715	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #762H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11386-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	3.0	3.0	-163.55	-199.7	-59.0	208.2				
100.0	100.0	102.0	102.0	3.0	3.0	-163.55	-199.7	-59.0	208.2	201.7	6.52	31.916	
200.0	200.0	202.0	202.0	3.2	3.2	-163.55	-199.7	-59.0	208.2	201.4	6.77	30.743	
300.0	300.0	302.0	302.0	3.3	3.3	-163.55	-199.7	-59.0	208.2	201.2	7.02	29.665	
400.0	400.0	402.0	402.0	3.4	3.4	-163.55	-199.7	-59.0	208.2	201.0	7.26	28.670	
500.0	500.0	502.0	502.0	3.5	3.5	-163.55	-199.7	-59.0	208.2	200.7	7.50	27.747	
600.0	600.0	602.0	602.0	3.7	3.7	-163.55	-199.7	-59.0	208.2	200.5	7.74	26.888	
700.0	700.0	702.0	702.0	3.8	3.8	-163.55	-199.7	-59.0	208.2	200.2	7.98	26.086	
800.0	800.0	802.0	802.0	3.9	3.9	-163.55	-199.7	-59.0	208.2	200.0	8.22	25.336	
900.0	900.0	902.0	902.0	4.0	4.0	-163.55	-199.7	-59.0	208.2	199.8	8.45	24.631	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	-163.55	-199.7	-59.0	208.2	199.5	8.69	23.969 CC, ES	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	115.87	-199.7	-59.0	209.0	200.0	8.93	23.395	
1,200.0	1,199.8	1,201.8	1,201.8	4.5	4.4	117.11	-199.7	-59.0	211.3	202.1	9.17	23.047	
1,300.0	1,299.5	1,301.4	1,301.4	4.7	4.5	119.09	-199.7	-59.0	215.4	206.0	9.41	22.899	
1,400.0	1,398.7	1,400.7	1,400.7	4.9	4.6	121.73	-199.7	-59.0	221.6	212.0	9.65	22.961	
1,500.0	1,497.5	1,499.4	1,499.4	5.1	4.8	124.87	-199.7	-59.0	230.3	220.4	9.91	23.247	
1,600.0	1,595.6	1,603.9	1,603.9	5.3	4.9	128.52	-198.7	-58.0	240.5	230.3	10.21	23.563	
1,700.0	1,693.1	1,708.6	1,708.5	5.6	5.1	132.33	-195.7	-55.0	251.3	240.7	10.65	23.606	
1,750.0	1,741.5	1,761.0	1,760.8	5.6	5.2	134.28	-193.4	-52.7	257.0	246.2	10.83	23.736	
1,800.0	1,789.8	1,813.4	1,813.1	5.7	5.3	136.28	-190.6	-49.9	262.7	251.6	11.02	23.836	
1,900.0	1,886.4	1,918.9	1,918.1	6.0	5.5	140.00	-183.5	-42.8	272.7	261.1	11.51	23.678	
2,000.0	1,982.9	2,025.1	2,023.4	6.2	5.8	143.45	-174.2	-33.5	280.9	268.8	12.03	23.346	
2,100.0	2,079.5	2,128.6	2,125.8	6.5	6.0	146.34	-164.6	-21.8	287.7	275.1	12.56	22.904	
2,200.0	2,176.1	2,232.9	2,228.6	6.8	6.3	148.47	-156.2	-6.6	293.3	280.2	13.19	22.248	
2,300.0	2,272.7	2,337.9	2,331.7	7.2	6.6	149.90	-149.0	12.4	297.5	283.7	13.82	21.531	
2,400.0	2,369.3	2,438.0	2,429.6	7.5	6.9	150.89	-143.0	32.3	300.8	286.4	14.46	20.797	
2,500.0	2,465.9	2,537.8	2,527.2	7.9	7.2	151.86	-136.9	52.1	304.2	289.0	15.18	20.042	
2,600.0	2,562.5	2,637.6	2,624.8	8.3	7.6	152.82	-130.8	72.0	307.7	291.8	15.92	19.325	
2,700.0	2,659.1	2,737.4	2,722.5	8.7	7.9	153.74	-124.8	91.8	311.2	294.5	16.69	18.647	
2,800.0	2,755.7	2,837.2	2,820.1	9.1	8.3	154.65	-118.7	111.7	314.9	297.4	17.48	18.009	
2,900.0	2,852.3	2,937.0	2,917.7	9.5	8.7	155.54	-112.6	131.5	318.6	300.3	18.30	17.411	
3,000.0	2,948.9	3,036.8	3,015.4	9.9	9.1	156.41	-106.6	151.3	322.4	303.2	19.13	16.851	
3,100.0	3,045.5	3,136.7	3,113.0	10.4	9.5	157.25	-100.5	171.2	326.2	306.2	19.98	16.329	
3,200.0	3,142.1	3,236.5	3,210.6	10.8	9.9	158.08	-94.4	191.0	330.1	309.3	20.84	15.841	
3,300.0	3,238.6	3,336.3	3,308.2	11.2	10.3	158.89	-88.4	210.9	334.1	312.4	21.72	15.386	
3,400.0	3,335.2	3,436.1	3,405.9	11.7	10.7	159.67	-82.3	230.7	338.2	315.6	22.60	14.962	
3,500.0	3,431.8	3,535.9	3,503.5	12.1	11.1	160.44	-76.2	250.6	342.3	318.8	23.50	14.566	
3,600.0	3,528.4	3,635.7	3,601.1	12.6	11.6	161.19	-70.2	270.4	346.5	322.1	24.41	14.197	
3,700.0	3,625.0	3,735.5	3,698.8	13.0	12.0	161.93	-64.1	290.3	350.7	325.4	25.32	13.852	
3,800.0	3,721.6	3,835.3	3,796.4	13.5	12.4	162.64	-58.0	310.1	355.0	328.8	26.24	13.530	
3,900.0	3,818.2	3,935.1	3,894.0	14.0	12.9	163.34	-52.0	330.0	359.4	332.2	27.17	13.228	
4,000.0	3,914.8	4,034.9	3,991.6	14.4	13.3	164.02	-45.9	349.8	363.8	335.7	28.10	12.946	
4,100.0	4,011.4	4,134.8	4,089.3	14.9	13.7	164.69	-39.8	369.6	368.2	339.2	29.04	12.682	
4,200.0	4,108.0	4,234.6	4,186.9	15.4	14.2	165.33	-33.8	389.5	372.7	342.8	29.98	12.434	
4,300.0	4,204.6	4,334.4	4,284.5	15.8	14.6	165.97	-27.7	409.3	377.3	346.4	30.92	12.202	
4,400.0	4,301.2	4,434.2	4,382.2	16.3	15.1	166.59	-21.6	429.2	381.9	350.0	31.87	11.983	
4,500.0	4,397.8	4,534.0	4,479.8	16.8	15.5	167.19	-15.6	449.0	386.5	353.7	32.82	11.777	
4,600.0	4,494.4	4,633.8	4,577.4	17.2	16.0	167.78	-9.5	468.9	391.2	357.4	33.77	11.584	
4,700.0	4,590.9	4,733.6	4,675.1	17.7	16.4	168.35	-3.4	488.7	395.9	361.2	34.72	11.402	
4,800.0	4,687.5	4,833.4	4,772.7	18.2	16.9	168.92	2.6	508.6	400.7	365.0	35.68	11.230	
4,900.0	4,784.1	4,933.2	4,870.3	18.7	17.3	169.46	8.7	528.4	405.5	368.8	36.63	11.068	
5,000.0	4,880.7	5,033.1	4,967.9	19.2	17.8	170.00	14.8	548.2	410.3	372.7	37.59	10.914	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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		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	
5,100.0	4,977.3	5,132.9	5,065.6	19.6	18.3	170.52	20.9	568.1	415.1	376.6	38.55	10.769	
5,200.0	5,073.9	5,232.7	5,163.2	20.1	18.7	171.03	26.9	587.9	420.0	380.5	39.51	10.632	
5,300.0	5,170.5	5,329.5	5,258.0	20.6	19.2	171.52	32.8	607.1	425.1	384.7	40.45	10.511	
5,400.0	5,267.1	5,422.3	5,349.0	21.1	19.6	171.97	38.0	624.2	431.6	390.2	41.37	10.434	
5,500.0	5,363.7	5,514.9	5,440.1	21.6	20.0	172.41	42.8	639.9	439.7	397.4	42.25	10.407 SF	
5,600.0	5,460.3	5,607.2	5,531.2	22.1	20.4	172.83	47.2	654.1	449.4	406.3	43.11	10.425	
5,700.0	5,556.9	5,700.0	5,623.0	22.5	20.8	173.24	51.1	667.0	460.8	416.8	43.96	10.481	
5,800.0	5,653.5	5,790.8	5,713.1	23.0	21.2	173.61	54.5	678.3	473.8	429.0	44.77	10.582	
5,900.0	5,750.1	5,882.0	5,803.7	23.5	21.6	173.96	57.6	688.2	488.4	442.8	45.57	10.718	
6,000.0	5,846.6	5,972.8	5,894.0	24.0	21.9	174.28	60.2	696.7	504.5	458.2	46.33	10.889	
6,100.0	5,943.2	6,063.1	5,984.0	24.5	22.3	174.58	62.4	703.8	522.3	475.2	47.08	11.094	
6,200.0	6,039.8	6,152.9	6,073.6	25.0	22.6	174.84	64.1	709.5	541.6	493.8	47.79	11.332	
6,300.0	6,136.4	6,242.1	6,162.7	25.5	22.9	175.08	65.4	713.9	562.4	513.9	48.47	11.603	
6,400.0	6,233.0	6,330.7	6,251.2	26.0	23.2	175.30	66.3	716.9	584.8	535.6	49.12	11.906	
6,500.0	6,329.6	6,418.6	6,339.1	26.4	23.4	175.49	66.9	718.6	608.6	558.9	49.71	12.245	
6,600.0	6,426.2	6,507.7	6,428.2	26.9	23.5	175.66	67.0	719.0	633.9	583.7	50.20	12.628	
6,700.0	6,522.8	6,604.2	6,524.8	27.4	23.5	175.83	67.0	719.0	659.8	609.0	50.76	12.996	
6,800.0	6,619.4	6,700.8	6,621.4	27.9	23.6	175.99	67.0	719.0	685.6	634.3	51.32	13.360	
6,900.0	6,716.0	6,797.4	6,718.0	28.4	23.6	176.14	67.0	719.0	711.4	659.5	51.87	13.715	
7,000.0	6,812.6	6,894.0	6,814.6	28.9	23.7	176.27	67.0	719.0	737.2	684.8	52.43	14.062	
7,100.0	6,909.2	6,990.6	6,911.1	29.4	23.7	176.40	67.0	719.0	763.1	710.1	52.99	14.400	
7,194.0	7,000.0	7,081.5	7,002.0	29.8	23.7	176.51	67.0	719.0	787.4	733.8	53.52	14.712	
7,200.0	7,005.8	7,087.2	7,007.7	29.9	23.7	176.52	67.0	719.0	788.9	735.3	53.55	14.731	
7,300.0	7,102.8	7,184.3	7,104.8	30.4	23.8	176.65	67.0	719.0	812.8	758.7	54.16	15.009	
7,400.0	7,200.7	7,282.1	7,202.7	30.9	23.8	176.76	67.0	719.0	833.4	778.7	54.72	15.230	
7,500.0	7,299.2	7,380.7	7,301.2	31.4	23.8	176.84	67.0	719.0	850.5	795.3	55.27	15.389	
7,600.0	7,398.2	7,479.7	7,400.2	31.8	23.9	176.91	67.0	719.0	864.2	808.4	55.79	15.490	
7,700.0	7,497.7	7,579.2	7,499.7	32.2	23.9	176.95	67.0	719.0	874.5	818.2	56.29	15.535	
7,800.0	7,597.5	7,678.9	7,599.5	32.6	23.9	176.98	67.0	719.0	881.2	824.5	56.74	15.530	
7,900.0	7,697.4	7,778.9	7,699.4	32.9	24.0	177.00	67.0	719.0	884.5	827.4	57.13	15.482	
7,944.0	7,741.5	7,822.9	7,743.4	33.0	24.0	-102.00	67.0	719.0	884.8	827.6	57.21	15.467	
8,000.0	7,797.4	7,878.9	7,799.4	33.0	24.0	-102.00	67.0	719.0	884.8	827.6	57.23	15.460	
8,100.0	7,897.4	7,978.9	7,899.4	33.0	24.1	-102.00	67.0	719.0	884.8	827.5	57.29	15.444	
8,200.0	7,997.4	8,078.9	7,999.4	33.0	24.1	-102.00	67.0	719.0	884.8	827.5	57.35	15.428	
8,300.0	8,097.4	8,178.9	8,099.4	33.0	24.1	-102.00	67.0	719.0	884.8	827.4	57.41	15.412	
8,400.0	8,197.4	8,278.9	8,199.4	33.1	24.2	-102.00	67.0	719.0	884.8	827.4	57.47	15.396	
8,500.0	8,297.4	8,378.9	8,299.4	33.1	24.2	-102.00	67.0	719.0	884.8	827.3	57.53	15.379	
8,600.0	8,397.4	8,478.9	8,399.4	33.1	24.3	-102.00	67.0	719.0	884.8	827.2	57.60	15.363	
8,700.0	8,497.4	8,578.9	8,499.4	33.1	24.3	-102.00	67.0	719.0	884.8	827.2	57.66	15.346	
8,800.0	8,597.4	8,678.9	8,599.4	33.2	24.3	-102.00	67.0	719.0	884.8	827.1	57.72	15.330	
8,900.0	8,697.4	8,778.9	8,699.4	33.2	24.4	-102.00	67.0	719.0	884.8	827.0	57.78	15.313	
9,000.0	8,797.4	8,878.9	8,799.4	33.2	24.4	-102.00	67.0	719.0	884.8	827.0	57.84	15.297	
9,100.0	8,897.4	8,978.9	8,899.4	33.2	24.5	-102.00	67.0	719.0	884.8	826.9	57.91	15.280	
9,200.0	8,997.4	9,078.9	8,999.4	33.3	24.5	-102.00	67.0	719.0	884.8	826.9	57.97	15.263	
9,300.0	9,097.4	9,178.9	9,099.4	33.3	24.5	-102.00	67.0	719.0	884.8	826.8	58.04	15.246	
9,400.0	9,197.4	9,278.9	9,199.4	33.3	24.6	-102.00	67.0	719.0	884.8	826.7	58.10	15.229	
9,500.0	9,297.4	9,378.9	9,299.4	33.3	24.6	-102.00	67.0	719.0	884.8	826.7	58.16	15.212	
9,600.0	9,397.4	9,478.9	9,399.4	33.4	24.7	-102.00	67.0	719.0	884.8	826.6	58.23	15.195	
9,700.0	9,497.4	9,578.9	9,499.4	33.4	24.7	-102.00	67.0	719.0	884.8	826.5	58.30	15.178	
9,800.0	9,597.4	9,678.9	9,599.4	33.4	24.8	-102.00	67.0	719.0	884.8	826.5	58.36	15.161	
9,900.0	9,697.4	9,778.9	9,699.4	33.5	24.8	-102.00	67.0	719.0	884.8	826.4	58.43	15.144	
10,000.0	9,797.4	9,878.9	9,799.4	33.5	24.8	-102.00	67.0	719.0	884.8	826.3	58.49	15.127	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,100.0	9,897.4	9,978.9	9,899.4	33.5	24.9	-102.00	67.0	719.0	884.8	826.3	58.56	15.109	
10,200.0	9,997.4	10,078.9	9,999.4	33.5	24.9	-102.00	67.0	719.0	884.8	826.2	58.63	15.092	
10,300.0	10,097.4	10,178.9	10,099.4	33.6	25.0	-102.00	67.0	719.0	884.8	826.1	58.70	15.074	
10,400.0	10,197.4	10,278.9	10,199.4	33.6	25.0	-102.00	67.0	719.0	884.8	826.1	58.77	15.057	
10,500.0	10,297.4	10,378.9	10,299.4	33.6	25.1	-102.00	67.0	719.0	884.8	826.0	58.83	15.039	
10,600.0	10,397.4	10,478.9	10,399.4	33.7	25.1	-102.00	67.0	719.0	884.8	825.9	58.90	15.022	
10,700.0	10,497.4	10,578.9	10,499.4	33.7	25.2	-102.00	67.0	719.0	884.8	825.9	58.97	15.004	
10,800.0	10,597.4	10,678.9	10,599.4	33.7	25.2	-102.00	67.0	719.0	884.8	825.8	59.04	14.986	
10,900.0	10,697.4	10,778.9	10,699.4	33.7	25.2	-102.00	67.0	719.0	884.8	825.7	59.11	14.969	
11,000.0	10,797.4	10,878.9	10,799.4	33.8	25.3	-102.00	67.0	719.0	884.8	825.6	59.18	14.951	
11,100.0	10,897.4	10,978.9	10,899.4	33.8	25.3	-102.00	67.0	719.0	884.8	825.6	59.25	14.933	
11,200.0	10,997.4	11,078.9	10,999.4	33.8	25.4	-102.00	67.0	719.0	884.8	825.5	59.32	14.915	
11,300.0	11,097.4	11,178.9	11,099.4	33.9	25.4	-102.00	67.0	719.0	884.8	825.4	59.40	14.897	
11,400.0	11,197.4	11,278.9	11,199.4	33.9	25.5	-102.00	67.0	719.0	884.8	825.4	59.47	14.879	
11,500.0	11,297.4	11,378.9	11,299.4	33.9	25.5	-102.00	67.0	719.0	884.8	825.3	59.53	14.864	
11,500.4	11,297.8	11,379.3	11,299.8	33.9	25.5	-102.00	67.0	719.0	884.8	825.3	59.53	14.864	
11,508.6	11,306.0	11,386.5	11,307.0	33.9	25.5	-102.00	67.0	719.0	884.8	825.3	59.52	14.866	
11,550.0	11,347.4	11,418.7	11,339.2	33.9	25.5	-104.57	66.1	719.0	885.4	826.0	59.43	14.899	
11,600.0	11,397.0	11,450.0	11,370.4	33.9	25.5	-104.71	63.5	719.0	887.9	828.6	59.24	14.989	
11,650.0	11,446.0	11,490.4	11,410.4	33.9	25.5	-105.13	57.6	719.1	892.2	833.1	59.15	15.083	
11,700.0	11,493.9	11,522.1	11,441.4	33.9	25.5	-105.44	51.0	719.1	898.8	839.9	58.97	15.243	
11,750.0	11,540.3	11,550.0	11,468.3	34.0	25.5	-105.59	43.8	719.2	907.9	849.1	58.72	15.460	
11,800.0	11,585.0	11,574.2	11,491.4	34.0	25.5	-105.48	36.5	719.2	919.6	861.2	58.43	15.739	
11,850.0	11,627.6	11,600.0	11,515.6	34.0	25.6	-105.29	27.7	719.3	934.2	876.1	58.13	16.070	
11,900.0	11,667.7	11,610.5	11,525.4	34.0	25.6	-104.06	23.8	719.3	951.6	894.0	57.66	16.503	
11,950.0	11,705.0	11,623.1	11,537.0	34.0	25.6	-102.61	18.8	719.3	972.0	914.8	57.22	16.987	
12,000.0	11,739.4	11,632.4	11,545.4	34.0	25.6	-100.63	15.1	719.3	995.0	938.3	56.75	17.534	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.6	3.6	3.0	3.0	-171.74	-199.9	-29.0	202.0				
100.0	100.0	103.6	103.6	3.0	3.1	-171.74	-199.9	-29.0	202.0	195.4	6.53	30.950	
200.0	200.0	203.6	203.6	3.2	3.2	-171.74	-199.9	-29.0	202.0	195.2	6.78	29.809	
300.0	300.0	303.6	303.6	3.3	3.3	-171.74	-199.9	-29.0	202.0	194.9	7.02	28.760	
400.0	400.0	403.6	403.6	3.4	3.4	-171.74	-199.9	-29.0	202.0	194.7	7.27	27.790	
500.0	500.0	503.6	503.6	3.5	3.6	-171.74	-199.9	-29.0	202.0	194.5	7.51	26.890	
600.0	600.0	603.6	603.6	3.7	3.7	-171.74	-199.9	-29.0	202.0	194.2	7.75	26.052	
700.0	700.0	703.6	703.6	3.8	3.8	-171.74	-199.9	-29.0	202.0	194.0	7.99	25.269	
800.0	800.0	803.6	803.6	3.9	3.9	-171.74	-199.9	-29.0	202.0	193.7	8.23	24.536	
900.0	900.0	903.6	903.6	4.0	4.0	-171.74	-199.9	-29.0	202.0	193.5	8.47	23.847	
1,000.0	1,000.0	1,003.6	1,003.6	4.2	4.2	-171.74	-199.9	-29.0	202.0	193.3	8.71	23.199 CC, ES	
1,100.0	1,100.0	1,103.5	1,103.5	4.3	4.3	107.72	-199.9	-29.0	202.5	193.5	8.94	22.648	
1,200.0	1,199.8	1,203.4	1,203.4	4.5	4.4	109.09	-199.9	-29.0	204.1	195.0	9.17	22.274	
1,300.0	1,299.5	1,303.0	1,303.0	4.7	4.5	111.30	-199.9	-29.0	207.2	197.8	9.39	22.055	
1,400.0	1,398.7	1,402.3	1,402.3	4.9	4.6	114.27	-199.9	-29.0	211.9	202.3	9.63	22.010	
1,500.0	1,497.5	1,501.1	1,501.1	5.1	4.8	117.84	-199.9	-29.0	218.9	209.0	9.87	22.166	
1,600.0	1,595.6	1,604.2	1,604.1	5.3	4.9	121.87	-199.2	-27.8	227.4	217.3	10.15	22.406	
1,700.0	1,693.1	1,707.5	1,707.4	5.6	5.0	125.91	-197.1	-24.1	236.8	226.2	10.57	22.410	
1,750.0	1,741.5	1,759.3	1,759.1	5.6	5.1	127.94	-195.5	-21.4	241.8	231.1	10.74	22.519	
1,800.0	1,789.8	1,811.3	1,810.9	5.7	5.2	129.96	-193.5	-18.0	246.9	235.9	10.92	22.604	
1,900.0	1,886.4	1,915.9	1,915.0	6.0	5.5	133.57	-188.6	-9.4	255.9	244.5	11.40	22.447	
2,000.0	1,982.9	2,021.2	2,019.6	6.2	5.7	136.71	-182.1	1.7	263.3	251.4	11.90	22.119	
2,100.0	2,079.5	2,125.5	2,122.7	6.5	6.0	139.24	-175.1	15.7	269.0	256.6	12.42	21.656	
2,200.0	2,176.1	2,230.4	2,225.8	6.8	6.3	141.00	-168.7	33.6	273.2	260.1	13.04	20.944	
2,300.0	2,272.7	2,335.8	2,328.8	7.2	6.7	142.06	-162.8	55.2	275.6	261.9	13.67	20.153	
2,400.0	2,369.3	2,437.9	2,427.9	7.5	7.0	142.55	-157.6	79.1	276.3	262.1	14.29	19.342	
2,500.0	2,465.9	2,537.8	2,524.9	7.9	7.3	142.98	-152.6	102.8	277.0	262.0	14.96	18.513	
2,600.0	2,562.5	2,637.8	2,622.0	8.3	7.7	143.41	-147.6	126.4	277.7	262.0	15.66	17.732	
2,700.0	2,659.1	2,737.8	2,719.0	8.7	8.1	143.84	-142.5	150.1	278.3	262.0	16.38	16.993	
2,800.0	2,755.7	2,837.8	2,816.0	9.1	8.5	144.26	-137.5	173.7	279.0	261.9	17.12	16.296	
2,900.0	2,852.3	2,937.8	2,913.0	9.5	8.9	144.68	-132.5	197.4	279.7	261.9	17.89	15.641	
3,000.0	2,948.9	3,037.7	3,010.0	9.9	9.3	145.10	-127.4	221.1	280.5	261.8	18.67	15.025	
3,100.0	3,045.5	3,137.7	3,107.0	10.4	9.7	145.52	-122.4	244.7	281.2	261.8	19.47	14.447	
3,200.0	3,142.1	3,237.7	3,204.0	10.8	10.1	145.94	-117.4	268.4	282.0	261.7	20.28	13.905	
3,300.0	3,238.6	3,337.7	3,301.0	11.2	10.5	146.35	-112.4	292.0	282.7	261.6	21.10	13.397	
3,400.0	3,335.2	3,437.6	3,398.0	11.7	11.0	146.77	-107.3	315.7	283.5	261.6	21.94	12.920	
3,500.0	3,431.8	3,537.6	3,495.0	12.1	11.4	147.17	-102.3	339.4	284.3	261.5	22.80	12.473	
3,600.0	3,528.4	3,637.6	3,592.0	12.6	11.9	147.58	-97.3	363.0	285.1	261.5	23.66	12.053	
3,700.0	3,625.0	3,737.6	3,689.0	13.0	12.3	147.99	-92.2	386.7	286.0	261.4	24.53	11.658	
3,800.0	3,721.6	3,837.5	3,786.0	13.5	12.8	148.39	-87.2	410.3	286.8	261.4	25.41	11.287	
3,900.0	3,818.2	3,937.5	3,883.0	14.0	13.2	148.79	-82.2	434.0	287.7	261.4	26.30	10.937	
4,000.0	3,914.8	4,037.5	3,980.0	14.4	13.7	149.19	-77.2	457.6	288.5	261.3	27.20	10.607	
4,100.0	4,011.4	4,137.5	4,077.1	14.9	14.1	149.58	-72.1	481.3	289.4	261.3	28.11	10.297	
4,200.0	4,108.0	4,237.4	4,174.1	15.4	14.6	149.98	-67.1	505.0	290.3	261.3	29.02	10.003	
4,300.0	4,204.6	4,337.4	4,271.1	15.8	15.1	150.37	-62.1	528.6	291.2	261.3	29.94	9.726	
4,400.0	4,301.2	4,437.4	4,368.1	16.3	15.5	150.75	-57.0	552.3	292.2	261.3	30.87	9.464	
4,500.0	4,397.8	4,537.4	4,465.1	16.8	16.0	151.14	-52.0	575.9	293.1	261.3	31.80	9.216	
4,600.0	4,494.4	4,637.3	4,562.1	17.2	16.5	151.52	-47.0	599.6	294.1	261.3	32.74	8.980	
4,700.0	4,590.9	4,737.3	4,659.1	17.7	16.9	151.90	-42.0	623.2	295.0	261.3	33.69	8.757	
4,800.0	4,687.5	4,837.3	4,756.1	18.2	17.4	152.28	-36.9	646.9	296.0	261.4	34.64	8.545	
4,900.0	4,784.1	4,937.3	4,853.1	18.7	17.9	152.66	-31.9	670.6	297.0	261.4	35.59	8.344	
5,000.0	4,880.7	5,037.3	4,950.1	19.2	18.3	153.03	-26.9	694.2	298.0	261.4	36.55	8.152	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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
5,100.0	4,977.3	5,137.2	5,047.1	19.6	18.8	153.40	-21.8	717.9	299.0	261.5	37.52	7.970	
5,200.0	5,073.9	5,237.2	5,144.1	20.1	19.3	153.77	-16.8	741.5	300.0	261.6	38.48	7.796	
5,300.0	5,170.5	5,337.2	5,241.1	20.6	19.8	154.14	-11.8	765.2	301.1	261.6	39.46	7.631	
5,400.0	5,267.1	5,437.2	5,338.1	21.1	20.2	154.50	-6.8	788.9	302.1	261.7	40.43	7.473	
5,500.0	5,363.7	5,537.1	5,435.1	21.6	20.7	154.86	-1.7	812.5	303.2	261.8	41.41	7.322	
5,600.0	5,460.3	5,637.1	5,532.1	22.1	21.2	155.22	3.3	836.2	304.3	261.9	42.39	7.177	
5,700.0	5,556.9	5,737.1	5,629.2	22.5	21.7	155.57	8.3	859.8	305.4	262.0	43.38	7.039	
5,800.0	5,653.5	5,837.1	5,726.2	23.0	22.1	155.92	13.4	883.5	306.5	262.1	44.37	6.907	
5,900.0	5,750.1	5,937.0	5,823.2	23.5	22.6	156.28	18.4	907.1	307.6	262.2	45.36	6.781	
6,000.0	5,846.6	6,037.0	5,920.2	24.0	23.1	156.62	23.4	930.8	308.7	262.3	46.35	6.660	
6,100.0	5,943.2	6,137.0	6,017.2	24.5	23.6	156.97	28.4	954.5	309.8	262.5	47.35	6.543	
6,200.0	6,039.8	6,237.0	6,114.2	25.0	24.1	157.31	33.5	978.1	311.0	262.6	48.35	6.432	
6,300.0	6,136.4	6,336.9	6,211.2	25.5	24.5	157.65	38.5	1,001.8	312.1	262.8	49.35	6.325	
6,400.0	6,233.0	6,436.9	6,308.2	26.0	25.0	157.99	43.5	1,025.4	313.3	263.0	50.36	6.222	
6,500.0	6,329.6	6,536.9	6,405.2	26.4	25.5	158.32	48.6	1,049.1	314.5	263.1	51.36	6.123	
6,600.0	6,426.2	6,631.3	6,496.9	26.9	26.0	158.67	53.2	1,071.0	316.2	263.9	52.34	6.042	
6,700.0	6,522.8	6,721.6	6,585.2	27.4	26.4	159.14	57.1	1,089.4	320.7	267.4	53.29	6.017 SF	
6,800.0	6,619.4	6,811.5	6,673.8	27.9	26.8	159.74	60.4	1,105.0	328.2	273.9	54.21	6.053	
6,900.0	6,716.0	6,900.0	6,761.2	28.4	27.2	160.45	63.1	1,117.7	338.7	283.6	55.07	6.150	
7,000.0	6,812.6	6,989.6	6,850.2	28.9	27.6	161.25	65.3	1,127.9	352.2	296.3	55.90	6.301	
7,100.0	6,909.2	7,077.4	6,937.7	29.4	28.0	162.09	66.9	1,135.2	368.8	312.2	56.64	6.511	
7,194.0	7,000.0	7,159.0	7,019.2	29.8	28.2	162.90	67.8	1,139.6	387.1	329.9	57.26	6.760	
7,200.0	7,005.8	7,164.1	7,024.3	29.9	28.3	162.96	67.8	1,139.8	388.4	331.1	57.30	6.778	
7,300.0	7,102.8	7,250.1	7,110.3	30.4	28.5	163.88	68.3	1,141.9	409.1	351.2	57.83	7.074	
7,400.0	7,200.7	7,344.1	7,204.2	30.9	28.5	164.71	68.3	1,142.0	428.8	370.4	58.35	7.348	
7,500.0	7,299.2	7,442.6	7,302.8	31.4	28.6	165.38	68.3	1,142.0	445.3	386.4	58.92	7.558	
7,600.0	7,398.2	7,541.7	7,401.8	31.8	28.6	165.87	68.3	1,142.0	458.6	399.2	59.45	7.715	
7,700.0	7,497.7	7,641.1	7,501.3	32.2	28.6	166.23	68.3	1,142.0	468.6	408.7	59.93	7.819	
7,800.0	7,597.5	7,740.9	7,601.0	32.6	28.6	166.45	68.3	1,142.0	475.2	414.8	60.36	7.871	
7,900.0	7,697.4	7,840.8	7,701.0	32.9	28.7	166.56	68.3	1,142.0	478.4	417.6	60.72	7.877	
7,944.0	7,741.5	7,884.9	7,745.0	33.0	28.7	-112.43	68.3	1,142.0	478.7	417.9	60.79	7.874	
8,000.0	7,797.4	7,940.8	7,801.0	33.0	28.7	-112.43	68.3	1,142.0	478.7	417.9	60.82	7.871	
8,100.0	7,897.4	8,040.8	7,901.0	33.0	28.7	-112.43	68.3	1,142.0	478.7	417.8	60.87	7.864	
8,200.0	7,997.4	8,140.8	8,001.0	33.0	28.8	-112.43	68.3	1,142.0	478.7	417.8	60.93	7.856	
8,300.0	8,097.4	8,240.8	8,101.0	33.0	28.8	-112.43	68.3	1,142.0	478.7	417.7	60.98	7.849	
8,400.0	8,197.4	8,340.8	8,201.0	33.1	28.8	-112.43	68.3	1,142.0	478.7	417.6	61.04	7.842	
8,500.0	8,297.4	8,440.8	8,301.0	33.1	28.9	-112.43	68.3	1,142.0	478.7	417.6	61.10	7.835	
8,600.0	8,397.4	8,540.8	8,401.0	33.1	28.9	-112.43	68.3	1,142.0	478.7	417.5	61.15	7.828	
8,700.0	8,497.4	8,640.8	8,501.0	33.1	28.9	-112.43	68.3	1,142.0	478.7	417.5	61.21	7.820	
8,800.0	8,597.4	8,740.8	8,601.0	33.2	29.0	-112.43	68.3	1,142.0	478.7	417.4	61.27	7.813	
8,900.0	8,697.4	8,840.8	8,701.0	33.2	29.0	-112.43	68.3	1,142.0	478.7	417.4	61.33	7.806	
9,000.0	8,797.4	8,940.8	8,801.0	33.2	29.0	-112.43	68.3	1,142.0	478.7	417.3	61.38	7.798	
9,100.0	8,897.4	9,040.8	8,901.0	33.2	29.0	-112.43	68.3	1,142.0	478.7	417.2	61.44	7.791	
9,200.0	8,997.4	9,140.8	9,001.0	33.3	29.1	-112.43	68.3	1,142.0	478.7	417.2	61.50	7.783	
9,300.0	9,097.4	9,240.8	9,101.0	33.3	29.1	-112.43	68.3	1,142.0	478.7	417.1	61.56	7.776	
9,400.0	9,197.4	9,340.8	9,201.0	33.3	29.1	-112.43	68.3	1,142.0	478.7	417.1	61.62	7.768	
9,500.0	9,297.4	9,440.8	9,301.0	33.3	29.2	-112.43	68.3	1,142.0	478.7	417.0	61.68	7.761	
9,600.0	9,397.4	9,540.8	9,401.0	33.4	29.2	-112.43	68.3	1,142.0	478.7	416.9	61.74	7.753	
9,700.0	9,497.4	9,640.8	9,501.0	33.4	29.2	-112.43	68.3	1,142.0	478.7	416.9	61.80	7.745	
9,800.0	9,597.4	9,740.8	9,601.0	33.4	29.3	-112.43	68.3	1,142.0	478.7	416.8	61.86	7.738	
9,900.0	9,697.4	9,840.8	9,701.0	33.5	29.3	-112.43	68.3	1,142.0	478.7	416.8	61.92	7.730	
10,000.0	9,797.4	9,940.8	9,801.0	33.5	29.3	-112.43	68.3	1,142.0	478.7	416.7	61.99	7.722	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #763H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11274-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	9,897.4	10,040.8	9,901.0	33.5	29.4	-112.43	68.3	1,142.0	478.7	416.6	62.05	7.715	
10,200.0	9,997.4	10,140.8	10,001.0	33.5	29.4	-112.43	68.3	1,142.0	478.7	416.6	62.11	7.707	
10,300.0	10,097.4	10,240.8	10,101.0	33.6	29.5	-112.43	68.3	1,142.0	478.7	416.5	62.17	7.699	
10,400.0	10,197.4	10,340.8	10,201.0	33.6	29.5	-112.43	68.3	1,142.0	478.7	416.4	62.24	7.691	
10,500.0	10,297.4	10,440.8	10,301.0	33.6	29.5	-112.43	68.3	1,142.0	478.7	416.4	62.30	7.683	
10,600.0	10,397.4	10,540.8	10,401.0	33.7	29.6	-112.43	68.3	1,142.0	478.7	416.3	62.36	7.676	
10,700.0	10,497.4	10,640.8	10,501.0	33.7	29.6	-112.43	68.3	1,142.0	478.7	416.3	62.43	7.668	
10,800.0	10,597.4	10,740.8	10,601.0	33.7	29.6	-112.43	68.3	1,142.0	478.7	416.2	62.49	7.660	
10,900.0	10,697.4	10,840.8	10,701.0	33.7	29.7	-112.43	68.3	1,142.0	478.7	416.1	62.56	7.652	
11,000.0	10,797.4	10,940.8	10,801.0	33.8	29.7	-112.43	68.3	1,142.0	478.7	416.1	62.62	7.644	
11,100.0	10,897.4	11,040.8	10,901.0	33.8	29.7	-112.43	68.3	1,142.0	478.7	416.0	62.69	7.636	
11,200.0	10,997.4	11,140.8	11,001.0	33.8	29.8	-112.43	68.3	1,142.0	478.7	415.9	62.76	7.628	
11,300.0	11,097.4	11,240.8	11,101.0	33.9	29.8	-112.43	68.3	1,142.0	478.7	415.9	62.82	7.620	
11,310.0	11,107.4	11,250.8	11,111.0	33.9	29.8	-112.43	68.3	1,142.0	478.7	415.9	62.82	7.619	
11,400.0	11,197.4	11,324.7	11,184.8	33.9	29.8	-112.68	66.1	1,142.0	479.8	417.3	62.47	7.681	
11,500.0	11,297.4	11,400.0	11,259.1	33.9	29.8	-113.95	54.5	1,142.1	485.8	424.2	61.65	7.880	
11,508.6	11,306.0	11,400.0	11,259.1	33.9	29.8	-113.95	54.5	1,142.1	486.7	425.3	61.41	7.925	
11,550.0	11,347.4	11,434.3	11,292.4	33.9	29.8	-117.01	46.0	1,142.2	491.7	430.6	61.06	8.052	
11,600.0	11,397.0	11,467.2	11,323.7	33.9	29.8	-117.59	36.0	1,142.2	501.2	440.8	60.35	8.305	
11,650.0	11,446.0	11,500.0	11,354.3	33.9	29.9	-118.23	24.3	1,142.3	514.6	455.1	59.54	8.643	
11,700.0	11,493.9	11,522.5	11,374.9	33.9	29.9	-118.11	15.2	1,142.4	532.2	473.7	58.46	9.103	
11,750.0	11,540.3	11,550.0	11,399.6	34.0	29.9	-118.13	3.1	1,142.5	554.0	496.5	57.47	9.640	
11,800.0	11,585.0	11,562.4	11,410.5	34.0	29.9	-116.52	-2.8	1,142.5	579.9	523.7	56.25	10.310	
11,850.0	11,627.6	11,576.7	11,422.9	34.0	29.9	-114.55	-9.9	1,142.5	609.7	554.5	55.15	11.054	
11,900.0	11,667.7	11,587.6	11,432.3	34.0	29.9	-111.61	-15.4	1,142.6	642.9	588.7	54.12	11.877	
11,950.0	11,705.0	11,600.0	11,442.8	34.0	29.9	-108.12	-22.0	1,142.6	679.0	625.8	53.24	12.754	
12,000.0	11,739.4	11,600.0	11,442.8	34.0	29.9	-102.30	-22.0	1,142.6	717.5	665.1	52.36	13.704	
12,050.0	11,770.4	11,600.0	11,442.8	34.0	29.9	-95.55	-22.0	1,142.6	757.8	706.2	51.61	14.683	
12,100.0	11,797.9	11,600.0	11,442.8	34.0	29.9	-88.01	-22.0	1,142.6	799.5	748.5	50.99	15.680	
12,150.0	11,821.6	11,600.0	11,442.8	34.1	29.9	-79.99	-22.0	1,142.6	842.0	791.5	50.46	16.685	
12,200.0	11,841.4	11,600.0	11,442.8	34.1	29.9	-71.89	-22.0	1,142.6	884.9	834.9	50.02	17.691	
12,250.0	11,857.2	11,600.0	11,442.8	34.1	29.9	-64.12	-22.0	1,142.6	927.9	878.2	49.65	18.690	
12,300.0	11,868.7	11,600.0	11,442.8	34.2	29.9	-56.98	-22.0	1,142.6	970.5	921.2	49.33	19.676	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.7	2.7	3.0	3.0	179.70	-200.1	1.0	200.1				
100.0	100.0	102.7	102.7	3.0	3.0	179.70	-200.1	1.0	200.1	193.5	6.52	30.664	
200.0	200.0	202.7	202.7	3.2	3.2	179.70	-200.1	1.0	200.1	193.3	6.77	29.533	
300.0	300.0	302.7	302.7	3.3	3.3	179.70	-200.1	1.0	200.1	193.1	7.02	28.492	
400.0	400.0	402.7	402.7	3.4	3.4	179.70	-200.1	1.0	200.1	192.8	7.27	27.530	
500.0	500.0	502.7	502.7	3.5	3.6	179.70	-200.1	1.0	200.1	192.6	7.51	26.636	
600.0	600.0	602.7	602.7	3.7	3.7	179.70	-200.1	1.0	200.1	192.3	7.75	25.804	
700.0	700.0	702.7	702.7	3.8	3.8	179.70	-200.1	1.0	200.1	192.1	7.99	25.026	
800.0	800.0	802.7	802.7	3.9	3.9	179.70	-200.1	1.0	200.1	191.8	8.23	24.298	
900.0	900.0	902.7	902.7	4.0	4.0	179.70	-200.1	1.0	200.1	191.6	8.47	23.613	
1,000.0	1,000.0	1,002.7	1,002.7	4.2	4.2	179.70	-200.1	1.0	200.1	191.4	8.71	22.969 CC, ES	
1,100.0	1,100.0	1,102.7	1,102.7	4.3	4.3	99.19	-200.1	1.0	200.3	191.4	8.94	22.417	
1,200.0	1,199.8	1,202.6	1,202.6	4.5	4.4	100.64	-200.1	1.0	201.2	192.1	9.15	21.990	
1,300.0	1,299.5	1,302.2	1,302.2	4.7	4.5	103.01	-200.1	1.0	203.0	193.7	9.37	21.669	
1,400.0	1,398.7	1,401.4	1,401.4	4.9	4.6	106.23	-200.1	1.0	206.1	196.5	9.60	21.484	
1,500.0	1,497.5	1,500.2	1,500.2	5.1	4.8	110.18	-200.1	1.0	211.1	201.3	9.83	21.471	
1,600.0	1,595.6	1,601.5	1,601.5	5.3	4.9	114.40	-199.8	2.8	217.8	207.7	10.08	21.609	
1,700.0	1,693.1	1,703.4	1,703.2	5.6	5.0	118.34	-199.1	8.2	225.6	215.2	10.47	21.551	
1,750.0	1,741.5	1,754.6	1,754.3	5.6	5.1	120.20	-198.5	12.2	230.0	219.3	10.63	21.634	
1,800.0	1,789.8	1,806.0	1,805.5	5.7	5.3	121.97	-197.8	17.2	234.3	223.5	10.80	21.698	
1,900.0	1,886.4	1,909.8	1,908.4	6.0	5.6	124.79	-196.0	30.0	242.0	230.8	11.23	21.544	
2,000.0	1,982.9	2,014.4	2,011.6	6.2	5.9	126.75	-193.7	46.7	248.2	236.5	11.70	21.210	
2,100.0	2,079.5	2,119.7	2,114.8	6.5	6.3	127.92	-190.8	67.1	252.3	240.1	12.19	20.699	
2,200.0	2,176.1	2,225.3	2,217.5	6.8	6.7	128.37	-187.4	91.5	254.3	241.6	12.67	20.066	
2,300.0	2,272.7	2,326.6	2,315.5	7.2	6.9	128.33	-183.7	117.3	254.7	241.6	13.13	19.402	
2,400.0	2,369.3	2,426.6	2,412.0	7.5	7.3	128.26	-180.1	143.0	255.1	241.4	13.66	18.674	
2,500.0	2,465.9	2,526.6	2,508.6	7.9	7.6	128.20	-176.5	168.6	255.4	241.2	14.21	17.974	
2,600.0	2,562.5	2,626.6	2,605.2	8.3	8.0	128.14	-172.9	194.2	255.8	241.0	14.78	17.304	
2,700.0	2,659.1	2,726.6	2,701.8	8.7	8.4	128.08	-169.3	219.9	256.1	240.8	15.37	16.666	
2,800.0	2,755.7	2,826.6	2,798.4	9.1	8.8	128.02	-165.7	245.5	256.5	240.5	15.97	16.061	
2,900.0	2,852.3	2,926.6	2,895.0	9.5	9.2	127.96	-162.1	271.1	256.9	240.3	16.58	15.489	
3,000.0	2,948.9	3,026.6	2,991.6	9.9	9.6	127.89	-158.5	296.7	257.2	240.0	17.21	14.947	
3,100.0	3,045.5	3,126.6	3,088.2	10.4	10.0	127.83	-154.9	322.4	257.6	239.7	17.84	14.436	
3,200.0	3,142.1	3,226.6	3,184.8	10.8	10.5	127.77	-151.3	348.0	257.9	239.5	18.49	13.953	
3,300.0	3,238.6	3,326.6	3,281.4	11.2	10.9	127.71	-147.7	373.6	258.3	239.2	19.14	13.498	
3,400.0	3,335.2	3,426.6	3,378.0	11.7	11.3	127.65	-144.1	399.3	258.7	238.9	19.79	13.068	
3,500.0	3,431.8	3,526.6	3,474.6	12.1	11.8	127.59	-140.5	424.9	259.0	238.6	20.46	12.662	
3,600.0	3,528.4	3,626.6	3,571.1	12.6	12.2	127.53	-136.9	450.5	259.4	238.3	21.13	12.278	
3,700.0	3,625.0	3,726.6	3,667.7	13.0	12.7	127.47	-133.3	476.2	259.7	237.9	21.80	11.915	
3,800.0	3,721.6	3,826.6	3,764.3	13.5	13.1	127.41	-129.7	501.8	260.1	237.6	22.48	11.573	
3,900.0	3,818.2	3,926.6	3,860.9	14.0	13.6	127.35	-126.1	527.4	260.5	237.3	23.16	11.248	
4,000.0	3,914.8	4,026.6	3,957.5	14.4	14.1	127.29	-122.5	553.0	260.8	237.0	23.84	10.940	
4,100.0	4,011.4	4,126.6	4,054.1	14.9	14.5	127.23	-118.9	578.7	261.2	236.7	24.53	10.649	
4,200.0	4,108.0	4,226.6	4,150.7	15.4	15.0	127.17	-115.3	604.3	261.5	236.3	25.22	10.372	
4,300.0	4,204.6	4,326.6	4,247.3	15.8	15.5	127.11	-111.7	629.9	261.9	236.0	25.91	10.109	
4,400.0	4,301.2	4,426.6	4,343.9	16.3	15.9	127.06	-108.1	655.6	262.3	235.7	26.60	9.859	
4,500.0	4,397.8	4,526.6	4,440.5	16.8	16.4	127.00	-104.5	681.2	262.6	235.3	27.30	9.621	
4,600.0	4,494.4	4,626.6	4,537.1	17.2	16.9	126.94	-100.9	706.8	263.0	235.0	28.00	9.394	
4,700.0	4,590.9	4,726.6	4,633.7	17.7	17.4	126.88	-97.3	732.5	263.4	234.7	28.69	9.178	
4,800.0	4,687.5	4,826.6	4,730.2	18.2	17.8	126.82	-93.7	758.1	263.7	234.3	29.39	8.972	
4,900.0	4,784.1	4,926.6	4,826.8	18.7	18.3	126.76	-90.1	783.7	264.1	234.0	30.09	8.775	
5,000.0	4,880.7	5,026.6	4,923.4	19.2	18.8	126.71	-86.5	809.3	264.5	233.7	30.80	8.587	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - ZIA HILLS UNIT 1932 WC #764H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11508-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	4,977.3	5,126.6	5,020.0	19.6	19.3	126.65	-82.9	835.0	264.8	233.3	31.50	8.407	
5,200.0	5,073.9	5,226.6	5,116.6	20.1	19.7	126.59	-79.3	860.6	265.2	233.0	32.20	8.235	
5,300.0	5,170.5	5,326.6	5,213.2	20.6	20.2	126.53	-75.7	886.2	265.5	232.6	32.91	8.070	
5,400.0	5,267.1	5,426.6	5,309.8	21.1	20.7	126.48	-72.1	911.9	265.9	232.3	33.61	7.911	
5,500.0	5,363.7	5,526.6	5,406.4	21.6	21.2	126.42	-68.5	937.5	266.3	232.0	34.32	7.760	
5,600.0	5,460.3	5,626.6	5,503.0	22.1	21.7	126.36	-64.9	963.1	266.6	231.6	35.02	7.614	
5,700.0	5,556.9	5,726.6	5,599.6	22.5	22.2	126.30	-61.3	988.8	267.0	231.3	35.73	7.474	
5,800.0	5,653.5	5,826.6	5,696.2	23.0	22.6	126.25	-57.7	1,014.4	267.4	230.9	36.43	7.339	
5,900.0	5,750.1	5,926.6	5,792.8	23.5	23.1	126.19	-54.1	1,040.0	267.7	230.6	37.14	7.209	
6,000.0	5,846.6	6,026.6	5,889.3	24.0	23.6	126.13	-50.5	1,065.6	268.1	230.3	37.84	7.085	
6,100.0	5,943.2	6,126.6	5,985.9	24.5	24.1	126.08	-46.8	1,091.3	268.5	229.9	38.55	6.964	
6,200.0	6,039.8	6,226.6	6,082.5	25.0	24.6	126.02	-43.2	1,116.9	268.8	229.6	39.26	6.848	
6,300.0	6,136.4	6,326.6	6,179.1	25.5	25.1	125.97	-39.6	1,142.5	269.2	229.3	39.96	6.737	
6,400.0	6,233.0	6,426.6	6,275.7	26.0	25.6	125.91	-36.0	1,168.2	269.6	228.9	40.67	6.629	
6,500.0	6,329.6	6,526.6	6,372.3	26.4	26.1	125.86	-32.4	1,193.8	269.9	228.6	41.37	6.525	
6,600.0	6,426.2	6,626.6	6,468.9	26.9	26.5	125.80	-28.8	1,219.4	270.3	228.2	42.08	6.424	
6,700.0	6,522.8	6,726.6	6,565.5	27.4	27.0	125.74	-25.2	1,245.0	270.7	227.9	42.78	6.327	
6,800.0	6,619.4	6,826.6	6,662.1	27.9	27.5	125.69	-21.6	1,270.7	271.1	227.6	43.49	6.233	
6,900.0	6,716.0	6,926.6	6,758.7	28.4	28.0	125.63	-18.0	1,296.3	271.4	227.2	44.19	6.142	
7,000.0	6,812.6	7,026.6	6,855.3	28.9	28.5	125.58	-14.4	1,321.9	271.8	226.9	44.90	6.054	
7,100.0	6,909.2	7,125.4	6,950.7	29.4	29.0	125.56	-10.9	1,347.1	272.3	226.7	45.60	5.971	
7,194.0	7,000.0	7,216.9	7,039.5	29.8	29.4	125.75	-7.8	1,369.2	273.4	227.1	46.35	5.900	
7,200.0	7,005.8	7,222.7	7,045.2	29.9	29.5	125.78	-7.6	1,370.5	273.6	227.2	46.40	5.896	
7,300.0	7,102.8	7,320.0	7,140.0	30.4	29.9	125.97	-4.5	1,392.4	274.7	227.5	47.19	5.820	
7,400.0	7,200.7	7,417.4	7,235.1	30.9	30.4	125.86	-1.7	1,412.6	274.7	226.9	47.78	5.750	
7,500.0	7,299.2	7,514.7	7,330.6	31.4	30.8	125.44	0.9	1,431.3	273.7	225.5	48.19	5.680	
7,600.0	7,398.2	7,612.0	7,426.4	31.8	31.3	124.70	3.3	1,448.3	271.7	223.3	48.40	5.613	
7,700.0	7,497.7	7,709.3	7,522.4	32.2	31.7	123.62	5.5	1,463.7	268.6	220.2	48.40	5.550	
7,800.0	7,597.5	7,806.6	7,618.7	32.6	32.1	122.20	7.4	1,477.5	264.7	216.5	48.18	5.494	
7,900.0	7,697.4	7,903.9	7,715.3	32.9	32.5	120.39	9.1	1,489.7	260.0	212.3	47.71	5.450	
7,944.0	7,741.5	7,946.8	7,757.8	33.0	32.7	-159.54	9.8	1,494.5	257.7	210.3	47.39	5.439	
8,000.0	7,797.4	8,001.3	7,812.0	33.0	32.9	-160.68	10.6	1,500.2	255.0	208.0	46.96	5.430	
8,100.0	7,897.4	8,098.9	7,909.3	33.0	33.3	-162.51	11.9	1,509.2	250.8	204.5	46.29	5.418	
8,200.0	7,997.4	8,196.8	8,006.9	33.0	33.7	-164.06	12.9	1,516.5	247.7	201.9	45.76	5.412	
8,300.0	8,097.4	8,295.0	8,104.9	33.0	34.0	-165.28	13.7	1,522.2	245.3	200.0	45.37	5.408	
8,400.0	8,197.4	8,393.3	8,203.1	33.1	34.4	-166.17	14.3	1,526.2	243.8	198.7	45.12	5.403	
8,500.0	8,297.4	8,491.8	8,301.5	33.1	34.6	-166.69	14.6	1,528.6	242.9	197.9	45.01	5.396	
8,600.0	8,397.4	8,590.4	8,400.2	33.1	34.8	-166.84	14.7	1,529.3	242.6	197.6	45.01	5.391	
8,700.0	8,497.4	8,690.4	8,500.2	33.1	34.8	-166.84	14.7	1,529.3	242.6	197.5	45.10	5.380	
8,800.0	8,597.4	8,790.4	8,600.2	33.2	34.8	-166.84	14.7	1,529.3	242.6	197.4	45.18	5.370	
8,900.0	8,697.4	8,890.4	8,700.2	33.2	34.8	-166.84	14.7	1,529.3	242.6	197.4	45.27	5.359	
9,000.0	8,797.4	8,990.4	8,800.2	33.2	34.9	-166.84	14.7	1,529.3	242.6	197.3	45.36	5.349	
9,100.0	8,897.4	9,090.4	8,900.2	33.2	34.9	-166.84	14.7	1,529.3	242.6	197.2	45.44	5.339	
9,200.0	8,997.4	9,190.4	9,000.2	33.3	34.9	-166.84	14.7	1,529.3	242.6	197.1	45.53	5.329	
9,300.0	9,097.4	9,290.4	9,100.2	33.3	34.9	-166.84	14.7	1,529.3	242.6	197.0	45.62	5.319	
9,400.0	9,197.4	9,390.4	9,200.2	33.3	35.0	-166.84	14.7	1,529.3	242.6	196.9	45.71	5.308	
9,500.0	9,297.4	9,490.4	9,300.2	33.3	35.0	-166.84	14.7	1,529.3	242.6	196.8	45.79	5.298	
9,600.0	9,397.4	9,590.4	9,400.2	33.4	35.0	-166.84	14.7	1,529.3	242.6	196.7	45.88	5.288	
9,700.0	9,497.4	9,690.4	9,500.2	33.4	35.0	-166.84	14.7	1,529.3	242.6	196.6	45.97	5.278	
9,800.0	9,597.4	9,790.4	9,600.2	33.4	35.1	-166.84	14.7	1,529.3	242.6	196.6	46.06	5.267	
9,900.0	9,697.4	9,890.4	9,700.2	33.5	35.1	-166.84	14.7	1,529.3	242.6	196.5	46.15	5.257	
10,000.0	9,797.4	9,990.4	9,800.2	33.5	35.1	-166.84	14.7	1,529.3	242.6	196.4	46.24	5.247	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,100.0	9,897.4	10,090.4	9,900.2	33.5	35.1	-166.84	14.7	1,529.3	242.6	196.3	46.33	5.237	
10,200.0	9,997.4	10,190.4	10,000.2	33.5	35.2	-166.84	14.7	1,529.3	242.6	196.2	46.42	5.226	
10,300.0	10,097.4	10,290.4	10,100.2	33.6	35.2	-166.84	14.7	1,529.3	242.6	196.1	46.51	5.216	
10,400.0	10,197.4	10,390.4	10,200.2	33.6	35.2	-166.84	14.7	1,529.3	242.6	196.0	46.61	5.206	
10,500.0	10,297.4	10,490.4	10,300.2	33.6	35.2	-166.84	14.7	1,529.3	242.6	195.9	46.70	5.196	
10,600.0	10,397.4	10,590.4	10,400.2	33.7	35.3	-166.84	14.7	1,529.3	242.6	195.8	46.79	5.185	
10,700.0	10,497.4	10,690.4	10,500.2	33.7	35.3	-166.84	14.7	1,529.3	242.6	195.7	46.88	5.175	
10,800.0	10,597.4	10,790.4	10,600.2	33.7	35.3	-166.84	14.7	1,529.3	242.6	195.6	46.98	5.165	
10,900.0	10,697.4	10,890.4	10,700.2	33.7	35.3	-166.84	14.7	1,529.3	242.6	195.6	47.07	5.154	
11,000.0	10,797.4	10,990.4	10,800.2	33.8	35.4	-166.84	14.7	1,529.3	242.6	195.5	47.17	5.144	
11,100.0	10,897.4	11,090.4	10,900.2	33.8	35.4	-166.84	14.7	1,529.3	242.6	195.4	47.26	5.134	
11,200.0	10,997.4	11,190.4	11,000.2	33.8	35.4	-166.84	14.7	1,529.3	242.6	195.3	47.35	5.124	
11,300.0	11,097.4	11,290.4	11,100.2	33.9	35.5	-166.84	14.7	1,529.3	242.6	195.2	47.45	5.113	
11,400.0	11,197.4	11,390.4	11,200.2	33.9	35.5	-166.84	14.7	1,529.3	242.6	195.1	47.55	5.103	
11,500.0	11,297.4	11,490.4	11,300.2	33.9	35.5	-166.84	14.7	1,529.3	242.6	195.0	47.64	5.093	
11,508.6	11,306.0	11,499.0	11,308.8	33.9	35.5	-166.84	14.7	1,529.3	242.6	195.0	47.64	5.092 SF	
11,550.0	11,347.4	11,528.4	11,338.2	33.9	35.5	-169.39	14.0	1,529.3	245.1	197.8	47.31	5.181	
11,600.0	11,397.0	11,563.0	11,372.6	33.9	35.5	-169.57	11.2	1,529.5	254.6	207.8	46.82	5.438	
11,650.0	11,446.0	11,600.0	11,409.2	33.9	35.5	-169.91	5.9	1,529.8	271.1	224.7	46.43	5.839	
11,700.0	11,493.9	11,625.6	11,434.4	33.9	35.5	-170.06	0.9	1,530.1	293.9	248.0	45.90	6.402	
11,750.0	11,540.3	11,650.0	11,458.0	34.0	35.5	-170.15	-5.0	1,530.5	322.5	277.0	45.54	7.081	
11,800.0	11,585.0	11,675.5	11,482.5	34.0	35.5	-170.22	-12.1	1,531.0	356.2	310.9	45.34	7.856	
11,850.0	11,627.6	11,700.0	11,505.7	34.0	35.5	-170.17	-20.0	1,531.4	394.3	349.0	45.23	8.717	
11,900.0	11,667.7	11,711.0	11,516.0	34.0	35.5	-169.36	-23.9	1,531.7	435.8	390.6	45.14	9.653	
11,950.0	11,705.0	11,723.5	11,527.6	34.0	35.5	-168.19	-28.5	1,532.0	480.2	435.1	45.13	10.639	
12,000.0	11,739.4	11,733.0	11,536.3	34.0	35.5	-166.05	-32.2	1,532.2	526.8	481.6	45.16	11.666	
12,050.0	11,770.4	11,750.0	11,551.8	34.0	35.5	-163.34	-39.2	1,532.7	575.1	529.9	45.19	12.727	
12,100.0	11,797.9	11,750.0	11,551.8	34.0	35.5	-153.77	-39.2	1,532.7	624.2	579.0	45.23	13.800	
12,150.0	11,821.6	11,750.0	11,551.8	34.1	35.5	-120.57	-39.2	1,532.7	673.9	628.7	45.28	14.885	
12,200.0	11,841.4	11,750.0	11,551.8	34.1	35.5	-46.04	-39.2	1,532.7	723.8	678.5	45.31	15.974	
12,250.0	11,857.2	11,750.0	11,551.8	34.1	35.5	-20.86	-39.2	1,532.7	773.6	728.2	45.34	17.061	
12,300.0	11,868.7	11,750.0	11,551.8	34.2	35.5	-12.88	-39.2	1,532.7	822.7	777.4	45.35	18.140	
12,350.0	11,876.0	11,733.2	11,536.5	34.2	35.5	-8.76	-32.3	1,532.2	870.8	825.4	45.37	19.191	
12,400.0	11,878.9	11,726.6	11,530.5	34.3	35.5	-6.77	-29.7	1,532.1	917.8	872.5	45.37	20.229	
12,408.6	11,879.0	11,725.4	11,529.3	34.3	35.5	-6.51	-29.2	1,532.0	925.8	880.5	45.37	20.407	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-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
5,700.0	5,556.9	5,754.5	5,672.7	22.5	21.5	5.97		233.8	2,076.3	981.9	938.5	43.40	22.624
5,800.0	5,653.5	5,833.5	5,750.9	23.0	21.9	6.10		233.2	2,065.7	943.3	899.0	44.27	21.306
5,900.0	5,750.1	5,913.3	5,830.2	23.5	22.2	6.25		232.7	2,056.0	906.0	860.9	45.15	20.069
6,000.0	5,846.6	6,000.0	5,916.3	24.0	22.5	6.42		232.2	2,046.7	870.1	824.1	45.99	18.917
6,100.0	5,943.2	6,075.7	5,991.7	24.5	22.8	6.58		231.8	2,039.7	835.4	788.5	46.86	17.826
6,200.0	6,039.8	6,158.2	6,073.9	25.0	23.1	6.77		231.5	2,033.2	802.1	754.4	47.71	16.813
6,300.0	6,136.4	6,241.5	6,157.1	25.5	23.4	6.97		231.2	2,027.8	770.2	721.7	48.54	15.868
6,400.0	6,233.0	6,325.6	6,241.0	26.0	23.7	7.19		231.0	2,023.6	739.7	690.3	49.35	14.988
6,500.0	6,329.6	6,410.5	6,325.9	26.4	24.0	7.43		230.8	2,020.6	710.6	660.4	50.14	14.171
6,600.0	6,426.2	6,500.0	6,415.4	26.9	24.2	7.69		230.7	2,018.8	682.9	632.1	50.90	13.418
6,700.0	6,522.8	6,583.8	6,499.2	27.4	24.3	7.96		230.7	2,018.4	656.7	605.2	51.53	12.744
6,800.0	6,619.4	6,680.4	6,595.8	27.9	24.4	8.28		230.7	2,018.4	631.1	579.0	52.05	12.126
6,900.0	6,716.0	6,777.0	6,692.4	28.4	24.4	8.63		230.7	2,018.4	605.5	552.9	52.56	11.519
7,000.0	6,812.6	6,873.6	6,789.0	28.9	24.4	9.02		230.7	2,018.4	579.9	526.8	53.08	10.924
7,100.0	6,909.2	6,970.2	6,885.5	29.4	24.4	9.44		230.7	2,018.4	554.3	500.7	53.60	10.342
7,194.0	7,000.0	7,061.0	6,976.4	29.8	24.5	9.87		230.7	2,018.4	530.3	476.2	54.08	9.805
7,200.0	7,005.8	7,066.7	6,982.1	29.9	24.5	9.89		230.7	2,018.4	528.8	474.7	54.11	9.772
7,300.0	7,102.8	7,163.8	7,079.2	30.4	24.5	10.27		230.7	2,018.4	505.1	450.5	54.66	9.241
7,400.0	7,200.7	7,261.7	7,177.1	30.9	24.5	10.63		230.7	2,018.4	484.9	429.7	55.17	8.789
7,500.0	7,299.2	7,360.2	7,275.6	31.4	24.6	10.95		230.7	2,018.4	468.0	412.4	55.66	8.409
7,600.0	7,398.2	7,459.2	7,374.6	31.8	24.6	11.22		230.7	2,018.4	454.6	398.4	56.13	8.098
7,700.0	7,497.7	7,558.7	7,474.1	32.2	24.6	11.44		230.7	2,018.4	444.5	387.9	56.58	7.856
7,800.0	7,597.5	7,658.5	7,573.9	32.6	24.7	11.59		230.7	2,018.4	437.9	380.9	56.99	7.683
7,900.0	7,697.4	7,758.4	7,673.8	32.9	24.7	11.66		230.7	2,018.4	434.7	377.3	57.35	7.579
7,944.0	7,741.5	7,802.4	7,717.8	33.0	24.7	92.67		230.7	2,018.4	434.3	376.9	57.42	7.563
8,000.0	7,797.4	7,858.4	7,773.8	33.0	24.7	92.67		230.7	2,018.4	434.3	376.9	57.45	7.560
8,100.0	7,897.4	7,958.4	7,873.8	33.0	24.8	92.67		230.7	2,018.4	434.3	376.8	57.50	7.553
8,200.0	7,997.4	8,058.4	7,973.8	33.0	24.8	92.67		230.7	2,018.4	434.3	376.8	57.56	7.546
8,300.0	8,097.4	8,158.4	8,073.8	33.0	24.8	92.67		230.7	2,018.4	434.3	376.7	57.61	7.539
8,400.0	8,197.4	8,258.4	8,173.8	33.1	24.9	92.67		230.7	2,018.4	434.3	376.7	57.67	7.531
8,500.0	8,297.4	8,358.4	8,273.8	33.1	24.9	92.67		230.7	2,018.4	434.3	376.6	57.73	7.524
8,600.0	8,397.4	8,458.4	8,373.8	33.1	24.9	92.67		230.7	2,018.4	434.3	376.5	57.78	7.517
8,700.0	8,497.4	8,558.4	8,473.8	33.1	25.0	92.67		230.7	2,018.4	434.3	376.5	57.84	7.509
8,800.0	8,597.4	8,658.4	8,573.8	33.2	25.0	92.67		230.7	2,018.4	434.3	376.4	57.90	7.502
8,900.0	8,697.4	8,758.4	8,673.8	33.2	25.0	92.67		230.7	2,018.4	434.3	376.4	57.95	7.494
9,000.0	8,797.4	8,858.4	8,773.8	33.2	25.1	92.67		230.7	2,018.4	434.3	376.3	58.01	7.487
9,100.0	8,897.4	8,958.4	8,873.8	33.2	25.1	92.67		230.7	2,018.4	434.3	376.3	58.07	7.479
9,200.0	8,997.4	9,058.4	8,973.8	33.3	25.1	92.67		230.7	2,018.4	434.3	376.2	58.13	7.472
9,300.0	9,097.4	9,158.4	9,073.8	33.3	25.2	92.67		230.7	2,018.4	434.3	376.1	58.19	7.464
9,400.0	9,197.4	9,258.4	9,173.8	33.3	25.2	92.67		230.7	2,018.4	434.3	376.1	58.25	7.456
9,500.0	9,297.4	9,358.4	9,273.8	33.3	25.2	92.67		230.7	2,018.4	434.3	376.0	58.31	7.449
9,600.0	9,397.4	9,458.4	9,373.8	33.4	25.3	92.67		230.7	2,018.4	434.3	376.0	58.37	7.441
9,700.0	9,497.4	9,558.4	9,473.8	33.4	25.3	92.67		230.7	2,018.4	434.3	375.9	58.43	7.433
9,800.0	9,597.4	9,658.4	9,573.8	33.4	25.3	92.67		230.7	2,018.4	434.3	375.8	58.49	7.425
9,900.0	9,697.4	9,758.4	9,673.8	33.5	25.4	92.67		230.7	2,018.4	434.3	375.8	58.55	7.418
10,000.0	9,797.4	9,858.4	9,773.8	33.5	25.4	92.67		230.7	2,018.4	434.3	375.7	58.62	7.410
10,100.0	9,897.4	9,958.4	9,873.8	33.5	25.4	92.67		230.7	2,018.4	434.3	375.6	58.68	7.402
10,200.0	9,997.4	10,058.4	9,973.8	33.5	25.5	92.67		230.7	2,018.4	434.3	375.6	58.74	7.394
10,300.0	10,097.4	10,158.4	10,073.8	33.6	25.5	92.67		230.7	2,018.4	434.3	375.5	58.80	7.386
10,400.0	10,197.4	10,258.4	10,173.8	33.6	25.6	92.67		230.7	2,018.4	434.3	375.5	58.87	7.378
10,500.0	10,297.4	10,358.4	10,273.8	33.6	25.6	92.67		230.7	2,018.4	434.3	375.4	58.93	7.370
10,600.0	10,397.4	10,458.4	10,373.8	33.7	25.6	92.67		230.7	2,018.4	434.3	375.3	59.00	7.362

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,700.0	10,497.4	10,558.4	10,473.8	33.7	25.7	92.67	230.7	2,018.4	434.3	375.3	59.06	7.354	
10,800.0	10,597.4	10,658.4	10,573.8	33.7	25.7	92.67	230.7	2,018.4	434.3	375.2	59.13	7.346	
10,900.0	10,697.4	10,758.4	10,673.8	33.7	25.8	92.67	230.7	2,018.4	434.3	375.1	59.19	7.338	
11,000.0	10,797.4	10,858.4	10,773.8	33.8	25.8	92.67	230.7	2,018.4	434.3	375.1	59.26	7.329	
11,100.0	10,897.4	10,958.4	10,873.8	33.8	25.8	92.67	230.7	2,018.4	434.3	375.0	59.32	7.321	
11,200.0	10,997.4	11,058.4	10,973.8	33.8	25.9	92.67	230.7	2,018.4	434.3	374.9	59.39	7.313	
11,300.0	11,097.4	11,158.4	11,073.8	33.9	25.9	92.67	230.7	2,018.4	434.3	374.9	59.46	7.305	
11,400.0	11,197.4	11,258.4	11,173.8	33.9	25.9	92.67	230.7	2,018.4	434.3	374.8	59.52	7.297	
11,500.0	11,297.4	11,359.2	11,274.6	33.9	26.0	92.64	231.0	2,018.4	434.3	374.8	59.49	7.301	
11,508.6	11,306.0	11,368.2	11,283.6	33.9	26.0	92.59	231.3	2,018.3	434.3	374.8	59.49	7.300	
11,550.0	11,347.4	11,411.6	11,326.7	33.9	26.0	89.77	235.5	2,018.3	434.1	374.6	59.52	7.294	
11,600.0	11,397.0	11,463.5	11,377.7	33.9	26.0	89.27	245.6	2,018.2	433.6	374.0	59.57	7.279	
11,650.0	11,446.0	11,514.8	11,426.6	33.9	26.0	88.66	260.9	2,018.1	432.9	373.3	59.64	7.258	
11,700.0	11,493.9	11,565.4	11,473.0	33.9	26.0	87.95	281.1	2,017.9	432.0	372.3	59.74	7.232	
11,750.0	11,540.3	11,615.2	11,516.3	34.0	26.0	87.13	305.6	2,017.7	431.0	371.2	59.85	7.202	
11,800.0	11,585.0	11,664.2	11,556.1	34.0	26.0	86.24	334.0	2,017.4	429.9	369.9	59.97	7.169	
11,850.0	11,627.6	11,712.1	11,592.2	34.0	26.0	85.27	365.7	2,017.1	428.8	368.7	60.10	7.134	
11,900.0	11,667.7	11,759.2	11,624.3	34.0	26.0	84.24	400.0	2,016.8	427.7	367.4	60.23	7.100	
11,950.0	11,705.0	11,805.3	11,652.3	34.0	26.0	83.15	436.6	2,016.5	426.6	366.2	60.36	7.067	
12,000.0	11,739.4	11,850.0	11,675.9	34.0	26.1	82.04	474.5	2,016.1	425.6	365.1	60.49	7.036	
12,050.0	11,770.4	11,894.7	11,695.9	34.0	26.1	80.87	514.5	2,015.8	424.8	364.2	60.61	7.009	
12,100.0	11,797.9	11,938.0	11,711.7	34.0	26.1	79.69	554.8	2,015.4	424.1	363.4	60.71	6.985	
12,150.0	11,821.6	11,980.5	11,723.5	34.1	26.1	78.50	595.6	2,015.0	423.6	362.8	60.81	6.966	
12,200.0	11,841.4	12,022.1	11,731.6	34.1	26.2	77.30	636.4	2,014.6	423.3	362.4	60.88	6.953	
12,250.0	11,857.2	12,063.0	11,736.0	34.1	26.2	76.12	677.1	2,014.3	423.1	362.2	60.93	6.945	
12,260.9	11,860.1	12,071.8	11,736.5	34.1	26.2	75.86	685.9	2,014.2	423.1	362.2	60.93	6.944	
12,300.0	11,868.7	12,105.2	11,737.0	34.2	26.3	74.90	719.2	2,013.9	423.2	362.2	60.97	6.941	
12,350.0	11,876.0	12,154.6	11,737.0	34.2	26.3	73.93	768.6	2,013.4	422.6	361.5	61.08	6.918	
12,400.0	11,878.9	12,204.4	11,737.0	34.3	26.4	73.61	818.5	2,013.0	420.8	359.7	61.19	6.878	
12,408.6	11,879.0	12,213.0	11,737.0	34.3	26.4	73.62	827.1	2,012.9	420.4	359.2	61.21	6.868	
12,500.0	11,879.0	12,304.4	11,737.0	34.4	26.5	73.51	918.4	2,012.1	417.2	355.7	61.46	6.788	
12,540.7	11,879.0	12,345.1	11,737.0	34.4	26.6	73.49	959.1	2,011.7	416.7	355.1	61.58	6.767	
12,600.0	11,879.0	12,404.4	11,737.0	34.5	26.7	73.48	1,018.4	2,011.1	416.3	354.5	61.75	6.741	
12,700.0	11,879.0	12,504.4	11,737.0	34.6	26.9	73.45	1,118.4	2,010.2	415.6	353.6	62.09	6.694	
12,800.0	11,879.0	12,604.3	11,737.0	34.8	27.1	73.43	1,218.4	2,009.3	415.0	352.6	62.46	6.645	
12,900.0	11,879.0	12,704.3	11,737.0	35.0	27.3	73.40	1,318.3	2,008.4	414.4	351.5	62.86	6.592	
13,000.0	11,879.0	12,804.3	11,737.0	35.2	27.6	73.37	1,418.3	2,007.5	413.7	350.4	63.30	6.536	
13,100.0	11,879.0	12,904.3	11,737.0	35.4	27.9	73.35	1,518.3	2,006.6	413.1	349.3	63.77	6.478	
13,200.0	11,879.0	13,004.3	11,737.0	35.6	28.2	73.32	1,618.3	2,005.7	412.5	348.2	64.28	6.417	
13,300.0	11,879.0	13,104.3	11,737.0	35.9	28.5	73.29	1,718.3	2,004.7	411.8	347.0	64.81	6.354	
13,400.0	11,879.0	13,204.3	11,737.0	36.1	28.8	73.27	1,818.3	2,003.8	411.2	345.8	65.38	6.289	
13,500.0	11,879.0	13,304.3	11,737.0	36.4	29.1	73.24	1,918.3	2,002.9	410.5	344.6	65.97	6.223	
13,600.0	11,879.0	13,404.3	11,737.0	36.7	29.5	73.21	2,018.3	2,002.0	409.9	343.3	66.60	6.155	
13,700.0	11,879.0	13,504.3	11,737.0	37.0	29.8	73.19	2,118.3	2,001.1	409.3	342.0	67.25	6.085	
13,800.0	11,879.0	13,604.3	11,737.0	37.3	30.2	73.16	2,218.3	2,000.2	408.6	340.7	67.93	6.015	
13,900.0	11,879.0	13,704.3	11,737.0	37.6	30.6	73.13	2,318.3	1,999.3	408.0	339.3	68.64	5.944	
14,000.0	11,879.0	13,804.3	11,737.0	38.0	31.0	73.11	2,418.3	1,998.3	407.4	338.0	69.37	5.872	
14,100.0	11,879.0	13,904.3	11,737.0	38.4	31.5	73.08	2,518.3	1,997.4	406.7	336.6	70.13	5.799	
14,200.0	11,879.0	14,004.3	11,737.0	38.7	31.9	73.05	2,618.3	1,996.5	406.1	335.2	70.92	5.726	
14,300.0	11,879.0	14,104.3	11,737.0	39.1	32.4	73.02	2,718.3	1,995.6	405.4	333.7	71.72	5.653	
14,400.0	11,879.0	14,204.3	11,737.0	39.5	32.8	73.00	2,818.2	1,994.7	404.8	332.2	72.55	5.579	
14,500.0	11,879.0	14,304.3	11,737.0	39.9	33.3	72.97	2,918.2	1,993.8	404.2	330.8	73.40	5.506	

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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-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		
14,600.0	11,879.0	14,404.3	11,737.0	40.3	33.8	72.94	3,018.2	1,992.8	403.5	329.3	74.27	5.433	
14,700.0	11,879.0	14,504.3	11,737.0	40.8	34.3	72.91	3,118.2	1,991.9	402.9	327.7	75.17	5.360	
14,800.0	11,879.0	14,604.3	11,737.0	41.2	34.8	72.88	3,218.2	1,991.0	402.3	326.2	76.08	5.287	
14,900.0	11,879.0	14,704.3	11,737.0	41.6	35.3	72.86	3,318.2	1,990.1	401.6	324.6	77.01	5.215	
15,000.0	11,879.0	14,804.3	11,737.0	42.1	35.8	72.83	3,418.2	1,989.2	401.0	323.0	77.96	5.143	
15,100.0	11,879.0	14,904.3	11,737.0	42.6	36.3	72.80	3,518.2	1,988.3	400.3	321.4	78.93	5.072	
15,200.0	11,879.0	15,004.3	11,737.0	43.0	36.9	72.77	3,618.2	1,987.4	399.7	319.8	79.91	5.002	
15,300.0	11,879.0	15,104.3	11,737.0	43.5	37.4	72.74	3,718.2	1,986.4	399.1	318.2	80.91	4.932	
15,400.0	11,879.0	15,204.3	11,737.0	44.0	38.0	72.72	3,818.2	1,985.5	398.4	316.5	81.93	4.863	
15,500.0	11,879.0	15,304.3	11,737.0	44.5	38.5	72.69	3,918.2	1,984.6	397.8	314.8	82.96	4.795	
15,600.0	11,879.0	15,404.3	11,737.0	45.0	39.1	72.66	4,018.2	1,983.7	397.2	313.2	84.00	4.728	
15,700.0	11,879.0	15,504.3	11,737.0	45.5	39.7	72.63	4,118.2	1,982.8	396.5	311.5	85.06	4.662	
15,800.0	11,879.0	15,604.3	11,737.0	46.1	40.2	72.60	4,218.2	1,981.9	395.9	309.8	86.14	4.596	
15,900.0	11,879.0	15,704.3	11,737.0	46.6	40.8	72.57	4,318.2	1,981.0	395.3	308.0	87.22	4.532	
16,000.0	11,879.0	15,804.3	11,737.0	47.1	41.4	72.54	4,418.1	1,980.0	394.6	306.3	88.32	4.468	
16,100.0	11,879.0	15,904.3	11,737.0	47.7	42.0	72.51	4,518.1	1,979.1	394.0	304.5	89.43	4.405	
16,200.0	11,879.0	16,004.3	11,737.0	48.2	42.6	72.48	4,618.1	1,978.2	393.3	302.8	90.56	4.344	
16,300.0	11,879.0	16,104.3	11,737.0	48.8	43.2	72.46	4,718.1	1,977.3	392.7	301.0	91.69	4.283	
16,400.0	11,879.0	16,204.3	11,737.0	49.3	43.8	72.43	4,818.1	1,976.4	392.1	299.2	92.84	4.223	
16,500.0	11,879.0	16,304.3	11,737.0	49.9	44.4	72.40	4,918.1	1,975.5	391.4	297.4	93.99	4.165	
16,600.0	11,879.0	16,404.3	11,737.0	50.5	45.1	72.37	5,018.1	1,974.6	390.8	295.6	95.16	4.107	
16,700.0	11,879.0	16,504.3	11,737.0	51.0	45.7	72.34	5,118.1	1,973.6	390.2	293.8	96.33	4.050	
16,800.0	11,879.0	16,604.3	11,737.0	51.6	46.3	72.31	5,218.1	1,972.7	389.5	292.0	97.52	3.995	
16,900.0	11,879.0	16,704.3	11,737.0	52.2	46.9	72.28	5,318.1	1,971.8	388.9	290.2	98.71	3.940	
17,000.0	11,879.0	16,804.3	11,737.0	52.8	47.6	72.25	5,418.1	1,970.9	388.3	288.4	99.91	3.886	
17,100.0	11,879.0	16,904.3	11,737.0	53.4	48.2	72.22	5,518.1	1,970.0	387.6	286.5	101.12	3.833	
17,200.0	11,879.0	17,004.3	11,737.0	54.0	48.9	72.19	5,618.1	1,969.1	387.0	284.7	102.34	3.781	
17,300.0	11,879.0	17,104.2	11,737.0	54.6	49.5	72.16	5,718.1	1,968.1	386.4	282.8	103.57	3.731	
17,400.0	11,879.0	17,204.2	11,737.0	55.2	50.2	72.13	5,818.1	1,967.2	385.7	280.9	104.80	3.681	
17,500.0	11,879.0	17,304.2	11,737.0	55.8	50.8	72.10	5,918.1	1,966.3	385.1	279.1	106.04	3.632	
17,600.0	11,879.0	17,404.2	11,737.0	56.4	51.5	72.07	6,018.0	1,965.4	384.5	277.2	107.29	3.583	
17,700.0	11,879.0	17,504.2	11,737.0	57.0	52.1	72.04	6,118.0	1,964.5	383.8	275.3	108.54	3.536	
17,800.0	11,879.0	17,604.2	11,737.0	57.6	52.8	72.00	6,218.0	1,963.6	383.2	273.4	109.80	3.490	
17,900.0	11,879.0	17,704.2	11,737.0	58.3	53.5	71.97	6,318.0	1,962.7	382.6	271.5	111.07	3.444	
18,000.0	11,879.0	17,804.2	11,737.0	58.9	54.1	71.94	6,418.0	1,961.7	381.9	269.6	112.35	3.400	
18,100.0	11,879.0	17,904.2	11,737.0	59.5	54.8	71.91	6,518.0	1,960.8	381.3	267.7	113.63	3.356	
18,200.0	11,879.0	18,004.2	11,737.0	60.1	55.5	71.88	6,618.0	1,959.9	380.7	265.7	114.91	3.313	
18,300.0	11,879.0	18,104.2	11,737.0	60.8	56.1	71.85	6,718.0	1,959.0	380.0	263.8	116.20	3.270	
18,400.0	11,879.0	18,204.2	11,737.0	61.4	56.8	71.82	6,818.0	1,958.1	379.4	261.9	117.50	3.229	
18,500.0	11,879.0	18,304.2	11,737.0	62.1	57.5	71.79	6,918.0	1,957.2	378.8	260.0	118.80	3.188	
18,600.0	11,879.0	18,404.2	11,737.0	62.7	58.2	71.76	7,018.0	1,956.3	378.1	258.0	120.10	3.148	
18,700.0	11,879.0	18,504.2	11,737.0	63.4	58.9	71.72	7,118.0	1,955.3	377.5	256.1	121.42	3.109	
18,800.0	11,879.0	18,604.2	11,737.0	64.0	59.5	71.69	7,218.0	1,954.4	376.9	254.1	122.73	3.071	
18,900.0	11,879.0	18,704.2	11,737.0	64.7	60.2	71.66	7,318.0	1,953.5	376.2	252.2	124.05	3.033	
19,000.0	11,879.0	18,804.2	11,737.0	65.3	60.9	71.63	7,418.0	1,952.6	375.6	250.2	125.38	2.996	
19,100.0	11,879.0	18,904.2	11,737.0	66.0	61.6	71.60	7,517.9	1,951.7	375.0	248.3	126.70	2.959	
19,200.0	11,879.0	19,004.2	11,737.0	66.6	62.3	71.56	7,617.9	1,950.8	374.3	246.3	128.04	2.924	
19,300.0	11,879.0	19,104.2	11,737.0	67.3	63.0	71.53	7,717.9	1,949.9	373.7	244.3	129.37	2.888	
19,400.0	11,879.0	19,204.2	11,737.0	67.9	63.7	71.50	7,817.9	1,948.9	373.1	242.3	130.71	2.854	
19,500.0	11,879.0	19,304.2	11,737.0	68.6	64.4	71.47	7,917.9	1,948.0	372.4	240.4	132.06	2.820	
19,600.0	11,879.0	19,404.2	11,737.0	69.3	65.1	71.43	8,017.9	1,947.1	371.8	238.4	133.41	2.787	
19,679.4	11,879.0	19,481.3	11,737.0	69.8	65.6	71.41	8,095.0	1,946.4	371.3	236.8	134.48	2.761 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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	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 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-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	
19,700.0	11,879.0	19,481.3	11,737.0	69.9	65.6	71.41	8,095.0	1,946.4	371.9	237.3	134.56	2.764	
19,800.0	11,879.0	19,481.3	11,737.0	70.6	65.6	71.41	8,095.0	1,946.4	390.4	260.0	130.38	2.994	
19,900.0	11,879.0	19,481.3	11,737.0	71.3	65.6	71.41	8,095.0	1,946.4	431.9	310.7	121.14	3.565	
20,000.0	11,879.0	19,481.3	11,737.0	72.0	65.6	71.41	8,095.0	1,946.4	490.6	380.0	110.60	4.435	
20,100.0	11,879.0	19,481.3	11,737.0	72.6	65.6	71.41	8,095.0	1,946.4	561.0	460.0	101.00	5.555	
20,200.0	11,879.0	19,481.3	11,737.0	73.3	65.6	71.41	8,095.0	1,946.4	639.4	546.4	93.04	6.873	
20,300.0	11,879.0	19,481.3	11,737.0	74.0	65.6	71.41	8,095.0	1,946.4	723.2	636.5	86.70	8.342	
20,400.0	11,879.0	19,481.3	11,737.0	74.7	65.6	71.41	8,095.0	1,946.4	810.6	728.9	81.70	9.922	
20,500.0	11,879.0	19,481.3	11,737.0	75.4	65.6	71.41	8,095.0	1,946.4	900.7	822.9	77.76	11.582	
20,600.0	11,879.0	19,481.3	11,737.0	76.0	65.6	71.41	8,095.0	1,946.4	992.6	918.0	74.65	13.298	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=30ft @ 3196.6usft

Offset Depths are relative to Offset Datum

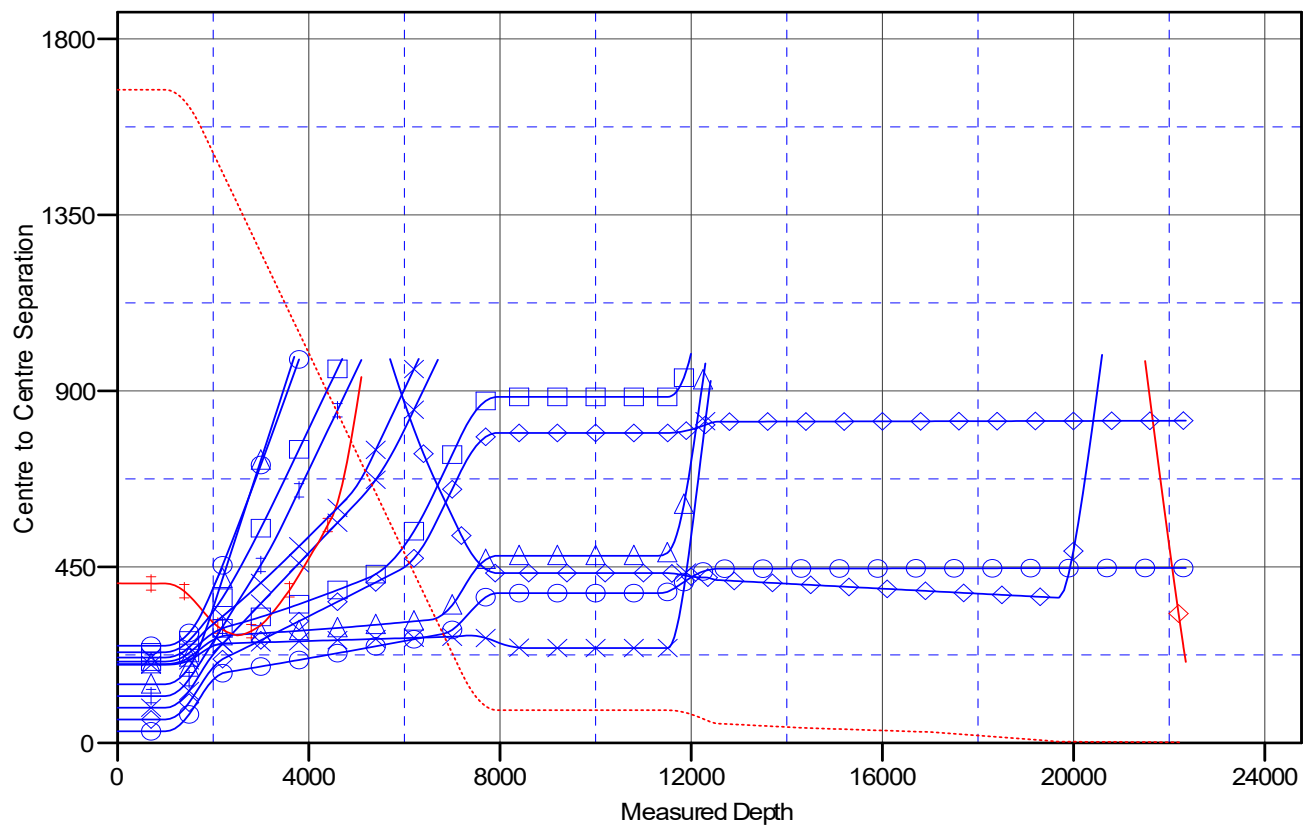
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #714H

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

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

- ZIA HILLS UNIT 1932 WC #701H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #711H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #763H OWB, PWP1 V0 - CONOCO FEDERAL #2, OWB, AWP V0 - ZIA HILLS UNIT 1932 WC #760H OWB, PWP1 V0	- ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0 - PADUCA 7 6 W/HA FEDERAL#2H, OWB, AWP V0 - ZIA HILLS UNIT 1932 WC #710H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #713H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #759H OWB, PWP1 V0	- ZIA HILLS UNIT 1932 WC #764H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #712H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #761H OWB, PWP1 V0 - ZIA HILLS UNIT 1932 WC #709H 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 #714H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	RKB=30ft @ 3196.6usft
Reference Site:	ZIA HILLS UNIT 1932 PROJECT	MD Reference:	RKB=30ft @ 3196.6usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=30ft @ 3196.6usft

Offset Depths are relative to Offset Datum

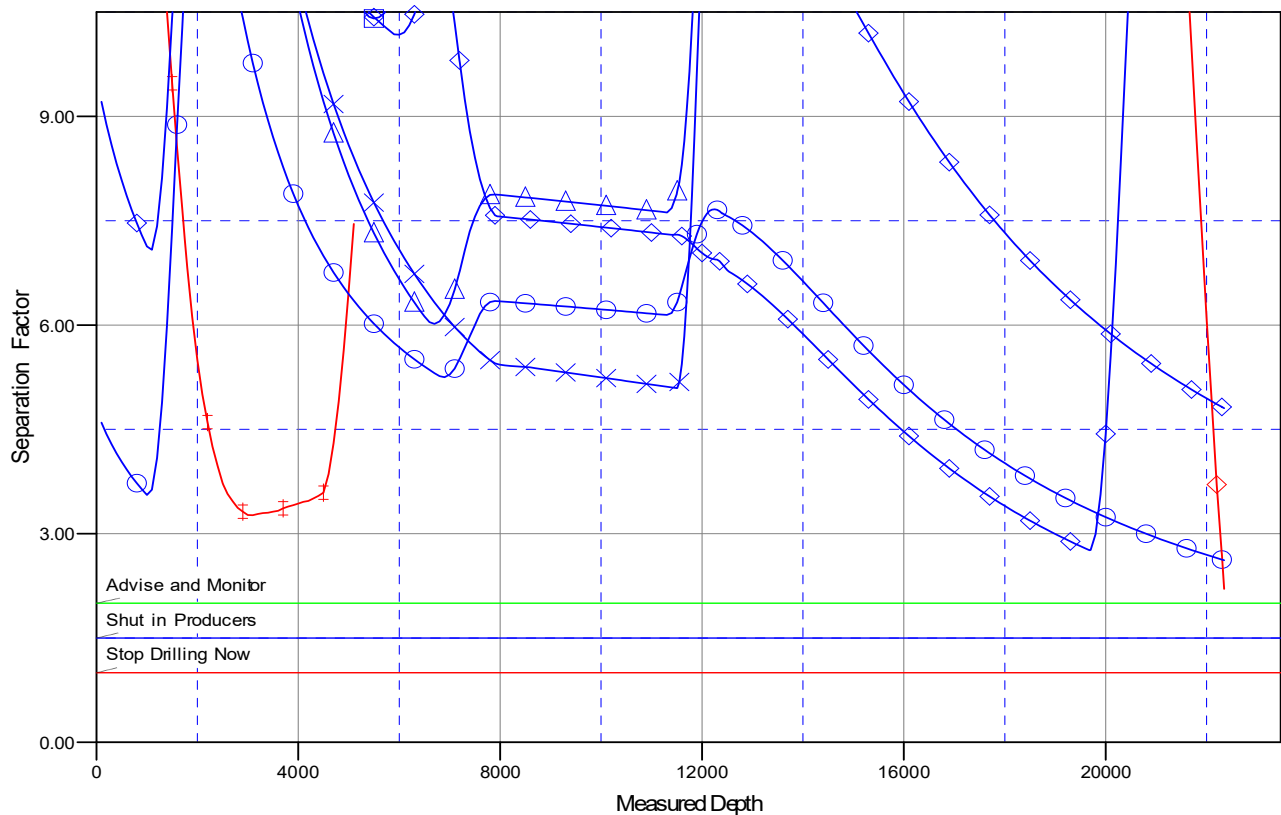
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 1932 WC #714H

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

Grid Convergence at Surface is: 0.33°

Separation Factor Plot



LEGEND

ZIA HILLS UNIT 1932 WC #701H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #762H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #764H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #711H OWB, PWP1 V0	PADUCA 7 6 W1HA FEDERAL#2H, OWB, AWP V0	ZIA HILLS UNIT 1932 WC #712H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #763H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #710H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #761H OWB, PWP1 V0
CONOCO FEDERAL #2, OWB, AWP V0	ZIA HILLS UNIT 1932 WC #713H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #765H OWB, PWP1 V0
ZIA HILLS UNIT 1932 WC #766H OWB, PWP1 V0	ZIA HILLS UNIT 1932 WC #759H OWB, PWP1 V0	

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 1932 PROJECT

ZIA HILLS UNIT 1932 WC #714H

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 #714H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #714H	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 #714H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	3.0 usft	Wellhead Elevation:	
Grid Convergence:	0.33 °		
		Latitude:	32° 1' 39.830 N
		Longitude:	103° 42' 42.284 W
		Ground Level:	3,166.6 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2023	11/1/2023	6.34	59.54	47,256.40341437

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	8.39	

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	11,508.6 PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	11,508.6	22,348.5 PWP1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-Si		

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #714H	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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,750.0	15.00	81.00	1,741.5	15.3	96.4	2.00	2.00	0.00	81.00	
7,194.0	15.00	81.00	7,000.0	235.7	1,488.1	0.00	0.00	0.00	0.00	
7,944.0	0.00	0.00	7,741.5	251.0	1,584.5	2.00	-2.00	0.00	180.00	
11,508.6	0.00	0.00	11,306.0	251.0	1,584.5	0.00	0.00	0.00	0.00	
12,408.6	90.00	2.50	11,879.0	823.4	1,609.5	10.00	10.00	0.00	2.50	
12,540.7	90.00	359.86	11,879.0	955.5	1,612.2	2.00	0.00	-2.00	-90.00	
22,298.5	90.00	359.86	11,879.0	10,713.2	1,588.0	0.00	0.00	0.00	0.00	
22,348.5	90.00	359.86	11,879.0	10,763.2	1,587.8	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #714H	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
Start Build 2.00									
1,100.0	2.00	81.00	1,100.0	0.3	1.7	0.5	2.00	2.00	0.00
1,200.0	4.00	81.00	1,199.8	1.1	6.9	2.1	2.00	2.00	0.00
1,300.0	6.00	81.00	1,299.5	2.5	15.5	4.7	2.00	2.00	0.00
1,400.0	8.00	81.00	1,398.7	4.4	27.5	8.3	2.00	2.00	0.00
1,500.0	10.00	81.00	1,497.5	6.8	43.0	13.0	2.00	2.00	0.00
1,600.0	12.00	81.00	1,595.6	9.8	61.8	18.7	2.00	2.00	0.00
1,700.0	14.00	81.00	1,693.1	13.3	84.0	25.4	2.00	2.00	0.00
1,750.0	15.00	81.00	1,741.5	15.3	96.4	29.2	2.00	2.00	0.00
Start 5444.0 hold at 1750.0 MD									
1,800.0	15.00	81.00	1,789.8	17.3	109.2	33.0	0.00	0.00	0.00
1,900.0	15.00	81.00	1,886.4	21.3	134.8	40.8	0.00	0.00	0.00
2,000.0	15.00	81.00	1,982.9	25.4	160.3	48.5	0.00	0.00	0.00
2,100.0	15.00	81.00	2,079.5	29.4	185.9	56.3	0.00	0.00	0.00
2,200.0	15.00	81.00	2,176.1	33.5	211.4	64.0	0.00	0.00	0.00
2,300.0	15.00	81.00	2,272.7	37.5	237.0	71.7	0.00	0.00	0.00
2,400.0	15.00	81.00	2,369.3	41.6	262.6	79.5	0.00	0.00	0.00
2,500.0	15.00	81.00	2,465.9	45.6	288.1	87.2	0.00	0.00	0.00
2,600.0	15.00	81.00	2,562.5	49.7	313.7	94.9	0.00	0.00	0.00
2,700.0	15.00	81.00	2,659.1	53.7	339.3	102.7	0.00	0.00	0.00
2,800.0	15.00	81.00	2,755.7	57.8	364.8	110.4	0.00	0.00	0.00
2,900.0	15.00	81.00	2,852.3	61.8	390.4	118.1	0.00	0.00	0.00
3,000.0	15.00	81.00	2,948.9	65.9	416.0	125.9	0.00	0.00	0.00
3,100.0	15.00	81.00	3,045.5	69.9	441.5	133.6	0.00	0.00	0.00
3,200.0	15.00	81.00	3,142.1	74.0	467.1	141.3	0.00	0.00	0.00
3,300.0	15.00	81.00	3,238.6	78.0	492.6	149.1	0.00	0.00	0.00
3,400.0	15.00	81.00	3,335.2	82.1	518.2	156.8	0.00	0.00	0.00
3,500.0	15.00	81.00	3,431.8	86.1	543.8	164.6	0.00	0.00	0.00
3,600.0	15.00	81.00	3,528.4	90.2	569.3	172.3	0.00	0.00	0.00
3,700.0	15.00	81.00	3,625.0	94.2	594.9	180.0	0.00	0.00	0.00
3,800.0	15.00	81.00	3,721.6	98.3	620.5	187.8	0.00	0.00	0.00
3,900.0	15.00	81.00	3,818.2	102.3	646.0	195.5	0.00	0.00	0.00
4,000.0	15.00	81.00	3,914.8	106.4	671.6	203.2	0.00	0.00	0.00
4,100.0	15.00	81.00	4,011.4	110.4	697.1	211.0	0.00	0.00	0.00
4,200.0	15.00	81.00	4,108.0	114.5	722.7	218.7	0.00	0.00	0.00
4,300.0	15.00	81.00	4,204.6	118.5	748.3	226.4	0.00	0.00	0.00
4,400.0	15.00	81.00	4,301.2	122.6	773.8	234.2	0.00	0.00	0.00
4,500.0	15.00	81.00	4,397.8	126.6	799.4	241.9	0.00	0.00	0.00
4,600.0	15.00	81.00	4,494.4	130.7	825.0	249.6	0.00	0.00	0.00
4,700.0	15.00	81.00	4,590.9	134.7	850.5	257.4	0.00	0.00	0.00
4,800.0	15.00	81.00	4,687.5	138.8	876.1	265.1	0.00	0.00	0.00
4,900.0	15.00	81.00	4,784.1	142.8	901.7	272.9	0.00	0.00	0.00
5,000.0	15.00	81.00	4,880.7	146.9	927.2	280.6	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	15.00	81.00	4,977.3	150.9	952.8	288.3	0.00	0.00	0.00
5,200.0	15.00	81.00	5,073.9	155.0	978.3	296.1	0.00	0.00	0.00
5,300.0	15.00	81.00	5,170.5	159.0	1,003.9	303.8	0.00	0.00	0.00
5,400.0	15.00	81.00	5,267.1	163.1	1,029.5	311.5	0.00	0.00	0.00
5,500.0	15.00	81.00	5,363.7	167.1	1,055.0	319.3	0.00	0.00	0.00
5,600.0	15.00	81.00	5,460.3	171.2	1,080.6	327.0	0.00	0.00	0.00
5,700.0	15.00	81.00	5,556.9	175.2	1,106.2	334.7	0.00	0.00	0.00
5,800.0	15.00	81.00	5,653.5	179.2	1,131.7	342.5	0.00	0.00	0.00
5,900.0	15.00	81.00	5,750.1	183.3	1,157.3	350.2	0.00	0.00	0.00
6,000.0	15.00	81.00	5,846.6	187.3	1,182.9	357.9	0.00	0.00	0.00
6,100.0	15.00	81.00	5,943.2	191.4	1,208.4	365.7	0.00	0.00	0.00
6,200.0	15.00	81.00	6,039.8	195.4	1,234.0	373.4	0.00	0.00	0.00
6,300.0	15.00	81.00	6,136.4	199.5	1,259.5	381.2	0.00	0.00	0.00
6,400.0	15.00	81.00	6,233.0	203.5	1,285.1	388.9	0.00	0.00	0.00
6,500.0	15.00	81.00	6,329.6	207.6	1,310.7	396.6	0.00	0.00	0.00
6,600.0	15.00	81.00	6,426.2	211.6	1,336.2	404.4	0.00	0.00	0.00
6,700.0	15.00	81.00	6,522.8	215.7	1,361.8	412.1	0.00	0.00	0.00
6,800.0	15.00	81.00	6,619.4	219.7	1,387.4	419.8	0.00	0.00	0.00
6,900.0	15.00	81.00	6,716.0	223.8	1,412.9	427.6	0.00	0.00	0.00
7,000.0	15.00	81.00	6,812.6	227.8	1,438.5	435.3	0.00	0.00	0.00
7,100.0	15.00	81.00	6,909.2	231.9	1,464.0	443.0	0.00	0.00	0.00
7,194.0	15.00	81.00	7,000.0	235.7	1,488.1	450.3	0.00	0.00	0.00
Start Drop -2.00									
7,200.0	14.88	81.00	7,005.8	235.9	1,489.6	450.8	2.00	-2.00	0.00
7,300.0	12.88	81.00	7,102.8	239.7	1,513.3	457.9	2.00	-2.00	0.00
7,400.0	10.88	81.00	7,200.7	242.9	1,533.6	464.1	2.00	-2.00	0.00
7,500.0	8.88	81.00	7,299.2	245.6	1,550.6	469.2	2.00	-2.00	0.00
7,600.0	6.88	81.00	7,398.2	247.7	1,564.1	473.3	2.00	-2.00	0.00
7,700.0	4.88	81.00	7,497.7	249.3	1,574.2	476.4	2.00	-2.00	0.00
7,800.0	2.88	81.00	7,597.5	250.4	1,580.9	478.4	2.00	-2.00	0.00
7,900.0	0.88	81.00	7,697.4	250.9	1,584.2	479.4	2.00	-2.00	0.00
7,944.0	0.00	0.00	7,741.5	251.0	1,584.5	479.5	2.00	-2.00	0.00
Start 3564.6 hold at 7944.0 MD									
8,000.0	0.00	0.00	7,797.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,100.0	0.00	0.00	7,897.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,200.0	0.00	0.00	7,997.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,300.0	0.00	0.00	8,097.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,197.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,297.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,397.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,497.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,800.0	0.00	0.00	8,597.4	251.0	1,584.5	479.5	0.00	0.00	0.00
8,900.0	0.00	0.00	8,697.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,797.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,100.0	0.00	0.00	8,897.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,200.0	0.00	0.00	8,997.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,300.0	0.00	0.00	9,097.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,400.0	0.00	0.00	9,197.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,500.0	0.00	0.00	9,297.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,600.0	0.00	0.00	9,397.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,700.0	0.00	0.00	9,497.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,800.0	0.00	0.00	9,597.4	251.0	1,584.5	479.5	0.00	0.00	0.00
9,900.0	0.00	0.00	9,697.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,000.0	0.00	0.00	9,797.4	251.0	1,584.5	479.5	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,100.0	0.00	0.00	9,897.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,200.0	0.00	0.00	9,997.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,300.0	0.00	0.00	10,097.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,400.0	0.00	0.00	10,197.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,500.0	0.00	0.00	10,297.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,600.0	0.00	0.00	10,397.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,700.0	0.00	0.00	10,497.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,800.0	0.00	0.00	10,597.4	251.0	1,584.5	479.5	0.00	0.00	0.00
10,900.0	0.00	0.00	10,697.4	251.0	1,584.5	479.5	0.00	0.00	0.00
11,000.0	0.00	0.00	10,797.4	251.0	1,584.5	479.5	0.00	0.00	0.00
11,100.0	0.00	0.00	10,897.4	251.0	1,584.5	479.5	0.00	0.00	0.00
11,200.0	0.00	0.00	10,997.4	251.0	1,584.5	479.5	0.00	0.00	0.00
11,300.0	0.00	0.00	11,097.4	251.0	1,584.5	479.5	0.00	0.00	0.00
11,400.0	0.00	0.00	11,197.4	251.0	1,584.5	479.5	0.00	0.00	0.00
11,508.6	0.00	0.00	11,306.0	251.0	1,584.5	479.5	0.00	0.00	0.00
Start Build 10.00									
11,550.0	4.14	2.50	11,347.4	252.5	1,584.6	481.0	10.00	10.00	0.00
11,600.0	9.14	2.50	11,397.0	258.2	1,584.8	486.7	10.00	10.00	0.00
11,650.0	14.14	2.50	11,446.0	268.3	1,585.3	496.8	10.00	10.00	0.00
11,700.0	19.14	2.50	11,493.9	282.6	1,585.9	511.0	10.00	10.00	0.00
11,750.0	24.14	2.50	11,540.3	301.0	1,586.7	529.3	10.00	10.00	0.00
11,800.0	29.14	2.50	11,585.0	323.4	1,587.7	551.6	10.00	10.00	0.00
11,850.0	34.14	2.50	11,627.6	349.6	1,588.8	577.7	10.00	10.00	0.00
11,900.0	39.14	2.50	11,667.7	379.4	1,590.1	607.4	10.00	10.00	0.00
11,950.0	44.14	2.50	11,705.0	412.6	1,591.6	640.4	10.00	10.00	0.00
12,000.0	49.14	2.50	11,739.4	448.9	1,593.1	676.6	10.00	10.00	0.00
12,050.0	54.14	2.50	11,770.4	488.0	1,594.9	715.5	10.00	10.00	0.00
12,100.0	59.14	2.50	11,797.9	529.7	1,596.7	757.1	10.00	10.00	0.00
12,150.0	64.14	2.50	11,821.6	573.7	1,598.6	800.8	10.00	10.00	0.00
12,200.0	69.14	2.50	11,841.4	619.5	1,600.6	846.5	10.00	10.00	0.00
12,250.0	74.14	2.50	11,857.2	666.9	1,602.7	893.7	10.00	10.00	0.00
12,300.0	79.14	2.50	11,868.7	715.5	1,604.8	942.0	10.00	10.00	0.00
12,350.0	84.14	2.50	11,876.0	764.9	1,606.9	991.2	10.00	10.00	0.00
12,400.0	89.14	2.50	11,878.9	814.8	1,609.1	1,040.9	10.00	10.00	0.00
12,408.6	90.00	2.50	11,879.0	823.4	1,609.5	1,049.4	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
12,500.0	90.00	0.67	11,879.0	914.7	1,612.0	1,140.2	2.00	0.00	-2.00
12,540.7	90.00	359.86	11,879.0	955.5	1,612.2	1,180.5	2.00	0.00	-2.00
Start 9757.7 hold at 12540.7 MD									
12,600.0	90.00	359.86	11,879.0	1,014.7	1,612.1	1,239.1	0.00	0.00	0.00
12,700.0	90.00	359.86	11,879.0	1,114.7	1,611.8	1,338.0	0.00	0.00	0.00
12,800.0	90.00	359.86	11,879.0	1,214.7	1,611.6	1,436.9	0.00	0.00	0.00
12,900.0	90.00	359.86	11,879.0	1,314.7	1,611.3	1,535.8	0.00	0.00	0.00
13,000.0	90.00	359.86	11,879.0	1,414.7	1,611.1	1,634.7	0.00	0.00	0.00
13,100.0	90.00	359.86	11,879.0	1,514.7	1,610.8	1,733.6	0.00	0.00	0.00
13,200.0	90.00	359.86	11,879.0	1,614.7	1,610.6	1,832.5	0.00	0.00	0.00
13,300.0	90.00	359.86	11,879.0	1,714.7	1,610.3	1,931.3	0.00	0.00	0.00
13,400.0	90.00	359.86	11,879.0	1,814.7	1,610.1	2,030.2	0.00	0.00	0.00
13,500.0	90.00	359.86	11,879.0	1,914.7	1,609.8	2,129.1	0.00	0.00	0.00
13,600.0	90.00	359.86	11,879.0	2,014.7	1,609.6	2,228.0	0.00	0.00	0.00
13,700.0	90.00	359.86	11,879.0	2,114.7	1,609.3	2,326.9	0.00	0.00	0.00
13,800.0	90.00	359.86	11,879.0	2,214.7	1,609.1	2,425.8	0.00	0.00	0.00
13,900.0	90.00	359.86	11,879.0	2,314.7	1,608.8	2,524.7	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 #714H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #714H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,000.0	90.00	359.86	11,879.0	2,414.7	1,608.6	2,623.6	0.00	0.00	0.00
14,100.0	90.00	359.86	11,879.0	2,514.7	1,608.3	2,722.5	0.00	0.00	0.00
14,200.0	90.00	359.86	11,879.0	2,614.7	1,608.1	2,821.4	0.00	0.00	0.00
14,300.0	90.00	359.86	11,879.0	2,714.7	1,607.8	2,920.3	0.00	0.00	0.00
14,400.0	90.00	359.86	11,879.0	2,814.7	1,607.6	3,019.2	0.00	0.00	0.00
14,500.0	90.00	359.86	11,879.0	2,914.7	1,607.3	3,118.1	0.00	0.00	0.00
14,600.0	90.00	359.86	11,879.0	3,014.7	1,607.1	3,217.0	0.00	0.00	0.00
14,700.0	90.00	359.86	11,879.0	3,114.7	1,606.8	3,315.8	0.00	0.00	0.00
14,800.0	90.00	359.86	11,879.0	3,214.7	1,606.6	3,414.7	0.00	0.00	0.00
14,900.0	90.00	359.86	11,879.0	3,314.7	1,606.3	3,513.6	0.00	0.00	0.00
15,000.0	90.00	359.86	11,879.0	3,414.7	1,606.1	3,612.5	0.00	0.00	0.00
15,100.0	90.00	359.86	11,879.0	3,514.7	1,605.9	3,711.4	0.00	0.00	0.00
15,200.0	90.00	359.86	11,879.0	3,614.7	1,605.6	3,810.3	0.00	0.00	0.00
15,300.0	90.00	359.86	11,879.0	3,714.7	1,605.4	3,909.2	0.00	0.00	0.00
15,400.0	90.00	359.86	11,879.0	3,814.7	1,605.1	4,008.1	0.00	0.00	0.00
15,500.0	90.00	359.86	11,879.0	3,914.7	1,604.9	4,107.0	0.00	0.00	0.00
15,600.0	90.00	359.86	11,879.0	4,014.7	1,604.6	4,205.9	0.00	0.00	0.00
15,700.0	90.00	359.86	11,879.0	4,114.7	1,604.4	4,304.8	0.00	0.00	0.00
15,800.0	90.00	359.86	11,879.0	4,214.7	1,604.1	4,403.7	0.00	0.00	0.00
15,900.0	90.00	359.86	11,879.0	4,314.7	1,603.9	4,502.6	0.00	0.00	0.00
16,000.0	90.00	359.86	11,879.0	4,414.7	1,603.6	4,601.5	0.00	0.00	0.00
16,100.0	90.00	359.86	11,879.0	4,514.7	1,603.4	4,700.3	0.00	0.00	0.00
16,200.0	90.00	359.86	11,879.0	4,614.7	1,603.1	4,799.2	0.00	0.00	0.00
16,300.0	90.00	359.86	11,879.0	4,714.7	1,602.9	4,898.1	0.00	0.00	0.00
16,400.0	90.00	359.86	11,879.0	4,814.7	1,602.6	4,997.0	0.00	0.00	0.00
16,500.0	90.00	359.86	11,879.0	4,914.7	1,602.4	5,095.9	0.00	0.00	0.00
16,600.0	90.00	359.86	11,879.0	5,014.7	1,602.1	5,194.8	0.00	0.00	0.00
16,700.0	90.00	359.86	11,879.0	5,114.7	1,601.9	5,293.7	0.00	0.00	0.00
16,800.0	90.00	359.86	11,879.0	5,214.7	1,601.6	5,392.6	0.00	0.00	0.00
16,900.0	90.00	359.86	11,879.0	5,314.7	1,601.4	5,491.5	0.00	0.00	0.00
17,000.0	90.00	359.86	11,879.0	5,414.7	1,601.1	5,590.4	0.00	0.00	0.00
17,100.0	90.00	359.86	11,879.0	5,514.7	1,600.9	5,689.3	0.00	0.00	0.00
17,200.0	90.00	359.86	11,879.0	5,614.7	1,600.6	5,788.2	0.00	0.00	0.00
17,300.0	90.00	359.86	11,879.0	5,714.7	1,600.4	5,887.1	0.00	0.00	0.00
17,400.0	90.00	359.86	11,879.0	5,814.7	1,600.1	5,986.0	0.00	0.00	0.00
17,500.0	90.00	359.86	11,879.0	5,914.7	1,599.9	6,084.9	0.00	0.00	0.00
17,600.0	90.00	359.86	11,879.0	6,014.7	1,599.6	6,183.7	0.00	0.00	0.00
17,700.0	90.00	359.86	11,879.0	6,114.7	1,599.4	6,282.6	0.00	0.00	0.00
17,800.0	90.00	359.86	11,879.0	6,214.7	1,599.1	6,381.5	0.00	0.00	0.00
17,900.0	90.00	359.86	11,879.0	6,314.7	1,598.9	6,480.4	0.00	0.00	0.00
18,000.0	90.00	359.86	11,879.0	6,414.7	1,598.6	6,579.3	0.00	0.00	0.00
18,100.0	90.00	359.86	11,879.0	6,514.7	1,598.4	6,678.2	0.00	0.00	0.00
18,200.0	90.00	359.86	11,879.0	6,614.7	1,598.2	6,777.1	0.00	0.00	0.00
18,300.0	90.00	359.86	11,879.0	6,714.7	1,597.9	6,876.0	0.00	0.00	0.00
18,400.0	90.00	359.86	11,879.0	6,814.7	1,597.7	6,974.9	0.00	0.00	0.00
18,500.0	90.00	359.86	11,879.0	6,914.7	1,597.4	7,073.8	0.00	0.00	0.00
18,600.0	90.00	359.86	11,879.0	7,014.7	1,597.2	7,172.7	0.00	0.00	0.00
18,700.0	90.00	359.86	11,879.0	7,114.7	1,596.9	7,271.6	0.00	0.00	0.00
18,800.0	90.00	359.86	11,879.0	7,214.7	1,596.7	7,370.5	0.00	0.00	0.00
18,900.0	90.00	359.86	11,879.0	7,314.7	1,596.4	7,469.4	0.00	0.00	0.00
19,000.0	90.00	359.86	11,879.0	7,414.7	1,596.2	7,568.2	0.00	0.00	0.00
19,100.0	90.00	359.86	11,879.0	7,514.7	1,595.9	7,667.1	0.00	0.00	0.00
19,200.0	90.00	359.86	11,879.0	7,614.7	1,595.7	7,766.0	0.00	0.00	0.00
19,300.0	90.00	359.86	11,879.0	7,714.7	1,595.4	7,864.9	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #714H	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)	
19,400.0	90.00	359.86	11,879.0	7,814.7	1,595.2	7,963.8	0.00	0.00	0.00	
19,500.0	90.00	359.86	11,879.0	7,914.7	1,594.9	8,062.7	0.00	0.00	0.00	
19,600.0	90.00	359.86	11,879.0	8,014.7	1,594.7	8,161.6	0.00	0.00	0.00	
19,700.0	90.00	359.86	11,879.0	8,114.7	1,594.4	8,260.5	0.00	0.00	0.00	
19,800.0	90.00	359.86	11,879.0	8,214.7	1,594.2	8,359.4	0.00	0.00	0.00	
19,900.0	90.00	359.86	11,879.0	8,314.7	1,593.9	8,458.3	0.00	0.00	0.00	
20,000.0	90.00	359.86	11,879.0	8,414.7	1,593.7	8,557.2	0.00	0.00	0.00	
20,100.0	90.00	359.86	11,879.0	8,514.7	1,593.4	8,656.1	0.00	0.00	0.00	
20,200.0	90.00	359.86	11,879.0	8,614.7	1,593.2	8,755.0	0.00	0.00	0.00	
20,300.0	90.00	359.86	11,879.0	8,714.7	1,592.9	8,853.9	0.00	0.00	0.00	
20,400.0	90.00	359.86	11,879.0	8,814.7	1,592.7	8,952.7	0.00	0.00	0.00	
20,500.0	90.00	359.86	11,879.0	8,914.7	1,592.4	9,051.6	0.00	0.00	0.00	
20,600.0	90.00	359.86	11,879.0	9,014.7	1,592.2	9,150.5	0.00	0.00	0.00	
20,700.0	90.00	359.86	11,879.0	9,114.7	1,591.9	9,249.4	0.00	0.00	0.00	
20,800.0	90.00	359.86	11,879.0	9,214.7	1,591.7	9,348.3	0.00	0.00	0.00	
20,900.0	90.00	359.86	11,879.0	9,314.7	1,591.4	9,447.2	0.00	0.00	0.00	
21,000.0	90.00	359.86	11,879.0	9,414.7	1,591.2	9,546.1	0.00	0.00	0.00	
21,100.0	90.00	359.86	11,879.0	9,514.7	1,590.9	9,645.0	0.00	0.00	0.00	
21,200.0	90.00	359.86	11,879.0	9,614.7	1,590.7	9,743.9	0.00	0.00	0.00	
21,300.0	90.00	359.86	11,879.0	9,714.7	1,590.5	9,842.8	0.00	0.00	0.00	
21,400.0	90.00	359.86	11,879.0	9,814.7	1,590.2	9,941.7	0.00	0.00	0.00	
21,500.0	90.00	359.86	11,879.0	9,914.7	1,590.0	10,040.6	0.00	0.00	0.00	
21,600.0	90.00	359.86	11,879.0	10,014.7	1,589.7	10,139.5	0.00	0.00	0.00	
21,700.0	90.00	359.86	11,879.0	10,114.7	1,589.5	10,238.4	0.00	0.00	0.00	
21,800.0	90.00	359.86	11,879.0	10,214.7	1,589.2	10,337.2	0.00	0.00	0.00	
21,900.0	90.00	359.86	11,879.0	10,314.7	1,589.0	10,436.1	0.00	0.00	0.00	
22,000.0	90.00	359.86	11,879.0	10,414.7	1,588.7	10,535.0	0.00	0.00	0.00	
22,100.0	90.00	359.86	11,879.0	10,514.7	1,588.5	10,633.9	0.00	0.00	0.00	
22,200.0	90.00	359.86	11,879.0	10,614.7	1,588.2	10,732.8	0.00	0.00	0.00	
22,298.5	90.00	359.86	11,879.0	10,713.2	1,588.0	10,830.2	0.00	0.00	0.00	
Start 50.0 hold at 22298.5 MD										
22,300.0	90.00	359.86	11,879.0	10,714.7	1,588.0	10,831.7	0.00	0.00	0.00	
22,348.5	90.00	359.86	11,879.0	10,763.2	1,587.8	10,879.7	0.00	0.00	0.00	
TD at 22348.5										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
PBHL (ZHU 1932 WC #; - plan misses target center by 0.2usft at 22348.5usft MD (11879.0 TVD, 10763.2 N, 1587.8 E) - Rectangle (sides W100.0 H10,688.1 D20.0)	0.00	179.86	11,879.0	10,763.2	1,587.6	385,131.90	694,220.22	32° 3' 26.252 N		103° 42' 23.116 W
LTP (ZHU 1932 WC #71 - plan hits target center - Point	0.00	0.00	11,879.0	10,713.2	1,588.0	385,081.90	694,220.56	32° 3' 25.758 N		103° 42' 23.115 W
FTP (ZHU 1932 WC #71 - plan misses target center by 370.1usft at 11889.1usft MD (11659.2 TVD, 372.6 N, 1589.8 E) - Circle (radius 50.0)	0.00	0.00	11,879.0	75.8	1,612.6	374,444.51	694,245.20	32° 1' 40.488 N		103° 42' 23.547 W

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 1932 WC #714H
Company:	DELAWARE BASIN EAST	TVD Reference:	RKB=30ft @ 3196.6usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	RKB=30ft @ 3196.6usft
Site:	ZIA HILLS UNIT 1932 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 1932 WC #714H	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)	
1,000.0	1,000.0	0.0	0.0	Start Build 2.00
1,750.0	1,741.5	15.3	96.4	Start 5444.0 hold at 1750.0 MD
7,194.0	7,000.0	235.7	1,488.1	Start Drop -2.00
7,944.0	7,741.5	251.0	1,584.5	Start 3564.6 hold at 7944.0 MD
11,508.6	11,306.0	251.0	1,584.5	Start Build 10.00
12,408.6	11,879.0	823.4	1,609.5	Start DLS 2.00 TFO -90.00
12,540.7	11,879.0	955.5	1,612.2	Start 9757.7 hold at 12540.7 MD
22,298.5	11,879.0	10,713.2	1,588.0	Start 50.0 hold at 22298.5 MD
22,348.5	11,879.0	10,763.2	1,587.8	TD at 22348.5



Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS UNIT 1932 PROJECT
Well: ZIA HILLS UNIT 1932 WC #714H
Wellbore: OWB
Design: PWP1
GL: 3166.6
RKB=30ft @ 3196.6usft

WELL DETAILS: ZIA HILLS UNIT 1932 WC #714H

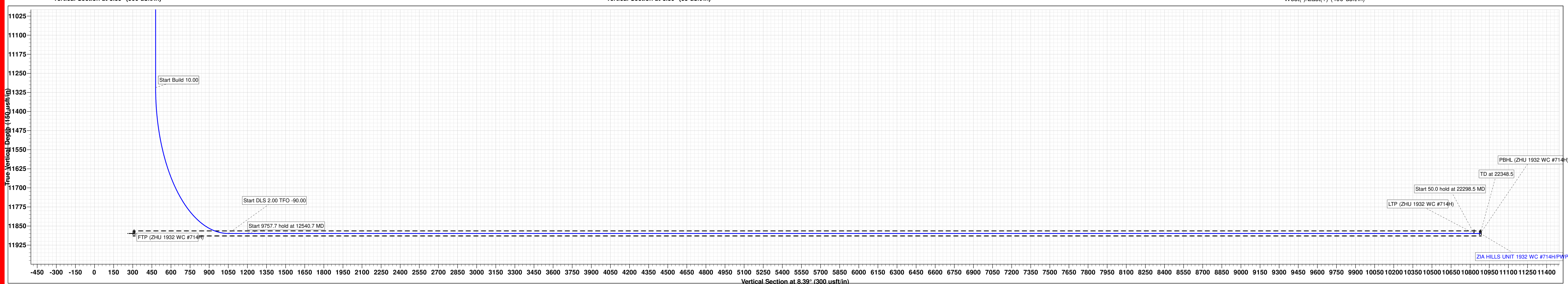
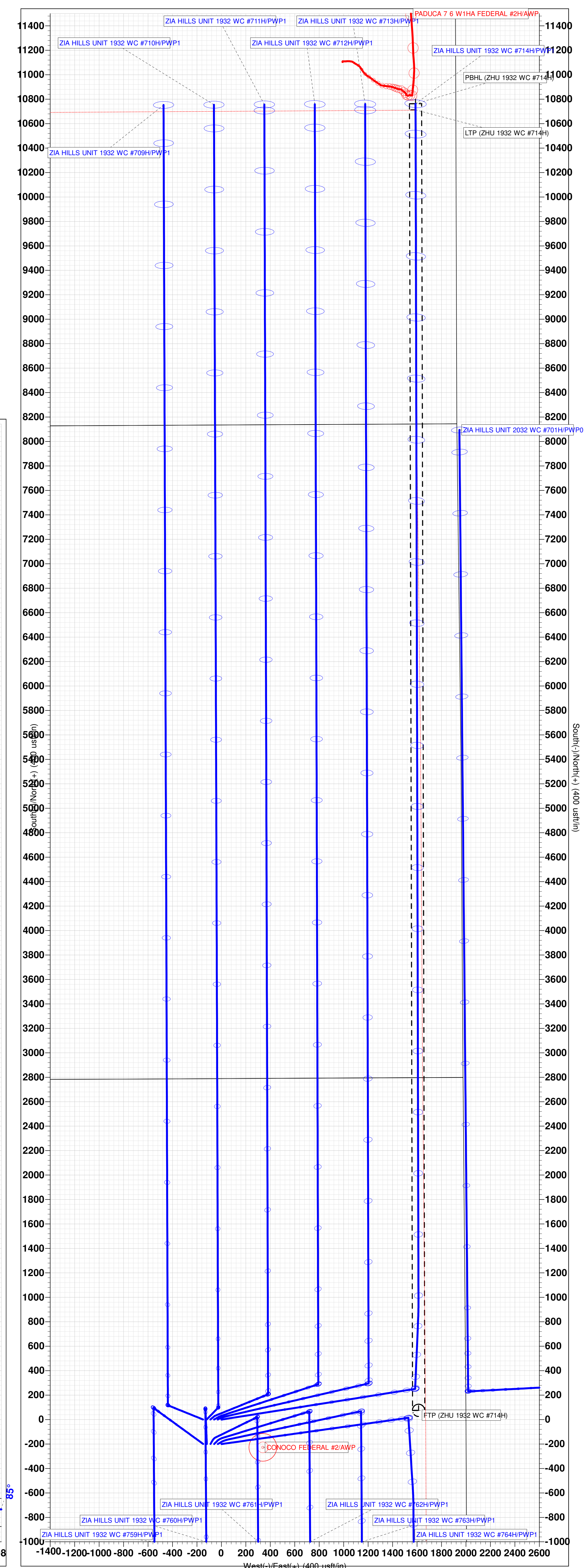
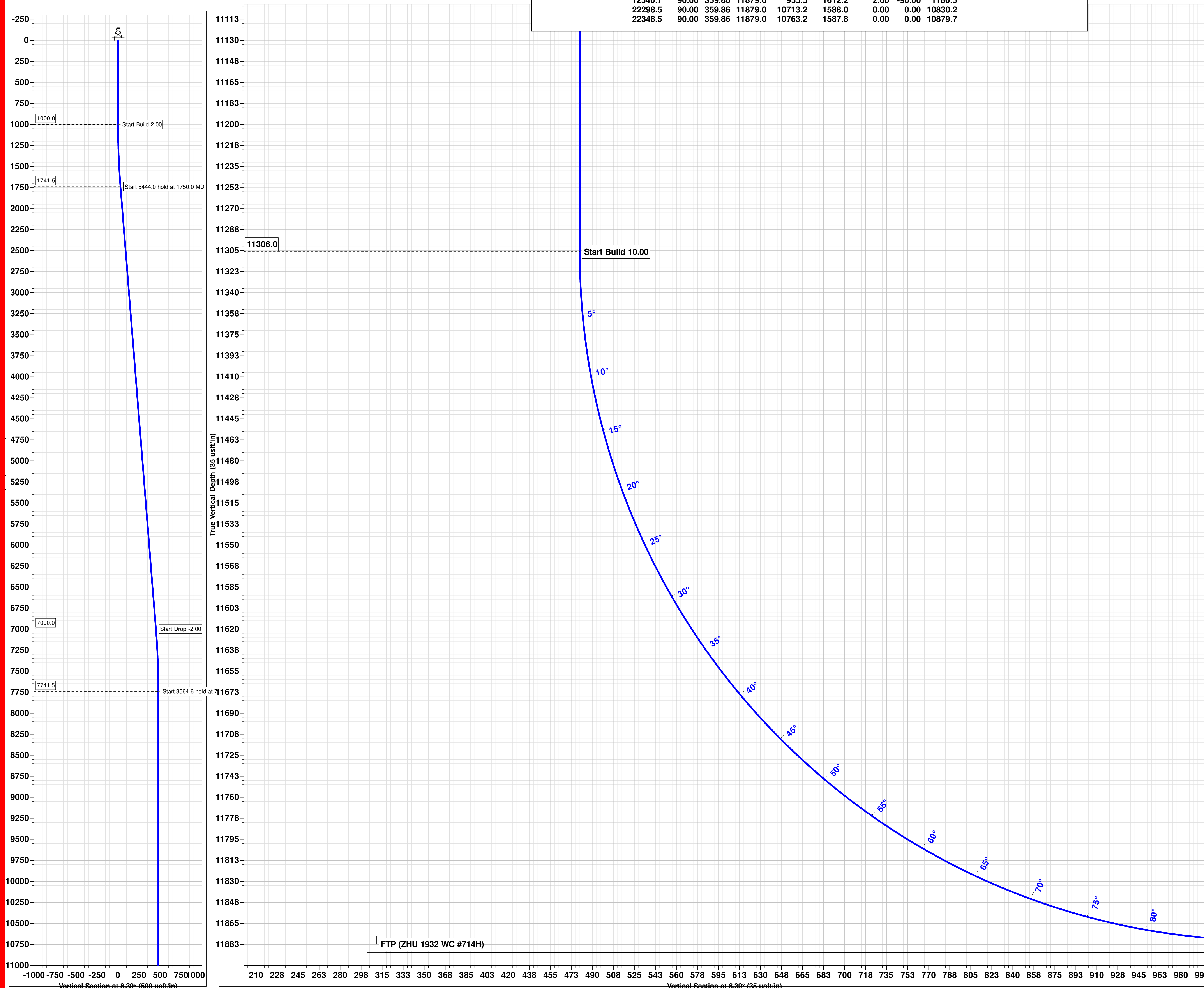
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	374368.74	692632.59	32° 1' 39.830 N	103° 42' 42.284 W

DESIGN TARGET DETAILS

Name	TVĐ	+N/-S	+E/-W	Northing	Easting
FTP (ZHU 1932 WC #714H)	11879.0	75.8	1612.6	374444.51	694245.20
LTH (ZHU 1932 WC #714H)	11879.0	10713.2	1588.0	385081.90	694220.56
PBLH (ZHU 1932 WC #714H)	11879.0	10763.2	1587.6	385131.90	694220.22

SECTION DETAILS

MD	Inc	Azi	TVD	+N+S	+E+W	Dleg	Tface	Vsect
0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0
1750.0	15.00	81.00	1741.5	15.3	96.4	2.00	81.00	29.2
7194.0	15.00	81.00	7000.0	235.7	1488.1	0.00	0.00	450.3
7944.0	0.00	0.00	7741.5	251.0	1584.5	2.00	180.00	479.5
11958.6	90.00	0.00	11306.0	251.0	1384.5	0.00	0.00	1190.5
12486.6	90.00	359.86	11879.0	823.4	1587.8	0.00	359.86	1248.5
12540.7	90.00	359.86	11879.0	955.5	1612.2	2.00	-90.00	1189.5
22298.5	90.00	359.86	11879.0	10713.2	1588.0	0.00	0.00	10830.2
22348.5	90.00	359.86	11879.0	10763.2	1587.8	0.00	0.00	10879.7



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

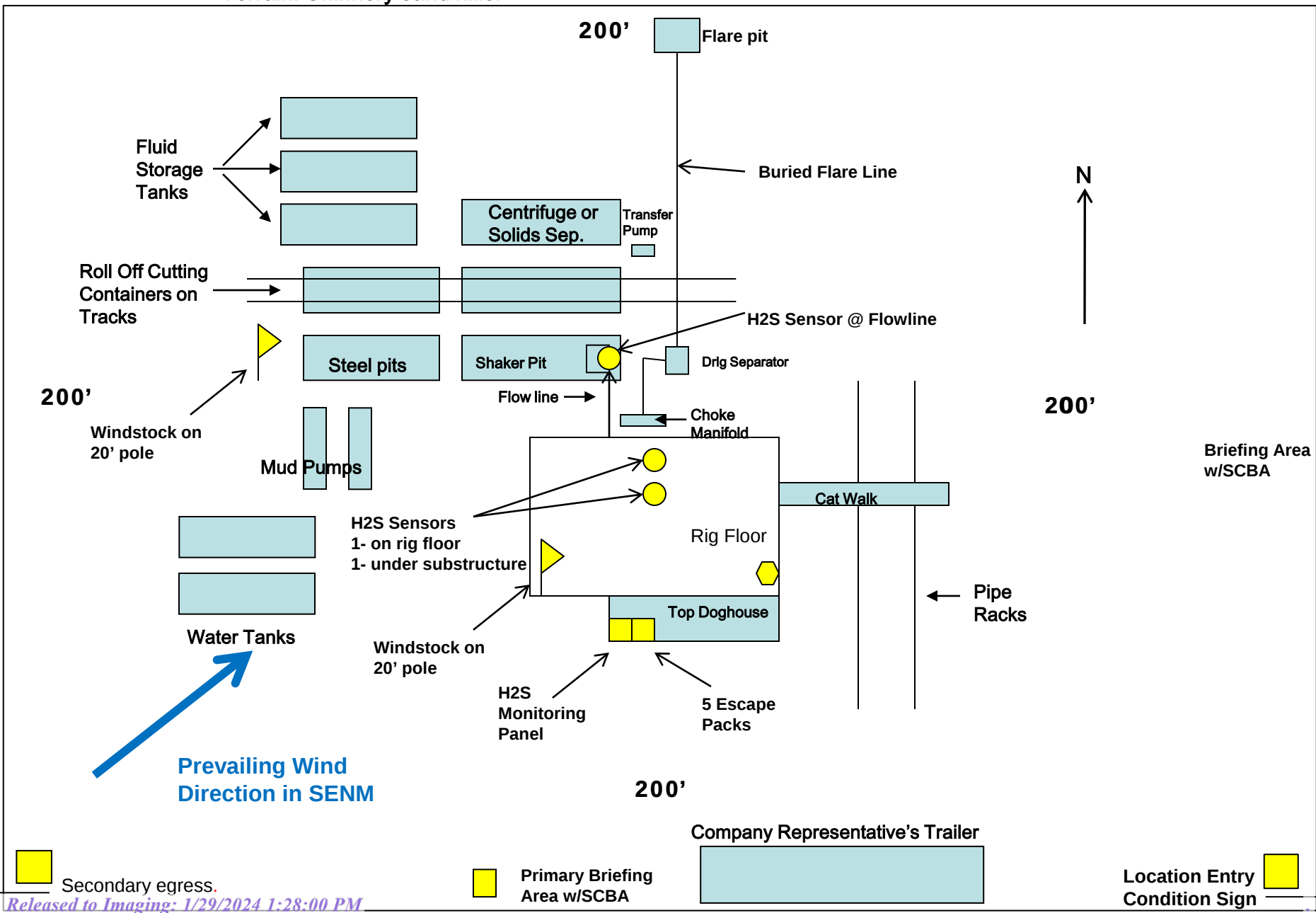
All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location 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 306328

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 306328
	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