

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER 1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other 1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		5. Lease Serial No. 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No.
2. Name of Operator		9. API Well No. 30-025-54923
3a. Address	3b. Phone No. (include area code)	10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish 13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
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). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM. |
|---|---|

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

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

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



(Continued on page 2)

*(Instructions on page 2)

Additional Operator Remarks

Location of Well

0. SHL: NWNW / 250 FNL / 965 FWL / TWSP: 26S / RANGE: 32E / SECTION: 25 / LAT: 32.020215 / LONG: -103.633937 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 1965 FWL / TWSP: 26S / RANGE: 32E / SECTION: 25 / LAT: 32.020639 / LONG: -103.630708 (TVD: 12064 feet, MD: 12188 feet)

BHL: LOT 3 / 50 FSL / 1965 FWL / TWSP: 26S / RANGE: 32E / SECTION: 36 / LAT: 32.000371 / LONG: -103.630683 (TVD: 12184 feet, MD: 19482 feet)

BLM Point of Contact

Name: JANET D ESTES

Title: ADJUDICATOR

Phone: (575) 234-6233

Email: JESTES@BLM.GOV

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal
			☐ Amended Report
			☐ As Drilled

WELL LOCATION INFORMATION

API Number 30-025-54923	Pool Code 98081	Pool Name Zia Hills; Wolfcamp
Property Code 337697	Property Name ZIA HILLS UNIT 2532 WC	Well Number 705H
OGRID No. 217817	Operator Name CONOCOPHILLIPS COMPANY	Ground Level Elevation 3,130.21'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL D	Section 25	Township 26S	Range 32E	Lot	Ft. from N/S 250' FNL	Ft. from E/W 965' FWL	Latitude 32.020215°	Longitude -103.633937°	County LEA
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Bottom Hole Location

UL LOT 3	Section 36	Township 26S	Range 32E	Lot	Ft. from N/S 50' FSL	Ft. from E/W 1,965' FWL	Latitude 32.000371°	Longitude -103.630683°	County LEA
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Dedicated Acres 899.76	Infill or Defining Well Infill	Defining Well API Pending 703	Overlapping Spacing Unit (Y/N)	Consolidation Code Unit
Order Numbers. R-20080			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL D	Section 25	Township 26S	Range 32E	Lot	Ft. from N/S 250' FNL	Ft. from E/W 965' FWL	Latitude 32.020215°	Longitude -103.633937°	County LEA
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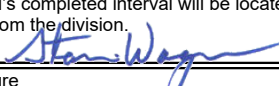
First Take Point (FTP)

UL C	Section 25	Township 26S	Range 32E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 1,965' FWL	Latitude 32.020639°	Longitude -103.630708°	County LEA
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Last Take Point (LTP)

UL LOT 3	Section 36	Township 26S	Range 32E	Lot	Ft. from N/S 100' FSL	Ft. from E/W 1,965' FWL	Latitude 32.000509°	Longitude -103.630683°	County LEA
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Unitized Area or Area of Uniform Interest Unit	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
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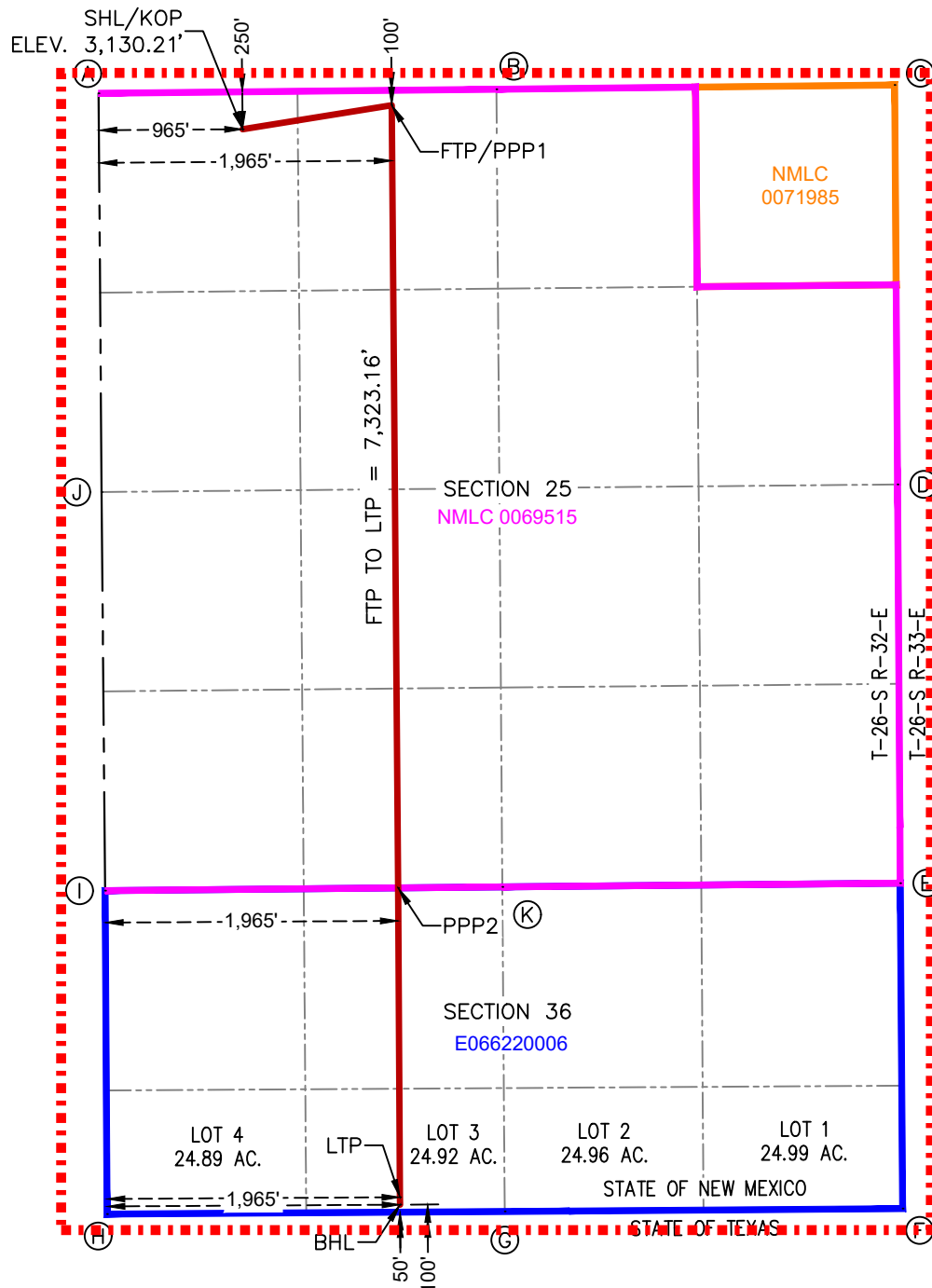
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.  Signature: Stan Wagner Date: 1/16/2025		SURVEYOR CERTIFICATIONS 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.  Signature and Seal of Professional Surveyor Date: 12/16/2024	
Printed Name		Certificate Number	Date of Survey
Stan Wagner		12177	12/16/2024
Email Address			

Note: 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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



**SURFACE HOLE LOCATION
& KICK-OFF POINT**
250' FNL & 965' FWL
ELEV.=3,130.21'

NAD 83 X = 758,096.69'
NAD 83 Y = 371,794.60'
NAD 83 LAT = 32.020215°
NAD 83 LONG = -103.633937°

**FIRST TAKE POINT &
PENETRATION POINT 1**
100' FNL & 1,965' FWL
NAD 83 X = 759,096.60'
NAD 83 Y = 371,955.36'
NAD 83 LAT = 32.020639°
NAD 83 LONG = -103.630708°

PENETRATION POINT 2
0' FNL & 1,965' FWL
NAD 83 X = 759,139.46'
NAD 83 Y = 366,706.46'
NAD 83 LAT = 32.006210°
NAD 83 LONG = -103.630680°

LAST TAKE POINT
100' FSL & 1,965' FWL
NAD 83 X = 759,151.85'
NAD 83 Y = 364,632.41'
NAD 83 LAT = 32.000509°
NAD 83 LONG = -103.630683°

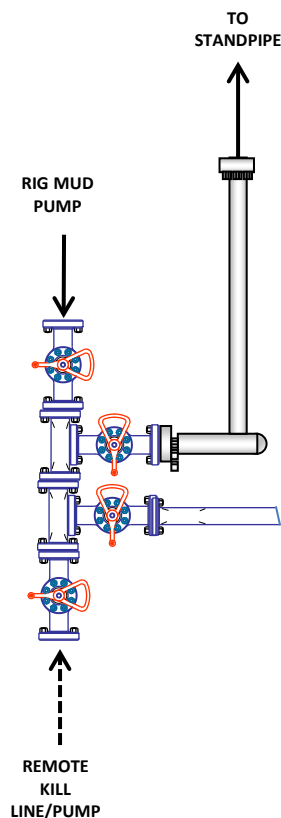
BOTTOM HOLE LOCATION
50' FSL & 1,965' FWL
NAD 83 X = 759,152.15'
NAD 83 Y = 364,582.41'
NAD 83 LAT = 32.000371°
NAD 83 LONG = -103.630683°

**CORNER COORDINATES
NEW MEXICO EAST - NAD 83**

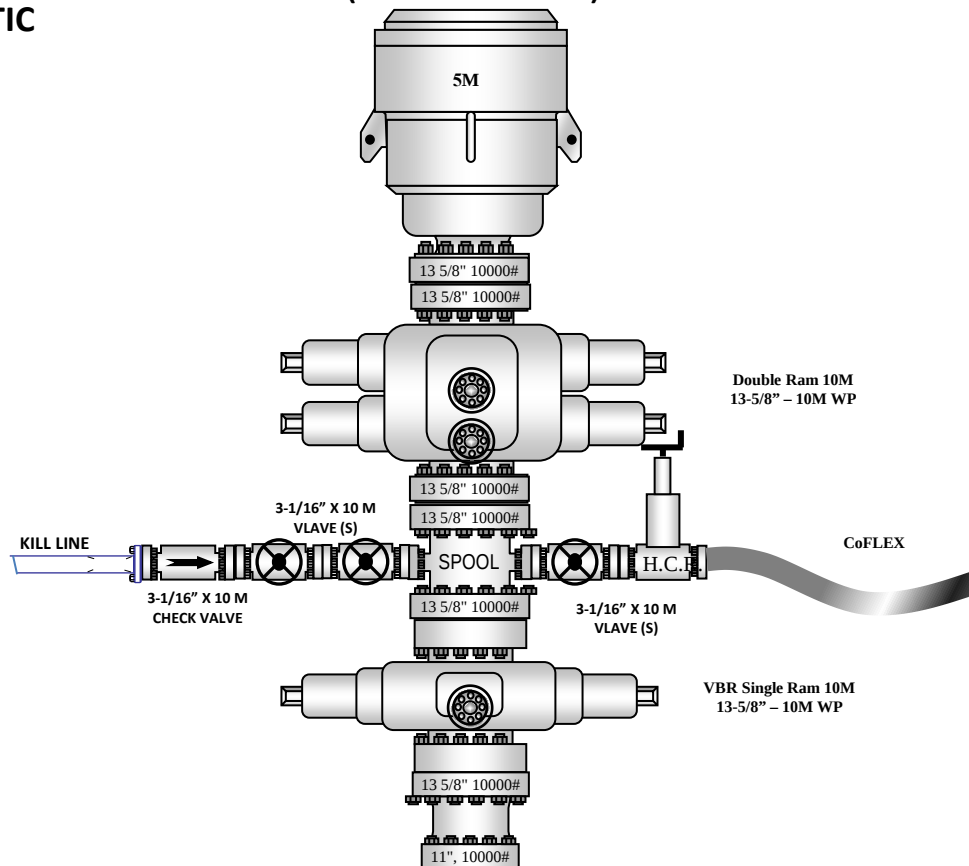
A	IRON PIPE W/BRASS CAP N:372,035.56' E:757,130.94'	E	IRON PIPE W/BRASS CAP N:366,738.27' E:762,506.35'	I	IRON PIPE W/BRASS CAP N:366,688.03' E:757,174.54'
B	IRON PIPE W/BRASS CAP N:372,062.44' E:759,798.66'	F	IRON PIPE W/BRASS CAP N:364,556.02' E:762,522.03'	J	IRON PIPE W/BRASS CAP N:369,361.57' E:757,151.04'
C	IRON PIPE W/BRASS CAP N:372,090.91' E:762,468.69'	G	IRON PIPE W/BRASS CAP N:364,537.04' E:759,854.08'	K	IRON PIPE W/BRASS CAP N:366,713.01' E:759,838.05'
D	IRON PIPE W/BRASS CAP N:369,412.14' E:762,488.67'	H	IRON PIPE W/BRASS CAP N:364,519.44' E:757,187.49'		



10M REMOTE KILL SCHEMATIC



10M BOP Stack (5M Annular)



ConocoPhillips Company - Zia Hills Unit 2532 WC #705H

1. Geologic Formations

TVD of target	12,184' EOL	Pilot hole depth	NA
MD at TD:	19,483'	Deepest expected fresh water:	300'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	566	Water	
Top of Salt	922	Salt	
Base of Salt	4289	Salt	
Lamar	4494	Salt Water	
Bell Canyon	4538	Salt Water	
Cherry Canyon	5610	Oil/Gas	
Brushy Canyon	7282	Oil/Gas	
Bone Spring	8578	Oil/Gas	
1st Bone Spring Sand	9721	Oil/Gas	
2nd Bone Spring Sand	10403	Oil/Gas	
3rd Bone Spring Sand	11490	Oil/Gas	
Wolfcamp	11902	Oil/Gas	
Wolfcamp A	12110	Target	

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	780	10.750"	45.5	J55	BTC	5.86	1.14	20.15	22.43
9.875"	0	8500	7.625"	29.7	L80-ICY	BTC	1.48	1.09	2.88	2.90
8.750"	8500	11650	7.625"	29.7	P110-ICY	W513	1.35	1.65	3.09	1.85
6.75"	0	11450	5.5"	23	P110-CY	BTC	1.95	2.31	2.77	2.77
6.75"	11450	19,483	5.5"	23	P110-CY	W441	1.84	2.17	2.60	2.36
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

2b. Contingency Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
17.50"	0	780	13.375"	54.5	J55	BTC	3.17	1.69	20.07	21.38
12.25"	0	4400	9.625"	40	L80-IC	BTC	1.88	1.39	5.20	5.38
8.75"	4200	11650	7.625"	29.7	P110-ICY	W513	1.35	1.65	3.09	1.85
6.75"	0	11450	5.5"	23	P110-CY	BTC	1.95	2.31	2.77	2.77
6.75"	11450	19,483	5.5"	23	P110-CY	W441	1.84	2.17	2.60	2.36
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 43 CFR Part 3170 Subpart 3172

Contingency program will be run if large water flows are encountered.

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.

February 3, 2025

1

ConocoPhillips Company - Zia Hills Unit 2532 WC #705H

	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 2532 WC #705H

3. Cementing Program

Casing	# Skis	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	380	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	850	10.3	3.3	22	24	Halliburton tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	720	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	610	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	11,150'	20% OH in Lateral (KOP to EOL)

3b. Contingency Cementing Program

Casing	# Skis	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	470	13.5	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
Int. #1	640	12.8	1.75	9.21	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	300	14.8	1.35	6.6	8	Tail: Class C + 2% CaCl ₂
Inter. #2 (Liner)	200	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	830	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	610	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

Contingency program will be run if large water flows are encountered.

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
2 nd Intermediate	4,200'	20%
Production	11,400'	20% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 2532 WC #705H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
Y	A variance is requested for the use of BOPE break testing on intermediate skids (in accordance with the 30 day full BOPE test requirements).

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
12-1/4" or 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 43 CFR Part 3170 Subpart 3172 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.
Y	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 43 CFR Part 3170 Subpart 3172.
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 43 CFR Part 3170 Subpart 3172 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 2532 WC #705H

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	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 12.5	35-45	<20

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

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
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5b. Contingency 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	9-5/8" Int shoe	Brine	8.4 - 9	28-34	N/C
9-5/8" Int shoe	7-5/8" Int shoe	Brine	8.4 - 9	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 12.5	35-45	<20

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
N	CBL	
Y	Mud log	Intermediate shoe to TD
N	PEX	

ConocoPhillips Company - Zia Hills Unit 2532 WC #705H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7920 psi at 12184' 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 43 CFR Part 3170 Subpart 3176. 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

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

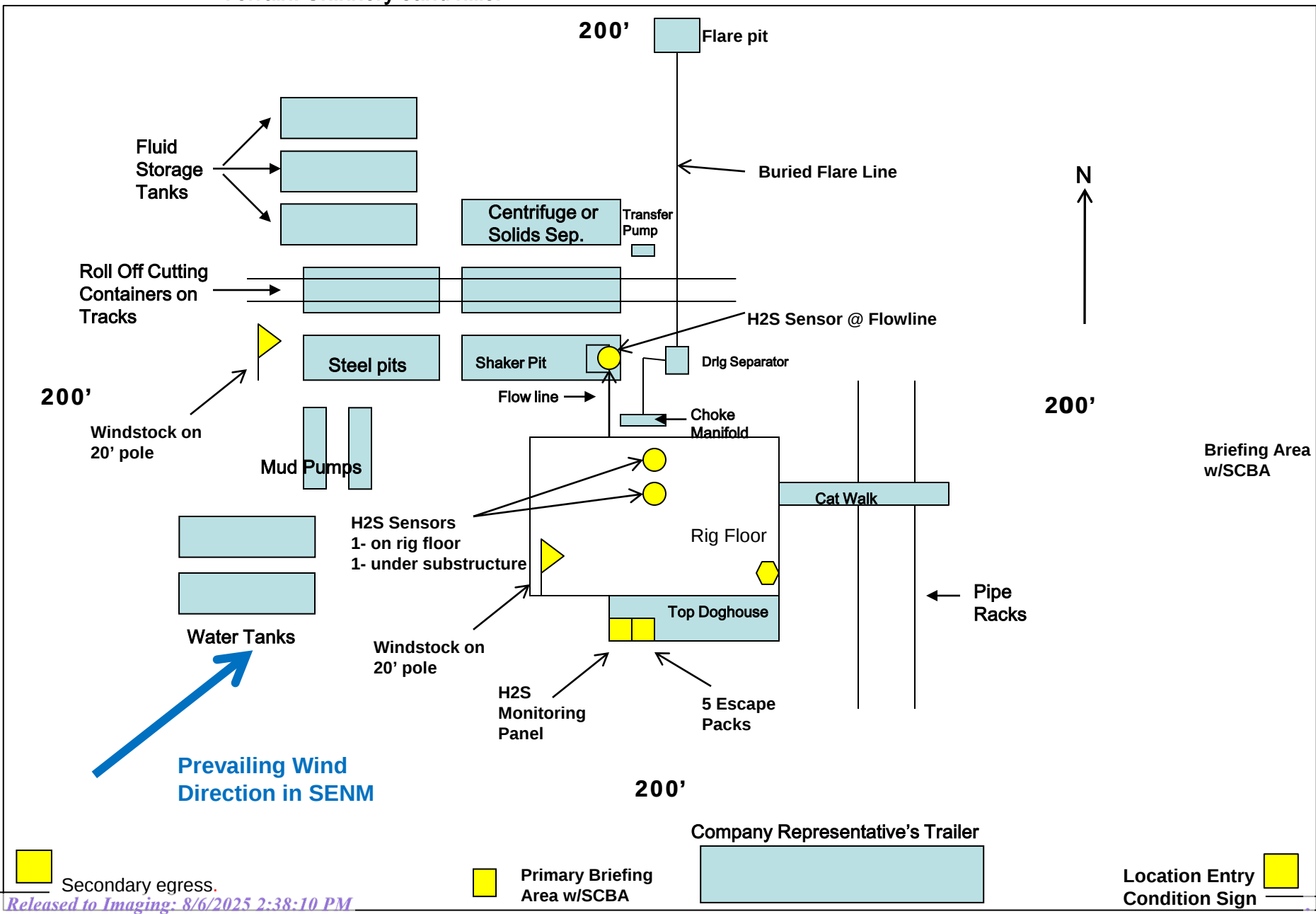
	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
Dallas Daley	432-818-2329	432-631-6977

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

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

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



DELAWARE BASIN EAST

ZIA HILLS UNIT AREA

ZIA HILLS UNIT 2532 PROJECT

**_ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532
WC 705H**

OWB

Plan: PWP0

Standard Planning Report

18 July, 2024

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Company:	DELAWARE BASIN EAST	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Project:	ZIA HILLS UNIT AREA	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site:	ZIA HILLS UNIT 2532 PROJECT	North Reference:	Grid
Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project	ZIA HILLS UNIT AREA		
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 2532 PROJECT		
Site Position:		Northing:	368,227.67 usft
From:	Map	Easting:	718,635.67 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 0' 37.478 N
		Longitude:	103° 37' 40.703 W

Well	_ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H					
Well Position	+N/-S	0.0 usft	Northing:	371,738.56 usft	Latitude:	32° 1' 12.333 N
	+E/-W	0.0 usft	Easting:	716,909.65 usft	Longitude:	103° 38' 0.484 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,135.0 usft
Grid Convergence:	0.37 °					

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2024	7/16/2024	6.27	59.53	47,160.32696749

Design	PWP0			
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	171.72

Plan Survey Tool Program	Date	7/18/2024		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,482.5 PWP0 (OWB)	r.5 MWD+IFR1	
			OWSG MWD + IFR1 rev.5	

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Company:	DELAWARE BASIN EAST	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Project:	ZIA HILLS UNIT AREA	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site:	ZIA HILLS UNIT 2532 PROJECT	North Reference:	Grid
Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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	
1,477.6	9.55	77.51	1,475.4	8.6	38.8	2.00	2.00	0.00	77.51	
6,622.7	9.55	77.51	6,549.2	193.2	872.4	0.00	0.00	0.00	0.00	
7,578.0	0.00	0.00	7,500.0	210.4	950.0	1.00	-1.00	0.00	180.00	
11,784.5	0.00	0.00	11,706.5	210.4	950.0	0.00	0.00	0.00	0.00	
12,534.5	90.00	174.70	12,184.0	-265.0	994.1	12.00	12.00	0.00	174.70	
12,781.0	90.00	179.63	12,184.0	-511.1	1,006.3	2.00	0.00	2.00	90.00	
19,482.5	90.00	179.63	12,184.0	-7,212.5	1,049.6	0.00	0.00	0.00	0.00	

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Company:	DELAWARE BASIN EAST	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Project:	ZIA HILLS UNIT AREA	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site:	ZIA HILLS UNIT 2532 PROJECT	North Reference:	Grid
Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	2.00	77.51	1,100.0	0.4	1.7	-0.1	2.00	2.00	0.00	
1,200.0	4.00	77.51	1,199.8	1.5	6.8	-0.5	2.00	2.00	0.00	
1,300.0	6.00	77.51	1,299.5	3.4	15.3	-1.2	2.00	2.00	0.00	
1,400.0	8.00	77.51	1,398.7	6.0	27.2	-2.0	2.00	2.00	0.00	
1,477.6	9.55	77.51	1,475.4	8.6	38.8	-2.9	2.00	2.00	0.00	
1,500.0	9.55	77.51	1,497.5	9.4	42.4	-3.2	0.00	0.00	0.00	
1,600.0	9.55	77.51	1,596.1	13.0	58.6	-4.4	0.00	0.00	0.00	
1,700.0	9.55	77.51	1,694.7	16.6	74.8	-5.6	0.00	0.00	0.00	
1,800.0	9.55	77.51	1,793.3	20.2	91.0	-6.8	0.00	0.00	0.00	
1,900.0	9.55	77.51	1,891.9	23.7	107.2	-8.1	0.00	0.00	0.00	
2,000.0	9.55	77.51	1,990.5	27.3	123.4	-9.3	0.00	0.00	0.00	
2,100.0	9.55	77.51	2,089.2	30.9	139.6	-10.5	0.00	0.00	0.00	
2,200.0	9.55	77.51	2,187.8	34.5	155.8	-11.7	0.00	0.00	0.00	
2,300.0	9.55	77.51	2,286.4	38.1	172.0	-12.9	0.00	0.00	0.00	
2,400.0	9.55	77.51	2,385.0	41.7	188.2	-14.1	0.00	0.00	0.00	
2,500.0	9.55	77.51	2,483.6	45.3	204.4	-15.4	0.00	0.00	0.00	
2,600.0	9.55	77.51	2,582.2	48.9	220.6	-16.6	0.00	0.00	0.00	
2,700.0	9.55	77.51	2,680.8	52.5	236.8	-17.8	0.00	0.00	0.00	
2,800.0	9.55	77.51	2,779.5	56.0	253.0	-19.0	0.00	0.00	0.00	
2,900.0	9.55	77.51	2,878.1	59.6	269.2	-20.2	0.00	0.00	0.00	
3,000.0	9.55	77.51	2,976.7	63.2	285.5	-21.5	0.00	0.00	0.00	
3,100.0	9.55	77.51	3,075.3	66.8	301.7	-22.7	0.00	0.00	0.00	
3,200.0	9.55	77.51	3,173.9	70.4	317.9	-23.9	0.00	0.00	0.00	
3,300.0	9.55	77.51	3,272.5	74.0	334.1	-25.1	0.00	0.00	0.00	
3,400.0	9.55	77.51	3,371.1	77.6	350.3	-26.3	0.00	0.00	0.00	
3,500.0	9.55	77.51	3,469.7	81.2	366.5	-27.5	0.00	0.00	0.00	
3,600.0	9.55	77.51	3,568.4	84.8	382.7	-28.8	0.00	0.00	0.00	
3,700.0	9.55	77.51	3,667.0	88.3	398.9	-30.0	0.00	0.00	0.00	
3,800.0	9.55	77.51	3,765.6	91.9	415.1	-31.2	0.00	0.00	0.00	
3,900.0	9.55	77.51	3,864.2	95.5	431.3	-32.4	0.00	0.00	0.00	
4,000.0	9.55	77.51	3,962.8	99.1	447.5	-33.6	0.00	0.00	0.00	
4,100.0	9.55	77.51	4,061.4	102.7	463.7	-34.9	0.00	0.00	0.00	
4,200.0	9.55	77.51	4,160.0	106.3	479.9	-36.1	0.00	0.00	0.00	
4,300.0	9.55	77.51	4,258.7	109.9	496.1	-37.3	0.00	0.00	0.00	
4,400.0	9.55	77.51	4,357.3	113.5	512.3	-38.5	0.00	0.00	0.00	
4,500.0	9.55	77.51	4,455.9	117.0	528.5	-39.7	0.00	0.00	0.00	
4,600.0	9.55	77.51	4,554.5	120.6	544.7	-40.9	0.00	0.00	0.00	
4,700.0	9.55	77.51	4,653.1	124.2	560.9	-42.2	0.00	0.00	0.00	
4,800.0	9.55	77.51	4,751.7	127.8	577.1	-43.4	0.00	0.00	0.00	
4,900.0	9.55	77.51	4,850.3	131.4	593.3	-44.6	0.00	0.00	0.00	
5,000.0	9.55	77.51	4,948.9	135.0	609.5	-45.8	0.00	0.00	0.00	
5,100.0	9.55	77.51	5,047.6	138.6	625.7	-47.0	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Company:	DELAWARE BASIN EAST	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Project:	ZIA HILLS UNIT AREA	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site:	ZIA HILLS UNIT 2532 PROJECT	North Reference:	Grid
Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)	
5,200.0	9.55	77.51	5,146.2	142.2	641.9	-48.2	0.00	0.00	0.00	
5,300.0	9.55	77.51	5,244.8	145.8	658.1	-49.5	0.00	0.00	0.00	
5,400.0	9.55	77.51	5,343.4	149.3	674.3	-50.7	0.00	0.00	0.00	
5,500.0	9.55	77.51	5,442.0	152.9	690.5	-51.9	0.00	0.00	0.00	
5,600.0	9.55	77.51	5,540.6	156.5	706.7	-53.1	0.00	0.00	0.00	
5,700.0	9.55	77.51	5,639.2	160.1	722.9	-54.3	0.00	0.00	0.00	
5,800.0	9.55	77.51	5,737.9	163.7	739.1	-55.6	0.00	0.00	0.00	
5,900.0	9.55	77.51	5,836.5	167.3	755.3	-56.8	0.00	0.00	0.00	
6,000.0	9.55	77.51	5,935.1	170.9	771.5	-58.0	0.00	0.00	0.00	
6,100.0	9.55	77.51	6,033.7	174.5	787.7	-59.2	0.00	0.00	0.00	
6,200.0	9.55	77.51	6,132.3	178.1	803.9	-60.4	0.00	0.00	0.00	
6,300.0	9.55	77.51	6,230.9	181.6	820.1	-61.6	0.00	0.00	0.00	
6,400.0	9.55	77.51	6,329.5	185.2	836.3	-62.9	0.00	0.00	0.00	
6,500.0	9.55	77.51	6,428.1	188.8	852.5	-64.1	0.00	0.00	0.00	
6,600.0	9.55	77.51	6,526.8	192.4	868.8	-65.3	0.00	0.00	0.00	
6,622.7	9.55	77.51	6,549.2	193.2	872.4	-65.6	0.00	0.00	0.00	
6,700.0	8.78	77.51	6,625.5	195.9	884.5	-66.5	1.00	-1.00	0.00	
6,800.0	7.78	77.51	6,724.4	199.0	898.5	-67.5	1.00	-1.00	0.00	
6,900.0	6.78	77.51	6,823.6	201.7	910.9	-68.5	1.00	-1.00	0.00	
7,000.0	5.78	77.51	6,923.0	204.1	921.6	-69.3	1.00	-1.00	0.00	
7,100.0	4.78	77.51	7,022.6	206.1	930.5	-69.9	1.00	-1.00	0.00	
7,200.0	3.78	77.51	7,122.3	207.7	937.8	-70.5	1.00	-1.00	0.00	
7,300.0	2.78	77.51	7,222.1	208.9	943.4	-70.9	1.00	-1.00	0.00	
7,400.0	1.78	77.51	7,322.1	209.8	947.3	-71.2	1.00	-1.00	0.00	
7,500.0	0.78	77.51	7,422.0	210.3	949.5	-71.4	1.00	-1.00	0.00	
7,578.0	0.00	0.00	7,500.0	210.4	950.0	-71.4	1.00	-1.00	0.00	
7,600.0	0.00	0.00	7,522.0	210.4	950.0	-71.4	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,622.0	210.4	950.0	-71.4	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,722.0	210.4	950.0	-71.4	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,822.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,922.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,022.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,122.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,222.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,322.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,422.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,522.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,622.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,722.0	210.4	950.0	-71.4	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,822.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,922.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,022.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,122.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,222.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,322.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,422.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,522.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,622.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,722.0	210.4	950.0	-71.4	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,822.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,922.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,022.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,122.0	210.4	950.0	-71.4	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Company:	DELAWARE BASIN EAST	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Project:	ZIA HILLS UNIT AREA	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site:	ZIA HILLS UNIT 2532 PROJECT	North Reference:	Grid
Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)	
10,300.0	0.00	0.00	10,222.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,322.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,422.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,522.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,622.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,722.0	210.4	950.0	-71.4	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,822.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,922.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,022.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,122.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,222.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,322.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,422.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,522.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,622.0	210.4	950.0	-71.4	0.00	0.00	0.00	
11,784.5	0.00	0.00	11,706.5	210.4	950.0	-71.4	0.00	0.00	0.00	
11,800.0	1.86	174.70	11,722.0	210.1	950.0	-71.2	12.00	12.00	0.00	
11,825.0	4.86	174.70	11,747.0	208.7	950.2	-69.7	12.00	12.00	0.00	
11,850.0	7.86	174.70	11,771.8	205.9	950.4	-66.9	12.00	12.00	0.00	
11,875.0	10.86	174.70	11,796.5	201.9	950.8	-62.9	12.00	12.00	0.00	
11,900.0	13.86	174.70	11,820.9	196.6	951.3	-57.5	12.00	12.00	0.00	
11,925.0	16.86	174.70	11,845.0	190.0	951.9	-50.9	12.00	12.00	0.00	
11,950.0	19.86	174.70	11,868.7	182.1	952.6	-43.0	12.00	12.00	0.00	
11,975.0	22.86	174.70	11,892.0	173.0	953.5	-33.9	12.00	12.00	0.00	
12,000.0	25.86	174.70	11,914.8	162.8	954.4	-23.6	12.00	12.00	0.00	
12,025.0	28.86	174.70	11,937.0	151.3	955.5	-12.2	12.00	12.00	0.00	
12,050.0	31.86	174.70	11,958.5	138.8	956.6	0.4	12.00	12.00	0.00	
12,075.0	34.86	174.70	11,979.4	125.1	957.9	14.2	12.00	12.00	0.00	
12,100.0	37.86	174.70	11,999.6	110.3	959.3	29.0	12.00	12.00	0.00	
12,125.0	40.86	174.70	12,018.9	94.5	960.7	44.8	12.00	12.00	0.00	
12,150.0	43.86	174.70	12,037.4	77.8	962.3	61.6	12.00	12.00	0.00	
12,175.0	46.86	174.70	12,054.9	60.0	963.9	79.4	12.00	12.00	0.00	
12,200.0	49.86	174.70	12,071.5	41.4	965.7	98.1	12.00	12.00	0.00	
12,225.0	52.86	174.70	12,087.1	22.0	967.5	117.6	12.00	12.00	0.00	
12,250.0	55.86	174.70	12,101.7	1.8	969.4	137.8	12.00	12.00	0.00	
12,275.0	58.86	174.70	12,115.2	-19.2	971.3	158.9	12.00	12.00	0.00	
12,300.0	61.86	174.70	12,127.5	-40.8	973.3	180.6	12.00	12.00	0.00	
12,325.0	64.86	174.70	12,138.7	-63.1	975.4	202.9	12.00	12.00	0.00	
12,350.0	67.86	174.70	12,148.8	-85.9	977.5	225.7	12.00	12.00	0.00	
12,375.0	70.86	174.70	12,157.6	-109.2	979.6	249.1	12.00	12.00	0.00	
12,400.0	73.86	174.70	12,165.2	-132.9	981.8	272.9	12.00	12.00	0.00	
12,425.0	76.86	174.70	12,171.5	-157.0	984.1	297.0	12.00	12.00	0.00	
12,450.0	79.86	174.70	12,176.5	-181.3	986.3	321.5	12.00	12.00	0.00	
12,475.0	82.86	174.70	12,180.3	-206.0	988.6	346.2	12.00	12.00	0.00	
12,500.0	85.86	174.70	12,182.7	-230.7	990.9	371.0	12.00	12.00	0.00	
12,525.0	88.86	174.70	12,183.9	-255.6	993.2	396.0	12.00	12.00	0.00	
12,534.5	90.00	174.70	12,184.0	-265.0	994.1	405.4	12.00	12.00	0.00	
12,600.0	90.00	176.01	12,184.0	-330.3	999.4	470.8	2.00	0.00	2.00	
12,700.0	90.00	178.01	12,184.0	-430.2	1,004.6	570.4	2.00	0.00	2.00	
12,781.0	90.00	179.63	12,184.0	-511.1	1,006.3	650.7	2.00	0.00	2.00	
12,800.0	90.00	179.63	12,184.0	-530.2	1,006.4	669.6	0.00	0.00	0.00	
12,900.0	90.00	179.63	12,184.0	-630.2	1,007.1	768.6	0.00	0.00	0.00	
13,000.0	90.00	179.63	12,184.0	-730.2	1,007.7	867.7	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Company:	DELAWARE BASIN EAST	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Project:	ZIA HILLS UNIT AREA	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site:	ZIA HILLS UNIT 2532 PROJECT	North Reference:	Grid
Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,100.0	90.00	179.63	12,184.0	-830.2	1,008.4	966.7	0.00	0.00	0.00
13,200.0	90.00	179.63	12,184.0	-930.2	1,009.0	1,065.8	0.00	0.00	0.00
13,300.0	90.00	179.63	12,184.0	-1,030.2	1,009.6	1,164.8	0.00	0.00	0.00
13,400.0	90.00	179.63	12,184.0	-1,130.2	1,010.3	1,263.9	0.00	0.00	0.00
13,500.0	90.00	179.63	12,184.0	-1,230.2	1,010.9	1,362.9	0.00	0.00	0.00
13,600.0	90.00	179.63	12,184.0	-1,330.2	1,011.6	1,462.0	0.00	0.00	0.00
13,700.0	90.00	179.63	12,184.0	-1,430.2	1,012.2	1,561.0	0.00	0.00	0.00
13,800.0	90.00	179.63	12,184.0	-1,530.2	1,012.9	1,660.1	0.00	0.00	0.00
13,900.0	90.00	179.63	12,184.0	-1,630.1	1,013.5	1,759.1	0.00	0.00	0.00
14,000.0	90.00	179.63	12,184.0	-1,730.1	1,014.2	1,858.2	0.00	0.00	0.00
14,100.0	90.00	179.63	12,184.0	-1,830.1	1,014.8	1,957.2	0.00	0.00	0.00
14,200.0	90.00	179.63	12,184.0	-1,930.1	1,015.5	2,056.3	0.00	0.00	0.00
14,300.0	90.00	179.63	12,184.0	-2,030.1	1,016.1	2,155.3	0.00	0.00	0.00
14,400.0	90.00	179.63	12,184.0	-2,130.1	1,016.7	2,254.4	0.00	0.00	0.00
14,500.0	90.00	179.63	12,184.0	-2,230.1	1,017.4	2,353.4	0.00	0.00	0.00
14,600.0	90.00	179.63	12,184.0	-2,330.1	1,018.0	2,452.4	0.00	0.00	0.00
14,700.0	90.00	179.63	12,184.0	-2,430.1	1,018.7	2,551.5	0.00	0.00	0.00
14,800.0	90.00	179.63	12,184.0	-2,530.1	1,019.3	2,650.5	0.00	0.00	0.00
14,900.0	90.00	179.63	12,184.0	-2,630.1	1,020.0	2,749.6	0.00	0.00	0.00
15,000.0	90.00	179.63	12,184.0	-2,730.1	1,020.6	2,848.6	0.00	0.00	0.00
15,100.0	90.00	179.63	12,184.0	-2,830.1	1,021.3	2,947.7	0.00	0.00	0.00
15,200.0	90.00	179.63	12,184.0	-2,930.1	1,021.9	3,046.7	0.00	0.00	0.00
15,300.0	90.00	179.63	12,184.0	-3,030.1	1,022.6	3,145.8	0.00	0.00	0.00
15,400.0	90.00	179.63	12,184.0	-3,130.1	1,023.2	3,244.8	0.00	0.00	0.00
15,500.0	90.00	179.63	12,184.0	-3,230.1	1,023.9	3,343.9	0.00	0.00	0.00
15,600.0	90.00	179.63	12,184.0	-3,330.1	1,024.5	3,442.9	0.00	0.00	0.00
15,700.0	90.00	179.63	12,184.0	-3,430.1	1,025.1	3,542.0	0.00	0.00	0.00
15,800.0	90.00	179.63	12,184.0	-3,530.1	1,025.8	3,641.0	0.00	0.00	0.00
15,900.0	90.00	179.63	12,184.0	-3,630.1	1,026.4	3,740.1	0.00	0.00	0.00
16,000.0	90.00	179.63	12,184.0	-3,730.1	1,027.1	3,839.1	0.00	0.00	0.00
16,100.0	90.00	179.63	12,184.0	-3,830.1	1,027.7	3,938.2	0.00	0.00	0.00
16,200.0	90.00	179.63	12,184.0	-3,930.1	1,028.4	4,037.2	0.00	0.00	0.00
16,300.0	90.00	179.63	12,184.0	-4,030.1	1,029.0	4,136.3	0.00	0.00	0.00
16,400.0	90.00	179.63	12,184.0	-4,130.1	1,029.7	4,235.3	0.00	0.00	0.00
16,500.0	90.00	179.63	12,184.0	-4,230.1	1,030.3	4,334.4	0.00	0.00	0.00
16,600.0	90.00	179.63	12,184.0	-4,330.1	1,031.0	4,433.4	0.00	0.00	0.00
16,700.0	90.00	179.63	12,184.0	-4,430.1	1,031.6	4,532.5	0.00	0.00	0.00
16,800.0	90.00	179.63	12,184.0	-4,530.1	1,032.2	4,631.5	0.00	0.00	0.00
16,900.0	90.00	179.63	12,184.0	-4,630.1	1,032.9	4,730.6	0.00	0.00	0.00
17,000.0	90.00	179.63	12,184.0	-4,730.1	1,033.5	4,829.6	0.00	0.00	0.00
17,100.0	90.00	179.63	12,184.0	-4,830.1	1,034.2	4,928.7	0.00	0.00	0.00
17,200.0	90.00	179.63	12,184.0	-4,930.1	1,034.8	5,027.7	0.00	0.00	0.00
17,300.0	90.00	179.63	12,184.0	-5,030.1	1,035.5	5,126.8	0.00	0.00	0.00
17,400.0	90.00	179.63	12,184.0	-5,130.1	1,036.1	5,225.8	0.00	0.00	0.00
17,500.0	90.00	179.63	12,184.0	-5,230.1	1,036.8	5,324.9	0.00	0.00	0.00
17,600.0	90.00	179.63	12,184.0	-5,330.1	1,037.4	5,423.9	0.00	0.00	0.00
17,700.0	90.00	179.63	12,184.0	-5,430.1	1,038.1	5,523.0	0.00	0.00	0.00
17,800.0	90.00	179.63	12,184.0	-5,530.1	1,038.7	5,622.0	0.00	0.00	0.00
17,900.0	90.00	179.63	12,184.0	-5,630.1	1,039.4	5,721.1	0.00	0.00	0.00
18,000.0	90.00	179.63	12,184.0	-5,730.1	1,040.0	5,820.1	0.00	0.00	0.00
18,100.0	90.00	179.63	12,184.0	-5,830.1	1,040.6	5,919.2	0.00	0.00	0.00
18,200.0	90.00	179.63	12,184.0	-5,930.1	1,041.3	6,018.2	0.00	0.00	0.00
18,300.0	90.00	179.63	12,184.0	-6,030.1	1,041.9	6,117.2	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Company:	DELAWARE BASIN EAST	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Project:	ZIA HILLS UNIT AREA	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site:	ZIA HILLS UNIT 2532 PROJECT	North Reference:	Grid
Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)	
18,400.0	90.00	179.63	12,184.0	-6,130.1	1,042.6	6,216.3	0.00	0.00	0.00	
18,500.0	90.00	179.63	12,184.0	-6,230.1	1,043.2	6,315.3	0.00	0.00	0.00	
18,600.0	90.00	179.63	12,184.0	-6,330.1	1,043.9	6,414.4	0.00	0.00	0.00	
18,700.0	90.00	179.63	12,184.0	-6,430.0	1,044.5	6,513.4	0.00	0.00	0.00	
18,800.0	90.00	179.63	12,184.0	-6,530.0	1,045.2	6,612.5	0.00	0.00	0.00	
18,900.0	90.00	179.63	12,184.0	-6,630.0	1,045.8	6,711.5	0.00	0.00	0.00	
19,000.0	90.00	179.63	12,184.0	-6,730.0	1,046.5	6,810.6	0.00	0.00	0.00	
19,100.0	90.00	179.63	12,184.0	-6,830.0	1,047.1	6,909.6	0.00	0.00	0.00	
19,200.0	90.00	179.63	12,184.0	-6,930.0	1,047.8	7,008.7	0.00	0.00	0.00	
19,300.0	90.00	179.63	12,184.0	-7,030.0	1,048.4	7,107.7	0.00	0.00	0.00	
19,400.0	90.00	179.63	12,184.0	-7,130.0	1,049.0	7,206.8	0.00	0.00	0.00	
19,482.5	90.00	179.63	12,184.0	-7,212.5	1,049.6	7,288.5	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
LTP (ZIA HILLS UNIT 25 - hit/miss target - Shape - plan misses target center by 32.5usft at 19400.0usft MD (12184.0 TVD, -7130.0 N, 1049.0 E) - Circle (radius 50.0)	90.00	179.63	12,184.0	-7,162.5	1,049.3	364,576.04	717,958.99	32° 0' 1.385 N	103° 37' 48.837 W	
PBHL (ZIA HILLS UNIT : - plan hits target center - Rectangle (sides W100.0 H7,367.0 D20.0)	0.00	359.63	12,184.0	-7,212.5	1,049.6	364,526.04	717,959.22	32° 0' 0.890 N	103° 37' 48.838 W	
FTP (ZIA HILLS UNIT 25 - plan misses target center by 167.0usft at 12188.7usft MD (12064.1 TVD, 50.0 N, 964.9 E) - Circle (radius 50.0)	0.00	0.00	12,184.0	160.4	1,001.3	371,898.94	717,910.99	32° 1' 13.855 N	103° 37' 48.842 W	

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
19,482.5	12,184.0	5-1/2" Production Casing	5-1/2	6	

DELAWARE BASIN EAST

ZIA HILLS UNIT AREA

ZIA HILLS UNIT 2532 PROJECT

_ZIA HILLS UNIT 2532 WC 705H

OWB

PWP0

Anticollision Report

18 July, 2024

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Max. Cent. Dist. of 1,000.0usft or Max. SF of 2	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program	Date 7/18/2024	
From (usft)	To (usft)	Survey (Wellbore)
0.0	19,482.5	PWP0 (OWB)
		Tool Name
		r.5 MWD+IFR1
		Description
		OWSG MWD + IFR1 rev.5

Summary					
	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor
Warning					
Site Name					
Offset Well - Wellbore - Design					
RED HILLS WEST					
SD WE 24 FED P23 #2H - OWB - AWP	2,661.1	2,698.1	370.8	349.2	17.152 CC, ES
SD WE 24 FED P23 #2H - OWB - AWP	3,700.0	3,732.9	450.1	423.1	16.688 SF
SD WE 24 FED P23 3H - OWB - AWP	5,856.0	5,843.3	195.1	163.5	6.159 CC
SD WE 24 FED P23 3H - OWB - AWP	5,900.0	5,886.7	195.3	163.4	6.124 ES
SD WE 24 FED P23 3H - OWB - AWP	8,600.0	8,559.1	285.4	236.0	5.773 SF
SD WE 24 FED P23 4H - OWB - AWP	8,472.3	8,508.8	422.7	358.0	6.540 CC
SD WE 24 FED P23 4H - OWB - AWP	8,500.0	8,533.9	422.8	357.8	6.510 ES
SD WE 24 FED P23 4H - OWB - AWP	8,600.0	8,624.3	424.5	358.5	6.431 SF
SD WE 24 FEDERAL P23 1H - OWB - AWP	2,404.4	2,431.9	436.4	421.7	29.739 CC, ES
SD WE 24 FEDERAL P23 1H - OWB - AWP	4,000.0	3,960.9	629.0	600.2	21.865 SF
STATE LINE OFFSETS					
SUN 54-2 1H - OWB - AWP	19,482.5	11,780.0	602.5	525.3	7.803 CC, ES, SF
SUN 54-2 1H - ST01 - ST01 AWP	19,482.5	11,897.7	602.0	528.9	8.236 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 2532 PROJECT						
_ZIA HILLS UNIT 2532 WC 701H - OWB - PWP0	1,000.0	1,000.0	120.0	111.8	14.666 CC, ES	
_ZIA HILLS UNIT 2532 WC 701H - OWB - PWP0	1,100.0	1,096.1	123.3	114.5	14.053 SF	
_ZIA HILLS UNIT 2532 WC 702H - OWB - PWP0	1,000.0	1,000.0	89.9	81.7	10.985 CC, ES	
_ZIA HILLS UNIT 2532 WC 702H - OWB - PWP0	1,100.0	1,097.8	92.8	84.0	10.621 SF	
_ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0	1,000.0	1,000.0	60.0	51.8	7.333 CC	
_ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0	1,100.0	1,101.5	60.4	51.7	6.911 ES	
_ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0	19,482.5	19,418.6	856.0	708.1	5.788 SF	
_ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0	1,970.1	1,975.4	25.9	13.6	2.106 Caution - Monitor Closely, CC, ES	
_ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0	2,000.0	2,005.2	25.9	13.6	2.105 Caution - Monitor Closely, SF	
_ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0	12,780.9	13,075.1	465.3	395.8	6.696 CC	
_ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0	19,482.5	19,776.5	465.5	310.7	3.008 ES, SF	
_ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0	12,780.9	12,823.3	855.8	792.2	13.458 CC	
_ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0	19,482.5	19,524.6	856.0	703.5	5.612 ES, SF	
_ZIA HILLS UNIT 2532 WC 708H - OWB - PWP0					Out of range	
_ZIA HILLS UNIT 2532 WC 709H - OWB - PWP0					Out of range	
_ZIA HILLS UNIT 2532 WC 710H - OWB - PWP0					Out of range	
_ZIA HILLS UNIT 2532 WC 711H - OWB - PWP0					Out of range	
_ZIA HILLS UNIT 2632 WC 714H - OWB - PWP0	1,000.0	1,000.0	149.7	141.5	18.298 CC, ES	
_ZIA HILLS UNIT 2632 WC 714H - OWB - PWP0	1,200.0	1,189.4	163.0	153.7	17.432 SF	
MELLISSA-FEDERAL #1 (P&A) - OWB - AWP					Out of range	
WAR HAMMER 25 FEDERAL COM W1 3H - OWB - AW					Out of range	
WAR HAMMER 25 FEDERAL COM W2 2H - OWB - AW					Out of range	
WAR HAMMER 25 FEDERAL COM W2 2H - ST01 - ST0					Out of range	
WAR HAMMER 25 FEDERAL COM W3 1H - OWB - AW					Out of range	
WILDER-FEDERAL #15 (P&A) - OWB - AWP					Out of range	
WILDER-FEDERAL #23 (P&A) - OWB - AWP	752.1	750.3	738.1	705.6	22.709 CC	
WILDER-FEDERAL #23 (P&A) - OWB - AWP	1,800.0	1,789.1	757.9	682.1	9.993 ES	
WILDER-FEDERAL #23 (P&A) - OWB - AWP	4,600.0	4,555.4	993.1	800.9	5.167 SF	
WILDER-FEDERAL 9-X - OWB - AWP					Out of range	
ZIA HILLS 25E FEDERAL COM 401H - OWB - AWP					Out of range	
ZIA HILLS 25E FEDERAL COM 402H - OWB - AWP					Out of range	
ZIA HILLS 25E FEDERAL COM 403H - OWB - AWP					Out of range	
ZIA HILLS 25E FEDERAL COM 404H - OWB - AWP	10,057.6	10,070.5	125.0	55.0	1.787 Caution - Monitor Closely, CC, ES, SF	
ZIA HILLS 25E FEDERAL COM 404H - ST01 - ST01 AW	10,100.0	10,116.0	125.2	55.7	1.801 Caution - Monitor Closely, CC, ES, SF	

Offset Design:	RED HILLS WEST - SD WE 24 FED P23 #2H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program:	125-r.5 MWD												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Separation		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)	No-Go Distance (usft)	Separation Factor		
0.0	0.0	28.9	28.9	0.0	3.0	33.62	513.5	341.4	616.6	611.9	4.67	132.023		
100.0	100.0	125.0	125.0	1.2	3.1	33.65	514.0	342.2	617.5	612.4	5.10	121.098		
200.0	200.0	217.8	217.8	1.7	3.2	33.70	515.2	343.6	619.4	613.8	5.55	111.531		
300.0	300.0	317.3	317.3	2.1	3.4	33.78	516.5	345.5	621.6	615.5	6.11	101.761		
400.0	400.0	419.0	418.9	2.4	3.7	33.83	518.0	347.2	623.7	617.0	6.66	93.659		
500.0	500.0	519.8	519.7	2.7	4.2	33.89	519.2	348.8	625.5	618.1	7.44	84.103		

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

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 #2H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 125-r.5 MWD													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
600.0	600.0	620.1	620.0	3.0	4.8	34.02	519.9	350.9	627.3	619.0	8.34	75.197		
700.0	700.0	723.4	723.2	3.2	5.0	34.18	520.2	353.3	628.9	620.1	8.77	71.737		
800.0	800.0	834.2	834.0	3.5	5.7	34.33	519.8	355.0	629.4	619.8	9.68	65.018		
900.0	900.0	954.0	953.8	3.7	9.0	34.22	518.4	352.6	627.4	615.4	11.97	52.423		
1,000.0	1,000.0	1,076.3	1,075.8	3.9	10.0	33.81	515.5	345.2	622.0	609.0	12.97	47.974		
1,100.0	1,100.0	1,195.1	1,194.0	4.2	10.3	-44.53	509.9	334.5	611.8	598.1	13.70	44.672		
1,200.0	1,199.8	1,304.2	1,302.2	4.5	10.5	-45.79	503.4	322.1	597.0	582.8	14.22	41.983		
1,300.0	1,299.5	1,406.6	1,403.5	4.9	10.7	-47.50	496.8	308.6	578.6	563.9	14.75	39.227		
1,400.0	1,398.7	1,504.4	1,500.1	5.2	10.9	-49.68	490.6	294.6	557.9	542.6	15.29	36.482		
1,477.6	1,475.4	1,580.4	1,575.1	5.4	11.1	-51.75	485.9	283.2	540.6	524.9	15.71	34.416		
1,500.0	1,497.5	1,602.3	1,596.7	5.4	11.1	-52.31	484.4	279.9	535.5	519.6	15.82	33.851		
1,600.0	1,596.1	1,700.3	1,693.3	5.7	11.3	-54.90	477.4	265.5	512.7	496.3	16.38	31.296		
1,700.0	1,694.7	1,795.0	1,786.8	6.0	11.5	-57.57	470.2	251.9	490.7	473.8	16.95	28.948		
1,800.0	1,793.3	1,889.9	1,880.5	6.4	11.7	-60.42	462.7	238.6	469.9	452.4	17.51	26.827		
1,900.0	1,891.9	1,984.4	1,973.8	6.7	11.9	-63.49	455.3	225.4	450.3	432.2	18.08	24.910		
2,000.0	1,990.5	2,079.5	2,067.6	7.1	12.1	-66.85	447.9	212.0	432.3	413.6	18.63	23.208		
2,100.0	2,089.2	2,176.2	2,163.1	7.4	12.3	-70.52	440.1	198.5	415.6	396.4	19.16	21.692		
2,200.0	2,187.8	2,269.5	2,255.1	7.8	12.6	-74.29	432.2	185.5	400.5	380.8	19.66	20.367		
2,300.0	2,286.4	2,358.4	2,342.8	8.2	12.8	-78.18	425.8	172.8	388.6	368.4	20.14	19.297		
2,400.0	2,385.0	2,450.3	2,433.6	8.6	13.0	-82.45	420.5	159.2	380.3	359.7	20.58	18.482		
2,500.0	2,483.6	2,546.1	2,528.2	8.9	13.2	-87.04	414.8	145.0	374.6	353.6	20.99	17.843		
2,600.0	2,582.2	2,640.7	2,621.6	9.3	13.4	-91.67	409.1	131.1	371.3	349.9	21.38	17.365		
2,661.1	2,642.4	2,698.1	2,678.2	9.6	13.5	-94.47	405.8	122.8	370.8	349.2	21.62	17.152 CC, ES		
2,700.0	2,680.8	2,734.7	2,714.4	9.7	13.6	-96.26	403.7	117.5	371.0	349.2	21.77	17.045		
2,800.0	2,779.5	2,828.7	2,807.4	10.2	13.8	-100.76	398.7	104.3	373.6	351.4	22.15	16.866		
2,900.0	2,878.1	2,923.2	2,900.9	10.6	14.0	-105.06	394.2	91.7	378.9	356.3	22.55	16.798		
3,000.0	2,976.7	3,020.0	2,996.8	11.0	14.3	-109.23	389.9	79.5	386.4	363.4	22.99	16.805		
3,100.0	3,075.3	3,117.5	3,093.5	11.4	14.5	-113.24	385.4	67.6	395.5	372.0	23.48	16.847		
3,200.0	3,173.9	3,220.5	3,195.7	11.8	14.7	-117.17	380.1	56.3	405.5	381.5	24.01	16.888		
3,300.0	3,272.5	3,324.6	3,299.2	12.2	15.0	-120.81	374.0	47.0	415.3	390.7	24.58	16.898		
3,400.0	3,371.1	3,429.5	3,403.6	12.7	15.2	-124.27	366.6	39.2	424.6	399.4	25.21	16.844		
3,500.0	3,469.7	3,534.3	3,507.9	13.1	15.5	-127.52	358.2	33.1	433.5	407.7	25.80	16.799		
3,600.0	3,568.4	3,640.1	3,613.3	13.5	15.8	-130.37	350.2	30.1	441.6	415.2	26.39	16.736		
3,700.0	3,667.0	3,732.9	3,706.0	13.9	16.0	-132.44	345.2	29.3	450.1	423.1	26.97	16.688 SF		
3,800.0	3,765.6	3,826.0	3,799.0	14.4	16.3	-134.02	343.6	29.4	460.5	432.9	27.54	16.718		
3,900.0	3,864.2	3,929.9	3,903.0	14.8	16.4	-135.52	343.1	30.4	471.2	443.2	28.02	16.819		
4,000.0	3,962.8	4,033.3	4,006.3	15.2	16.5	-137.03	341.4	32.0	481.1	452.6	28.50	16.878		
4,100.0	4,061.4	4,133.6	4,106.6	15.7	16.7	-138.49	339.1	33.9	490.7	461.7	29.00	16.924		
4,200.0	4,160.0	4,236.1	4,209.0	16.1	16.9	-139.93	336.4	36.1	500.2	470.7	29.50	16.956		
4,300.0	4,258.7	4,340.5	4,313.3	16.5	17.0	-141.37	333.0	39.2	509.0	479.0	30.02	16.956		
4,400.0	4,357.3	4,439.1	4,411.8	17.0	17.2	-142.70	329.4	42.6	517.5	486.9	30.57	16.927		
4,500.0	4,455.9	4,536.5	4,509.1	17.4	17.4	-143.96	326.1	45.8	526.5	495.3	31.13	16.912		
4,600.0	4,554.5	4,633.5	4,606.0	17.8	17.6	-145.16	322.9	48.7	536.0	504.4	31.66	16.931		
4,700.0	4,653.1	4,725.7	4,698.1	18.3	17.7	-146.26	320.1	51.1	546.3	514.1	32.18	16.975		
4,800.0	4,751.7	4,806.5	4,778.9	18.7	17.8	-147.11	319.2	51.3	559.5	526.8	32.68	17.124		
4,900.0	4,850.3	4,905.1	4,877.5	19.2	17.9	-148.03	319.2	50.7	574.1	540.9	33.24	17.270		
5,000.0	4,948.9	4,999.6	4,972.0	19.6	17.9	-148.72	320.8	50.2	589.4	555.6	33.80	17.437		
5,100.0	5,047.6	5,098.4	5,070.7	20.0	17.9	-149.32	323.4	49.6	605.0	570.6	34.41	17.584		
5,200.0	5,146.2	5,196.4	5,168.6	20.5	17.9	-149.85	326.2	49.2	620.7	585.7	35.01	17.729		
5,300.0	5,244.8	5,293.5	5,265.7	20.9	17.9	-150.38	328.8	48.5	636.6	601.0	35.61	17.875		
5,400.0	5,343.4	5,391.1	5,363.4	21.4	17.9	-150.91	331.3	47.5	652.8	616.5	36.23	18.016		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 #2H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 125-r.5 MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,500.0	5,442.0	5,489.1	5,461.3	21.8	17.9	-151.42	333.6	46.5	669.0	632.2	36.86	18.151	
5,600.0	5,540.6	5,586.3	5,558.4	22.3	18.0	-151.92	335.9	45.2	685.5	648.0	37.50	18.281	
5,700.0	5,639.2	5,683.3	5,655.4	22.7	18.0	-152.42	337.9	43.7	702.2	664.1	38.14	18.412	
5,800.0	5,737.9	5,782.6	5,754.7	23.1	18.1	-152.90	340.1	42.2	719.0	680.2	38.80	18.533	
5,900.0	5,836.5	5,881.7	5,853.7	23.6	18.1	-153.34	342.5	40.9	735.8	696.3	39.45	18.650	
6,000.0	5,935.1	5,979.5	5,951.5	24.0	18.2	-153.73	345.0	39.6	752.5	712.5	40.09	18.771	
6,100.0	6,033.7	6,080.6	6,052.5	24.5	18.2	-154.12	347.6	38.2	769.4	728.6	40.75	18.881	
6,200.0	6,132.3	6,185.9	6,157.8	24.9	18.3	-154.62	348.8	37.3	785.5	744.0	41.44	18.953	
6,300.0	6,230.9	6,283.1	6,255.1	25.4	18.5	-155.15	348.5	36.5	801.2	759.1	42.12	19.021	
6,400.0	6,329.5	6,377.6	6,349.5	25.8	18.7	-155.66	348.2	35.4	817.4	774.6	42.79	19.103	
6,500.0	6,428.1	6,478.1	6,450.0	26.3	18.9	-156.18	347.9	34.1	833.9	790.4	43.50	19.168	
6,600.0	6,526.8	6,578.9	6,550.8	26.7	19.1	-156.66	347.8	33.1	850.0	805.8	44.21	19.225	
6,622.7	6,549.2	6,600.8	6,572.7	26.8	19.1	-156.76	347.8	32.9	853.7	809.3	44.36	19.242	
6,700.0	6,625.5	6,675.4	6,647.3	27.1	19.3	-157.13	347.8	32.2	865.8	820.9	44.89	19.288	
6,800.0	6,724.4	6,772.6	6,744.5	27.6	19.5	-157.55	347.9	31.0	880.2	834.7	45.55	19.322	
6,900.0	6,823.6	6,871.1	6,843.0	28.0	19.7	-157.93	347.8	29.8	893.2	847.0	46.22	19.327	
7,000.0	6,923.0	6,969.6	6,941.5	28.4	19.9	-158.26	347.5	28.4	904.7	857.8	46.86	19.306	
7,100.0	7,022.6	7,068.2	7,040.1	28.8	20.1	-158.53	347.5	26.9	914.7	867.2	47.48	19.264	
7,200.0	7,122.3	7,166.3	7,138.1	29.2	20.4	-158.73	347.7	25.4	923.2	875.1	48.08	19.202	
7,300.0	7,222.1	7,264.1	7,236.0	29.5	20.6	-158.89	347.7	23.7	930.3	881.6	48.64	19.124	
7,400.0	7,322.1	7,364.3	7,336.2	29.8	20.8	-159.02	347.7	21.9	935.8	886.6	49.19	19.023	
7,500.0	7,422.0	7,465.1	7,436.9	30.1	21.1	-159.11	347.5	20.0	939.7	890.0	49.70	18.908	
7,578.0	7,500.0	7,545.1	7,516.9	30.2	21.2	-81.64	347.2	18.7	941.4	891.4	49.97	18.840	
7,600.0	7,522.0	7,567.7	7,539.5	30.2	21.3	-81.65	347.1	18.3	941.7	891.7	50.02	18.829	
7,700.0	7,622.0	7,668.9	7,640.7	30.3	21.5	-81.70	346.5	16.9	943.1	892.8	50.25	18.769	
7,800.0	7,722.0	7,768.2	7,740.0	30.3	21.8	-81.77	345.6	15.4	944.4	893.9	50.46	18.715	
7,900.0	7,822.0	7,866.5	7,838.2	30.3	22.0	-81.84	344.6	13.8	945.9	895.2	50.68	18.665	
8,000.0	7,922.0	7,964.0	7,935.7	30.4	22.3	-81.92	343.5	12.0	947.6	896.7	50.89	18.620	
8,100.0	8,022.0	8,063.2	8,034.9	30.4	22.5	-82.01	342.3	9.9	949.4	898.3	51.12	18.573	
8,200.0	8,122.0	8,163.0	8,134.6	30.4	22.8	-82.11	341.0	7.8	951.4	900.0	51.35	18.526	
8,300.0	8,222.0	8,266.4	8,238.0	30.4	23.0	-82.23	339.3	5.8	953.1	901.5	51.58	18.478	
8,400.0	8,322.0	8,368.8	8,340.4	30.5	23.2	-82.38	336.9	4.0	954.5	902.7	51.81	18.425	
8,500.0	8,422.0	8,470.4	8,442.0	30.5	23.5	-82.53	334.7	2.4	955.8	903.8	52.03	18.371	
8,600.0	8,522.0	8,556.8	8,528.3	30.5	23.6	-82.50	335.4	1.0	957.5	905.4	52.11	18.374	
8,700.0	8,622.0	8,633.2	8,603.6	30.6	23.6	-81.77	347.9	0.0	961.2	909.3	51.95	18.502	
8,800.0	8,722.0	8,701.7	8,668.0	30.6	23.5	-80.44	370.6	-1.1	968.2	916.7	51.57	18.775	
8,900.0	8,822.0	8,769.2	8,727.3	30.6	23.5	-78.56	402.9	-1.5	978.9	927.9	51.01	19.192	
9,000.0	8,922.0	8,827.5	8,775.4	30.7	23.4	-76.68	435.8	-1.9	994.2	943.9	50.32	19.759	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 3H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 66-r-5 MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	25.4	25.4	0.0	3.0	35.45	514.4	366.3	631.5	626.9	4.67	135.352	
100.0	100.0	124.6	124.6	1.2	3.1	35.43	514.5	366.0	631.5	626.3	5.13	123.112	
200.0	200.0	222.7	222.7	1.7	3.3	35.38	515.0	365.8	631.7	626.0	5.67	111.445	
300.0	300.0	325.5	325.5	2.1	3.5	35.37	515.3	365.8	631.9	625.7	6.16	102.643	
400.0	400.0	430.2	430.2	2.4	3.8	35.36	514.9	365.4	631.4	624.6	6.82	92.572	
500.0	500.0	533.7	533.7	2.7	4.0	35.37	513.9	364.9	630.3	623.1	7.26	86.826	
600.0	600.0	638.6	638.6	3.0	4.2	35.43	512.0	364.3	628.5	620.8	7.68	81.867	
700.0	700.0	739.3	739.3	3.2	4.5	35.50	509.8	363.6	626.3	618.1	8.20	76.366	
800.0	800.0	850.8	850.6	3.5	5.3	35.71	505.6	363.4	623.1	613.9	9.29	67.042	
900.0	900.0	946.3	946.0	3.7	6.0	36.04	500.2	363.9	618.9	608.6	10.32	59.951	
1,000.0	1,000.0	1,033.0	1,032.5	3.9	6.8	36.48	495.8	366.6	616.6	605.2	11.37	54.225	
1,100.0	1,100.0	1,119.0	1,118.3	4.2	7.4	-40.57	492.0	371.5	615.2	603.0	12.25	50.235	
1,200.0	1,199.8	1,204.6	1,203.6	4.5	7.8	-40.21	489.4	378.2	613.5	600.6	12.87	47.671	
1,300.0	1,299.5	1,295.6	1,294.2	4.9	8.1	-39.95	487.6	387.2	611.3	597.8	13.43	45.501	
1,400.0	1,398.7	1,394.6	1,392.5	5.2	8.4	-39.71	484.9	398.9	606.9	593.0	13.92	43.595	
1,477.6	1,475.4	1,471.6	1,468.7	5.4	8.6	-39.56	482.0	409.0	601.8	587.6	14.27	42.179	
1,500.0	1,497.5	1,493.8	1,490.7	5.4	8.6	-39.51	481.2	412.0	600.1	585.8	14.35	41.811	
1,600.0	1,596.1	1,593.2	1,589.1	5.7	8.9	-39.26	477.3	425.5	592.6	577.8	14.84	39.940	
1,700.0	1,694.7	1,692.7	1,687.5	6.0	9.1	-38.99	473.3	439.2	585.1	569.8	15.32	38.202	
1,800.0	1,793.3	1,792.2	1,786.0	6.4	9.4	-38.68	469.1	453.1	577.7	561.8	15.82	36.522	
1,900.0	1,891.9	1,892.4	1,885.1	6.7	9.6	-38.33	464.7	467.3	570.2	553.9	16.31	34.952	
2,000.0	1,990.5	1,992.6	1,984.1	7.1	9.9	-37.93	459.9	481.9	562.7	545.8	16.88	33.339	
2,100.0	2,089.2	2,092.8	2,083.2	7.4	10.2	-37.61	455.7	495.6	555.1	537.6	17.42	31.861	
2,200.0	2,187.8	2,193.0	2,182.6	7.8	10.5	-37.43	452.3	508.2	547.4	529.4	17.96	30.473	
2,300.0	2,286.4	2,293.0	2,281.8	8.2	10.9	-37.24	448.8	520.8	539.6	521.1	18.52	29.144	
2,400.0	2,385.0	2,392.4	2,380.3	8.6	11.3	-37.03	445.2	533.4	531.8	512.8	19.08	27.876	
2,500.0	2,483.6	2,491.5	2,478.5	8.9	11.6	-36.79	441.6	546.2	524.2	504.5	19.65	26.678	
2,600.0	2,582.2	2,594.6	2,580.5	9.3	12.0	-36.45	437.1	559.9	516.3	496.0	20.25	25.495	
2,700.0	2,680.8	2,696.2	2,681.1	9.7	12.4	-35.94	431.2	574.0	507.7	486.9	20.86	24.338	
2,800.0	2,779.5	2,793.2	2,776.9	10.2	12.8	-35.39	425.5	587.9	499.4	477.9	21.48	23.252	
2,900.0	2,878.1	2,892.6	2,875.0	10.6	13.2	-34.82	419.9	602.3	491.5	469.4	22.11	22.229	
3,000.0	2,976.7	2,995.2	2,976.4	11.0	13.7	-34.21	413.9	616.9	483.2	460.4	22.76	21.227	
3,100.0	3,075.3	3,097.1	3,077.1	11.4	14.1	-33.57	407.3	631.1	474.4	451.0	23.43	20.249	
3,200.0	3,173.9	3,198.6	3,177.4	11.8	14.5	-32.84	400.2	645.3	465.2	441.1	24.10	19.299	
3,300.0	3,272.5	3,308.3	3,285.9	12.2	15.0	-32.13	392.0	659.0	454.8	430.0	24.78	18.355	
3,400.0	3,371.1	3,416.3	3,393.1	12.7	15.5	-31.70	383.9	669.0	442.1	416.7	25.40	17.403	
3,500.0	3,469.7	3,519.4	3,495.7	13.1	15.9	-31.56	376.9	676.1	428.2	402.2	25.98	16.482	
3,600.0	3,568.4	3,621.2	3,597.3	13.5	16.3	-31.71	370.8	681.0	413.3	386.8	26.50	15.596	
3,700.0	3,667.0	3,722.1	3,697.9	13.9	16.7	-32.24	366.2	683.7	398.0	371.0	26.98	14.750	
3,800.0	3,765.6	3,812.8	3,788.6	14.4	17.0	-32.94	363.4	685.6	383.3	355.7	27.57	13.899	
3,900.0	3,864.2	3,902.3	3,878.0	14.8	17.3	-33.61	361.8	689.5	371.1	342.9	28.18	13.166	
4,000.0	3,962.8	4,001.0	3,976.6	15.2	17.6	-34.37	361.1	694.8	360.5	331.8	28.69	12.564	
4,100.0	4,061.4	4,100.7	4,076.1	15.7	17.9	-35.30	360.7	699.5	349.8	320.6	29.16	11.994	
4,200.0	4,160.0	4,196.1	4,171.4	16.1	18.2	-36.22	360.7	704.6	339.7	310.1	29.63	11.465	
4,300.0	4,258.7	4,294.0	4,269.2	16.5	18.5	-37.07	360.9	711.0	330.8	300.7	30.09	10.992	
4,400.0	4,357.3	4,399.3	4,374.2	17.0	18.9	-38.07	360.4	717.2	321.0	290.5	30.52	10.518	
4,500.0	4,455.9	4,507.0	4,481.8	17.4	19.1	-39.45	359.2	720.9	309.3	278.5	30.80	10.043	
4,600.0	4,554.5	4,608.9	4,583.7	17.8	19.1	-41.57	358.3	720.2	295.5	264.6	30.87	9.572	
4,700.0	4,653.1	4,706.4	4,681.2	18.3	19.1	-43.96	357.9	718.6	281.9	250.9	30.99	9.097	
4,800.0	4,751.7	4,804.0	4,778.8	18.7	19.1	-46.59	357.7	717.3	269.2	238.1	31.09	8.659	
4,900.0	4,850.3	4,902.8	4,877.6	19.2	19.1	-49.49	357.5	715.9	257.2	226.1	31.15	8.257	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 3H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 66-r.5 MWD													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,000.0	4,948.9	5,001.3	4,976.1	19.6	19.1	-52.66	357.2	714.5	245.8	214.6	31.18	7.882		
5,100.0	5,047.6	5,099.4	5,074.1	20.0	19.1	-56.09	356.9	713.2	235.2	204.0	31.18	7.543		
5,200.0	5,146.2	5,197.6	5,172.4	20.5	19.1	-59.79	356.7	712.1	225.7	194.6	31.16	7.244		
5,300.0	5,244.8	5,296.0	5,270.8	20.9	19.1	-63.79	356.5	711.0	217.3	186.2	31.12	6.982		
5,400.0	5,343.4	5,394.2	5,369.0	21.4	19.1	-68.04	356.4	710.0	210.1	179.0	31.09	6.758		
5,500.0	5,442.0	5,492.4	5,467.1	21.8	19.1	-72.53	356.3	709.1	204.2	173.2	31.08	6.572		
5,600.0	5,540.6	5,590.8	5,565.6	22.3	19.1	-77.23	356.4	708.3	199.9	168.7	31.11	6.424		
5,700.0	5,639.2	5,689.3	5,664.1	22.7	19.1	-82.08	356.4	707.6	196.9	165.7	31.23	6.304		
5,800.0	5,737.9	5,788.0	5,762.8	23.1	19.1	-87.06	356.4	706.9	195.4	163.9	31.48	6.206		
5,856.0	5,793.1	5,843.3	5,818.0	23.4	19.1	-89.88	356.3	706.4	195.1	163.5	31.68	6.159 CC		
5,900.0	5,836.5	5,886.7	5,861.5	23.6	19.1	-92.10	356.2	706.0	195.3	163.4	31.89	6.124 ES		
6,000.0	5,935.1	5,985.6	5,960.3	24.0	19.2	-97.06	356.0	705.5	196.6	164.1	32.47	6.053		
6,100.0	6,033.7	6,084.3	6,059.0	24.5	19.3	-101.85	355.7	705.2	199.2	166.0	33.21	5.997		
6,200.0	6,132.3	6,182.7	6,157.5	24.9	19.4	-106.48	355.4	704.9	203.2	169.1	34.08	5.962		
6,300.0	6,230.9	6,281.4	6,256.1	25.4	19.6	-110.94	355.1	704.5	208.5	173.4	35.05	5.949		
6,400.0	6,329.5	6,380.2	6,355.0	25.8	19.7	-115.15	354.7	704.2	214.9	178.8	36.09	5.955		
6,500.0	6,428.1	6,478.9	6,453.6	26.3	19.8	-119.13	354.2	703.9	222.4	185.2	37.18	5.980		
6,600.0	6,526.8	6,577.5	6,552.2	26.7	20.0	-122.93	353.4	703.4	230.8	192.5	38.30	6.025		
6,622.7	6,549.2	6,599.9	6,574.6	26.8	20.0	-123.76	353.2	703.2	232.8	194.3	38.55	6.040		
6,700.0	6,625.5	6,676.2	6,650.9	27.1	20.1	-126.44	352.5	702.8	239.8	200.5	39.38	6.090		
6,800.0	6,724.4	6,775.2	6,749.9	27.6	20.3	-129.42	351.5	702.2	248.6	208.2	40.39	6.155		
6,900.0	6,823.6	6,874.8	6,849.5	28.0	20.5	-131.92	350.4	701.8	256.6	215.3	41.32	6.210		
7,000.0	6,923.0	6,974.4	6,949.1	28.4	20.6	-134.00	349.2	701.4	263.7	221.5	42.18	6.251		
7,100.0	7,022.6	7,074.1	7,048.8	28.8	20.8	-135.72	347.9	701.1	269.8	226.8	42.97	6.278		
7,200.0	7,122.3	7,173.3	7,148.0	29.2	21.0	-137.13	346.5	700.7	274.8	231.1	43.66	6.294		
7,300.0	7,222.1	7,272.5	7,247.2	29.5	21.2	-138.26	345.1	700.0	278.9	234.6	44.27	6.299		
7,400.0	7,322.1	7,373.3	7,348.0	29.8	21.4	-139.16	343.5	699.4	281.7	236.9	44.85	6.281		
7,500.0	7,422.0	7,473.8	7,448.4	30.1	21.6	-139.83	341.7	698.9	282.9	237.6	45.35	6.240		
7,578.0	7,500.0	7,551.1	7,525.8	30.2	21.7	-62.66	340.4	698.6	283.1	237.5	45.59	6.209		
7,600.0	7,522.0	7,573.0	7,547.6	30.2	21.8	-62.74	340.0	698.4	283.0	237.4	45.63	6.202		
7,700.0	7,622.0	7,672.7	7,647.3	30.3	22.0	-63.07	338.5	697.8	282.9	237.1	45.84	6.171		
7,800.0	7,722.0	7,772.9	7,747.5	30.3	22.2	-63.38	337.1	697.2	282.8	236.7	46.05	6.141		
7,900.0	7,822.0	7,873.3	7,847.9	30.3	22.4	-63.68	335.7	696.7	282.6	236.3	46.27	6.107		
8,000.0	7,922.0	7,973.9	7,948.4	30.4	22.6	-64.01	334.0	696.4	282.1	235.6	46.50	6.068		
8,100.0	8,022.0	8,073.6	8,048.1	30.4	22.8	-64.34	332.4	696.1	281.7	235.0	46.72	6.030		
8,200.0	8,122.0	8,173.2	8,147.8	30.4	23.0	-64.59	331.2	695.9	281.4	234.5	46.92	5.997		
8,300.0	8,222.0	8,272.9	8,247.4	30.4	23.2	-64.83	330.0	695.5	281.2	234.1	47.11	5.969		
8,372.0	8,294.0	8,344.4	8,319.0	30.5	23.3	-65.02	329.1	695.2	281.1	233.9	47.23	5.952		
8,400.0	8,322.0	8,372.0	8,346.6	30.5	23.4	-65.10	328.7	695.0	281.1	233.9	47.25	5.949		
8,500.0	8,422.0	8,466.7	8,441.2	30.5	23.6	-65.18	328.8	694.1	282.0	233.8	48.18	5.853		
8,600.0	8,522.0	8,559.1	8,533.4	30.5	24.3	-64.21	334.4	693.3	285.4	236.0	49.43	5.773 SF		
8,700.0	8,622.0	8,630.8	8,604.0	30.6	24.4	-62.29	346.1	691.5	295.1	246.7	48.43	6.093		
8,800.0	8,722.0	8,712.5	8,681.8	30.6	24.3	-58.35	371.0	689.4	313.0	266.1	46.91	6.672		
8,900.0	8,822.0	8,789.0	8,750.7	30.6	24.2	-53.24	404.0	690.7	337.6	292.7	44.90	7.519		
9,000.0	8,922.0	8,840.5	8,793.9	30.7	24.2	-49.33	432.1	692.0	373.1	330.6	42.48	8.783		
9,100.0	9,022.0	8,894.2	8,835.8	30.7	24.2	-45.16	465.5	693.5	418.9	378.5	40.39	10.372		
9,200.0	9,122.0	8,938.7	8,868.2	30.7	24.2	-41.75	496.0	695.1	473.6	434.9	38.66	12.250		
9,300.0	9,222.0	8,966.0	8,886.8	30.8	24.2	-39.74	516.0	696.0	536.3	499.1	37.27	14.391		
9,400.0	9,322.0	9,011.0	8,915.2	30.8	24.2	-36.67	550.8	696.5	605.5	569.0	36.51	16.583		
9,500.0	9,422.0	9,029.9	8,926.2	30.8	24.3	-35.48	566.2	696.4	679.8	643.9	35.89	18.943		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	RED HILLS WEST - SD WE 24 FED P23 3H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	66-r.5 MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre	Between	Between	No-Go	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Distance	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
9,600.0	9,522.0	9,055.0	8,940.0	30.9	24.3	-34.01	587.2	695.8	758.3	722.8	35.58	21.313	
9,700.0	9,622.0	9,071.2	8,948.2	30.9	24.3	-33.10	601.1	695.4	840.1	804.7	35.43	23.714	
9,800.0	9,722.0	9,099.0	8,961.1	30.9	24.4	-31.53	625.7	695.2	924.7	889.2	35.47	26.069	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot
Project:	ZIA HILLS UNIT AREA	TVD Reference:	ZIA HILLS UNIT2532 WC 705H
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Grid
Well Error:	0.0 usft	Output errors are at	Minimum Curvature
Reference Wellbore	OWB	Database:	2.00 sigma
Reference Design:	PWP0	Offset TVD Reference:	EDT 17 Permian Prod
			Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 4H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 162-r.5 MWD												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)			
0.0	0.0	29.8	29.8	0.0	3.0	37.26	514.5	391.4	646.4	641.7	4.68	138.245	
100.0	100.0	125.8	125.8	1.2	3.1	37.26	514.9	391.6	646.9	641.7	5.18	124.877	
200.0	200.0	230.1	230.1	1.7	3.3	37.22	515.6	391.7	647.5	641.9	5.65	114.522	
300.0	300.0	329.9	329.8	2.1	3.4	37.20	516.2	391.7	648.0	641.9	6.05	107.034	
400.0	400.0	429.7	429.7	2.4	3.5	37.18	516.4	391.6	648.1	641.6	6.42	101.005	
500.0	500.0	531.9	531.9	2.7	3.6	37.16	516.6	391.5	648.2	641.4	6.76	95.863	
600.0	600.0	638.1	638.1	3.0	3.8	37.14	516.1	391.0	647.5	640.3	7.23	89.535	
700.0	700.0	739.9	739.9	3.2	4.3	37.17	515.0	390.4	646.3	638.3	7.98	81.007	
800.0	800.0	838.3	838.2	3.5	4.8	37.24	513.4	390.2	644.9	636.1	8.77	73.532	
900.0	900.0	931.5	931.5	3.7	5.5	37.44	511.6	391.6	644.3	634.6	9.68	66.535	
907.0	907.0	938.1	938.0	3.7	5.5	37.45	511.4	391.8	644.3	634.5	9.75	66.063	
1,000.0	1,000.0	1,023.1	1,023.0	3.9	6.0	37.77	509.7	394.9	644.8	634.3	10.48	61.540	
1,100.0	1,100.0	1,112.7	1,112.4	4.2	6.3	-39.35	507.8	400.3	645.5	634.4	11.06	58.349	
1,200.0	1,199.8	1,206.1	1,205.4	4.5	6.7	-38.98	505.9	408.1	645.0	633.4	11.65	55.390	
1,300.0	1,299.5	1,305.1	1,304.0	4.9	7.0	-38.75	503.8	417.1	642.3	630.1	12.22	52.580	
1,400.0	1,398.7	1,400.1	1,398.5	5.2	7.4	-38.68	501.5	426.5	637.1	624.4	12.76	49.932	
1,477.6	1,475.4	1,471.6	1,469.5	5.4	7.7	-38.66	499.6	434.9	632.0	618.8	13.18	47.959	
1,500.0	1,497.5	1,492.2	1,489.9	5.4	7.8	-38.63	499.1	437.6	630.4	617.1	13.28	47.463	
1,600.0	1,596.1	1,589.7	1,586.4	5.7	8.2	-38.42	496.1	451.2	623.9	610.0	13.84	45.091	
1,700.0	1,694.7	1,690.1	1,685.7	6.0	8.5	-38.14	492.7	465.6	617.3	602.9	14.39	42.901	
1,800.0	1,793.3	1,793.5	1,787.9	6.4	8.9	-37.80	488.6	480.6	610.4	595.4	14.97	40.771	
1,900.0	1,891.9	1,894.3	1,887.6	6.7	9.3	-37.45	484.1	494.9	602.9	587.3	15.56	38.753	
2,000.0	1,990.5	1,982.4	1,974.7	7.1	9.6	-37.13	480.7	508.1	596.5	580.3	16.12	37.004	
2,100.0	2,089.2	2,073.4	2,064.4	7.4	10.0	-36.77	478.5	523.0	592.0	575.3	16.70	35.447	
2,200.0	2,187.8	2,175.7	2,165.1	7.8	10.4	-36.32	476.0	540.3	587.9	570.5	17.34	33.895	
2,300.0	2,286.4	2,277.7	2,265.6	8.2	10.8	-35.80	472.7	557.8	583.4	565.4	18.00	32.410	
2,400.0	2,385.0	2,379.5	2,365.8	8.6	11.2	-35.23	468.8	575.3	578.6	559.9	18.67	30.990	
2,500.0	2,483.6	2,473.2	2,458.0	8.9	11.6	-34.67	465.3	591.6	574.0	554.7	19.32	29.707	
2,600.0	2,582.2	2,563.8	2,547.0	9.3	12.0	-34.14	462.9	608.3	571.0	551.1	19.97	28.592	
2,700.0	2,680.8	2,653.8	2,635.4	9.7	12.3	-33.65	461.9	625.6	569.7	549.1	20.64	27.598	
2,722.5	2,703.0	2,674.1	2,655.2	9.8	12.4	-33.55	461.9	629.5	569.7	548.9	20.80	27.393	
2,800.0	2,779.5	2,743.8	2,723.6	10.2	12.7	-33.23	462.6	643.4	570.2	548.9	21.32	26.744	
2,900.0	2,878.1	2,843.5	2,821.2	10.6	13.1	-32.83	464.4	663.4	571.8	549.8	22.06	25.919	
3,000.0	2,976.7	2,946.2	2,921.8	11.0	13.5	-32.41	466.0	683.9	573.1	550.2	22.83	25.103	
3,100.0	3,075.3	3,054.8	3,028.4	11.4	14.0	-31.96	466.9	704.8	573.3	549.7	23.63	24.257	
3,200.0	3,173.9	3,161.8	3,133.7	11.8	14.5	-31.51	466.7	724.3	572.1	547.7	24.43	23.415	
3,300.0	3,272.5	3,266.6	3,236.7	12.2	14.9	-31.01	465.2	743.2	570.0	544.8	25.23	22.594	
3,400.0	3,371.1	3,374.2	3,342.5	12.7	15.4	-30.41	462.5	762.1	566.9	540.8	26.03	21.774	
3,500.0	3,469.7	3,483.2	3,449.9	13.1	15.8	-29.76	458.3	780.4	562.3	535.4	26.85	20.943	
3,600.0	3,568.4	3,596.6	3,561.9	13.5	16.3	-29.06	452.3	797.7	555.6	528.0	27.65	20.096	
3,700.0	3,667.0	3,703.8	3,667.7	13.9	16.8	-28.34	444.8	812.6	546.9	518.5	28.43	19.240	
3,800.0	3,765.6	3,805.4	3,767.9	14.4	17.2	-27.44	435.8	827.3	537.6	508.4	29.21	18.404	
3,900.0	3,864.2	3,902.6	3,863.4	14.8	17.6	-26.38	426.0	842.2	528.3	498.3	30.03	17.594	
4,000.0	3,962.8	3,998.5	3,957.6	15.2	18.0	-25.23	416.2	857.8	519.8	489.0	30.87	16.839	
4,100.0	4,061.4	4,079.1	4,036.5	15.7	18.3	-24.24	408.9	872.1	513.5	481.7	31.86	16.120	
4,200.0	4,160.0	4,159.0	4,114.6	16.1	18.7	-23.32	404.0	888.4	511.3	478.5	32.80	15.585	
4,222.4	4,182.1	4,180.0	4,135.1	16.2	18.8	-23.09	403.1	893.0	511.3	478.3	33.04	15.477	
4,300.0	4,258.7	4,250.2	4,203.4	16.5	19.1	-22.31	400.4	908.9	512.1	478.4	33.71	15.192	
4,400.0	4,357.3	4,345.2	4,295.5	17.0	19.6	-21.17	396.5	931.5	514.2	479.6	34.63	14.849	
4,500.0	4,455.9	4,448.9	4,396.2	17.4	20.0	-19.97	392.4	956.1	516.6	481.0	35.64	14.493	
4,600.0	4,554.5	4,554.5	4,499.2	17.8	20.6	-18.96	389.3	979.2	518.1	481.5	36.65	14.135	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 4H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 162-r.5 MWD													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Warning								
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)	No-Go Distance (usft)	Separation Factor		
4,700.0	4,653.1	4,664.7	4,607.1	18.3	21.0	-18.09	386.5	1,001.1	518.1	480.5	37.62	13.772		
4,800.0	4,751.7	4,770.2	4,710.9	18.7	21.5	-17.37	383.8	1,019.9	516.5	478.0	38.54	13.401		
4,900.0	4,850.3	4,872.7	4,811.9	19.2	22.0	-16.71	381.2	1,037.5	514.3	474.9	39.45	13.038		
5,000.0	4,948.9	4,973.1	4,910.9	19.6	22.4	-16.08	378.7	1,054.3	511.8	471.5	40.34	12.689		
5,100.0	5,047.6	5,073.4	5,009.8	20.0	22.8	-15.49	376.4	1,070.8	509.4	468.1	41.23	12.354		
5,200.0	5,146.2	5,174.7	5,109.7	20.5	23.3	-14.91	374.3	1,087.2	506.7	464.6	42.12	12.029		
5,300.0	5,244.8	5,275.8	5,209.5	20.9	23.7	-14.36	372.3	1,103.3	503.9	460.9	43.02	11.713		
5,400.0	5,343.4	5,376.7	5,309.1	21.4	24.2	-13.82	370.3	1,119.0	500.8	456.9	43.91	11.406		
5,500.0	5,442.0	5,478.2	5,409.4	21.8	24.6	-13.32	368.6	1,134.4	497.6	452.8	44.80	11.106		
5,600.0	5,540.6	5,580.1	5,510.2	22.3	25.0	-12.86	367.1	1,149.4	494.0	448.3	45.69	10.812		
5,700.0	5,639.2	5,684.6	5,613.8	22.7	25.5	-12.45	365.8	1,163.8	489.8	443.2	46.56	10.518		
5,800.0	5,737.9	5,789.0	5,717.3	23.1	25.9	-12.11	364.6	1,177.0	484.6	437.1	47.42	10.217		
5,900.0	5,836.5	5,890.7	5,818.3	23.6	26.4	-11.83	363.7	1,189.1	478.7	430.5	48.27	9.918		
6,000.0	5,935.1	5,988.8	5,915.7	24.0	26.8	-11.58	362.9	1,200.5	472.7	423.6	49.12	9.624		
6,100.0	6,033.7	6,082.3	6,008.4	24.5	27.2	-11.17	361.3	1,212.8	467.7	417.7	50.00	9.354		
6,200.0	6,132.3	6,179.7	6,104.7	24.9	27.6	-10.57	358.9	1,227.1	463.9	413.0	50.91	9.112		
6,300.0	6,230.9	6,280.4	6,204.3	25.4	28.0	-9.98	356.6	1,241.8	460.1	408.3	51.83	8.878		
6,400.0	6,329.5	6,381.6	6,304.4	25.8	28.5	-9.43	354.7	1,256.1	456.2	403.4	52.74	8.649		
6,500.0	6,428.1	6,483.0	6,404.9	26.3	28.9	-8.93	353.1	1,270.0	451.9	398.2	53.65	8.422		
6,600.0	6,526.8	6,586.8	6,507.7	26.7	29.6	-8.46	351.6	1,283.5	447.0	392.2	54.82	8.155		
6,622.7	6,549.2	6,610.3	6,531.1	26.8	29.8	-8.36	351.2	1,286.4	445.8	390.7	55.08	8.094		
6,700.0	6,625.5	6,690.4	6,610.6	27.1	30.3	-7.99	349.9	1,296.1	441.9	385.9	55.97	7.894		
6,800.0	6,724.4	6,794.1	6,713.6	27.6	31.0	-7.49	348.0	1,307.8	437.5	380.4	57.12	7.659		
6,900.0	6,823.6	6,897.3	6,816.2	28.0	31.5	-6.99	346.1	1,318.5	434.1	376.1	58.06	7.477		
7,000.0	6,923.0	7,000.2	6,918.6	28.4	31.9	-6.50	344.3	1,328.4	431.8	372.9	58.86	7.335		
7,100.0	7,022.6	7,101.0	7,019.0	28.8	32.3	-6.07	342.9	1,337.5	430.7	371.1	59.65	7.221		
7,116.6	7,039.1	7,117.7	7,035.7	28.9	32.4	-6.01	342.7	1,338.9	430.7	370.9	59.77	7.205		
7,200.0	7,122.3	7,203.3	7,120.9	29.2	32.7	-5.70	342.0	1,346.3	431.2	370.8	60.40	7.139		
7,300.0	7,222.1	7,314.6	7,232.0	29.5	33.1	-5.41	341.5	1,353.7	431.7	370.7	61.05	7.071		
7,363.1	7,285.1	7,382.7	7,300.0	29.7	33.4	-5.32	341.5	1,356.7	431.6	370.2	61.43	7.027		
7,400.0	7,322.1	7,420.1	7,337.4	29.8	33.5	-5.27	341.5	1,358.2	431.7	370.1	61.66	7.002		
7,500.0	7,422.0	7,521.2	7,438.4	30.1	33.8	-5.17	341.5	1,361.9	433.0	370.8	62.23	6.958		
7,578.0	7,500.0	7,601.1	7,518.3	30.2	34.0	72.42	341.7	1,364.5	435.0	372.4	62.53	6.956		
7,600.0	7,522.0	7,624.2	7,541.4	30.2	34.1	72.44	341.8	1,365.1	435.6	373.0	62.57	6.961		
7,700.0	7,622.0	7,731.0	7,648.1	30.3	34.4	72.49	342.0	1,367.2	437.5	374.7	62.77	6.970		
7,800.0	7,722.0	7,834.5	7,751.7	30.3	34.6	72.51	342.0	1,367.8	438.0	375.0	62.96	6.956		
7,900.0	7,822.0	7,934.1	7,851.3	30.3	34.8	72.55	341.9	1,368.2	438.4	375.2	63.19	6.937		
8,000.0	7,922.0	8,052.4	7,969.5	30.4	35.0	72.47	342.0	1,366.8	437.4	373.8	63.57	6.880		
8,100.0	8,022.0	8,167.0	8,083.7	30.4	35.2	71.88	344.1	1,358.5	430.9	367.1	63.85	6.749		
8,200.0	8,122.0	8,252.0	8,168.6	30.4	35.2	71.52	345.2	1,353.3	425.5	361.3	64.24	6.624		
8,300.0	8,222.0	8,339.9	8,256.5	30.4	35.1	71.42	345.3	1,351.5	423.6	359.1	64.51	6.565		
8,400.0	8,322.0	8,438.5	8,355.1	30.5	35.0	71.41	345.2	1,350.8	422.9	358.4	64.49	6.558		
8,472.3	8,394.4	8,508.8	8,425.4	30.5	35.1	71.38	345.3	1,350.6	422.7	358.0	64.62	6.540 CC		
8,500.0	8,422.0	8,533.9	8,450.5	30.5	35.3	71.30	345.9	1,350.4	422.8	357.8	64.94	6.510 ES		
8,600.0	8,522.0	8,624.3	8,540.6	30.5	36.2	70.35	353.1	1,349.6	424.5	358.5	66.01	6.431 SF		
8,700.0	8,622.0	8,712.0	8,627.0	30.6	36.6	68.41	367.9	1,348.0	428.9	362.3	66.55	6.444		
8,800.0	8,722.0	8,800.0	8,710.6	30.6	36.6	64.94	394.6	1,344.0	437.0	370.6	66.35	6.586		
8,900.0	8,822.0	8,893.3	8,793.1	30.6	36.6	59.45	436.4	1,332.8	448.6	382.9	65.67	6.831		
9,000.0	8,922.0	8,965.2	8,851.6	30.7	36.6	54.26	475.6	1,318.6	465.3	400.5	64.70	7.191		
9,100.0	9,022.0	9,029.0	8,899.6	30.7	36.5	49.38	515.7	1,305.9	493.3	430.1	63.28	7.796		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	RED HILLS WEST - SD WE 24 FED P23 4H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	162-r.5 MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning					
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)	No-Go Distance (usft)	Separation Factor	
9,200.0	9,122.0	9,051.7	8,915.6	30.7	36.6	47.64	531.2	1,301.8	532.0	470.5	61.51	8.649	
9,300.0	9,222.0	9,083.6	8,937.1	30.8	36.6	45.25	554.2	1,296.8	581.6	522.2	59.47	9.780	
9,400.0	9,322.0	9,117.0	8,958.1	30.8	36.7	42.84	579.8	1,292.5	640.1	582.6	57.51	11.129	
9,500.0	9,422.0	9,117.0	8,958.1	30.8	36.7	42.84	579.8	1,292.5	706.2	650.9	55.24	12.784	
9,600.0	9,522.0	9,156.2	8,980.5	30.9	36.7	40.14	611.8	1,288.4	776.8	722.8	53.93	14.403	
9,700.0	9,622.0	9,174.2	8,989.8	30.9	36.7	38.95	627.1	1,286.8	852.6	800.1	52.54	16.227	
9,800.0	9,722.0	9,206.0	9,004.7	30.9	36.8	36.95	655.1	1,284.4	932.5	880.8	51.69	18.041	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FEDERAL P23 1H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 80-r-5 MWD													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
0.0	0.0	33.8	33.8	0.0	3.0	31.63	513.4	316.2	603.0	598.3	4.67	129.192		
100.0	100.0	150.2	150.2	1.2	3.2	31.50	512.5	314.1	601.4	596.2	5.22	115.196		
200.0	200.0	249.4	249.3	1.7	3.6	31.33	510.6	310.8	598.0	592.0	6.04	99.013		
300.0	300.0	344.2	344.1	2.1	4.1	31.12	509.6	307.6	595.4	588.5	6.92	85.977		
400.0	400.0	442.2	442.0	2.4	4.4	30.89	509.1	304.6	593.4	586.0	7.41	80.035		
500.0	500.0	546.6	546.4	2.7	4.9	30.67	508.3	301.4	591.2	583.0	8.19	72.145		
600.0	600.0	649.3	648.9	3.0	5.3	30.48	506.7	298.2	588.2	579.4	8.87	66.308		
700.0	700.0	747.9	747.5	3.2	5.6	30.41	504.5	296.2	585.3	576.0	9.30	62.911		
800.0	800.0	847.1	846.7	3.5	5.8	30.32	502.8	294.0	582.6	572.9	9.71	60.030		
900.0	900.0	952.6	952.2	3.7	6.0	30.20	500.6	291.4	579.6	569.4	10.14	57.165		
1,000.0	1,000.0	1,061.9	1,061.3	3.9	6.3	29.85	498.1	285.9	575.1	564.6	10.59	54.316		
1,100.0	1,100.0	1,166.8	1,165.8	4.2	6.6	-48.48	495.8	277.9	568.2	557.2	11.04	51.454		
1,200.0	1,199.8	1,267.8	1,266.4	4.5	6.9	-49.71	493.3	269.0	558.5	547.0	11.47	48.680		
1,300.0	1,299.5	1,361.1	1,359.3	4.9	7.2	-51.25	491.6	260.5	547.1	535.2	11.86	46.115		
1,400.0	1,398.7	1,456.0	1,453.8	5.2	7.5	-53.23	490.8	251.7	534.8	522.6	12.22	43.751		
1,477.6	1,475.4	1,531.9	1,529.4	5.4	7.7	-55.11	490.3	244.5	524.3	511.9	12.45	42.126		
1,500.0	1,497.5	1,553.3	1,550.6	5.4	7.8	-55.63	490.2	242.5	521.2	508.8	12.49	41.724		
1,600.0	1,596.1	1,651.1	1,648.0	5.7	8.1	-58.11	489.7	233.0	508.0	495.2	12.79	39.716		
1,700.0	1,694.7	1,756.2	1,752.4	6.0	8.5	-61.08	488.6	221.1	494.9	481.9	13.07	37.855		
1,800.0	1,793.3	1,864.3	1,859.3	6.4	8.9	-64.67	486.0	205.3	480.9	467.5	13.34	36.052		
1,900.0	1,891.9	1,956.6	1,950.2	6.7	9.3	-68.12	483.0	189.8	467.4	453.9	13.56	34.463		
2,000.0	1,990.5	2,046.4	2,038.7	7.1	9.6	-71.72	481.0	174.1	456.8	443.0	13.75	33.213		
2,100.0	2,089.2	2,143.3	2,134.0	7.4	10.0	-75.78	479.0	156.9	448.7	434.7	13.94	32.183		
2,200.0	2,187.8	2,240.7	2,229.8	7.8	10.4	-79.94	476.3	140.0	442.3	428.1	14.15	31.265		
2,300.0	2,286.4	2,335.1	2,322.8	8.2	10.7	-84.03	473.4	123.9	438.0	423.6	14.38	30.459		
2,400.0	2,385.0	2,427.8	2,414.1	8.6	11.1	-88.09	470.6	108.0	436.4	421.7	14.66	29.767		
2,404.4	2,389.4	2,431.9	2,418.1	8.6	11.1	-88.27	470.5	107.3	436.4	421.7	14.67	29.739 CC, ES		
2,500.0	2,483.6	2,520.1	2,505.0	8.9	11.5	-92.13	468.3	92.2	437.8	422.7	15.05	29.082		
2,600.0	2,582.2	2,614.0	2,597.6	9.3	12.0	-96.11	466.4	76.7	441.9	426.3	15.65	28.243		
2,700.0	2,680.8	2,707.7	2,690.1	9.7	12.5	-99.90	464.9	61.9	448.5	432.2	16.32	27.488		
2,800.0	2,779.5	2,801.1	2,782.5	10.2	12.9	-103.42	464.1	48.2	457.5	440.4	17.05	26.838		
2,900.0	2,878.1	2,896.4	2,876.9	10.6	13.4	-106.74	464.0	35.0	468.5	450.6	17.84	26.254		
3,000.0	2,976.7	2,993.0	2,972.6	11.0	13.9	-109.92	464.0	21.9	480.9	462.2	18.71	25.710		
3,100.0	3,075.3	3,095.0	3,073.7	11.4	14.3	-113.08	463.6	8.7	494.3	474.6	19.64	25.170		
3,200.0	3,173.9	3,200.5	3,178.6	11.8	14.8	-116.05	462.3	-3.0	507.2	486.6	20.61	24.604		
3,300.0	3,272.5	3,300.1	3,277.7	12.2	15.3	-118.71	460.2	-13.1	520.0	498.4	21.55	24.134		
3,400.0	3,371.1	3,400.5	3,377.4	12.7	15.7	-121.37	456.9	-23.8	533.3	510.8	22.53	23.668		
3,500.0	3,469.7	3,504.8	3,480.9	13.1	16.2	-124.19	451.2	-35.2	546.5	522.9	23.61	23.147		
3,600.0	3,568.4	3,604.0	3,579.2	13.5	16.7	-126.96	443.4	-46.5	559.7	535.0	24.67	22.685		
3,700.0	3,667.0	3,698.4	3,672.5	13.9	17.1	-129.60	435.0	-58.0	574.0	548.3	25.70	22.335		
3,800.0	3,765.6	3,788.6	3,761.5	14.4	17.5	-132.09	426.4	-69.8	590.1	563.3	26.74	22.069		
3,900.0	3,864.2	3,876.3	3,848.0	14.8	17.9	-134.39	418.6	-82.0	608.4	580.6	27.76	21.917		
4,000.0	3,962.8	3,960.9	3,931.4	15.2	18.3	-136.47	411.9	-94.6	629.0	600.2	28.77	21.865 SF		
4,100.0	4,061.4	4,043.1	4,012.3	15.7	18.7	-138.34	406.4	-108.0	652.3	622.6	29.75	21.928		
4,200.0	4,160.0	4,133.5	4,101.2	16.1	19.1	-140.24	401.5	-123.8	677.9	647.1	30.79	22.017		
4,300.0	4,258.7	4,234.5	4,200.6	16.5	19.6	-142.20	395.8	-140.8	703.8	671.8	31.94	22.036		
4,400.0	4,357.3	4,329.0	4,293.7	17.0	20.1	-143.89	390.4	-156.1	729.6	696.6	32.99	22.114		
4,500.0	4,455.9	4,420.6	4,383.9	17.4	20.5	-145.41	385.4	-171.1	756.3	722.3	34.00	22.242		
4,600.0	4,554.5	4,497.2	4,459.2	17.8	20.8	-146.57	381.9	-184.2	784.6	749.8	34.80	22.548		
4,700.0	4,653.1	4,581.2	4,541.8	18.3	21.2	-147.64	380.3	-200.0	815.4	779.7	35.63	22.886		
4,800.0	4,751.7	4,676.0	4,634.9	18.7	21.6	-148.71	379.4	-217.7	846.7	810.1	36.61	23.128		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot
Project:	ZIA HILLS UNIT AREA	TVD Reference:	ZIA HILLS UNIT2532 WC 705H
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Grid
Well Error:	0.0 usft	Output errors are at	Minimum Curvature
Reference Wellbore	OWB	Database:	2.00 sigma
Reference Design:	PWP0	Offset TVD Reference:	EDT 17 Permian Prod
			Offset Datum

Offset Design:	RED HILLS WEST - SD WE 24 FEDERAL P23 1H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	80-r.5 MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre	Between	Between	No-Go	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface		Centres	Ellipses	Distance	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S	(usft)	(usft)	(usft)	(usft)		
4,900.0	4,850.3	4,771.1	4,728.3	19.2	22.0	-149.71	378.5	-235.3	878.1	840.5	37.61	23.348	
5,000.0	4,948.9	4,866.7	4,822.3	19.6	22.5	-150.65	377.4	-252.9	909.6	871.0	38.61	23.561	
5,100.0	5,047.6	4,962.6	4,916.6	20.0	22.9	-151.53	376.2	-270.4	941.1	901.5	39.60	23.765	
5,200.0	5,146.2	5,046.1	4,998.6	20.5	23.3	-152.26	375.1	-285.9	973.1	932.7	40.45	24.059	

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot
Project:	ZIA HILLS UNIT AREA	TVD Reference:	ZIA HILLS UNIT2532 WC 705H
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Grid
Well Error:	0.0 usft	Output errors are at	Minimum Curvature
Reference Wellbore	OWB	Database:	2.00 sigma
Reference Design:	PWP0	Offset TVD Reference:	EDT 17 Permian Prod
			Offset Datum

Offset Design:	STATE LINE OFFSETS - SUN 54-2 1H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	50-r.5 GYRO-NS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre	Between	Between	No-Go	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Distance	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
19,100.0	12,184.0	11,780.0	11,776.5	74.0	41.7	25.05	-7,635.8	870.3	912.3	843.3	69.01	13.219	
19,200.0	12,184.0	11,780.0	11,776.5	74.8	41.7	25.05	-7,635.8	870.3	825.4	755.2	70.28	11.744	
19,300.0	12,184.0	11,780.0	11,776.5	75.7	41.7	25.05	-7,635.8	870.3	741.9	669.9	72.05	10.297	
19,400.0	12,184.0	11,780.0	11,776.5	76.6	41.7	25.05	-7,635.8	870.3	662.9	588.4	74.51	8.897	
19,482.5	12,184.0	11,780.0	11,776.5	77.3	41.7	25.05	-7,635.8	870.3	602.5	525.3	77.22	7.803 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	STATE LINE OFFSETS - SUN 54-2 1H - ST01 - ST01 AWP											Offset Site Error:	0.0 usft
Survey Program:	50-r.5 GYRO-NS, 11686-r.5 MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:									
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Distance	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)		
19,100.0	12,184.0	11,823.1	11,813.0	74.0	41.5	27.06	-7,678.3	872.3	935.2	867.1	68.10	13.734	
19,200.0	12,184.0	11,842.0	11,830.3	74.8	41.5	28.25	-7,685.9	872.2	845.4	776.5	68.94	12.262	
19,300.0	12,184.0	11,854.8	11,841.9	75.7	41.5	29.10	-7,691.4	872.3	757.2	687.1	70.11	10.800	
19,400.0	12,184.0	11,874.0	11,859.0	76.6	41.5	30.42	-7,700.2	872.4	671.2	599.6	71.61	9.373	
19,482.5	12,184.0	11,897.7	11,879.6	77.3	41.5	32.15	-7,711.7	872.8	602.0	528.9	73.09	8.236 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 701H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	No-Go	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)	Distance (usft)	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.67	-1.4	-120.0	120.0	119.5	0.48	250.295		
100.0	100.0	100.0	100.0	1.2	1.2	-90.67	-1.4	-120.0	120.0	117.1	2.87	41.860		
200.0	200.0	200.0	200.0	1.7	1.7	-90.67	-1.4	-120.0	120.0	116.1	3.86	31.061		
300.0	300.0	300.0	300.0	2.1	2.1	-90.67	-1.4	-120.0	120.0	115.4	4.63	25.899		
400.0	400.0	400.0	400.0	2.4	2.4	-90.67	-1.4	-120.0	120.0	114.7	5.29	22.698		
500.0	500.0	500.0	500.0	2.7	2.7	-90.67	-1.4	-120.0	120.0	114.1	5.87	20.456		
600.0	600.0	600.0	600.0	3.0	3.0	-90.67	-1.4	-120.0	120.0	113.6	6.39	18.769		
700.0	700.0	700.0	700.0	3.2	3.2	-90.67	-1.4	-120.0	120.0	113.1	6.88	17.438		
800.0	800.0	800.0	800.0	3.5	3.5	-90.67	-1.4	-120.0	120.0	112.7	7.34	16.351		
900.0	900.0	900.0	900.0	3.7	3.7	-90.67	-1.4	-120.0	120.0	112.2	7.77	15.442		
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.67	-1.4	-120.0	120.0	111.8	8.18	14.666 CC, ES		
1,100.0	1,100.0	1,096.1	1,096.1	4.2	4.2	-168.08	-0.9	-121.5	123.3	114.5	8.77	14.053 SF		
1,200.0	1,199.8	1,191.5	1,191.4	4.5	4.5	-167.82	0.6	-126.1	133.2	123.8	9.35	14.246		
1,300.0	1,299.5	1,285.8	1,285.3	4.9	4.8	-167.46	3.0	-133.5	149.5	139.6	9.93	15.062		
1,400.0	1,398.7	1,378.2	1,377.1	5.2	5.1	-167.05	6.4	-143.7	172.3	161.7	10.52	16.379		
1,477.6	1,475.4	1,448.4	1,446.6	5.4	5.4	-166.73	9.5	-153.3	194.2	183.3	10.92	17.782		
1,500.0	1,497.5	1,468.4	1,466.3	5.4	5.4	-166.66	10.5	-156.3	201.1	190.1	11.02	18.252		
1,600.0	1,596.1	1,556.5	1,553.1	5.7	5.7	-166.30	15.4	-171.2	233.8	222.3	11.49	20.353		
1,700.0	1,694.7	1,650.6	1,645.3	6.0	5.9	-165.91	21.1	-188.4	267.9	255.8	12.01	22.303		
1,800.0	1,793.3	1,744.6	1,737.6	6.4	6.2	-165.61	26.7	-205.6	301.9	289.3	12.60	23.966		
1,900.0	1,891.9	1,838.6	1,829.8	6.7	6.6	-165.37	32.4	-222.8	336.0	322.8	13.21	25.427		
2,000.0	1,990.5	1,932.6	1,922.0	7.1	6.9	-165.17	38.0	-240.1	370.0	356.2	13.85	26.712		
2,100.0	2,089.2	2,026.6	2,014.3	7.4	7.2	-165.00	43.7	-257.3	404.1	389.6	14.51	27.843		
2,200.0	2,187.8	2,120.6	2,106.5	7.8	7.6	-164.87	49.4	-274.5	438.2	423.0	15.19	28.842		
2,300.0	2,286.4	2,214.6	2,198.8	8.2	7.9	-164.75	55.0	-291.7	472.2	456.4	15.89	29.725		
2,400.0	2,385.0	2,308.6	2,291.0	8.6	8.3	-164.65	60.7	-308.9	506.3	489.7	16.60	30.509		
2,500.0	2,483.6	2,402.7	2,383.3	8.9	8.7	-164.56	66.3	-326.2	540.4	523.1	17.32	31.208		
2,600.0	2,582.2	2,496.7	2,475.5	9.3	9.1	-164.48	72.0	-343.4	574.5	556.4	18.05	31.832		
2,700.0	2,680.8	2,590.7	2,567.8	9.7	9.4	-164.41	77.6	-360.6	608.6	589.8	18.79	32.391		
2,800.0	2,779.5	2,684.7	2,660.0	10.2	9.8	-164.35	83.3	-377.8	642.6	623.1	19.54	32.895		
2,900.0	2,878.1	2,778.7	2,752.3	10.6	10.2	-164.29	89.0	-395.0	676.7	656.4	20.29	33.349		
3,000.0	2,976.7	2,872.7	2,844.5	11.0	10.6	-164.24	94.6	-412.2	710.8	689.7	21.05	33.760		
3,100.0	3,075.3	2,966.7	2,936.8	11.4	11.0	-164.19	100.3	-429.5	744.9	723.0	21.82	34.133		
3,200.0	3,173.9	3,060.7	3,029.0	11.8	11.4	-164.15	105.9	-446.7	778.9	756.4	22.60	34.474		
3,300.0	3,272.5	3,154.8	3,121.3	12.2	11.8	-164.11	111.6	-463.9	813.0	789.7	23.37	34.784		
3,400.0	3,371.1	3,248.8	3,213.5	12.7	12.2	-164.08	117.2	-481.1	847.1	823.0	24.16	35.069		
3,500.0	3,469.7	3,342.8	3,305.8	13.1	12.7	-164.04	122.9	-498.3	881.2	856.2	24.94	35.330		
3,600.0	3,568.4	3,436.8	3,398.0	13.5	13.1	-164.01	128.6	-515.5	915.3	889.5	25.73	35.571		
3,700.0	3,667.0	3,530.8	3,490.3	13.9	13.5	-163.98	134.2	-532.8	949.3	922.8	26.52	35.793		
3,800.0	3,765.6	3,624.8	3,582.5	14.4	13.9	-163.96	139.9	-550.0	983.4	956.1	27.32	35.998		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 702H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		No-Go		Separation		Warning		
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)	Distance (usft)	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.71	-1.1	-89.9	89.9	89.4	0.48	187.475		
100.0	100.0	100.0	100.0	1.2	1.2	-90.71	-1.1	-89.9	89.9	87.0	2.87	31.353		
200.0	200.0	200.0	200.0	1.7	1.7	-90.71	-1.1	-89.9	89.9	86.0	3.86	23.265		
300.0	300.0	300.0	300.0	2.1	2.1	-90.71	-1.1	-89.9	89.9	85.3	4.63	19.399		
400.0	400.0	400.0	400.0	2.4	2.4	-90.71	-1.1	-89.9	89.9	84.6	5.29	17.001		
500.0	500.0	500.0	500.0	2.7	2.7	-90.71	-1.1	-89.9	89.9	84.0	5.87	15.322		
600.0	600.0	600.0	600.0	3.0	3.0	-90.71	-1.1	-89.9	89.9	83.5	6.39	14.058		
700.0	700.0	700.0	700.0	3.2	3.2	-90.71	-1.1	-89.9	89.9	83.0	6.88	13.061		
800.0	800.0	800.0	800.0	3.5	3.5	-90.71	-1.1	-89.9	89.9	82.5	7.34	12.248		
900.0	900.0	900.0	900.0	3.7	3.7	-90.71	-1.1	-89.9	89.9	82.1	7.77	11.566		
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.71	-1.1	-89.9	89.9	81.7	8.18	10.985 CC, ES		
1,100.0	1,100.0	1,097.8	1,097.8	4.2	4.2	-167.67	0.1	-91.0	92.8	84.0	8.73	10.621 SF		
1,200.0	1,199.8	1,195.1	1,194.9	4.5	4.5	-166.22	3.7	-94.5	101.5	92.2	9.27	10.940		
1,300.0	1,299.5	1,291.3	1,290.8	4.9	4.8	-164.28	9.5	-100.2	116.0	106.2	9.82	11.809		
1,400.0	1,398.7	1,386.0	1,384.8	5.2	5.2	-162.25	17.5	-108.0	136.4	126.0	10.38	13.135		
1,477.6	1,475.4	1,458.1	1,456.2	5.4	5.4	-160.76	25.1	-115.4	156.2	145.4	10.77	14.510		
1,500.0	1,497.5	1,478.7	1,476.5	5.4	5.5	-160.39	27.5	-117.7	162.5	151.6	10.86	14.965		
1,600.0	1,596.1	1,572.7	1,569.0	5.7	5.8	-158.76	39.4	-129.2	191.6	180.2	11.37	16.843		
1,700.0	1,694.7	1,668.2	1,663.0	6.0	6.1	-157.50	51.5	-141.0	221.0	209.0	11.91	18.554		
1,800.0	1,793.3	1,763.7	1,757.0	6.4	6.4	-156.54	63.7	-152.9	250.4	237.9	12.46	20.097		
1,900.0	1,891.9	1,859.2	1,850.9	6.7	6.7	-155.78	75.9	-164.7	279.9	266.9	13.03	21.475		
2,000.0	1,990.5	1,954.7	1,944.9	7.1	7.0	-155.17	88.0	-176.5	309.4	295.8	13.63	22.705		
2,100.0	2,089.2	2,050.2	2,038.9	7.4	7.4	-154.66	100.2	-188.4	339.0	324.7	14.24	23.805		
2,200.0	2,187.8	2,145.7	2,132.9	7.8	7.7	-154.24	112.4	-200.2	368.6	353.7	14.87	24.790		
2,300.0	2,286.4	2,241.2	2,226.8	8.2	8.1	-153.87	124.6	-212.0	398.2	382.6	15.51	25.677		
2,400.0	2,385.0	2,339.3	2,323.5	8.6	8.5	-153.56	137.0	-224.1	427.6	411.4	16.25	26.321		
2,500.0	2,483.6	2,441.9	2,424.7	8.9	9.0	-153.39	148.9	-235.6	455.9	438.9	17.07	26.713		
2,600.0	2,582.2	2,545.4	2,527.1	9.3	9.4	-153.36	159.5	-246.0	482.8	465.0	17.77	27.162		
2,700.0	2,680.8	2,649.8	2,630.7	9.7	9.8	-153.45	169.0	-255.2	508.1	489.6	18.48	27.494		
2,800.0	2,779.5	2,755.0	2,735.2	10.2	10.2	-153.64	177.1	-263.1	532.0	512.8	19.19	27.726		
2,900.0	2,878.1	2,860.9	2,840.7	10.6	10.6	-153.93	183.9	-269.7	554.3	534.4	19.89	27.874		
3,000.0	2,976.7	2,967.4	2,947.0	11.0	10.9	-154.31	189.3	-274.9	575.2	554.6	20.58	27.950		
3,100.0	3,075.3	3,074.6	3,054.0	11.4	11.3	-154.77	193.3	-278.8	594.5	573.2	21.26	27.968		
3,200.0	3,173.9	3,182.3	3,161.6	11.8	11.6	-155.30	195.9	-281.4	612.3	590.4	21.91	27.942		
3,300.0	3,272.5	3,290.5	3,269.8	12.2	11.9	-155.91	197.0	-282.5	628.7	606.1	22.53	27.898		
3,400.0	3,371.1	3,391.8	3,371.1	12.7	12.0	-156.53	197.1	-282.5	644.0	620.9	23.02	27.975		
3,500.0	3,469.7	3,490.4	3,469.7	13.1	12.1	-157.10	197.1	-282.5	659.3	635.7	23.50	28.047		
3,600.0	3,568.4	3,589.0	3,568.4	13.5	12.1	-157.65	197.1	-282.5	674.6	650.6	24.00	28.107		
3,700.0	3,667.0	3,687.6	3,667.0	13.9	12.2	-158.17	197.1	-282.5	690.0	665.5	24.51	28.157		
3,800.0	3,765.6	3,786.3	3,765.6	14.4	12.3	-158.67	197.1	-282.5	705.5	680.5	25.02	28.199		
3,900.0	3,864.2	3,884.9	3,864.2	14.8	12.4	-159.15	197.1	-282.5	721.0	695.4	25.54	28.232		
4,000.0	3,962.8	3,983.5	3,962.8	15.2	12.4	-159.61	197.1	-282.5	736.5	710.5	26.06	28.258		
4,100.0	4,061.4	4,082.1	4,061.4	15.7	12.5	-160.05	197.1	-282.5	752.1	725.5	26.60	28.278		
4,200.0	4,160.0	4,180.7	4,160.0	16.1	12.6	-160.47	197.1	-282.5	767.8	740.7	27.14	28.293		
4,300.0	4,258.7	4,279.3	4,258.7	16.5	12.7	-160.87	197.1	-282.5	783.5	755.8	27.68	28.303		
4,400.0	4,357.3	4,377.9	4,357.3	17.0	12.7	-161.26	197.1	-282.5	799.2	771.0	28.23	28.308		
4,500.0	4,455.9	4,476.5	4,455.9	17.4	12.8	-161.64	197.1	-282.5	814.9	786.2	28.79	28.310		
4,600.0	4,554.5	4,575.2	4,554.5	17.8	12.9	-162.00	197.1	-282.5	830.7	801.4	29.35	28.308		
4,700.0	4,653.1	4,673.8	4,653.1	18.3	13.0	-162.34	197.1	-282.5	846.6	816.6	29.91	28.303		
4,800.0	4,751.7	4,772.4	4,751.7	18.7	13.0	-162.68	197.1	-282.5	862.4	831.9	30.48	28.296		
4,900.0	4,850.3	4,871.0	4,850.3	19.2	13.1	-163.00	197.1	-282.5	878.3	847.2	31.05	28.286		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 702H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 MWD+IFR1			Rule Assigned:										Offset Well Error: 0.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-/S (usft)	+E-/W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
5,000.0	4,948.9	4,969.6	4,948.9	19.6	13.2	-163.31	197.1	-282.5	894.2	862.6	31.62	28.275		
5,100.0	5,047.6	5,068.2	5,047.6	20.0	13.3	-163.61	197.1	-282.5	910.1	877.9	32.20	28.262		
5,200.0	5,146.2	5,166.8	5,146.2	20.5	13.3	-163.90	197.1	-282.5	926.1	893.3	32.78	28.247		
5,300.0	5,244.8	5,265.5	5,244.8	20.9	13.4	-164.18	197.1	-282.5	942.0	908.7	33.37	28.232		
5,400.0	5,343.4	5,364.1	5,343.4	21.4	13.5	-164.45	197.1	-282.5	958.0	924.1	33.95	28.215		
5,500.0	5,442.0	5,462.7	5,442.0	21.8	13.6	-164.71	197.1	-282.5	974.0	939.5	34.54	28.197		
5,600.0	5,540.6	5,561.3	5,540.6	22.3	13.6	-164.96	197.1	-282.5	990.1	954.9	35.14	28.178		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
0.0	0.0	0.0	0.0	0.0	0.0	-90.58	-0.6	-60.0	60.0	59.5	0.48	125.145	
100.0	100.0	100.0	100.0	1.2	1.2	-90.58	-0.6	-60.0	60.0	57.1	2.87	20.929	
200.0	200.0	200.0	200.0	1.7	1.7	-90.58	-0.6	-60.0	60.0	56.1	3.86	15.530	
300.0	300.0	300.0	300.0	2.1	2.1	-90.58	-0.6	-60.0	60.0	55.4	4.63	12.949	
400.0	400.0	400.0	400.0	2.4	2.4	-90.58	-0.6	-60.0	60.0	54.7	5.29	11.349	
500.0	500.0	500.0	500.0	2.7	2.7	-90.58	-0.6	-60.0	60.0	54.1	5.87	10.228	
600.0	600.0	600.0	600.0	3.0	3.0	-90.58	-0.6	-60.0	60.0	53.6	6.39	9.384	
700.0	700.0	700.0	700.0	3.2	3.2	-90.58	-0.6	-60.0	60.0	53.1	6.88	8.719	
800.0	800.0	800.0	800.0	3.5	3.5	-90.58	-0.6	-60.0	60.0	52.7	7.34	8.176	
900.0	900.0	900.0	900.0	3.7	3.7	-90.58	-0.6	-60.0	60.0	52.2	7.77	7.721	
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.58	-0.6	-60.0	60.0	51.8	8.18	7.333 CC	
1,100.0	1,100.0	1,101.5	1,101.5	4.2	4.2	-167.25	0.7	-58.7	60.4	51.7	8.75	6.911 ES	
1,200.0	1,199.8	1,203.0	1,202.8	4.5	4.6	-164.81	4.4	-54.9	61.8	52.6	9.28	6.664	
1,300.0	1,299.5	1,304.3	1,303.8	4.9	4.9	-160.99	10.7	-48.5	64.4	54.6	9.79	6.576	
1,400.0	1,398.7	1,405.5	1,404.1	5.2	5.2	-156.17	19.5	-39.6	68.4	58.1	10.27	6.659	
1,477.6	1,475.4	1,483.4	1,481.2	5.4	5.4	-152.18	27.8	-31.1	72.7	62.3	10.47	6.945	
1,500.0	1,497.5	1,505.7	1,503.2	5.4	5.4	-151.20	30.2	-28.7	74.3	63.8	10.52	7.061	
1,600.0	1,596.1	1,605.3	1,601.6	5.7	5.7	-147.24	41.1	-17.6	81.4	70.5	10.92	7.459	
1,700.0	1,694.7	1,704.9	1,699.9	6.0	6.0	-143.93	52.0	-6.5	88.9	77.6	11.30	7.866	
1,800.0	1,793.3	1,804.5	1,798.3	6.4	6.4	-141.14	62.9	4.5	96.6	84.9	11.69	8.264	
1,900.0	1,891.9	1,904.1	1,896.7	6.7	6.7	-138.77	73.8	15.6	104.5	92.4	12.08	8.651	
2,000.0	1,990.5	2,003.7	1,995.1	7.1	7.0	-136.74	84.7	26.6	112.6	100.1	12.47	9.025	
2,100.0	2,089.2	2,103.3	2,093.5	7.4	7.4	-134.97	95.6	37.7	120.8	107.9	12.87	9.385	
2,200.0	2,187.8	2,202.9	2,191.9	7.8	7.8	-133.44	106.4	48.8	129.0	115.8	13.26	9.731	
2,300.0	2,286.4	2,302.5	2,290.2	8.2	8.2	-132.08	117.3	59.8	137.4	123.7	13.65	10.063	
2,400.0	2,385.0	2,402.1	2,388.6	8.6	8.5	-130.89	128.2	70.9	145.8	131.8	14.05	10.381	
2,500.0	2,483.6	2,501.7	2,487.0	8.9	8.9	-129.82	139.1	82.0	154.3	139.9	14.44	10.685	
2,600.0	2,582.2	2,601.3	2,585.4	9.3	9.3	-128.87	150.0	93.0	162.8	148.0	14.84	10.976	
2,700.0	2,680.8	2,700.6	2,683.6	9.7	9.7	-128.19	160.5	103.7	171.5	156.3	15.21	11.276	
2,800.0	2,779.5	2,800.0	2,782.1	10.2	10.1	-128.10	169.8	113.2	180.3	164.7	15.65	11.524	
2,900.0	2,878.1	2,899.1	2,880.5	10.6	10.5	-128.55	177.9	121.4	189.3	173.2	16.12	11.744	
3,000.0	2,976.7	2,998.2	2,979.1	11.0	10.8	-129.44	184.9	128.5	198.6	182.0	16.64	11.935	
3,100.0	3,075.3	3,097.2	3,077.7	11.4	11.2	-130.72	190.6	134.3	208.2	191.0	17.20	12.101	
3,200.0	3,173.9	3,195.8	3,176.2	11.8	11.5	-132.33	195.1	138.8	218.2	200.3	17.82	12.245	
3,300.0	3,272.5	3,294.3	3,274.5	12.2	11.9	-134.21	198.4	142.2	228.7	210.2	18.48	12.373	
3,400.0	3,371.1	3,392.3	3,372.5	12.7	12.2	-136.31	200.5	144.4	239.8	220.6	19.20	12.492	
3,500.0	3,469.7	3,490.0	3,470.1	13.1	12.4	-138.58	201.4	145.3	251.7	231.8	19.96	12.612	
3,600.0	3,568.4	3,588.2	3,568.4	13.5	12.5	-140.93	201.5	145.4	264.5	243.7	20.73	12.757	
3,700.0	3,667.0	3,686.8	3,667.0	13.9	12.6	-143.07	201.5	145.4	277.6	256.1	21.51	12.906	
3,800.0	3,765.6	3,785.4	3,765.6	14.4	12.6	-145.03	201.5	145.4	291.1	268.8	22.28	13.065	
3,900.0	3,864.2	3,884.0	3,864.2	14.8	12.7	-146.81	201.5	145.4	304.9	281.9	23.04	13.234	
4,000.0	3,962.8	3,982.7	3,962.8	15.2	12.8	-148.43	201.5	145.4	319.0	295.2	23.79	13.409	
4,100.0	4,061.4	4,081.3	4,061.4	15.7	12.8	-149.92	201.5	145.4	333.3	308.8	24.53	13.589	
4,200.0	4,160.0	4,179.9	4,160.0	16.1	12.9	-151.29	201.5	145.4	347.8	322.5	25.25	13.773	
4,300.0	4,258.7	4,278.5	4,258.7	16.5	13.0	-152.54	201.5	145.4	362.5	336.5	25.97	13.958	
4,400.0	4,357.3	4,377.1	4,357.3	17.0	13.1	-153.70	201.5	145.4	377.3	350.7	26.68	14.144	
4,500.0	4,455.9	4,475.7	4,455.9	17.4	13.1	-154.77	201.5	145.4	392.3	364.9	27.38	14.330	
4,600.0	4,554.5	4,574.3	4,554.5	17.8	13.2	-155.77	201.5	145.4	407.4	379.4	28.07	14.515	
4,700.0	4,653.1	4,672.9	4,653.1	18.3	13.3	-156.69	201.5	145.4	422.7	393.9	28.76	14.698	
4,800.0	4,751.7	4,771.6	4,751.7	18.7	13.4	-157.55	201.5	145.4	438.0	408.5	29.44	14.879	
4,900.0	4,850.3	4,870.2	4,850.3	19.2	13.4	-158.35	201.5	145.4	453.4	423.3	30.11	15.057	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning						
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre	Between	Between	No-Go	Separation			
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Distance	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
5,000.0	4,948.9	4,968.8	4,948.9	19.6	13.5	-159.09	201.5	145.4	468.9	438.1	30.78	15.233		
5,100.0	5,047.6	5,067.4	5,047.6	20.0	13.6	-159.79	201.5	145.4	484.4	453.0	31.45	15.405		
5,200.0	5,146.2	5,166.0	5,146.2	20.5	13.7	-160.45	201.5	145.4	500.1	468.0	32.11	15.574		
5,300.0	5,244.8	5,264.6	5,244.8	20.9	13.7	-161.06	201.5	145.4	515.8	483.0	32.77	15.740		
5,400.0	5,343.4	5,363.2	5,343.4	21.4	13.8	-161.64	201.5	145.4	531.5	498.1	33.42	15.902		
5,500.0	5,442.0	5,461.9	5,442.0	21.8	13.9	-162.19	201.5	145.4	547.3	513.2	34.08	16.061		
5,600.0	5,540.6	5,560.5	5,540.6	22.3	14.0	-162.71	201.5	145.4	563.2	528.4	34.73	16.216		
5,700.0	5,639.2	5,659.1	5,639.2	22.7	14.0	-163.19	201.5	145.4	579.0	543.7	35.38	16.367		
5,800.0	5,737.9	5,757.7	5,737.9	23.1	14.1	-163.65	201.5	145.4	595.0	558.9	36.02	16.515		
5,900.0	5,836.5	5,856.3	5,836.5	23.6	14.2	-164.09	201.5	145.4	610.9	574.2	36.67	16.660		
6,000.0	5,935.1	5,954.9	5,935.1	24.0	14.2	-164.51	201.5	145.4	626.9	589.6	37.31	16.801		
6,100.0	6,033.7	6,053.5	6,033.7	24.5	14.3	-164.90	201.5	145.4	642.9	605.0	37.96	16.938		
6,200.0	6,132.3	6,152.1	6,132.3	24.9	14.4	-165.28	201.5	145.4	659.0	620.4	38.60	17.073		
6,300.0	6,230.9	6,250.8	6,230.9	25.4	14.5	-165.64	201.5	145.4	675.1	635.8	39.24	17.204		
6,400.0	6,329.5	6,349.4	6,329.5	25.8	14.5	-165.98	201.5	145.4	691.2	651.3	39.88	17.331		
6,500.0	6,428.1	6,448.0	6,428.1	26.3	14.6	-166.30	201.5	145.4	707.3	666.8	40.52	17.456		
6,600.0	6,526.8	6,546.6	6,526.8	26.7	14.7	-166.61	201.5	145.4	723.4	682.3	41.16	17.578		
6,622.7	6,549.2	6,569.0	6,549.2	26.8	14.7	-166.68	201.5	145.4	727.1	685.8	41.30	17.607		
6,700.0	6,625.5	6,645.3	6,625.5	27.1	14.8	-166.93	201.5	145.4	739.1	697.3	41.78	17.691		
6,800.0	6,724.4	6,744.3	6,724.4	27.6	14.8	-167.21	201.5	145.4	753.1	710.8	42.39	17.766		
6,900.0	6,823.6	6,843.4	6,823.6	28.0	14.9	-167.45	201.5	145.4	765.5	722.5	42.99	17.807		
7,000.0	6,923.0	6,942.8	6,923.0	28.4	15.0	-167.64	201.5	145.4	776.2	732.6	43.56	17.817		
7,100.0	7,022.6	7,042.4	7,022.6	28.8	15.1	-167.81	201.5	145.4	785.2	741.1	44.12	17.798		
7,200.0	7,122.3	7,142.1	7,122.3	29.2	15.1	-167.94	201.5	145.4	792.5	747.8	44.64	17.751		
7,300.0	7,222.1	7,242.0	7,222.1	29.5	15.2	-168.03	201.5	145.4	798.1	752.9	45.14	17.680		
7,400.0	7,322.1	7,341.9	7,322.1	29.8	15.3	-168.10	201.5	145.4	802.0	756.4	45.60	17.588		
7,500.0	7,422.0	7,441.9	7,422.0	30.1	15.4	-168.14	201.5	145.4	804.2	758.2	46.00	17.481		
7,578.0	7,500.0	7,519.8	7,500.0	30.2	15.4	-90.63	201.5	145.4	804.7	758.5	46.17	17.428		
7,600.0	7,522.0	7,541.9	7,522.0	30.2	15.5	-90.63	201.5	145.4	804.7	758.5	46.19	17.422		
7,700.0	7,622.0	7,641.9	7,622.0	30.3	15.5	-90.63	201.5	145.4	804.7	758.4	46.28	17.388		
7,800.0	7,722.0	7,741.9	7,722.0	30.3	15.6	-90.63	201.5	145.4	804.7	758.3	46.37	17.355		
7,900.0	7,822.0	7,841.9	7,822.0	30.3	15.7	-90.63	201.5	145.4	804.7	758.2	46.45	17.322		
8,000.0	7,922.0	7,941.9	7,922.0	30.4	15.8	-90.63	201.5	145.4	804.7	758.1	46.54	17.289		
8,100.0	8,022.0	8,041.9	8,022.0	30.4	15.8	-90.63	201.5	145.4	804.7	758.0	46.63	17.256		
8,200.0	8,122.0	8,141.9	8,122.0	30.4	15.9	-90.63	201.5	145.4	804.7	758.0	46.72	17.223		
8,300.0	8,222.0	8,241.9	8,222.0	30.4	16.0	-90.63	201.5	145.4	804.7	757.9	46.81	17.190		
8,400.0	8,322.0	8,341.9	8,322.0	30.5	16.1	-90.63	201.5	145.4	804.7	757.8	46.90	17.157		
8,500.0	8,422.0	8,441.9	8,422.0	30.5	16.1	-90.63	201.5	145.4	804.7	757.7	46.99	17.124		
8,600.0	8,522.0	8,541.9	8,522.0	30.5	16.2	-90.63	201.5	145.4	804.7	757.6	47.08	17.091		
8,700.0	8,622.0	8,641.9	8,622.0	30.6	16.3	-90.63	201.5	145.4	804.7	757.5	47.17	17.057		
8,800.0	8,722.0	8,741.9	8,722.0	30.6	16.4	-90.63	201.5	145.4	804.7	757.4	47.27	17.024		
8,900.0	8,822.0	8,841.9	8,822.0	30.6	16.5	-90.63	201.5	145.4	804.7	757.3	47.36	16.991		
9,000.0	8,922.0	8,941.9	8,922.0	30.7	16.5	-90.63	201.5	145.4	804.7	757.2	47.45	16.958		
9,100.0	9,022.0	9,041.9	9,022.0	30.7	16.6	-90.63	201.5	145.4	804.7	757.1	47.54	16.925		
9,200.0	9,122.0	9,141.9	9,122.0	30.7	16.7	-90.63	201.5	145.4	804.7	757.0	47.64	16.892		
9,300.0	9,222.0	9,241.9	9,222.0	30.8	16.8	-90.63	201.5	145.4	804.7	756.9	47.73	16.859		
9,400.0	9,322.0	9,341.9	9,322.0	30.8	16.8	-90.63	201.5	145.4	804.7	756.9	47.82	16.826		
9,500.0	9,422.0	9,441.9	9,422.0	30.8	16.9	-90.63	201.5	145.4	804.7	756.8	47.92	16.792		
9,600.0	9,522.0	9,541.9	9,522.0	30.9	17.0	-90.63	201.5	145.4	804.7	756.7	48.01	16.759		
9,700.0	9,622.0	9,641.9	9,622.0	30.9	17.1	-90.63	201.5	145.4	804.7	756.6	48.11	16.726		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,800.0	9,722.0	9,741.9	9,722.0	30.9	17.1	-90.63	201.5	145.4	804.7	756.5	48.20	16.693		
9,900.0	9,822.0	9,841.9	9,822.0	31.0	17.2	-90.63	201.5	145.4	804.7	756.4	48.30	16.660		
10,000.0	9,922.0	9,941.9	9,922.0	31.0	17.3	-90.63	201.5	145.4	804.7	756.3	48.40	16.627		
10,100.0	10,022.0	10,041.9	10,022.0	31.0	17.4	-90.63	201.5	145.4	804.7	756.2	48.49	16.594		
10,200.0	10,122.0	10,141.9	10,122.0	31.1	17.5	-90.63	201.5	145.4	804.7	756.1	48.59	16.561		
10,300.0	10,222.0	10,241.9	10,222.0	31.1	17.5	-90.63	201.5	145.4	804.7	756.0	48.69	16.528		
10,400.0	10,322.0	10,341.9	10,322.0	31.1	17.6	-90.63	201.5	145.4	804.7	755.9	48.78	16.495		
10,500.0	10,422.0	10,441.9	10,422.0	31.2	17.7	-90.63	201.5	145.4	804.7	755.8	48.88	16.462		
10,600.0	10,522.0	10,541.9	10,522.0	31.2	17.8	-90.63	201.5	145.4	804.7	755.7	48.98	16.429		
10,700.0	10,622.0	10,641.9	10,622.0	31.2	17.8	-90.63	201.5	145.4	804.7	755.6	49.08	16.396		
10,800.0	10,722.0	10,741.9	10,722.0	31.3	17.9	-90.63	201.5	145.4	804.7	755.5	49.18	16.363		
10,900.0	10,822.0	10,841.9	10,822.0	31.3	18.0	-90.63	201.5	145.4	804.7	755.4	49.28	16.330		
11,000.0	10,922.0	10,941.9	10,922.0	31.3	18.1	-90.63	201.5	145.4	804.7	755.3	49.38	16.297		
11,100.0	11,022.0	11,041.9	11,022.0	31.4	18.2	-90.63	201.5	145.4	804.7	755.2	49.48	16.264		
11,200.0	11,122.0	11,141.9	11,122.0	31.4	18.2	-90.63	201.5	145.4	804.7	755.1	49.58	16.231		
11,300.0	11,222.0	11,241.9	11,222.0	31.5	18.3	-90.63	201.5	145.4	804.7	755.0	49.68	16.198		
11,400.0	11,322.0	11,341.9	11,322.0	31.5	18.4	-90.63	201.5	145.4	804.7	754.9	49.78	16.166		
11,500.0	11,422.0	11,441.9	11,422.0	31.5	18.5	-90.63	201.5	145.4	804.7	754.8	49.88	16.133		
11,600.0	11,522.0	11,541.9	11,522.0	31.6	18.5	-90.63	201.5	145.4	804.7	754.7	49.98	16.100		
11,700.0	11,622.0	11,641.9	11,622.0	31.6	18.6	-90.63	201.5	145.4	804.7	754.6	50.08	16.067		
11,784.5	11,706.5	11,726.3	11,706.5	31.6	18.7	-90.63	201.5	145.4	804.7	754.5	50.16	16.043		
11,800.0	11,722.0	11,741.7	11,721.9	31.6	18.7	94.66	201.2	145.4	804.7	754.5	50.16	16.043		
11,825.0	11,747.0	11,766.6	11,746.7	31.6	18.6	94.65	199.8	145.4	804.8	754.7	50.16	16.045		
11,850.0	11,771.8	11,791.4	11,771.3	31.6	18.6	94.62	197.1	145.4	805.1	754.9	50.16	16.051		
11,875.0	11,796.5	11,816.2	11,795.8	31.6	18.6	94.58	193.1	145.4	805.4	755.3	50.15	16.059		
11,900.0	11,820.9	11,841.0	11,820.0	31.6	18.5	94.53	187.8	145.5	805.9	755.7	50.15	16.070		
11,925.0	11,845.0	11,865.8	11,844.0	31.6	18.5	94.46	181.3	145.5	806.4	756.3	50.14	16.083		
11,950.0	11,868.7	11,890.6	11,867.5	31.5	18.4	94.38	173.5	145.6	807.1	757.0	50.14	16.098		
11,975.0	11,892.0	11,915.4	11,890.7	31.5	18.4	94.29	164.6	145.6	807.9	757.8	50.13	16.116		
12,000.0	11,914.8	11,940.2	11,913.3	31.5	18.3	94.19	154.4	145.7	808.8	758.7	50.13	16.135		
12,025.0	11,937.0	11,965.0	11,935.3	31.5	18.3	94.08	143.1	145.7	809.8	759.7	50.12	16.157		
12,050.0	11,958.5	11,989.8	11,956.8	31.5	18.2	93.95	130.6	145.8	810.9	760.7	50.11	16.180		
12,075.0	11,979.4	12,014.6	11,977.6	31.5	18.2	93.81	117.1	145.9	812.0	761.9	50.11	16.205		
12,100.0	11,999.6	12,039.4	11,997.6	31.5	18.1	93.67	102.5	146.0	813.3	763.2	50.11	16.232		
12,125.0	12,018.9	12,064.2	12,016.9	31.5	18.1	93.51	86.9	146.1	814.7	764.6	50.10	16.260		
12,150.0	12,037.4	12,089.0	12,035.3	31.4	18.1	93.35	70.3	146.2	816.1	766.0	50.10	16.289		
12,175.0	12,054.9	12,113.8	12,052.8	31.4	18.0	93.17	52.7	146.3	817.6	767.5	50.10	16.319		
12,200.0	12,071.5	12,138.6	12,069.4	31.4	18.0	92.99	34.3	146.5	819.3	769.1	50.11	16.350		
12,225.0	12,087.1	12,163.4	12,085.0	31.4	18.0	92.79	15.0	146.6	820.9	770.8	50.11	16.382		
12,250.0	12,101.7	12,188.2	12,099.6	31.4	17.9	92.59	-5.0	146.7	822.7	772.6	50.12	16.414		
12,275.0	12,115.2	12,213.0	12,113.2	31.4	17.9	92.39	-25.8	146.8	824.5	774.3	50.13	16.445		
12,300.0	12,127.5	12,237.8	12,125.6	31.4	17.9	92.18	-47.2	147.0	826.3	776.2	50.15	16.477		
12,325.0	12,138.7	12,262.6	12,136.9	31.5	17.9	91.96	-69.3	147.1	828.3	778.1	50.17	16.509		
12,350.0	12,148.8	12,287.5	12,147.1	31.5	17.9	91.73	-92.0	147.3	830.2	780.0	50.20	16.540		
12,375.0	12,157.6	12,312.3	12,156.1	31.5	17.9	91.51	-115.1	147.4	832.2	782.0	50.23	16.570		
12,400.0	12,165.2	12,337.1	12,163.8	31.5	17.9	91.28	-138.7	147.6	834.3	784.0	50.26	16.599		
12,425.0	12,171.5	12,362.0	12,170.3	31.5	17.9	91.04	-162.7	147.7	836.4	786.1	50.30	16.628		
12,450.0	12,176.5	12,386.8	12,175.6	31.5	17.9	90.81	-187.0	147.9	838.5	788.1	50.34	16.655		
12,475.0	12,180.3	12,411.7	12,179.6	31.6	17.9	90.57	-211.5	148.1	840.6	790.2	50.39	16.681		
12,500.0	12,182.7	12,436.6	12,182.3	31.6	17.9	90.33	-236.2	148.2	842.7	792.3	50.44	16.706		
12,525.0	12,183.9	12,461.5	12,183.7	31.6	18.0	90.09	-261.1	148.4	844.9	794.4	50.50	16.729		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)				
12,534.5	12,184.0	12,470.9	12,183.9	31.6	18.0	90.00	-270.5	148.4	845.7	795.2	50.52	16.738		
12,600.0	12,184.0	12,536.2	12,184.0	31.7	18.1	90.00	-335.9	148.9	850.6	799.9	50.71	16.773		
12,700.0	12,184.0	12,636.1	12,184.0	31.9	18.3	90.00	-435.8	149.5	855.1	804.1	51.07	16.745		
12,781.0	12,184.0	12,717.1	12,184.0	32.0	18.4	90.00	-516.7	150.0	856.3	804.9	51.40	16.660		
12,800.0	12,184.0	12,736.1	12,184.0	32.1	18.5	90.00	-535.7	150.2	856.3	804.8	51.48	16.634		
12,900.0	12,184.0	12,836.1	12,184.0	32.3	18.8	90.00	-635.7	150.8	856.3	804.3	51.95	16.483		
13,000.0	12,184.0	12,936.1	12,184.0	32.5	19.1	90.00	-735.7	151.5	856.3	803.8	52.49	16.314		
13,100.0	12,184.0	13,036.1	12,184.0	32.8	19.5	90.00	-835.7	152.1	856.3	803.2	53.09	16.129		
13,200.0	12,184.0	13,136.1	12,184.0	33.1	19.9	90.00	-935.7	152.8	856.3	802.5	53.75	15.931		
13,300.0	12,184.0	13,236.1	12,184.0	33.4	20.3	90.00	-1,035.7	153.4	856.3	801.8	54.47	15.720		
13,400.0	12,184.0	13,336.1	12,184.0	33.8	20.8	90.00	-1,135.7	154.1	856.2	801.0	55.25	15.499		
13,500.0	12,184.0	13,436.1	12,184.0	34.1	21.3	90.00	-1,235.7	154.7	856.2	800.2	56.08	15.269		
13,600.0	12,184.0	13,536.1	12,184.0	34.5	21.9	90.00	-1,335.7	155.4	856.2	799.3	56.96	15.032		
13,700.0	12,184.0	13,636.1	12,184.0	34.9	22.5	90.00	-1,435.7	156.0	856.2	798.3	57.89	14.790		
13,800.0	12,184.0	13,736.1	12,184.0	35.3	23.1	90.00	-1,535.7	156.7	856.2	797.4	58.87	14.544		
13,900.0	12,184.0	13,836.1	12,184.0	35.8	23.8	90.00	-1,635.7	157.3	856.2	796.3	59.90	14.295		
14,000.0	12,184.0	13,936.1	12,184.0	36.3	24.4	90.00	-1,735.7	158.0	856.2	795.3	60.96	14.045		
14,100.0	12,184.0	14,036.1	12,184.0	36.7	25.1	90.00	-1,835.7	158.6	856.2	794.1	62.07	13.795		
14,200.0	12,184.0	14,136.1	12,184.0	37.2	25.8	90.00	-1,935.7	159.3	856.2	793.0	63.21	13.545		
14,300.0	12,184.0	14,236.1	12,184.0	37.8	26.5	90.00	-2,035.7	159.9	856.2	791.8	64.39	13.296		
14,400.0	12,184.0	14,336.1	12,184.0	38.3	27.3	90.00	-2,135.7	160.6	856.2	790.6	65.61	13.050		
14,500.0	12,184.0	14,436.1	12,184.0	38.9	28.0	90.00	-2,235.7	161.2	856.2	789.3	66.86	12.807		
14,600.0	12,184.0	14,536.1	12,184.0	39.4	28.8	90.00	-2,335.7	161.9	856.2	788.1	68.13	12.566		
14,700.0	12,184.0	14,636.1	12,184.0	40.0	29.6	90.00	-2,435.7	162.5	856.2	786.8	69.44	12.330		
14,800.0	12,184.0	14,736.1	12,184.0	40.6	30.4	90.00	-2,535.7	163.2	856.2	785.4	70.77	12.098		
14,900.0	12,184.0	14,836.1	12,184.0	41.2	31.2	90.00	-2,635.7	163.8	856.2	784.1	72.13	11.870		
15,000.0	12,184.0	14,936.1	12,184.0	41.9	32.0	90.00	-2,735.7	164.5	856.2	782.7	73.52	11.646		
15,100.0	12,184.0	15,036.1	12,184.0	42.5	32.8	90.00	-2,835.7	165.1	856.2	781.3	74.92	11.428		
15,200.0	12,184.0	15,136.1	12,184.0	43.1	33.6	90.00	-2,935.7	165.8	856.2	779.8	76.35	11.214		
15,300.0	12,184.0	15,236.1	12,184.0	43.8	34.4	90.00	-3,035.7	166.4	856.2	778.4	77.80	11.005		
15,400.0	12,184.0	15,336.1	12,184.0	44.5	35.3	90.00	-3,135.7	167.1	856.2	776.9	79.27	10.801		
15,500.0	12,184.0	15,436.1	12,184.0	45.2	36.1	90.00	-3,235.7	167.7	856.2	775.4	80.75	10.603		
15,600.0	12,184.0	15,536.1	12,184.0	45.8	37.0	90.00	-3,335.7	168.4	856.2	773.9	82.25	10.409		
15,700.0	12,184.0	15,636.1	12,184.0	46.5	37.8	90.00	-3,435.7	169.0	856.2	772.4	83.77	10.220		
15,800.0	12,184.0	15,736.1	12,184.0	47.3	38.7	90.00	-3,535.7	169.7	856.1	770.8	85.31	10.036		
15,900.0	12,184.0	15,836.1	12,184.0	48.0	39.5	90.00	-3,635.7	170.3	856.1	769.3	86.86	9.857		
16,000.0	12,184.0	15,936.1	12,184.0	48.7	40.4	90.00	-3,735.7	171.0	856.1	767.7	88.42	9.683		
16,100.0	12,184.0	16,036.1	12,184.0	49.4	41.3	90.00	-3,835.7	171.6	856.1	766.1	89.99	9.513		
16,200.0	12,184.0	16,136.1	12,184.0	50.2	42.2	90.00	-3,935.7	172.3	856.1	764.5	91.58	9.348		
16,300.0	12,184.0	16,236.1	12,184.0	50.9	43.1	90.00	-4,035.7	172.9	856.1	762.9	93.18	9.188		
16,400.0	12,184.0	16,336.1	12,184.0	51.7	43.9	90.00	-4,135.7	173.6	856.1	761.3	94.79	9.031		
16,500.0	12,184.0	16,436.1	12,184.0	52.5	44.8	90.00	-4,235.7	174.2	856.1	759.7	96.42	8.879		
16,600.0	12,184.0	16,536.1	12,184.0	53.2	45.7	90.00	-4,335.7	174.9	856.1	758.1	98.05	8.732		
16,700.0	12,184.0	16,636.1	12,184.0	54.0	46.6	90.00	-4,435.7	175.5	856.1	756.4	99.69	8.588		
16,800.0	12,184.0	16,736.1	12,184.0	54.8	47.5	90.00	-4,535.7	176.2	856.1	754.8	101.34	8.448		
16,900.0	12,184.0	16,836.1	12,184.0	55.6	48.4	90.00	-4,635.7	176.8	856.1	753.1	103.00	8.312		
17,000.0	12,184.0	16,936.1	12,184.0	56.4	49.3	90.00	-4,735.7	177.5	856.1	751.4	104.67	8.179		
17,100.0	12,184.0	17,036.1	12,184.0	57.2	50.2	90.00	-4,835.7	178.1	856.1	749.8	106.34	8.050		
17,200.0	12,184.0	17,136.1	12,184.0	58.0	51.1	90.00	-4,935.7	178.8	856.1	748.1	108.03	7.925		
17,300.0	12,184.0	17,236.1	12,184.0	58.8	52.0	90.00	-5,035.7	179.4	856.1	746.4	109.72	7.803		

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 2532 WC 705H - Slot
Project:	ZIA HILLS UNIT AREA	TVD Reference:	ZIA HILLS UNIT2532 WC 705H
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Grid
Well Error:	0.0 usft	Output errors are at	Minimum Curvature
Reference Wellbore	OWB	Database:	2.00 sigma
Reference Design:	PWP0	Offset TVD Reference:	EDT 17 Permian Prod
			Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
17,400.0	12,184.0	17,336.1	12,184.0	59.6	52.9	90.00	-5,135.6	180.1	856.1	744.7	111.41	7.684	
17,500.0	12,184.0	17,436.1	12,184.0	60.4	53.9	90.00	-5,235.6	180.7	856.1	743.0	113.12	7.568	
17,600.0	12,184.0	17,536.1	12,184.0	61.2	54.8	90.00	-5,335.6	181.4	856.1	741.3	114.83	7.455	
17,700.0	12,184.0	17,636.1	12,184.0	62.1	55.7	90.00	-5,435.6	182.0	856.1	739.5	116.54	7.346	
17,800.0	12,184.0	17,736.1	12,184.0	62.9	56.6	90.00	-5,535.6	182.7	856.1	737.8	118.26	7.239	
17,900.0	12,184.0	17,836.1	12,184.0	63.7	57.5	90.00	-5,635.6	183.3	856.1	736.1	119.99	7.135	
18,000.0	12,184.0	17,936.1	12,184.0	64.6	58.4	90.00	-5,735.6	184.0	856.1	734.3	121.72	7.033	
18,100.0	12,184.0	18,036.1	12,184.0	65.4	59.4	90.00	-5,835.6	184.6	856.1	732.6	123.46	6.934	
18,200.0	12,184.0	18,136.1	12,184.0	66.2	60.3	90.00	-5,935.6	185.3	856.1	730.9	125.20	6.838	
18,300.0	12,184.0	18,236.1	12,184.0	67.1	61.2	90.00	-6,035.6	185.9	856.0	729.1	126.95	6.743	
18,400.0	12,184.0	18,336.1	12,184.0	67.9	62.1	90.00	-6,135.6	186.6	856.0	727.3	128.70	6.652	
18,500.0	12,184.0	18,436.1	12,184.0	68.8	63.1	90.00	-6,235.6	187.2	856.0	725.6	130.45	6.562	
18,600.0	12,184.0	18,536.1	12,184.0	69.7	64.0	90.00	-6,335.6	187.9	856.0	723.8	132.21	6.475	
18,700.0	12,184.0	18,636.1	12,184.0	70.5	64.9	90.00	-6,435.6	188.5	856.0	722.1	133.97	6.390	
18,800.0	12,184.0	18,736.1	12,184.0	71.4	65.9	90.00	-6,535.6	189.2	856.0	720.3	135.74	6.306	
18,900.0	12,184.0	18,836.1	12,184.0	72.2	66.8	90.00	-6,635.6	189.8	856.0	718.5	137.51	6.225	
19,000.0	12,184.0	18,936.1	12,184.0	73.1	67.7	90.00	-6,735.6	190.5	856.0	716.7	139.28	6.146	
19,100.0	12,184.0	19,036.1	12,184.0	74.0	68.6	90.00	-6,835.6	191.1	856.0	715.0	141.06	6.068	
19,200.0	12,184.0	19,136.1	12,184.0	74.8	69.6	90.00	-6,935.6	191.8	856.0	713.2	142.84	5.993	
19,300.0	12,184.0	19,236.1	12,184.0	75.7	70.5	90.00	-7,035.6	192.4	856.0	711.4	144.62	5.919	
19,400.0	12,184.0	19,336.1	12,184.0	76.6	71.5	90.00	-7,135.6	193.1	856.0	709.6	146.41	5.847	
19,482.5	12,184.0	19,418.6	12,184.0	77.3	72.2	90.00	-7,218.1	193.6	856.0	708.1	147.88	5.788 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	0.0	0.0	0.0	0.0	-90.55	-0.3	-30.0	30.0	29.5	0.48	62.534	
100.0	100.0	100.0	100.0	1.2	1.2	-90.55	-0.3	-30.0	30.0	27.1	2.87	10.458	
200.0	200.0	200.0	200.0	1.7	1.7	-90.55	-0.3	-30.0	30.0	26.1	3.86	7.760	
300.0	300.0	300.0	300.0	2.1	2.1	-90.55	-0.3	-30.0	30.0	25.3	4.63	6.471	
400.0	400.0	400.0	400.0	2.4	2.4	-90.55	-0.3	-30.0	30.0	24.7	5.29	5.671	
500.0	500.0	500.0	500.0	2.7	2.7	-90.55	-0.3	-30.0	30.0	24.1	5.87	5.111	
600.0	600.0	600.0	600.0	3.0	3.0	-90.55	-0.3	-30.0	30.0	23.6	6.39	4.689	
700.0	700.0	700.0	700.0	3.2	3.2	-90.55	-0.3	-30.0	30.0	23.1	6.88	4.357	
800.0	800.0	800.0	800.0	3.5	3.5	-90.55	-0.3	-30.0	30.0	22.6	7.34	4.085	
900.0	900.0	900.0	900.0	3.7	3.7	-90.55	-0.3	-30.0	30.0	22.2	7.77	3.858	
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.55	-0.3	-30.0	30.0	21.8	8.18	3.664	
1,100.0	1,100.0	1,101.0	1,101.0	4.2	4.2	-167.69	0.3	-28.3	30.0	21.2	8.79	3.416	
1,200.0	1,199.8	1,202.0	1,201.8	4.5	4.5	-166.58	2.0	-23.2	30.1	20.8	9.37	3.216	
1,300.0	1,299.5	1,303.0	1,302.4	4.9	4.9	-164.75	4.9	-14.8	30.3	20.4	9.95	3.048	
1,400.0	1,398.7	1,404.0	1,402.6	5.2	5.2	-162.24	8.9	-3.1	30.7	20.1	10.54	2.910 Normal Operations	
1,477.6	1,475.4	1,482.4	1,480.1	5.4	5.5	-159.85	12.8	8.4	31.1	20.1	10.93	2.842 Normal Operations	
1,500.0	1,497.5	1,504.9	1,502.3	5.4	5.6	-159.05	14.1	12.0	31.1	20.1	11.02	2.825 Normal Operations	
1,600.0	1,596.1	1,605.5	1,601.1	5.7	5.8	-153.51	20.3	30.2	29.8	18.3	11.40	2.609 Normal Operations	
1,700.0	1,694.7	1,705.5	1,699.0	6.0	6.2	-146.46	26.7	49.1	28.0	16.2	11.78	2.380 Caution - Monitor Closely	
1,800.0	1,793.3	1,805.4	1,796.9	6.4	6.5	-138.62	33.2	67.9	26.8	14.7	12.05	2.221 Caution - Monitor Closely	
1,900.0	1,891.9	1,905.3	1,894.8	6.7	6.8	-130.18	39.6	86.7	26.1	13.8	12.22	2.131 Caution - Monitor Closely	
1,970.1	1,961.1	1,975.4	1,963.5	7.0	7.1	-124.08	44.1	100.0	25.9	13.6	12.30	2.106 Caution - Monitor Closely, CC, ES	
2,000.0	1,990.5	2,005.2	1,992.7	7.1	7.2	-121.47	46.0	105.6	25.9	13.6	12.32	2.105 Caution - Monitor Closely, SF	
2,100.0	2,089.2	2,105.2	2,090.7	7.4	7.6	-112.88	52.5	124.4	26.4	14.0	12.40	2.130 Caution - Monitor Closely	
2,200.0	2,187.8	2,205.1	2,188.6	7.8	7.9	-104.77	58.9	143.3	27.5	14.9	12.53	2.192 Caution - Monitor Closely	
2,300.0	2,286.4	2,305.0	2,286.5	8.2	8.3	-97.38	65.4	162.1	29.0	16.2	12.76	2.273 Caution - Monitor Closely	
2,400.0	2,385.0	2,404.9	2,384.4	8.6	8.7	-90.84	71.8	181.0	31.0	17.9	13.12	2.361 Caution - Monitor Closely	
2,500.0	2,483.6	2,504.8	2,482.3	8.9	9.1	-85.15	78.2	199.8	33.3	19.7	13.61	2.448 Caution - Monitor Closely	
2,600.0	2,582.2	2,604.8	2,580.2	9.3	9.5	-80.24	84.7	218.7	35.9	21.7	14.20	2.531 Normal Operations	
2,700.0	2,680.8	2,704.7	2,678.2	9.7	10.0	-76.02	91.1	237.5	38.8	23.9	14.86	2.609 Normal Operations	
2,800.0	2,779.5	2,804.6	2,776.1	10.2	10.4	-72.40	97.6	256.4	41.8	26.2	15.58	2.683 Normal Operations	
2,900.0	2,878.1	2,904.5	2,874.0	10.6	10.8	-69.28	104.0	275.2	45.0	28.6	16.33	2.754 Normal Operations	
3,000.0	2,976.7	3,004.5	2,971.9	11.0	11.2	-66.57	110.4	294.1	48.2	31.1	17.11	2.820 Normal Operations	
3,100.0	3,075.3	3,104.4	3,069.8	11.4	11.7	-64.21	116.9	312.9	51.6	33.7	17.90	2.884 Normal Operations	
3,200.0	3,173.9	3,204.3	3,167.7	11.8	12.1	-62.15	123.3	331.8	55.1	36.4	18.71	2.945 Normal Operations	
3,300.0	3,272.5	3,304.2	3,265.7	12.2	12.5	-60.33	129.8	350.6	58.6	39.1	19.52	3.002	
3,400.0	3,371.1	3,404.1	3,363.6	12.7	13.0	-58.72	136.2	369.5	62.2	41.8	20.33	3.058	
3,500.0	3,469.7	3,504.1	3,461.5	13.1	13.4	-57.29	142.7	388.3	65.8	44.6	21.15	3.110	
3,600.0	3,568.4	3,604.0	3,559.4	13.5	13.9	-56.00	149.1	407.2	69.4	47.5	21.97	3.160	
3,700.0	3,667.0	3,703.9	3,657.3	13.9	14.3	-54.84	155.5	426.0	73.1	50.3	22.79	3.208	
3,800.0	3,765.6	3,803.8	3,755.2	14.4	14.8	-53.80	162.0	444.9	76.8	53.2	23.61	3.254	
3,900.0	3,864.2	3,903.8	3,853.2	14.8	15.2	-52.85	168.4	463.7	80.6	56.1	24.44	3.296	
4,000.0	3,962.8	4,004.7	3,952.2	15.2	15.7	-52.37	174.7	482.0	83.8	58.6	25.18	3.326	
4,100.0	4,061.4	4,105.7	4,051.7	15.7	16.1	-52.78	180.4	498.7	85.7	60.0	25.73	3.332	
4,200.0	4,160.0	4,206.7	4,151.4	16.1	16.5	-54.03	185.5	513.6	86.5	60.5	26.06	3.320	
4,300.0	4,258.7	4,307.6	4,251.4	16.5	17.0	-56.14	190.0	527.0	86.2	60.1	26.15	3.297	
4,400.0	4,357.3	4,408.5	4,351.5	17.0	17.4	-59.21	194.0	538.6	84.9	59.0	25.95	3.273	
4,500.0	4,455.9	4,509.1	4,451.6	17.4	17.8	-63.38	197.4	548.5	82.9	57.5	25.41	3.264	
4,600.0	4,554.5	4,609.5	4,551.6	17.8	18.2	-68.81	200.2	556.8	80.6	56.0	24.52	3.286	
4,700.0	4,653.1	4,709.6	4,651.4	18.3	18.5	-75.68	202.5	563.4	78.3	55.0	23.36	3.353	
4,800.0	4,751.7	4,809.3	4,751.0	18.7	18.9	-84.07	204.2	568.3	76.9	54.6	22.26	3.453	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
4,844.4	4,795.5	4,853.5	4,795.1	18.9	19.0	-88.26	204.7	570.0	76.7	54.7	21.96	3.492		
4,900.0	4,850.3	4,908.6	4,850.2	19.2	19.2	-93.83	205.3	571.6	77.0	55.1	21.89	3.517		
5,000.0	4,948.9	5,007.4	4,949.0	19.6	19.4	-104.45	205.8	573.2	79.6	56.6	22.97	3.466		
5,100.0	5,047.6	5,106.0	5,047.6	20.0	19.5	-115.03	205.9	573.4	85.2	59.9	25.39	3.358		
5,200.0	5,146.2	5,204.6	5,146.2	20.5	19.6	-124.19	205.9	573.4	93.6	65.3	28.26	3.310		
5,300.0	5,244.8	5,303.2	5,244.8	20.9	19.6	-131.72	205.9	573.4	103.9	72.9	30.92	3.359		
5,400.0	5,343.4	5,401.8	5,343.4	21.4	19.7	-137.83	205.9	573.4	115.7	82.5	33.18	3.486		
5,500.0	5,442.0	5,500.4	5,442.0	21.8	19.7	-142.78	205.9	573.4	128.5	93.5	35.05	3.666		
5,600.0	5,540.6	5,599.0	5,540.6	22.3	19.7	-146.81	205.9	573.4	142.1	105.5	36.62	3.881		
5,700.0	5,639.2	5,697.6	5,639.2	22.7	19.8	-150.13	205.9	573.4	156.3	118.4	37.95	4.119		
5,800.0	5,737.9	5,796.2	5,737.9	23.1	19.8	-152.90	205.9	573.4	171.0	131.9	39.11	4.372		
5,900.0	5,836.5	5,894.9	5,836.5	23.6	19.9	-155.22	205.9	573.4	185.9	145.8	40.14	4.633		
6,000.0	5,935.1	5,993.5	5,935.1	24.0	19.9	-157.20	205.9	573.4	201.2	160.1	41.07	4.898		
6,100.0	6,033.7	6,092.1	6,033.7	24.5	20.0	-158.90	205.9	573.4	216.6	174.7	41.93	5.166		
6,200.0	6,132.3	6,190.7	6,132.3	24.9	20.0	-160.37	205.9	573.4	232.2	189.5	42.73	5.434		
6,300.0	6,230.9	6,289.3	6,230.9	25.4	20.1	-161.66	205.9	573.4	247.9	204.4	43.49	5.700		
6,400.0	6,329.5	6,387.9	6,329.5	25.8	20.1	-162.79	205.9	573.4	263.7	219.5	44.21	5.965		
6,500.0	6,428.1	6,486.5	6,428.1	26.3	20.2	-163.79	205.9	573.4	279.6	234.7	44.91	6.226		
6,600.0	6,526.8	6,585.2	6,526.8	26.7	20.2	-164.69	205.9	573.4	295.6	250.0	45.59	6.484		
6,622.7	6,549.2	6,607.5	6,549.2	26.8	20.2	-164.88	205.9	573.4	299.3	253.5	45.74	6.543		
6,700.0	6,625.5	6,683.8	6,625.5	27.1	20.3	-165.50	205.9	573.4	311.2	264.9	46.23	6.731		
6,800.0	6,724.4	6,782.8	6,724.4	27.6	20.3	-166.17	205.9	573.4	325.1	278.3	46.85	6.940		
6,900.0	6,823.6	6,882.0	6,823.6	28.0	20.4	-166.71	205.9	573.4	337.5	290.0	47.44	7.114		
7,000.0	6,923.0	6,981.4	6,923.0	28.4	20.4	-167.15	205.9	573.4	348.1	300.1	48.00	7.253		
7,100.0	7,022.6	7,081.0	7,022.6	28.8	20.5	-167.50	205.9	573.4	357.1	308.6	48.52	7.359		
7,200.0	7,122.3	7,180.7	7,122.3	29.2	20.5	-167.77	205.9	573.4	364.4	315.4	49.02	7.433		
7,300.0	7,222.1	7,280.5	7,222.1	29.5	20.6	-167.97	205.9	573.4	370.0	320.5	49.49	7.477		
7,400.0	7,322.1	7,380.4	7,322.1	29.8	20.6	-168.10	205.9	573.4	373.9	324.0	49.91	7.491		
7,500.0	7,422.0	7,480.4	7,422.0	30.1	20.7	-168.18	205.9	573.4	376.1	325.8	50.28	7.479		
7,578.0	7,500.0	7,558.4	7,500.0	30.2	20.7	-90.68	205.9	573.4	376.6	326.2	50.44	7.467		
7,600.0	7,522.0	7,580.4	7,522.0	30.2	20.7	-90.68	205.9	573.4	376.6	326.1	50.45	7.465		
7,700.0	7,622.0	7,680.4	7,622.0	30.3	20.8	-90.68	205.9	573.4	376.6	326.1	50.53	7.453		
7,800.0	7,722.0	7,780.4	7,722.0	30.3	20.8	-90.68	205.9	573.4	376.6	326.0	50.60	7.442		
7,900.0	7,822.0	7,880.4	7,822.0	30.3	20.9	-90.68	205.9	573.4	376.6	325.9	50.68	7.431		
8,000.0	7,922.0	7,980.4	7,922.0	30.4	20.9	-90.68	205.9	573.4	376.6	325.8	50.76	7.420		
8,100.0	8,022.0	8,080.4	8,022.0	30.4	21.0	-90.68	205.9	573.4	376.6	325.8	50.83	7.408		
8,200.0	8,122.0	8,180.4	8,122.0	30.4	21.0	-90.68	205.9	573.4	376.6	325.7	50.91	7.397		
8,300.0	8,222.0	8,280.4	8,222.0	30.4	21.1	-90.68	205.9	573.4	376.6	325.6	50.99	7.386		
8,400.0	8,322.0	8,380.4	8,322.0	30.5	21.1	-90.68	205.9	573.4	376.6	325.5	51.07	7.375		
8,500.0	8,422.0	8,480.4	8,422.0	30.5	21.2	-90.68	205.9	573.4	376.6	325.4	51.14	7.363		
8,600.0	8,522.0	8,580.4	8,522.0	30.5	21.2	-90.68	205.9	573.4	376.6	325.4	51.22	7.352		
8,700.0	8,622.0	8,680.4	8,622.0	30.6	21.3	-90.68	205.9	573.4	376.6	325.3	51.30	7.341		
8,800.0	8,722.0	8,780.4	8,722.0	30.6	21.3	-90.68	205.9	573.4	376.6	325.2	51.38	7.329		
8,900.0	8,822.0	8,880.4	8,822.0	30.6	21.4	-90.68	205.9	573.4	376.6	325.1	51.46	7.318		
9,000.0	8,922.0	8,980.4	8,922.0	30.7	21.4	-90.68	205.9	573.4	376.6	325.0	51.54	7.306		
9,100.0	9,022.0	9,080.4	9,022.0	30.7	21.5	-90.68	205.9	573.4	376.6	325.0	51.62	7.295		
9,200.0	9,122.0	9,180.4	9,122.0	30.7	21.6	-90.68	205.9	573.4	376.6	324.9	51.71	7.283		
9,300.0	9,222.0	9,280.4	9,222.0	30.8	21.6	-90.68	205.9	573.4	376.6	324.8	51.79	7.272		
9,400.0	9,322.0	9,380.4	9,322.0	30.8	21.7	-90.68	205.9	573.4	376.6	324.7	51.87	7.260		
9,500.0	9,422.0	9,480.4	9,422.0	30.8	21.7	-90.68	205.9	573.4	376.6	324.6	51.95	7.249		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 MWD+IFR1		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
9,600.0	9,522.0	9,580.4	9,522.0	30.9	21.8	-90.68	205.9	573.4	376.6	324.6	52.03	7.237		
9,700.0	9,622.0	9,680.4	9,622.0	30.9	21.8	-90.68	205.9	573.4	376.6	324.5	52.12	7.226		
9,800.0	9,722.0	9,780.4	9,722.0	30.9	21.9	-90.68	205.9	573.4	376.6	324.4	52.20	7.214		
9,900.0	9,822.0	9,880.4	9,822.0	31.0	21.9	-90.68	205.9	573.4	376.6	324.3	52.28	7.203		
10,000.0	9,922.0	9,980.4	9,922.0	31.0	22.0	-90.68	205.9	573.4	376.6	324.2	52.37	7.191		
10,100.0	10,022.0	10,080.4	10,022.0	31.0	22.0	-90.68	205.9	573.4	376.6	324.1	52.45	7.180		
10,200.0	10,122.0	10,180.4	10,122.0	31.1	22.1	-90.68	205.9	573.4	376.6	324.1	52.54	7.168		
10,300.0	10,222.0	10,280.4	10,222.0	31.1	22.2	-90.68	205.9	573.4	376.6	324.0	52.62	7.156		
10,400.0	10,322.0	10,380.4	10,322.0	31.1	22.2	-90.68	205.9	573.4	376.6	323.9	52.71	7.145		
10,500.0	10,422.0	10,480.4	10,422.0	31.2	22.3	-90.68	205.9	573.4	376.6	323.8	52.80	7.133		
10,600.0	10,522.0	10,580.4	10,522.0	31.2	22.3	-90.68	205.9	573.4	376.6	323.7	52.88	7.121		
10,700.0	10,622.0	10,680.4	10,622.0	31.2	22.4	-90.68	205.9	573.4	376.6	323.6	52.97	7.110		
10,800.0	10,722.0	10,780.4	10,722.0	31.3	22.4	-90.68	205.9	573.4	376.6	323.5	53.06	7.098		
10,900.0	10,822.0	10,880.4	10,822.0	31.3	22.5	-90.68	205.9	573.4	376.6	323.4	53.14	7.086		
11,000.0	10,922.0	10,980.4	10,922.0	31.3	22.5	-90.68	205.9	573.4	376.6	323.4	53.23	7.075		
11,100.0	11,022.0	11,080.4	11,022.0	31.4	22.6	-90.68	205.9	573.4	376.6	323.3	53.32	7.063		
11,200.0	11,122.0	11,180.4	11,122.0	31.4	22.7	-90.68	205.9	573.4	376.6	323.2	53.41	7.051		
11,300.0	11,222.0	11,280.4	11,222.0	31.5	22.7	-90.68	205.9	573.4	376.6	323.1	53.50	7.040		
11,400.0	11,322.0	11,380.4	11,322.0	31.5	22.8	-90.68	205.9	573.4	376.6	323.0	53.58	7.028		
11,500.0	11,422.0	11,480.4	11,422.0	31.5	22.8	-90.68	205.9	573.4	376.6	322.9	53.67	7.016		
11,600.0	11,522.0	11,580.4	11,522.0	31.6	22.9	-90.68	205.9	573.4	376.6	322.8	53.76	7.004		
11,700.0	11,622.0	11,680.4	11,622.0	31.6	22.9	-90.68	205.9	573.4	376.6	322.7	53.85	6.993		
11,784.5	11,706.5	11,764.9	11,706.5	31.6	23.0	-90.68	205.9	573.4	376.6	322.7	53.93	6.983		
11,800.0	11,722.0	11,780.4	11,722.0	31.6	23.0	94.65	205.9	573.4	376.6	322.7	53.93	6.983		
11,825.0	11,747.0	11,805.4	11,747.0	31.6	23.0	94.86	205.9	573.4	376.7	322.8	53.92	6.987		
11,850.0	11,771.8	11,830.2	11,771.8	31.6	23.0	95.25	205.9	573.4	377.0	323.1	53.87	6.998		
11,875.0	11,796.5	11,854.9	11,796.5	31.6	23.0	95.81	205.9	573.4	377.4	323.6	53.80	7.014		
11,900.0	11,820.9	11,879.3	11,820.9	31.6	23.1	96.53	205.9	573.4	378.0	324.3	53.70	7.039		
11,925.0	11,845.0	11,903.4	11,845.0	31.6	23.1	97.39	205.9	573.4	378.8	325.2	53.56	7.073		
11,950.0	11,868.7	11,927.1	11,868.7	31.5	23.1	98.37	205.9	573.4	379.9	326.6	53.38	7.117		
11,975.0	11,892.0	11,950.6	11,892.2	31.5	23.1	99.46	205.9	573.4	381.4	328.3	53.17	7.174		
12,000.0	11,914.8	11,975.8	11,917.4	31.5	23.1	100.67	205.1	573.4	383.3	330.4	52.96	7.238		
12,025.0	11,937.0	12,001.6	11,943.1	31.5	23.0	101.85	202.9	573.5	385.5	332.8	52.76	7.307		
12,050.0	11,958.5	12,028.0	11,969.2	31.5	23.0	103.00	199.2	573.5	388.1	335.5	52.59	7.379		
12,075.0	11,979.4	12,055.0	11,995.7	31.5	23.0	104.12	193.9	573.5	390.9	338.4	52.44	7.454		
12,100.0	11,999.6	12,082.7	12,022.5	31.5	22.9	105.21	187.0	573.6	393.9	341.6	52.32	7.530		
12,125.0	12,018.9	12,111.1	12,049.6	31.5	22.9	106.26	178.3	573.6	397.3	345.0	52.24	7.604		
12,150.0	12,037.4	12,140.3	12,076.8	31.4	22.9	107.27	167.7	573.7	400.8	348.6	52.21	7.677		
12,175.0	12,054.9	12,170.3	12,103.9	31.4	22.8	108.23	155.0	573.8	404.6	352.3	52.24	7.744		
12,200.0	12,071.5	12,201.1	12,131.0	31.4	22.8	109.15	140.3	573.9	408.5	356.1	52.32	7.806		
12,225.0	12,087.1	12,232.7	12,157.8	31.4	22.7	110.00	123.4	574.0	412.5	360.0	52.47	7.861		
12,250.0	12,101.7	12,265.3	12,184.0	31.4	22.7	110.80	104.3	574.1	416.5	363.9	52.68	7.907		
12,275.0	12,115.2	12,298.7	12,209.6	31.4	22.7	111.53	82.7	574.2	420.7	367.7	52.96	7.943		
12,300.0	12,127.5	12,333.0	12,234.2	31.4	22.6	112.19	58.8	574.4	424.8	371.5	53.31	7.969		
12,325.0	12,138.7	12,368.2	12,257.6	31.5	22.6	112.77	32.5	574.6	428.9	375.1	53.71	7.984		
12,350.0	12,148.8	12,404.3	12,279.5	31.5	22.6	113.26	3.8	574.7	432.8	378.7	54.17	7.991		
12,375.0	12,157.6	12,441.3	12,299.7	31.5	22.6	113.66	-27.1	574.9	436.7	382.0	54.66	7.989		
12,400.0	12,165.2	12,479.0	12,317.7	31.5	22.6	113.97	-60.3	575.2	440.4	385.2	55.19	7.979		
12,425.0	12,171.5	12,517.5	12,333.3	31.5	22.6	114.17	-95.4	575.4	443.8	388.1	55.73	7.964		
12,450.0	12,176.5	12,556.5	12,346.2	31.5	22.6	114.27	-132.3	575.6	447.1	390.8	56.28	7.945		
12,475.0	12,180.3	12,596.1	12,356.2	31.6	22.6	114.25	-170.6	575.9	450.1	393.3	56.80	7.923		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Depth (usft)	Measured Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,500.0	12,182.7	12,636.2	12,363.0	31.6	22.6	114.12	-210.0	576.1	452.7	395.4	57.29	7.902	
12,525.0	12,183.9	12,676.4	12,366.5	31.6	22.7	113.87	-250.1	576.4	455.1	397.4	57.74	7.882	
12,534.5	12,184.0	12,691.7	12,366.9	31.6	22.7	113.75	-265.4	576.5	455.9	398.0	57.90	7.875	
12,600.0	12,184.0	12,759.4	12,367.0	31.7	22.8	113.46	-333.1	576.9	460.4	402.1	58.34	7.892	
12,700.0	12,184.0	12,859.3	12,367.0	31.9	23.0	113.20	-433.0	577.6	464.6	405.6	59.02	7.872	
12,781.0	12,184.0	12,940.3	12,367.0	32.0	23.2	113.14	-513.9	578.1	465.7	406.0	59.62	7.810	
12,800.0	12,184.0	12,959.3	12,367.0	32.1	23.2	113.14	-532.9	578.2	465.7	405.9	59.76	7.792	
12,900.0	12,184.0	13,059.3	12,367.0	32.3	23.5	113.14	-632.9	578.9	465.7	405.1	60.56	7.689	
13,000.0	12,184.0	13,159.3	12,367.0	32.5	23.8	113.14	-732.9	579.5	465.7	404.3	61.40	7.584	
13,100.0	12,184.0	13,259.3	12,367.0	32.8	24.1	113.14	-832.9	580.2	465.7	403.4	62.29	7.476	
13,200.0	12,184.0	13,359.3	12,367.0	33.1	24.5	113.14	-932.9	580.8	465.7	402.4	63.22	7.366	
13,300.0	12,184.0	13,459.3	12,367.0	33.4	24.9	113.14	-1,032.9	581.5	465.6	401.5	64.18	7.255	
13,400.0	12,184.0	13,559.3	12,367.0	33.8	25.3	113.14	-1,132.9	582.1	465.6	400.5	65.19	7.143	
13,500.0	12,184.0	13,659.3	12,367.0	34.1	25.8	113.14	-1,232.9	582.8	465.6	399.4	66.24	7.030	
13,600.0	12,184.0	13,759.3	12,367.0	34.5	26.3	113.14	-1,332.9	583.4	465.6	398.3	67.31	6.917	
13,700.0	12,184.0	13,859.3	12,367.0	34.9	26.8	113.14	-1,432.9	584.1	465.6	397.2	68.43	6.805	
13,800.0	12,184.0	13,959.3	12,367.0	35.3	27.3	113.14	-1,532.9	584.7	465.6	396.1	69.57	6.693	
13,900.0	12,184.0	14,059.3	12,367.0	35.8	27.9	113.14	-1,632.9	585.4	465.6	394.9	70.74	6.582	
14,000.0	12,184.0	14,159.3	12,367.0	36.3	28.4	113.14	-1,732.9	586.0	465.6	393.7	71.95	6.472	
14,100.0	12,184.0	14,259.3	12,367.0	36.7	29.0	113.14	-1,832.9	586.7	465.6	392.5	73.18	6.363	
14,200.0	12,184.0	14,359.3	12,367.0	37.2	29.6	113.14	-1,932.9	587.3	465.6	391.2	74.43	6.256	
14,300.0	12,184.0	14,459.3	12,367.0	37.8	30.3	113.14	-2,032.9	588.0	465.6	389.9	75.71	6.150	
14,400.0	12,184.0	14,559.3	12,367.0	38.3	30.9	113.14	-2,132.9	588.6	465.6	388.6	77.02	6.046	
14,500.0	12,184.0	14,659.3	12,367.0	38.9	31.6	113.14	-2,232.9	589.3	465.6	387.3	78.34	5.943	
14,600.0	12,184.0	14,759.3	12,367.0	39.4	32.3	113.14	-2,332.9	589.9	465.6	385.9	79.69	5.843	
14,700.0	12,184.0	14,859.3	12,367.0	40.0	33.0	113.14	-2,432.9	590.6	465.6	384.6	81.06	5.744	
14,800.0	12,184.0	14,959.3	12,367.0	40.6	33.7	113.14	-2,532.9	591.2	465.6	383.2	82.44	5.648	
14,900.0	12,184.0	15,059.3	12,367.0	41.2	34.4	113.14	-2,632.9	591.8	465.6	381.8	83.85	5.553	
15,000.0	12,184.0	15,159.3	12,367.0	41.9	35.1	113.14	-2,732.9	592.5	465.6	380.3	85.27	5.460	
15,100.0	12,184.0	15,259.3	12,367.0	42.5	35.9	113.14	-2,832.9	593.1	465.6	378.9	86.71	5.370	
15,200.0	12,184.0	15,359.3	12,367.0	43.1	36.6	113.14	-2,932.9	593.8	465.6	377.4	88.16	5.281	
15,300.0	12,184.0	15,459.3	12,367.0	43.8	37.4	113.14	-3,032.9	594.4	465.6	376.0	89.63	5.195	
15,400.0	12,184.0	15,559.3	12,367.0	44.5	38.1	113.14	-3,132.9	595.1	465.6	374.5	91.11	5.110	
15,500.0	12,184.0	15,659.3	12,367.0	45.2	38.9	113.14	-3,232.9	595.7	465.6	373.0	92.61	5.028	
15,600.0	12,184.0	15,759.3	12,367.0	45.8	39.7	113.14	-3,332.9	596.4	465.6	371.5	94.11	4.947	
15,700.0	12,184.0	15,859.3	12,367.0	46.5	40.5	113.14	-3,432.9	597.0	465.6	370.0	95.63	4.868	
15,800.0	12,184.0	15,959.3	12,367.0	47.3	41.3	113.14	-3,532.9	597.7	465.6	368.4	97.17	4.792	
15,900.0	12,184.0	16,059.3	12,367.0	48.0	42.1	113.14	-3,632.9	598.3	465.6	366.9	98.71	4.717	
16,000.0	12,184.0	16,159.3	12,367.0	48.7	42.9	113.14	-3,732.9	599.0	465.6	365.3	100.26	4.644	
16,100.0	12,184.0	16,259.3	12,367.0	49.4	43.8	113.15	-3,832.9	599.6	465.6	363.8	101.83	4.572	
16,200.0	12,184.0	16,359.3	12,367.0	50.2	44.6	113.15	-3,932.9	600.3	465.6	362.2	103.40	4.503	
16,300.0	12,184.0	16,459.3	12,367.0	50.9	45.4	113.15	-4,032.9	600.9	465.6	360.6	104.98	4.435	
16,400.0	12,184.0	16,559.3	12,367.0	51.7	46.3	113.15	-4,132.9	601.6	465.6	359.0	106.57	4.369	
16,500.0	12,184.0	16,659.3	12,367.0	52.5	47.1	113.15	-4,232.9	602.2	465.6	357.4	108.17	4.304	
16,600.0	12,184.0	16,759.3	12,367.0	53.2	48.0	113.15	-4,332.9	602.9	465.6	355.8	109.78	4.241	
16,700.0	12,184.0	16,859.3	12,367.0	54.0	48.8	113.15	-4,432.9	603.5	465.6	354.2	111.39	4.179	
16,800.0	12,184.0	16,959.3	12,367.0	54.8	49.7	113.15	-4,532.9	604.2	465.6	352.5	113.02	4.119	
16,900.0	12,184.0	17,059.3	12,367.0	55.6	50.5	113.15	-4,632.9	604.8	465.6	350.9	114.65	4.061	
17,000.0	12,184.0	17,159.3	12,367.0	56.4	51.4	113.15	-4,732.9	605.5	465.6	349.3	116.28	4.004	
17,100.0	12,184.0	17,259.3	12,367.0	57.2	52.3	113.15	-4,832.9	606.1	465.6	347.6	117.92	3.948	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
17,200.0	12,184.0	17,359.3	12,367.0	58.0	53.1	113.15	-4,932.9	606.8	465.6	346.0	119.57	3.893	
17,300.0	12,184.0	17,459.3	12,367.0	58.8	54.0	113.15	-5,032.9	607.4	465.5	344.3	121.23	3.840	
17,400.0	12,184.0	17,559.3	12,367.0	59.6	54.9	113.15	-5,132.9	608.1	465.5	342.7	122.89	3.788	
17,500.0	12,184.0	17,659.3	12,367.0	60.4	55.8	113.15	-5,232.8	608.7	465.5	341.0	124.55	3.738	
17,600.0	12,184.0	17,759.3	12,367.0	61.2	56.6	113.15	-5,332.8	609.4	465.5	339.3	126.22	3.688	
17,700.0	12,184.0	17,859.3	12,367.0	62.1	57.5	113.15	-5,432.8	610.0	465.5	337.6	127.90	3.640	
17,800.0	12,184.0	17,959.3	12,367.0	62.9	58.4	113.15	-5,532.8	610.7	465.5	336.0	129.58	3.593	
17,900.0	12,184.0	18,059.3	12,367.0	63.7	59.3	113.15	-5,632.8	611.3	465.5	334.3	131.26	3.547	
18,000.0	12,184.0	18,159.3	12,367.0	64.6	60.2	113.15	-5,732.8	612.0	465.5	332.6	132.95	3.501	
18,100.0	12,184.0	18,259.3	12,367.0	65.4	61.1	113.15	-5,832.8	612.6	465.5	330.9	134.65	3.457	
18,200.0	12,184.0	18,359.3	12,367.0	66.2	62.0	113.15	-5,932.8	613.3	465.5	329.2	136.35	3.414	
18,300.0	12,184.0	18,459.3	12,367.0	67.1	62.9	113.15	-6,032.8	613.9	465.5	327.5	138.05	3.372	
18,400.0	12,184.0	18,559.3	12,367.0	67.9	63.8	113.15	-6,132.8	614.6	465.5	325.8	139.75	3.331	
18,500.0	12,184.0	18,659.3	12,367.0	68.8	64.7	113.15	-6,232.8	615.2	465.5	324.1	141.46	3.291	
18,600.0	12,184.0	18,759.3	12,367.0	69.7	65.6	113.15	-6,332.8	615.8	465.5	322.3	143.18	3.251	
18,700.0	12,184.0	18,859.3	12,367.0	70.5	66.5	113.15	-6,432.8	616.5	465.5	320.6	144.89	3.213	
18,800.0	12,184.0	18,959.3	12,367.0	71.4	67.4	113.15	-6,532.8	617.1	465.5	318.9	146.61	3.175	
18,900.0	12,184.0	19,059.3	12,367.0	72.2	68.3	113.15	-6,632.8	617.8	465.5	317.2	148.33	3.138	
19,000.0	12,184.0	19,159.3	12,367.0	73.1	69.2	113.15	-6,732.8	618.4	465.5	315.4	150.06	3.102	
19,100.0	12,184.0	19,259.3	12,367.0	74.0	70.1	113.15	-6,832.8	619.1	465.5	313.7	151.79	3.067	
19,200.0	12,184.0	19,359.3	12,367.0	74.8	71.1	113.15	-6,932.8	619.7	465.5	312.0	153.52	3.032	
19,300.0	12,184.0	19,459.3	12,367.0	75.7	72.0	113.15	-7,032.8	620.4	465.5	310.2	155.26	2.998 Normal Operations	
19,400.0	12,184.0	19,559.3	12,367.0	76.6	72.9	113.15	-7,132.8	621.0	465.5	308.5	156.99	2.965 Normal Operations	
19,482.5	12,184.0	19,641.8	12,367.0	77.3	73.6	113.15	-7,215.3	621.6	465.5	307.1	158.43	2.938 Normal Operations	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
6,300.0	6,230.9	6,628.0	6,473.9	25.4	28.5	16.76	126.9	1,756.7	969.1	916.9	52.15	18.582		
6,400.0	6,329.5	6,719.6	6,562.4	25.8	29.0	16.75	133.0	1,734.0	928.9	875.9	53.00	17.527		
6,500.0	6,428.1	6,811.2	6,651.0	26.3	29.4	16.73	139.1	1,711.4	888.7	834.9	53.85	16.504		
6,600.0	6,526.8	6,902.7	6,739.5	26.7	29.9	16.71	145.2	1,688.8	848.5	793.8	54.70	15.513		
6,622.7	6,549.2	6,923.5	6,759.6	26.8	30.0	16.71	146.5	1,683.7	839.4	784.5	54.89	15.294		
6,700.0	6,625.5	6,994.5	6,828.2	27.1	30.3	16.59	151.2	1,666.1	808.8	753.3	55.54	14.563		
6,800.0	6,724.4	7,086.9	6,917.5	27.6	30.8	16.40	157.4	1,643.3	770.6	714.2	56.38	13.666		
6,900.0	6,823.6	7,179.9	7,007.5	28.0	31.2	16.16	163.6	1,620.4	733.9	676.7	57.23	12.823		
7,000.0	6,923.0	7,266.6	7,091.3	28.4	31.6	15.90	169.2	1,599.2	699.1	641.0	58.11	12.030		
7,100.0	7,022.6	7,351.4	7,173.7	28.8	32.1	15.63	174.5	1,579.7	667.2	608.2	59.00	11.309		
7,200.0	7,122.3	7,437.5	7,257.6	29.2	32.5	15.33	179.5	1,561.0	638.4	578.5	59.87	10.662		
7,300.0	7,222.1	7,524.8	7,342.9	29.5	32.9	15.01	184.2	1,543.4	612.5	551.8	60.71	10.088		
7,400.0	7,322.1	7,613.1	7,429.5	29.8	33.3	14.67	188.7	1,526.8	589.8	528.3	61.52	9.586		
7,500.0	7,422.0	7,700.0	7,515.1	30.1	33.7	14.31	192.7	1,511.8	570.2	507.9	62.29	9.154		
7,578.0	7,500.0	7,772.4	7,586.4	30.2	34.0	91.52	195.8	1,500.2	557.1	494.4	62.77	8.876		
7,600.0	7,522.0	7,792.2	7,606.1	30.2	34.1	91.44	196.7	1,497.2	553.7	490.9	62.88	8.807		
7,700.0	7,622.0	7,882.7	7,695.6	30.3	34.5	91.10	200.1	1,484.2	539.3	475.9	63.38	8.509		
7,800.0	7,722.0	7,973.7	7,785.7	30.3	34.9	90.78	203.3	1,472.6	526.5	462.6	63.86	8.244		
7,900.0	7,822.0	8,064.9	7,876.3	30.3	35.3	90.49	206.0	1,462.3	515.2	450.8	64.32	8.010		
8,000.0	7,922.0	8,156.5	7,967.5	30.4	35.6	90.22	208.4	1,453.3	505.4	440.7	64.74	7.806		
8,100.0	8,022.0	8,248.4	8,059.0	30.4	36.0	89.99	210.5	1,445.8	497.2	432.0	65.14	7.633		
8,200.0	8,122.0	8,340.5	8,150.9	30.4	36.3	89.80	212.1	1,439.7	490.5	425.0	65.50	7.489		
8,300.0	8,222.0	8,432.8	8,243.0	30.4	36.6	89.65	213.4	1,435.0	485.4	419.6	65.83	7.374		
8,400.0	8,322.0	8,525.2	8,335.4	30.5	36.9	89.54	214.3	1,431.7	481.9	415.8	66.12	7.288		
8,500.0	8,422.0	8,617.7	8,427.8	30.5	37.2	89.48	214.7	1,429.8	479.9	413.5	66.34	7.233		
8,600.0	8,522.0	8,711.9	8,522.0	30.5	37.3	89.47	214.9	1,429.4	479.4	413.0	66.43	7.216		
8,700.0	8,622.0	8,811.9	8,622.0	30.6	37.3	89.47	214.9	1,429.4	479.4	412.9	66.50	7.209		
8,800.0	8,722.0	8,911.9	8,722.0	30.6	37.3	89.47	214.9	1,429.4	479.4	412.9	66.56	7.203		
8,900.0	8,822.0	9,011.9	8,822.0	30.6	37.4	89.47	214.9	1,429.4	479.4	412.8	66.61	7.197		
9,000.0	8,922.0	9,111.9	8,922.0	30.7	37.4	89.47	214.9	1,429.4	479.4	412.7	66.67	7.191		
9,100.0	9,022.0	9,211.9	9,022.0	30.7	37.4	89.47	214.9	1,429.4	479.4	412.7	66.73	7.185		
9,200.0	9,122.0	9,311.9	9,122.0	30.7	37.4	89.47	214.9	1,429.4	479.4	412.6	66.78	7.179		
9,300.0	9,222.0	9,411.9	9,222.0	30.8	37.5	89.47	214.9	1,429.4	479.4	412.6	66.84	7.173		
9,400.0	9,322.0	9,511.9	9,322.0	30.8	37.5	89.47	214.9	1,429.4	479.4	412.5	66.90	7.166		
9,500.0	9,422.0	9,611.9	9,422.0	30.8	37.5	89.47	214.9	1,429.4	479.4	412.5	66.95	7.160		
9,600.0	9,522.0	9,711.9	9,522.0	30.9	37.5	89.47	214.9	1,429.4	479.4	412.4	67.01	7.154		
9,700.0	9,622.0	9,811.9	9,622.0	30.9	37.6	89.47	214.9	1,429.4	479.4	412.3	67.07	7.148		
9,800.0	9,722.0	9,911.9	9,722.0	30.9	37.6	89.47	214.9	1,429.4	479.4	412.3	67.13	7.142		
9,900.0	9,822.0	10,011.9	9,822.0	31.0	37.6	89.47	214.9	1,429.4	479.4	412.2	67.19	7.135		
10,000.0	9,922.0	10,111.9	9,922.0	31.0	37.6	89.47	214.9	1,429.4	479.4	412.2	67.25	7.129		
10,100.0	10,022.0	10,211.9	10,022.0	31.0	37.7	89.47	214.9	1,429.4	479.4	412.1	67.31	7.123		
10,200.0	10,122.0	10,311.9	10,122.0	31.1	37.7	89.47	214.9	1,429.4	479.4	412.0	67.37	7.116		
10,300.0	10,222.0	10,411.9	10,222.0	31.1	37.7	89.47	214.9	1,429.4	479.4	412.0	67.43	7.110		
10,400.0	10,322.0	10,511.9	10,322.0	31.1	37.8	89.47	214.9	1,429.4	479.4	411.9	67.49	7.104		
10,500.0	10,422.0	10,611.9	10,422.0	31.2	37.8	89.47	214.9	1,429.4	479.4	411.9	67.55	7.097		
10,600.0	10,522.0	10,711.9	10,522.0	31.2	37.8	89.47	214.9	1,429.4	479.4	411.8	67.61	7.091		
10,700.0	10,622.0	10,811.9	10,622.0	31.2	37.8	89.47	214.9	1,429.4	479.4	411.7	67.67	7.084		
10,800.0	10,722.0	10,911.9	10,722.0	31.3	37.9	89.47	214.9	1,429.4	479.4	411.7	67.73	7.078		
10,900.0	10,822.0	11,011.9	10,822.0	31.3	37.9	89.47	214.9	1,429.4	479.4	411.6	67.80	7.071		
11,000.0	10,922.0	11,111.9	10,922.0	31.3	37.9	89.47	214.9	1,429.4	479.4	411.6	67.86	7.065		
11,100.0	11,022.0	11,211.9	11,022.0	31.4	37.9	89.47	214.9	1,429.4	479.4	411.5	67.92	7.058		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 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)	No-Go Distance (usft)	Separation Factor	Warning
11,200.0	11,122.0	11,311.9	11,122.0	31.4	38.0	89.47	214.9	1,429.4	479.4	411.4	67.99	7.052	
11,300.0	11,222.0	11,411.9	11,222.0	31.5	38.0	89.47	214.9	1,429.4	479.4	411.4	68.05	7.045	
11,400.0	11,322.0	11,511.9	11,322.0	31.5	38.0	89.47	214.9	1,429.4	479.4	411.3	68.11	7.038	
11,500.0	11,422.0	11,611.9	11,422.0	31.5	38.1	89.47	214.9	1,429.4	479.4	411.2	68.18	7.032	
11,600.0	11,522.0	11,711.9	11,522.0	31.6	38.1	89.47	214.9	1,429.4	479.4	411.2	68.24	7.025	
11,700.0	11,622.0	11,811.9	11,622.0	31.6	38.1	89.47	214.9	1,429.4	479.4	411.1	68.31	7.018	
11,784.5	11,706.5	11,896.3	11,706.5	31.6	38.1	89.47	214.9	1,429.4	479.4	411.1	68.36	7.013	
11,800.0	11,722.0	11,911.9	11,722.0	31.6	38.1	-85.27	214.9	1,429.4	479.4	411.0	68.36	7.012	
11,825.0	11,747.0	11,936.8	11,747.0	31.6	38.2	-85.45	214.9	1,429.4	479.3	410.9	68.37	7.010	
11,850.0	11,771.8	11,961.7	11,771.8	31.6	38.2	-85.81	214.9	1,429.4	479.1	410.7	68.37	7.007	
11,875.0	11,796.5	11,986.3	11,796.5	31.6	38.2	-86.32	214.9	1,429.4	478.8	410.4	68.35	7.004	
11,900.0	11,820.9	12,010.8	11,820.9	31.6	38.2	-86.98	214.9	1,429.4	478.5	410.1	68.33	7.003	
11,925.0	11,845.0	12,034.9	11,845.0	31.6	38.2	-87.79	214.9	1,429.4	478.1	409.9	68.28	7.003	
11,950.0	11,868.7	12,058.6	11,868.7	31.5	38.2	-88.71	214.9	1,429.4	477.9	409.7	68.21	7.006	
11,975.0	11,892.0	12,082.1	11,892.2	31.5	38.2	-89.75	214.9	1,429.4	477.8	409.6	68.11	7.015	
11,991.5	11,907.1	12,098.8	11,909.0	31.5	38.2	-90.52	214.5	1,429.4	477.7	409.7	68.04	7.022	
12,000.0	11,914.8	12,107.5	11,917.6	31.5	38.2	-90.92	214.0	1,429.4	477.7	409.7	68.00	7.025	
12,025.0	11,937.0	12,133.5	11,943.5	31.5	38.2	-92.10	211.8	1,429.4	477.8	409.9	67.89	7.038	
12,050.0	11,958.5	12,160.1	11,969.9	31.5	38.1	-93.30	208.1	1,429.4	478.0	410.2	67.77	7.053	
12,075.0	11,979.4	12,187.4	11,996.6	31.5	38.1	-94.50	202.7	1,429.5	478.2	410.6	67.64	7.070	
12,100.0	11,999.6	12,215.3	12,023.6	31.5	38.1	-95.70	195.6	1,429.5	478.5	411.0	67.52	7.087	
12,125.0	12,018.9	12,244.0	12,050.9	31.5	38.0	-96.92	186.8	1,429.6	478.9	411.5	67.40	7.105	
12,150.0	12,037.4	12,273.5	12,078.3	31.4	38.0	-98.13	175.9	1,429.6	479.3	412.0	67.29	7.123	
12,175.0	12,054.9	12,303.7	12,105.7	31.4	38.0	-99.34	163.1	1,429.7	479.7	412.5	67.19	7.140	
12,200.0	12,071.5	12,334.8	12,133.0	31.4	37.9	-100.54	148.1	1,429.8	480.2	413.1	67.11	7.155	
12,225.0	12,087.1	12,366.8	12,159.9	31.4	37.9	-101.73	130.9	1,429.9	480.7	413.6	67.05	7.168	
12,250.0	12,101.7	12,399.7	12,186.3	31.4	37.9	-102.90	111.4	1,430.1	481.1	414.0	67.02	7.178	
12,275.0	12,115.2	12,433.4	12,212.0	31.4	37.9	-104.06	89.5	1,430.2	481.4	414.4	67.02	7.184	
12,300.0	12,127.5	12,468.1	12,236.7	31.4	37.8	-105.18	65.2	1,430.4	481.7	414.7	67.05	7.184	
12,325.0	12,138.7	12,503.6	12,260.1	31.5	37.8	-106.26	38.5	1,430.5	481.9	414.8	67.12	7.180	
12,350.0	12,148.8	12,540.0	12,281.9	31.5	37.8	-107.30	9.4	1,430.7	481.9	414.7	67.22	7.169	
12,375.0	12,157.6	12,577.2	12,301.9	31.5	37.8	-108.29	-22.0	1,430.9	481.8	414.4	67.35	7.153	
12,400.0	12,165.2	12,615.2	12,319.8	31.5	37.8	-109.21	-55.6	1,431.1	481.4	413.9	67.52	7.130	
12,425.0	12,171.5	12,653.9	12,335.1	31.5	37.8	-110.06	-91.1	1,431.4	480.8	413.1	67.71	7.101	
12,450.0	12,176.5	12,693.2	12,347.7	31.5	37.8	-110.83	-128.3	1,431.6	480.0	412.1	67.92	7.066	
12,475.0	12,180.3	12,733.0	12,357.3	31.6	37.8	-111.51	-166.9	1,431.9	478.9	410.7	68.15	7.027	
12,500.0	12,182.7	12,773.1	12,363.7	31.6	37.8	-112.10	-206.4	1,432.1	477.5	409.1	68.37	6.983	
12,525.0	12,183.9	12,813.4	12,366.7	31.6	37.8	-112.58	-246.6	1,432.4	475.8	407.2	68.59	6.936	
12,534.5	12,184.0	12,828.7	12,367.0	31.6	37.8	-112.73	-261.9	1,432.5	475.1	406.4	68.67	6.918	
12,600.0	12,184.0	12,894.3	12,367.0	31.7	37.9	-112.93	-327.5	1,432.9	470.5	401.7	68.85	6.835	
12,700.0	12,184.0	12,994.2	12,367.0	31.9	38.0	-113.11	-427.4	1,433.6	466.3	397.2	69.18	6.741	
12,780.9	12,184.0	13,075.1	12,367.0	32.0	38.2	-113.16	-508.3	1,434.1	465.3	395.8	69.48	6.696 CC	
12,781.0	12,184.0	13,075.1	12,367.0	32.0	38.2	-113.16	-508.4	1,434.1	465.3	395.8	69.48	6.696	
12,800.0	12,184.0	13,094.2	12,367.0	32.1	38.2	-113.16	-527.4	1,434.2	465.3	395.7	69.56	6.689	
12,900.0	12,184.0	13,194.2	12,367.0	32.3	38.4	-113.16	-627.4	1,434.9	465.3	395.3	69.99	6.648	
13,000.0	12,184.0	13,294.2	12,367.0	32.5	38.6	-113.16	-727.4	1,435.5	465.3	394.8	70.46	6.604	
13,100.0	12,184.0	13,394.2	12,367.0	32.8	38.8	-113.16	-827.4	1,436.1	465.3	394.3	70.98	6.555	
13,200.0	12,184.0	13,494.2	12,367.0	33.1	39.0	-113.16	-927.4	1,436.8	465.3	393.8	71.55	6.503	
13,300.0	12,184.0	13,594.2	12,367.0	33.4	39.3	-113.16	-1,027.4	1,437.4	465.3	393.2	72.16	6.449	
13,400.0	12,184.0	13,694.2	12,367.0	33.8	39.6	-113.16	-1,127.4	1,438.1	465.3	392.5	72.81	6.391	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Offset		Highside Toolface (")	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,500.0	12,184.0	13,794.2	12,367.0	34.1	39.9	-113.16	-1,227.4	1,438.7	465.3	391.8	73.50	6.331	
13,600.0	12,184.0	13,894.2	12,367.0	34.5	40.2	-113.16	-1,327.4	1,439.4	465.3	391.1	74.23	6.269	
13,700.0	12,184.0	13,994.2	12,367.0	34.9	40.5	-113.16	-1,427.4	1,440.0	465.3	390.3	75.00	6.204	
13,800.0	12,184.0	14,094.2	12,367.0	35.3	40.9	-113.16	-1,527.4	1,440.7	465.3	389.5	75.81	6.138	
13,900.0	12,184.0	14,194.2	12,367.0	35.8	41.3	-113.16	-1,627.4	1,441.3	465.3	388.7	76.65	6.071	
14,000.0	12,184.0	14,294.2	12,367.0	36.3	41.7	-113.16	-1,727.4	1,442.0	465.3	387.8	77.53	6.002	
14,100.0	12,184.0	14,394.2	12,367.0	36.7	42.1	-113.16	-1,827.4	1,442.6	465.3	386.9	78.44	5.932	
14,200.0	12,184.0	14,494.2	12,367.0	37.2	42.5	-113.16	-1,927.4	1,443.3	465.3	385.9	79.39	5.861	
14,300.0	12,184.0	14,594.2	12,367.0	37.8	43.0	-113.16	-2,027.4	1,443.9	465.3	385.0	80.37	5.790	
14,400.0	12,184.0	14,694.2	12,367.0	38.3	43.4	-113.16	-2,127.4	1,444.6	465.3	384.0	81.37	5.718	
14,500.0	12,184.0	14,794.2	12,367.0	38.9	43.9	-113.16	-2,227.4	1,445.2	465.3	382.9	82.41	5.646	
14,600.0	12,184.0	14,894.2	12,367.0	39.4	44.4	-113.16	-2,327.4	1,445.9	465.3	381.9	83.48	5.574	
14,700.0	12,184.0	14,994.2	12,367.0	40.0	44.9	-113.16	-2,427.4	1,446.5	465.3	380.8	84.57	5.502	
14,800.0	12,184.0	15,094.2	12,367.0	40.6	45.5	-113.16	-2,527.4	1,447.2	465.3	379.7	85.69	5.431	
14,900.0	12,184.0	15,194.2	12,367.0	41.2	46.0	-113.16	-2,627.4	1,447.8	465.3	378.5	86.83	5.359	
15,000.0	12,184.0	15,294.2	12,367.0	41.9	46.6	-113.16	-2,727.4	1,448.5	465.3	377.3	88.00	5.288	
15,100.0	12,184.0	15,394.2	12,367.0	42.5	47.1	-113.16	-2,827.3	1,449.1	465.4	376.2	89.19	5.217	
15,200.0	12,184.0	15,494.2	12,367.0	43.1	47.7	-113.16	-2,927.3	1,449.8	465.4	374.9	90.41	5.147	
15,300.0	12,184.0	15,594.2	12,367.0	43.8	48.3	-113.16	-3,027.3	1,450.4	465.4	373.7	91.64	5.078	
15,400.0	12,184.0	15,694.2	12,367.0	44.5	48.9	-113.16	-3,127.3	1,451.1	465.4	372.5	92.90	5.009	
15,500.0	12,184.0	15,794.2	12,367.0	45.2	49.5	-113.16	-3,227.3	1,451.7	465.4	371.2	94.17	4.941	
15,600.0	12,184.0	15,894.2	12,367.0	45.8	50.1	-113.16	-3,327.3	1,452.4	465.4	369.9	95.47	4.875	
15,700.0	12,184.0	15,994.2	12,367.0	46.5	50.8	-113.16	-3,427.3	1,453.0	465.4	368.6	96.78	4.808	
15,800.0	12,184.0	16,094.2	12,367.0	47.3	51.4	-113.16	-3,527.3	1,453.7	465.4	367.3	98.11	4.743	
15,900.0	12,184.0	16,194.2	12,367.0	48.0	52.1	-113.16	-3,627.3	1,454.3	465.4	365.9	99.46	4.679	
16,000.0	12,184.0	16,294.2	12,367.0	48.7	52.7	-113.16	-3,727.3	1,455.0	465.4	364.6	100.82	4.616	
16,100.0	12,184.0	16,394.2	12,367.0	49.4	53.4	-113.16	-3,827.3	1,455.6	465.4	363.2	102.20	4.554	
16,200.0	12,184.0	16,494.2	12,367.0	50.2	54.1	-113.16	-3,927.3	1,456.3	465.4	361.8	103.59	4.492	
16,300.0	12,184.0	16,594.2	12,367.0	50.9	54.8	-113.16	-4,027.3	1,456.9	465.4	360.4	105.00	4.432	
16,400.0	12,184.0	16,694.2	12,367.0	51.7	55.5	-113.16	-4,127.3	1,457.5	465.4	359.0	106.42	4.373	
16,500.0	12,184.0	16,794.2	12,367.0	52.5	56.2	-113.16	-4,227.3	1,458.2	465.4	357.5	107.85	4.315	
16,600.0	12,184.0	16,894.2	12,367.0	53.2	56.9	-113.16	-4,327.3	1,458.8	465.4	356.1	109.30	4.258	
16,700.0	12,184.0	16,994.2	12,367.0	54.0	57.6	-113.15	-4,427.3	1,459.5	465.4	354.6	110.76	4.202	
16,800.0	12,184.0	17,094.2	12,367.0	54.8	58.4	-113.15	-4,527.3	1,460.1	465.4	353.2	112.23	4.147	
16,900.0	12,184.0	17,194.2	12,367.0	55.6	59.1	-113.15	-4,627.3	1,460.8	465.4	351.7	113.71	4.093	
17,000.0	12,184.0	17,294.2	12,367.0	56.4	59.8	-113.15	-4,727.3	1,461.4	465.4	350.2	115.20	4.040	
17,100.0	12,184.0	17,394.2	12,367.0	57.2	60.6	-113.15	-4,827.3	1,462.1	465.4	348.7	116.70	3.988	
17,200.0	12,184.0	17,494.2	12,367.0	58.0	61.3	-113.15	-4,927.3	1,462.7	465.4	347.2	118.21	3.937	
17,300.0	12,184.0	17,594.2	12,367.0	58.8	62.1	-113.15	-5,027.3	1,463.4	465.4	345.7	119.73	3.887	
17,400.0	12,184.0	17,694.2	12,367.0	59.6	62.9	-113.15	-5,127.3	1,464.0	465.4	344.1	121.26	3.838	
17,500.0	12,184.0	17,794.2	12,367.0	60.4	63.6	-113.15	-5,227.3	1,464.7	465.4	342.6	122.80	3.790	
17,600.0	12,184.0	17,894.2	12,367.0	61.2	64.4	-113.15	-5,327.3	1,465.3	465.4	341.1	124.35	3.743	
17,700.0	12,184.0	17,994.2	12,367.0	62.1	65.2	-113.15	-5,427.3	1,466.0	465.4	339.5	125.91	3.696	
17,800.0	12,184.0	18,094.2	12,367.0	62.9	66.0	-113.15	-5,527.3	1,466.6	465.4	337.9	127.47	3.651	
17,900.0	12,184.0	18,194.2	12,367.0	63.7	66.8	-113.15	-5,627.3	1,467.3	465.4	336.4	129.04	3.607	
18,000.0	12,184.0	18,294.2	12,367.0	64.6	67.6	-113.15	-5,727.3	1,467.9	465.4	334.8	130.62	3.563	
18,100.0	12,184.0	18,394.2	12,367.0	65.4	68.4	-113.15	-5,827.3	1,468.6	465.4	333.2	132.21	3.520	
18,200.0	12,184.0	18,494.2	12,367.0	66.2	69.2	-113.15	-5,927.3	1,469.2	465.4	331.6	133.80	3.478	
18,300.0	12,184.0	18,594.2	12,367.0	67.1	70.0	-113.15	-6,027.3	1,469.9	465.4	330.0	135.40	3.437	
18,400.0	12,184.0	18,694.2	12,367.0	67.9	70.8	-113.15	-6,127.3	1,470.5	465.4	328.4	137.01	3.397	
18,500.0	12,184.0	18,794.2	12,367.0	68.8	71.6	-113.15	-6,227.3	1,471.2	465.4	326.8	138.62	3.358	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		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)			
18,600.0	12,184.0	18,894.2	12,367.0	69.7	72.4	-113.15	-6,327.3	1,471.8	465.4	325.2	140.24	3.319	
18,700.0	12,184.0	18,994.2	12,367.0	70.5	73.2	-113.15	-6,427.3	1,472.5	465.4	323.6	141.86	3.281	
18,800.0	12,184.0	19,094.2	12,367.0	71.4	74.1	-113.15	-6,527.3	1,473.1	465.4	322.0	143.49	3.244	
18,900.0	12,184.0	19,194.2	12,367.0	72.2	74.9	-113.15	-6,627.3	1,473.8	465.4	320.3	145.12	3.207	
19,000.0	12,184.0	19,294.2	12,367.0	73.1	75.7	-113.15	-6,727.3	1,474.4	465.4	318.7	146.76	3.171	
19,100.0	12,184.0	19,394.2	12,367.0	74.0	76.5	-113.15	-6,827.3	1,475.1	465.4	317.0	148.41	3.136	
19,200.0	12,184.0	19,494.2	12,367.0	74.8	77.4	-113.15	-6,927.3	1,475.7	465.5	315.4	150.06	3.102	
19,300.0	12,184.0	19,594.2	12,367.0	75.7	78.2	-113.15	-7,027.3	1,476.4	465.5	313.7	151.71	3.068	
19,400.0	12,184.0	19,694.2	12,367.0	76.6	79.1	-113.15	-7,127.3	1,477.0	465.5	312.1	153.37	3.035	
19,406.1	12,184.0	19,700.2	12,367.0	76.6	79.1	-113.15	-7,133.3	1,477.0	465.5	312.0	153.47	3.033	
19,482.5	12,184.0	19,776.5	12,367.0	77.3	79.8	-113.15	-7,209.6	1,477.5	465.5	310.7	154.73	3.008 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Distance		No-Go Distance (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)				
6,900.0	6,823.6	7,034.5	6,916.0	28.0	29.5	12.33	208.2	1,885.0	978.6	922.8	55.77	17.545		
7,000.0	6,923.0	7,119.3	7,000.5	28.4	29.9	12.22	211.2	1,877.6	959.2	902.7	56.50	16.976		
7,100.0	7,022.6	7,200.0	7,080.9	28.8	30.2	12.14	213.6	1,871.6	942.9	885.7	57.20	16.485		
7,200.0	7,122.3	7,290.9	7,171.6	29.2	30.5	12.06	215.8	1,866.1	929.6	871.7	57.87	16.064		
7,300.0	7,222.1	7,377.4	7,258.1	29.5	30.8	12.00	217.4	1,862.1	919.4	860.9	58.48	15.721		
7,400.0	7,322.1	7,464.3	7,344.9	29.8	31.1	11.96	218.5	1,859.3	912.3	853.3	59.04	15.451		
7,500.0	7,422.0	7,551.5	7,432.0	30.1	31.3	11.93	219.1	1,857.7	908.3	848.8	59.52	15.261		
7,578.0	7,500.0	7,619.5	7,500.0	30.2	31.4	89.44	219.3	1,857.3	907.4	847.7	59.73	15.191		
7,600.0	7,522.0	7,641.5	7,522.0	30.2	31.4	89.44	219.3	1,857.3	907.4	847.6	59.74	15.189		
7,700.0	7,622.0	7,741.5	7,622.0	30.3	31.5	89.44	219.3	1,857.3	907.4	847.6	59.80	15.173		
7,800.0	7,722.0	7,841.5	7,722.0	30.3	31.5	89.44	219.3	1,857.3	907.4	847.5	59.86	15.158		
7,900.0	7,822.0	7,941.5	7,822.0	30.3	31.5	89.44	219.3	1,857.3	907.4	847.5	59.92	15.143		
8,000.0	7,922.0	8,041.5	7,922.0	30.4	31.6	89.44	219.3	1,857.3	907.4	847.4	59.98	15.128		
8,100.0	8,022.0	8,141.5	8,022.0	30.4	31.6	89.44	219.3	1,857.3	907.4	847.3	60.04	15.112		
8,200.0	8,122.0	8,241.5	8,122.0	30.4	31.6	89.44	219.3	1,857.3	907.4	847.3	60.10	15.097		
8,300.0	8,222.0	8,341.5	8,222.0	30.4	31.6	89.44	219.3	1,857.3	907.4	847.2	60.17	15.081		
8,400.0	8,322.0	8,441.5	8,322.0	30.5	31.7	89.44	219.3	1,857.3	907.4	847.2	60.23	15.066		
8,500.0	8,422.0	8,541.5	8,422.0	30.5	31.7	89.44	219.3	1,857.3	907.4	847.1	60.29	15.050		
8,600.0	8,522.0	8,641.5	8,522.0	30.5	31.7	89.44	219.3	1,857.3	907.4	847.0	60.35	15.035		
8,700.0	8,622.0	8,741.5	8,622.0	30.6	31.8	89.44	219.3	1,857.3	907.4	847.0	60.42	15.019		
8,800.0	8,722.0	8,841.5	8,722.0	30.6	31.8	89.44	219.3	1,857.3	907.4	846.9	60.48	15.003		
8,900.0	8,822.0	8,941.5	8,822.0	30.6	31.8	89.44	219.3	1,857.3	907.4	846.8	60.54	14.987		
9,000.0	8,922.0	9,041.5	8,922.0	30.7	31.9	89.44	219.3	1,857.3	907.4	846.8	60.61	14.972		
9,100.0	9,022.0	9,141.5	9,022.0	30.7	31.9	89.44	219.3	1,857.3	907.4	846.7	60.67	14.956		
9,200.0	9,122.0	9,241.5	9,122.0	30.7	31.9	89.44	219.3	1,857.3	907.4	846.7	60.74	14.940		
9,300.0	9,222.0	9,341.5	9,222.0	30.8	32.0	89.44	219.3	1,857.3	907.4	846.6	60.80	14.924		
9,400.0	9,322.0	9,441.5	9,322.0	30.8	32.0	89.44	219.3	1,857.3	907.4	846.5	60.87	14.908		
9,500.0	9,422.0	9,541.5	9,422.0	30.8	32.0	89.44	219.3	1,857.3	907.4	846.5	60.93	14.891		
9,600.0	9,522.0	9,641.5	9,522.0	30.9	32.1	89.44	219.3	1,857.3	907.4	846.4	61.00	14.875		
9,700.0	9,622.0	9,741.5	9,622.0	30.9	32.1	89.44	219.3	1,857.3	907.4	846.3	61.07	14.859		
9,800.0	9,722.0	9,841.5	9,722.0	30.9	32.1	89.44	219.3	1,857.3	907.4	846.3	61.13	14.843		
9,900.0	9,822.0	9,941.5	9,822.0	31.0	32.2	89.44	219.3	1,857.3	907.4	846.2	61.20	14.826		
10,000.0	9,922.0	10,041.5	9,922.0	31.0	32.2	89.44	219.3	1,857.3	907.4	846.1	61.27	14.810		
10,100.0	10,022.0	10,141.5	10,022.0	31.0	32.2	89.44	219.3	1,857.3	907.4	846.1	61.34	14.794		
10,200.0	10,122.0	10,241.5	10,122.0	31.1	32.3	89.44	219.3	1,857.3	907.4	846.0	61.40	14.777		
10,300.0	10,222.0	10,341.5	10,222.0	31.1	32.3	89.44	219.3	1,857.3	907.4	845.9	61.47	14.761		
10,400.0	10,322.0	10,441.5	10,322.0	31.1	32.3	89.44	219.3	1,857.3	907.4	845.8	61.54	14.744		
10,500.0	10,422.0	10,541.5	10,422.0	31.2	32.4	89.44	219.3	1,857.3	907.4	845.8	61.61	14.727		
10,600.0	10,522.0	10,641.5	10,522.0	31.2	32.4	89.44	219.3	1,857.3	907.4	845.7	61.68	14.711		
10,700.0	10,622.0	10,741.5	10,622.0	31.2	32.4	89.44	219.3	1,857.3	907.4	845.6	61.75	14.694		
10,800.0	10,722.0	10,841.5	10,722.0	31.3	32.5	89.44	219.3	1,857.3	907.4	845.6	61.82	14.677		
10,900.0	10,822.0	10,941.5	10,822.0	31.3	32.5	89.44	219.3	1,857.3	907.4	845.5	61.89	14.661		
11,000.0	10,922.0	11,041.5	10,922.0	31.3	32.5	89.44	219.3	1,857.3	907.4	845.4	61.96	14.644		
11,100.0	11,022.0	11,141.5	11,022.0	31.4	32.6	89.44	219.3	1,857.3	907.4	845.4	62.04	14.627		
11,200.0	11,122.0	11,241.5	11,122.0	31.4	32.6	89.44	219.3	1,857.3	907.4	845.3	62.11	14.610		
11,300.0	11,222.0	11,341.5	11,222.0	31.5	32.6	89.44	219.3	1,857.3	907.4	845.2	62.18	14.593		
11,400.0	11,322.0	11,441.5	11,322.0	31.5	32.7	89.44	219.3	1,857.3	907.4	845.1	62.25	14.576		
11,500.0	11,422.0	11,541.5	11,422.0	31.5	32.7	89.44	219.3	1,857.3	907.4	845.1	62.33	14.559		
11,600.0	11,522.0	11,641.5	11,522.0	31.6	32.7	89.44	219.3	1,857.3	907.4	845.0	62.40	14.542		
11,700.0	11,622.0	11,741.5	11,622.0	31.6	32.8	89.44	219.3	1,857.3	907.4	844.9	62.47	14.525		
11,784.5	11,706.5	11,826.0	11,706.5	31.6	32.8	89.44	219.3	1,857.3	907.4	844.9	62.53	14.512		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)				
11,800.0	11,722.0	11,841.6	11,722.1	31.6	32.8	-85.26	219.0	1,857.3	907.4	844.8	62.53	14.511		
11,825.0	11,747.0	11,866.7	11,747.2	31.6	32.8	-85.28	217.5	1,857.4	907.2	844.7	62.53	14.509		
11,850.0	11,771.8	11,891.9	11,772.2	31.6	32.8	-85.30	214.7	1,857.4	907.0	844.5	62.53	14.505		
11,875.0	11,796.5	11,917.0	11,797.0	31.6	32.7	-85.34	210.6	1,857.4	906.7	844.1	62.53	14.499		
11,900.0	11,820.9	11,942.2	11,821.6	31.6	32.7	-85.39	205.2	1,857.4	906.2	843.7	62.53	14.492		
11,925.0	11,845.0	11,967.3	11,845.8	31.6	32.7	-85.46	198.5	1,857.5	905.6	843.1	62.53	14.483		
11,950.0	11,868.7	11,992.5	11,869.7	31.5	32.6	-85.53	190.5	1,857.5	904.9	842.4	62.53	14.472		
11,975.0	11,892.0	12,017.6	11,893.0	31.5	32.6	-85.62	181.3	1,857.6	904.2	841.6	62.53	14.460		
12,000.0	11,914.8	12,042.7	11,915.9	31.5	32.5	-85.72	170.9	1,857.7	903.3	840.8	62.53	14.446		
12,025.0	11,937.0	12,067.8	11,938.2	31.5	32.5	-85.83	159.3	1,857.7	902.3	839.8	62.53	14.430		
12,050.0	11,958.5	12,092.9	11,959.8	31.5	32.5	-85.96	146.6	1,857.8	901.2	838.7	62.53	14.413		
12,075.0	11,979.4	12,118.0	11,980.7	31.5	32.4	-86.09	132.7	1,857.9	900.0	837.5	62.53	14.394		
12,100.0	11,999.6	12,143.1	12,000.8	31.5	32.4	-86.24	117.8	1,858.0	898.8	836.2	62.53	14.374		
12,125.0	12,018.9	12,168.2	12,020.1	31.5	32.4	-86.39	101.8	1,858.1	897.4	834.9	62.53	14.352		
12,150.0	12,037.4	12,193.2	12,038.6	31.4	32.4	-86.56	84.9	1,858.2	895.9	833.4	62.53	14.328		
12,175.0	12,054.9	12,218.3	12,056.1	31.4	32.3	-86.73	67.0	1,858.3	894.4	831.9	62.53	14.303		
12,200.0	12,071.5	12,243.3	12,072.7	31.4	32.3	-86.92	48.2	1,858.5	892.8	830.3	62.54	14.276		
12,225.0	12,087.1	12,268.3	12,088.2	31.4	32.3	-87.11	28.6	1,858.6	891.1	828.6	62.55	14.247		
12,250.0	12,101.7	12,293.3	12,102.7	31.4	32.3	-87.31	8.2	1,858.7	889.4	826.8	62.56	14.217		
12,275.0	12,115.2	12,318.3	12,116.1	31.4	32.3	-87.52	-12.9	1,858.9	887.6	825.0	62.57	14.185		
12,300.0	12,127.5	12,343.3	12,128.4	31.4	32.3	-87.73	-34.6	1,859.0	885.7	823.1	62.59	14.152		
12,325.0	12,138.7	12,368.3	12,139.5	31.5	32.3	-87.96	-57.0	1,859.1	883.8	821.2	62.60	14.117		
12,350.0	12,148.8	12,393.2	12,149.4	31.5	32.3	-88.18	-79.9	1,859.3	881.8	819.2	62.63	14.081		
12,375.0	12,157.6	12,418.2	12,158.1	31.5	32.3	-88.42	-103.3	1,859.4	879.8	817.2	62.65	14.043		
12,400.0	12,165.2	12,443.1	12,165.6	31.5	32.3	-88.66	-127.1	1,859.6	877.8	815.1	62.68	14.004		
12,425.0	12,171.5	12,468.1	12,171.8	31.5	32.3	-88.90	-151.2	1,859.8	875.7	813.0	62.71	13.964		
12,450.0	12,176.5	12,493.0	12,176.8	31.5	32.3	-89.15	-175.6	1,859.9	873.6	810.8	62.74	13.923		
12,475.0	12,180.3	12,517.9	12,180.4	31.6	32.3	-89.40	-200.3	1,860.1	871.5	808.7	62.78	13.881		
12,500.0	12,182.7	12,542.8	12,182.8	31.6	32.3	-89.65	-225.1	1,860.2	869.3	806.5	62.82	13.838		
12,525.0	12,183.9	12,567.7	12,183.9	31.6	32.3	-89.90	-250.0	1,860.4	867.2	804.3	62.87	13.794		
12,534.5	12,184.0	12,577.2	12,184.0	31.6	32.3	-90.00	-259.4	1,860.5	866.4	803.5	62.89	13.777		
12,600.0	12,184.0	12,642.5	12,184.0	31.7	32.4	-90.00	-324.7	1,860.9	861.5	798.5	63.04	13.667		
12,700.0	12,184.0	12,742.4	12,184.0	31.9	32.6	-90.00	-424.6	1,861.5	856.9	793.6	63.32	13.532		
12,780.9	12,184.0	12,823.3	12,184.0	32.0	32.7	-90.00	-505.5	1,862.1	855.8	792.2	63.59	13.458 CC		
12,781.0	12,184.0	12,823.4	12,184.0	32.0	32.7	-90.00	-505.6	1,862.1	855.8	792.2	63.59	13.458		
12,800.0	12,184.0	12,842.4	12,184.0	32.1	32.7	-90.00	-524.6	1,862.2	855.8	792.1	63.65	13.444		
12,900.0	12,184.0	12,942.4	12,184.0	32.3	32.9	-90.00	-624.6	1,862.8	855.8	791.7	64.04	13.364		
13,000.0	12,184.0	13,042.4	12,184.0	32.5	33.2	-90.00	-724.6	1,863.5	855.8	791.3	64.47	13.273		
13,100.0	12,184.0	13,142.4	12,184.0	32.8	33.4	-90.00	-824.6	1,864.1	855.8	790.8	64.96	13.173		
13,200.0	12,184.0	13,242.4	12,184.0	33.1	33.7	-90.00	-924.6	1,864.8	855.8	790.3	65.50	13.065		
13,300.0	12,184.0	13,342.4	12,184.0	33.4	34.0	-90.00	-1,024.6	1,865.4	855.8	789.7	66.10	12.948		
13,400.0	12,184.0	13,442.4	12,184.0	33.8	34.3	-90.00	-1,124.6	1,866.1	855.8	789.1	66.74	12.823		
13,500.0	12,184.0	13,542.4	12,184.0	34.1	34.6	-90.00	-1,224.6	1,866.7	855.8	788.4	67.43	12.692		
13,600.0	12,184.0	13,642.4	12,184.0	34.5	35.0	-90.00	-1,324.6	1,867.4	855.8	787.6	68.16	12.555		
13,700.0	12,184.0	13,742.4	12,184.0	34.9	35.4	-90.00	-1,424.6	1,868.0	855.8	786.9	68.94	12.413		
13,800.0	12,184.0	13,842.4	12,184.0	35.3	35.8	-90.00	-1,524.6	1,868.7	855.8	786.0	69.77	12.267		
13,900.0	12,184.0	13,942.4	12,184.0	35.8	36.2	-90.00	-1,624.6	1,869.3	855.8	785.2	70.63	12.116		
14,000.0	12,184.0	14,042.4	12,184.0	36.3	36.7	-90.00	-1,724.6	1,870.0	855.8	784.3	71.54	11.963		
14,100.0	12,184.0	14,142.4	12,184.0	36.7	37.1	-90.00	-1,824.6	1,870.6	855.8	783.3	72.48	11.807		
14,200.0	12,184.0	14,242.4	12,184.0	37.2	37.6	-90.00	-1,924.6	1,871.3	855.8	782.4	73.47	11.649		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)				
14,300.0	12,184.0	14,342.4	12,184.0	37.8	38.1	-90.00	-2,024.6	1,871.9	855.8	781.3	74.48	11.490		
14,400.0	12,184.0	14,442.4	12,184.0	38.3	38.7	-90.00	-2,124.6	1,872.6	855.8	780.3	75.54	11.330		
14,500.0	12,184.0	14,542.4	12,184.0	38.9	39.2	-90.00	-2,224.6	1,873.2	855.8	779.2	76.62	11.170		
14,600.0	12,184.0	14,642.4	12,184.0	39.4	39.7	-90.00	-2,324.6	1,873.9	855.8	778.1	77.74	11.009		
14,700.0	12,184.0	14,742.4	12,184.0	40.0	40.3	-90.00	-2,424.6	1,874.5	855.8	777.0	78.88	10.849		
14,800.0	12,184.0	14,842.4	12,184.0	40.6	40.9	-90.00	-2,524.6	1,875.2	855.8	775.8	80.06	10.690		
14,900.0	12,184.0	14,942.4	12,184.0	41.2	41.5	-90.00	-2,624.6	1,875.8	855.8	774.6	81.26	10.532		
15,000.0	12,184.0	15,042.4	12,184.0	41.9	42.1	-90.00	-2,724.6	1,876.5	855.9	773.4	82.49	10.375		
15,100.0	12,184.0	15,142.4	12,184.0	42.5	42.7	-90.00	-2,824.6	1,877.1	855.9	772.1	83.75	10.219		
15,200.0	12,184.0	15,242.4	12,184.0	43.1	43.3	-90.00	-2,924.6	1,877.8	855.9	770.8	85.03	10.066		
15,300.0	12,184.0	15,342.4	12,184.0	43.8	44.0	-90.00	-3,024.6	1,878.4	855.9	769.5	86.33	9.914		
15,400.0	12,184.0	15,442.4	12,184.0	44.5	44.6	-90.00	-3,124.6	1,879.1	855.9	768.2	87.65	9.764		
15,500.0	12,184.0	15,542.4	12,184.0	45.2	45.3	-90.00	-3,224.6	1,879.7	855.9	766.9	89.00	9.617		
15,600.0	12,184.0	15,642.4	12,184.0	45.8	46.0	-90.00	-3,324.6	1,880.4	855.9	765.5	90.36	9.471		
15,700.0	12,184.0	15,742.4	12,184.0	46.5	46.7	-90.00	-3,424.6	1,881.0	855.9	764.1	91.75	9.328		
15,800.0	12,184.0	15,842.4	12,184.0	47.3	47.4	-90.00	-3,524.6	1,881.7	855.9	762.7	93.15	9.188		
15,900.0	12,184.0	15,942.4	12,184.0	48.0	48.1	-90.00	-3,624.6	1,882.3	855.9	761.3	94.57	9.050		
16,000.0	12,184.0	16,042.4	12,184.0	48.7	48.8	-90.00	-3,724.5	1,882.9	855.9	759.9	96.01	8.915		
16,100.0	12,184.0	16,142.4	12,184.0	49.4	49.5	-90.00	-3,824.5	1,883.6	855.9	758.4	97.46	8.782		
16,200.0	12,184.0	16,242.4	12,184.0	50.2	50.3	-90.00	-3,924.5	1,884.2	855.9	757.0	98.93	8.651		
16,300.0	12,184.0	16,342.4	12,184.0	50.9	51.0	-90.00	-4,024.5	1,884.9	855.9	755.5	100.41	8.524		
16,400.0	12,184.0	16,442.4	12,184.0	51.7	51.7	-90.00	-4,124.5	1,885.5	855.9	754.0	101.91	8.399		
16,500.0	12,184.0	16,542.4	12,184.0	52.5	52.5	-90.00	-4,224.5	1,886.2	855.9	752.5	103.42	8.276		
16,600.0	12,184.0	16,642.4	12,184.0	53.2	53.3	-90.00	-4,324.5	1,886.8	855.9	751.0	104.94	8.156		
16,700.0	12,184.0	16,742.4	12,184.0	54.0	54.0	-90.00	-4,424.5	1,887.5	855.9	749.4	106.48	8.038		
16,800.0	12,184.0	16,842.4	12,184.0	54.8	54.8	-90.00	-4,524.5	1,888.1	855.9	747.9	108.02	7.923		
16,900.0	12,184.0	16,942.4	12,184.0	55.6	55.6	-90.00	-4,624.5	1,888.8	855.9	746.3	109.58	7.811		
17,000.0	12,184.0	17,042.4	12,184.0	56.4	56.4	-90.00	-4,724.5	1,889.4	855.9	744.8	111.15	7.700		
17,100.0	12,184.0	17,142.4	12,184.0	57.2	57.2	-90.00	-4,824.5	1,890.1	855.9	743.2	112.73	7.593		
17,200.0	12,184.0	17,242.4	12,184.0	58.0	58.0	-90.00	-4,924.5	1,890.7	855.9	741.6	114.32	7.487		
17,300.0	12,184.0	17,342.4	12,184.0	58.8	58.8	-90.00	-5,024.5	1,891.4	855.9	740.0	115.92	7.384		
17,400.0	12,184.0	17,442.4	12,184.0	59.6	59.6	-90.00	-5,124.5	1,892.0	855.9	738.4	117.52	7.283		
17,500.0	12,184.0	17,542.4	12,184.0	60.4	60.4	-90.00	-5,224.5	1,892.7	855.9	736.8	119.14	7.184		
17,600.0	12,184.0	17,642.4	12,184.0	61.2	61.2	-90.00	-5,324.5	1,893.3	855.9	735.2	120.76	7.088		
17,700.0	12,184.0	17,742.4	12,184.0	62.1	62.0	-90.00	-5,424.5	1,894.0	855.9	733.5	122.40	6.993		
17,800.0	12,184.0	17,842.4	12,184.0	62.9	62.8	-90.00	-5,524.5	1,894.6	855.9	731.9	124.04	6.901		
17,900.0	12,184.0	17,942.4	12,184.0	63.7	63.7	-90.00	-5,624.5	1,895.3	855.9	730.3	125.68	6.810		
18,000.0	12,184.0	18,042.4	12,184.0	64.6	64.5	-90.00	-5,724.5	1,895.9	855.9	728.6	127.34	6.722		
18,100.0	12,184.0	18,142.4	12,184.0	65.4	65.3	-90.00	-5,824.5	1,896.6	856.0	727.0	129.00	6.635		
18,200.0	12,184.0	18,242.4	12,184.0	66.2	66.2	-90.00	-5,924.5	1,897.2	856.0	725.3	130.67	6.551		
18,300.0	12,184.0	18,342.4	12,184.0	67.1	67.0	-90.00	-6,024.5	1,897.9	856.0	723.6	132.34	6.468		
18,400.0	12,184.0	18,442.4	12,184.0	67.9	67.9	-90.00	-6,124.5	1,898.5	856.0	721.9	134.02	6.387		
18,500.0	12,184.0	18,542.4	12,184.0	68.8	68.7	-90.00	-6,224.5	1,899.2	856.0	720.3	135.71	6.307		
18,600.0	12,184.0	18,642.4	12,184.0	69.7	69.6	-90.00	-6,324.5	1,899.8	856.0	718.6	137.40	6.230		
18,700.0	12,184.0	18,742.4	12,184.0	70.5	70.4	-90.00	-6,424.5	1,900.5	856.0	716.9	139.10	6.154		
18,800.0	12,184.0	18,842.4	12,184.0	71.4	71.3	-90.00	-6,524.5	1,901.1	856.0	715.2	140.80	6.079		
18,900.0	12,184.0	18,942.4	12,184.0	72.2	72.1	-90.00	-6,624.5	1,901.8	856.0	713.5	142.51	6.007		
19,000.0	12,184.0	19,042.4	12,184.0	73.1	73.0	-90.00	-6,724.5	1,902.4	856.0	711.8	144.22	5.935		
19,100.0	12,184.0	19,142.4	12,184.0	74.0	73.9	-90.00	-6,824.5	1,903.1	856.0	710.1	145.94	5.866		
19,200.0	12,184.0	19,242.4	12,184.0	74.8	74.7	-90.00	-6,924.5	1,903.7	856.0	708.3	147.66	5.797		
19,300.0	12,184.0	19,342.4	12,184.0	75.7	75.6	-90.00	-7,024.5	1,904.4	856.0	706.6	149.38	5.730		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0													Offset Site Error:		0.0 usft	
Survey Program:		0-r.5 MWD+IFR1					Rule Assigned:						Offset Well Error:		0.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside									Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	No-Go	Separation				
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)	Factor				
19,400.0	12,184.0	19,442.4	12,184.0	76.6	76.5	-90.00	-7,124.5	1,905.0	856.0	704.9	151.11	5.665				
19,405.1	12,184.0	19,447.5	12,184.0	76.6	76.5	-90.00	-7,129.6	1,905.1	856.0	704.8	151.20	5.661				
19,482.5	12,184.0	19,524.6	12,184.0	77.3	77.2	-90.00	-7,206.6	1,905.6	856.0	703.5	152.54	5.612 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2632 WC 714H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		No-Go		Separation		Warning		
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)	Distance (usft)	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.59	-1.5	-149.7	149.7	149.2	0.48	312.276		
100.0	100.0	100.0	100.0	1.2	1.2	-90.59	-1.5	-149.7	149.7	146.9	2.87	52.225		
200.0	200.0	200.0	200.0	1.7	1.7	-90.59	-1.5	-149.7	149.7	145.9	3.86	38.753		
300.0	300.0	300.0	300.0	2.1	2.1	-90.59	-1.5	-149.7	149.7	145.1	4.63	32.313		
400.0	400.0	400.0	400.0	2.4	2.4	-90.59	-1.5	-149.7	149.7	144.4	5.29	28.319		
500.0	500.0	500.0	500.0	2.7	2.7	-90.59	-1.5	-149.7	149.7	143.9	5.87	25.522		
600.0	600.0	600.0	600.0	3.0	3.0	-90.59	-1.5	-149.7	149.7	143.3	6.39	23.417		
700.0	700.0	700.0	700.0	3.2	3.2	-90.59	-1.5	-149.7	149.7	142.8	6.88	21.756		
800.0	800.0	800.0	800.0	3.5	3.5	-90.59	-1.5	-149.7	149.7	142.4	7.34	20.401		
900.0	900.0	900.0	900.0	3.7	3.7	-90.59	-1.5	-149.7	149.7	141.9	7.77	19.266		
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.59	-1.5	-149.7	149.7	141.5	8.18	18.298 CC, ES		
1,100.0	1,100.0	1,095.0	1,095.0	4.2	4.2	-168.10	-1.2	-151.3	153.1	144.3	8.78	17.438		
1,200.0	1,199.8	1,189.4	1,189.3	4.5	4.5	-168.09	-0.4	-155.9	163.0	153.7	9.35	17.432 SF		
1,300.0	1,299.5	1,282.6	1,282.1	4.9	4.8	-168.06	1.1	-163.4	179.6	169.6	9.93	18.075		
1,400.0	1,398.7	1,373.9	1,372.9	5.2	5.1	-168.03	3.1	-173.6	202.5	192.0	10.53	19.241		
1,477.6	1,475.4	1,443.3	1,441.5	5.4	5.3	-167.99	4.9	-183.3	224.7	213.8	10.93	20.554		
1,500.0	1,497.5	1,463.0	1,461.0	5.4	5.4	-168.00	5.5	-186.4	231.7	220.7	11.03	21.004		
1,600.0	1,596.1	1,550.0	1,546.6	5.7	5.7	-167.98	8.4	-201.4	264.7	253.1	11.58	22.863		
1,700.0	1,694.7	1,636.5	1,631.3	6.0	6.0	-167.85	11.8	-218.8	300.5	288.4	12.08	24.866		
1,800.0	1,793.3	1,729.5	1,722.1	6.4	6.3	-167.71	15.6	-238.5	337.2	324.5	12.65	26.646		
1,900.0	1,891.9	1,822.5	1,812.9	6.7	6.6	-167.59	19.4	-258.2	373.9	360.6	13.27	28.177		
2,000.0	1,990.5	1,915.5	1,903.7	7.1	6.9	-167.50	23.1	-277.9	410.6	396.7	13.91	29.517		
2,100.0	2,089.2	2,008.5	1,994.6	7.4	7.3	-167.42	26.9	-297.6	447.3	432.8	14.58	30.691		
2,200.0	2,187.8	2,101.5	2,085.4	7.8	7.6	-167.35	30.7	-317.3	484.1	468.8	15.26	31.722		
2,300.0	2,286.4	2,194.5	2,176.2	8.2	8.0	-167.29	34.5	-336.9	520.8	504.8	15.96	32.629		
2,400.0	2,385.0	2,287.6	2,267.0	8.6	8.3	-167.24	38.3	-356.6	557.5	540.8	16.68	33.430		
2,500.0	2,483.6	2,380.6	2,357.9	8.9	8.7	-167.20	42.1	-376.3	594.2	576.8	17.41	34.139		
2,600.0	2,582.2	2,473.6	2,448.7	9.3	9.1	-167.16	45.9	-396.0	630.9	612.8	18.15	34.771		
2,700.0	2,680.8	2,566.6	2,539.5	9.7	9.5	-167.12	49.7	-415.7	667.7	648.8	18.90	35.334		
2,800.0	2,779.5	2,659.6	2,630.3	10.2	9.9	-167.09	53.5	-435.4	704.4	684.7	19.65	35.838		
2,900.0	2,878.1	2,752.6	2,721.2	10.6	10.3	-167.07	57.3	-455.1	741.1	720.7	20.42	36.291		
3,000.0	2,976.7	2,845.6	2,812.0	11.0	10.6	-167.04	61.0	-474.8	777.8	756.6	21.20	36.699		
3,100.0	3,075.3	2,938.6	2,902.8	11.4	11.1	-167.02	64.8	-494.4	814.6	792.6	21.98	37.068		
3,200.0	3,173.9	3,031.7	2,993.6	11.8	11.5	-167.00	68.6	-514.1	851.3	828.5	22.76	37.402		
3,300.0	3,272.5	3,124.7	3,084.5	12.2	11.9	-166.98	72.4	-533.8	888.0	864.5	23.55	37.706		
3,400.0	3,371.1	3,217.7	3,175.3	12.7	12.3	-166.96	76.2	-553.5	924.7	900.4	24.35	37.984		
3,500.0	3,469.7	3,310.7	3,266.1	13.1	12.7	-166.94	80.0	-573.2	961.5	936.3	25.14	38.237		
3,600.0	3,568.4	3,403.7	3,356.9	13.5	13.1	-166.93	83.8	-592.9	998.2	972.2	25.95	38.470		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - WILDER-FEDERAL #23 (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 500-INCH ONLY												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	No-Go	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)	Centres (usft)	Ellipses (usft)	Distance (usft)	Factor	
0.0	0.0	0.0	0.0	0.0	3.0	176.23	-739.8	48.7	741.4	736.7	4.66	158.953	
100.0	100.0	98.0	98.0	1.2	4.2	176.23	-739.8	48.7	741.4	734.8	6.58	112.718	
200.0	200.0	198.0	198.0	1.7	6.7	176.23	-739.8	48.7	741.4	731.3	10.07	73.652	
300.0	300.0	298.0	298.0	2.1	9.4	176.23	-739.8	48.7	741.4	727.4	13.96	53.115	
400.0	400.0	398.0	398.0	2.4	12.3	176.23	-739.8	48.7	741.4	723.4	17.99	41.219	
500.0	500.0	498.0	498.0	2.7	15.2	176.23	-739.8	48.7	741.4	719.3	22.08	33.584	
600.0	600.0	598.2	598.0	3.0	18.2	176.23	-739.8	48.7	741.4	715.2	26.20	28.292	
700.0	700.0	698.2	698.0	3.2	21.2	176.23	-739.8	48.7	741.4	711.0	30.34	24.433	
752.1	752.1	750.3	750.0	3.4	22.7	176.22	-736.5	48.7	738.1	705.6	32.50	22.709 CC	
800.0	800.0	794.8	794.5	3.5	24.0	176.22	-736.6	48.7	738.2	703.9	34.35	21.489	
900.0	900.0	887.8	887.4	3.7	26.8	176.22	-737.5	48.7	739.2	701.0	38.22	19.341	
1,000.0	1,000.0	980.9	980.4	3.9	29.6	176.23	-739.3	48.7	741.1	699.0	42.09	17.609	
1,100.0	1,100.0	1,098.5	1,098.0	4.2	33.1	98.85	-739.8	48.7	741.6	694.6	47.00	15.781	
1,200.0	1,199.8	1,198.4	1,197.8	4.5	36.1	99.23	-739.8	48.7	742.5	691.3	51.16	14.513	
1,300.0	1,299.5	1,296.8	1,296.2	4.9	39.0	99.85	-738.7	48.7	742.9	687.6	55.27	13.441	
1,400.0	1,398.7	1,393.5	1,393.0	5.2	41.9	100.69	-739.0	48.7	745.4	686.1	59.31	12.568	
1,477.6	1,475.4	1,468.3	1,467.7	5.4	44.2	101.50	-739.5	48.7	748.2	685.8	62.43	11.985	
1,500.0	1,497.5	1,489.8	1,489.2	5.4	44.8	101.77	-739.7	48.7	749.1	685.8	63.32	11.831	
1,600.0	1,596.1	1,595.0	1,594.1	5.7	47.9	103.06	-739.8	48.7	752.8	685.1	67.72	11.117	
1,700.0	1,694.7	1,693.6	1,692.7	6.0	50.9	104.27	-739.8	48.7	756.8	685.0	71.85	10.534	
1,800.0	1,793.3	1,789.1	1,788.2	6.4	53.8	105.44	-736.6	48.7	757.9	682.1	75.85	9.993 ES	
1,900.0	1,891.9	1,880.6	1,879.6	6.7	56.5	106.54	-737.4	48.7	763.5	683.8	79.67	9.583	
2,000.0	1,990.5	1,972.1	1,971.0	7.1	59.2	107.61	-739.1	48.7	770.3	686.8	83.49	9.226	
2,100.0	2,089.2	2,088.4	2,087.2	7.4	62.7	108.97	-739.8	48.7	776.0	687.7	88.38	8.781	
2,200.0	2,187.8	2,187.0	2,185.8	7.8	65.7	110.11	-739.8	48.7	781.7	689.1	92.51	8.449	
2,300.0	2,286.4	2,284.7	2,283.4	8.2	68.6	111.23	-738.7	48.7	786.5	689.9	96.61	8.141	
2,400.0	2,385.0	2,380.7	2,379.4	8.6	71.5	112.30	-739.0	48.7	793.1	692.4	100.64	7.880	
2,500.0	2,483.6	2,476.7	2,475.4	8.9	74.4	113.35	-739.6	48.7	800.2	695.5	104.67	7.645	
2,600.0	2,582.2	2,581.8	2,580.2	9.3	77.5	114.48	-739.8	48.7	807.2	698.1	109.08	7.400	
2,700.0	2,680.8	2,680.4	2,678.8	9.7	80.5	115.53	-739.8	48.7	814.3	701.0	113.22	7.192	
2,800.0	2,779.5	2,776.8	2,775.2	10.2	83.4	116.60	-736.5	48.7	818.5	701.2	117.27	6.979	
2,900.0	2,878.1	2,868.0	2,866.3	10.6	86.1	117.53	-737.2	48.7	826.9	705.8	121.10	6.828	
3,000.0	2,976.7	2,959.1	2,957.4	11.0	88.8	118.42	-738.8	48.7	836.4	711.5	124.91	6.696	
3,100.0	3,075.3	3,075.2	3,073.3	11.4	92.3	119.55	-739.8	48.7	845.3	715.5	129.82	6.512	
3,200.0	3,173.9	3,173.8	3,171.9	11.8	95.3	120.51	-739.8	48.7	853.7	719.7	133.97	6.373	
3,300.0	3,272.5	3,271.8	3,269.9	12.2	98.2	121.47	-738.7	48.7	861.3	723.2	138.09	6.237	
3,400.0	3,371.1	3,367.7	3,365.8	12.7	101.1	122.36	-738.9	48.7	870.4	728.3	142.13	6.124	
3,500.0	3,469.7	3,463.5	3,461.6	13.1	103.9	123.23	-739.5	48.7	880.0	733.9	146.16	6.021	
3,600.0	3,568.4	3,568.6	3,566.4	13.5	107.1	124.16	-739.8	48.7	889.6	739.0	150.59	5.908	
3,700.0	3,667.0	3,667.2	3,665.0	13.9	110.1	125.03	-739.8	48.7	899.1	744.4	154.74	5.810	
3,800.0	3,765.6	3,764.5	3,762.2	14.4	113.0	125.95	-736.5	48.7	905.8	747.0	158.85	5.703	
3,900.0	3,864.2	3,855.4	3,853.0	14.8	115.7	126.70	-737.1	48.7	916.3	753.7	162.67	5.633	
4,000.0	3,962.8	3,946.2	3,943.8	15.2	118.4	127.42	-738.5	48.7	927.9	761.4	166.48	5.573	
4,100.0	4,061.4	4,062.0	4,059.4	15.7	121.9	128.32	-739.8	48.7	939.1	767.7	171.38	5.480	
4,200.0	4,160.0	4,160.6	4,158.0	16.1	124.9	129.10	-739.8	48.7	949.6	774.0	175.54	5.409	
4,300.0	4,258.7	4,258.9	4,256.4	16.5	127.8	129.89	-738.7	48.7	959.3	779.6	179.69	5.338	
4,400.0	4,357.3	4,354.7	4,352.1	17.0	130.7	130.61	-738.9	48.7	970.3	786.5	183.74	5.281	
4,500.0	4,455.9	4,450.5	4,447.9	17.4	133.5	131.31	-739.4	48.7	981.7	793.9	187.78	5.228	
4,600.0	4,554.5	4,555.4	4,552.5	17.8	136.7	132.05	-739.8	48.7	993.1	800.9	192.21	5.167 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - ZIA HILLS 25E FEDERAL COM 404H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 205-r.5 MWD		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 3.0 usft		
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)	No-Go Distance (usft)	Separation Factor	Warning	
5,000.0	4,948.9	5,152.6	5,122.0	19.6	21.7	17.64	58.7	1,582.1	986.6	946.7	39.91	24.719		
5,100.0	5,047.6	5,243.0	5,211.3	20.0	22.1	17.70	63.3	1,569.2	956.4	915.7	40.70	23.497		
5,200.0	5,146.2	5,334.0	5,301.3	20.5	22.5	17.79	67.5	1,556.6	926.8	885.3	41.50	22.333		
5,300.0	5,244.8	5,428.5	5,394.8	20.9	22.9	17.91	71.7	1,543.8	897.4	855.1	42.29	21.221		
5,400.0	5,343.4	5,522.0	5,487.5	21.4	23.3	18.04	75.7	1,531.2	868.1	825.1	43.08	20.153		
5,500.0	5,442.0	5,611.6	5,576.2	21.8	23.6	18.19	79.3	1,519.6	839.4	795.5	43.88	19.131		
5,600.0	5,540.6	5,702.0	5,665.9	22.3	24.0	18.39	82.3	1,508.5	811.3	766.6	44.67	18.161		
5,700.0	5,639.2	5,795.3	5,758.5	22.7	24.4	18.63	85.1	1,497.4	783.7	738.2	45.46	17.239		
5,800.0	5,737.9	5,889.5	5,852.0	23.1	24.8	18.90	87.7	1,486.5	756.4	710.1	46.24	16.358		
5,900.0	5,836.5	5,982.9	5,944.8	23.6	25.1	19.21	90.0	1,476.0	729.4	682.4	47.02	15.512		
6,000.0	5,935.1	6,080.2	6,041.5	24.0	25.5	19.58	92.2	1,465.1	702.6	654.8	47.79	14.701		
6,100.0	6,033.7	6,176.0	6,136.6	24.5	25.9	19.97	94.3	1,454.3	675.8	627.2	48.57	13.915		
6,200.0	6,132.3	6,271.3	6,231.3	24.9	26.3	20.38	96.6	1,443.7	649.1	599.7	49.34	13.156		
6,300.0	6,230.9	6,368.5	6,327.9	25.4	26.7	20.82	99.0	1,433.0	622.4	572.3	50.10	12.425		
6,400.0	6,329.5	6,476.7	6,435.2	25.8	27.1	21.28	102.7	1,419.7	594.6	543.8	50.81	11.703		
6,500.0	6,428.1	6,570.6	6,528.2	26.3	27.5	21.69	106.2	1,407.7	566.1	514.5	51.59	10.974		
6,600.0	6,526.8	6,663.2	6,620.1	26.7	27.9	22.21	109.0	1,396.1	538.1	485.8	52.37	10.276		
6,622.7	6,549.2	6,684.3	6,641.0	26.8	28.0	22.34	109.6	1,393.5	531.9	479.3	52.54	10.123		
6,700.0	6,625.5	6,760.7	6,716.8	27.1	28.3	22.76	111.4	1,384.4	511.2	458.1	53.10	9.627		
6,800.0	6,724.4	6,871.1	6,826.0	27.6	28.8	23.17	116.0	1,368.6	483.3	429.6	53.74	8.994		
6,900.0	6,823.6	6,965.9	6,919.7	28.0	29.2	23.41	120.6	1,354.6	456.4	401.9	54.51	8.373		
7,000.0	6,923.0	7,061.9	7,014.5	28.4	29.6	23.64	125.1	1,340.5	431.3	376.0	55.27	7.803		
7,100.0	7,022.6	7,157.4	7,108.9	28.8	30.0	23.85	129.1	1,326.6	408.0	352.0	56.03	7.282		
7,200.0	7,122.3	7,251.4	7,202.0	29.2	30.4	24.01	132.9	1,313.5	386.8	330.0	56.80	6.810		
7,300.0	7,222.1	7,344.7	7,294.4	29.5	30.8	24.15	136.1	1,301.6	368.5	310.9	57.57	6.400		
7,400.0	7,322.1	7,443.9	7,392.9	29.8	31.2	24.37	138.4	1,289.7	352.6	294.4	58.24	6.055		
7,500.0	7,422.0	7,544.1	7,492.2	30.1	31.6	24.25	142.4	1,276.9	337.3	278.4	58.89	5.728		
7,578.0	7,500.0	7,618.3	7,565.8	30.2	31.9	101.57	145.3	1,268.0	327.0	267.6	59.38	5.506		
7,600.0	7,522.0	7,639.3	7,586.6	30.2	32.0	101.52	146.1	1,265.5	324.3	264.8	59.50	5.451		
7,700.0	7,622.0	7,736.3	7,683.0	30.3	32.4	101.26	149.7	1,255.0	312.9	252.9	60.02	5.214		
7,800.0	7,722.0	7,835.2	7,781.3	30.3	32.8	101.03	153.0	1,244.5	301.8	241.3	60.51	4.988		
7,900.0	7,822.0	7,933.2	7,878.7	30.3	33.2	100.81	156.1	1,234.3	291.0	230.0	61.01	4.770		
8,000.0	7,922.0	8,031.4	7,976.3	30.4	33.6	100.60	159.0	1,224.5	280.7	219.2	61.50	4.565		
8,100.0	8,022.0	8,133.7	8,078.1	30.4	34.0	100.38	162.0	1,214.3	270.4	208.4	61.93	4.365		
8,200.0	8,122.0	8,233.5	8,177.3	30.4	34.4	100.06	165.5	1,203.4	259.0	196.6	62.42	4.149		
8,300.0	8,222.0	8,337.8	8,280.8	30.4	34.9	99.57	169.7	1,191.3	246.9	184.1	62.84	3.929		
8,400.0	8,322.0	8,436.4	8,378.4	30.5	35.3	98.90	174.6	1,178.9	233.7	170.3	63.38	3.687		
8,500.0	8,422.0	8,534.0	8,475.2	30.5	35.7	98.23	179.0	1,167.3	221.3	157.3	63.92	3.461		
8,600.0	8,522.0	8,630.4	8,570.9	30.5	36.1	97.64	182.7	1,156.8	209.9	145.4	64.48	3.256		
8,700.0	8,622.0	8,732.9	8,672.7	30.6	36.5	96.80	187.1	1,145.2	198.1	133.2	64.91	3.052		
8,800.0	8,722.0	8,830.5	8,769.5	30.6	36.9	95.72	192.0	1,133.9	186.1	120.6	65.44	2.843 Normal Operations		
8,900.0	8,822.0	8,926.9	8,865.4	30.6	37.3	94.73	196.0	1,123.8	175.3	109.3	65.97	2.657 Normal Operations		
9,000.0	8,922.0	9,023.3	8,961.4	30.7	37.7	93.95	199.0	1,115.5	166.5	100.0	66.47	2.504 Normal Operations		
9,100.0	9,022.0	9,121.9	9,059.6	30.7	38.0	93.53	200.6	1,108.1	158.8	91.9	66.91	2.374 Caution - Monitor Closely		
9,200.0	9,122.0	9,220.8	9,158.3	30.7	38.4	93.54	201.0	1,101.2	151.8	84.4	67.34	2.254 Caution - Monitor Closely		
9,300.0	9,222.0	9,319.6	9,256.9	30.8	38.7	93.82	200.8	1,094.6	145.2	77.4	67.78	2.143 Caution - Monitor Closely		
9,400.0	9,322.0	9,416.8	9,353.9	30.8	39.0	93.41	202.1	1,089.6	139.9	71.8	68.18	2.052 Caution - Monitor Closely		
9,500.0	9,422.0	9,514.0	9,451.1	30.8	39.3	92.84	203.6	1,086.7	136.9	68.4	68.51	1.998 Caution - Monitor Closely		
9,600.0	9,522.0	9,613.5	9,550.5	30.9	39.6	92.33	204.9	1,084.9	135.1	66.3	68.79	1.963 Caution - Monitor Closely		
9,700.0	9,622.0	9,713.4	9,650.4	30.9	39.9	92.09	205.5	1,083.0	133.1	64.0	69.08	1.926 Caution - Monitor Closely		
9,800.0	9,722.0	9,813.3	9,750.3	30.9	40.1	92.08	205.6	1,081.4	131.5	62.1	69.40	1.894 Caution - Monitor Closely		

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 2532 WC 705H - Slot
Project:	ZIA HILLS UNIT AREA	TVD Reference:	ZIA HILLS UNIT2532 WC 705H
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Grid
Well Error:	0.0 usft	Output errors are at	Minimum Curvature
Reference Wellbore	OWB	Database:	2.00 sigma
Reference Design:	PWP0	Offset TVD Reference:	EDT 17 Permian Prod
			Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - ZIA HILLS 25E FEDERAL COM 404H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 205-r.5 MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.0	9,822.0	9,914.7	9,851.7	31.0	40.5	92.55	204.7	1,079.1	129.3	59.4	69.84	1.851	Caution - Monitor Closely
10,000.0	9,922.0	10,015.3	9,951.7	31.0	40.7	96.90	195.3	1,075.1	126.1	55.8	70.24	1.795	Caution - Monitor Closely
10,057.6	9,979.6	10,070.5	10,005.6	31.0	40.7	102.20	184.0	1,072.2	125.0	55.0	69.99	1.787	Caution - Monitor Closely, CC, ES, SF
10,100.0	10,022.0	10,108.0	10,041.6	31.0	40.7	106.97	173.6	1,070.4	126.1	56.8	69.27	1.820	Caution - Monitor Closely
10,200.0	10,122.0	10,187.6	10,115.3	31.1	40.6	119.26	143.9	1,068.8	140.0	75.2	64.80	2.160	Caution - Monitor Closely
10,300.0	10,222.0	10,263.9	10,182.4	31.1	40.5	130.52	107.4	1,070.5	171.5	113.0	58.51	2.932	Normal Operations
10,400.0	10,322.0	10,337.1	10,243.7	31.1	40.4	139.37	67.6	1,072.5	215.2	162.1	53.08	4.053	
10,500.0	10,422.0	10,390.0	10,285.4	31.2	40.4	144.87	35.2	1,073.3	269.0	220.1	48.83	5.509	
10,600.0	10,522.0	10,444.8	10,325.1	31.2	40.4	149.87	-2.6	1,073.6	332.2	286.1	46.10	7.205	
10,700.0	10,622.0	10,501.1	10,363.3	31.2	40.3	153.92	-44.0	1,074.5	401.6	357.1	44.49	9.026	
10,800.0	10,722.0	10,553.5	10,398.0	31.3	40.4	156.90	-83.2	1,075.2	473.6	430.1	43.56	10.873	
10,900.0	10,822.0	10,596.6	10,424.9	31.3	40.4	159.12	-116.9	1,074.8	549.3	506.3	43.03	12.766	
11,000.0	10,922.0	10,654.0	10,459.4	31.3	40.4	161.67	-162.7	1,073.6	627.1	584.4	42.74	14.674	
11,100.0	11,022.0	10,701.2	10,487.7	31.4	40.5	163.36	-200.5	1,072.8	705.6	662.9	42.67	16.537	
11,200.0	11,122.0	10,728.5	10,503.5	31.4	40.5	164.18	-222.7	1,072.7	786.2	743.4	42.82	18.360	
11,300.0	11,222.0	10,760.0	10,520.1	31.5	40.5	165.09	-249.5	1,072.5	869.7	826.6	43.06	20.195	
11,400.0	11,322.0	10,760.0	10,520.1	31.5	40.5	165.09	-249.5	1,072.5	954.9	911.5	43.46	21.975	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - ZIA HILLS 25E FEDERAL COM 404H - ST01 - ST01 AWP													Offset Site Error:	0.0 usft
Survey Program: Reference		205-r.5 MWD, 9809-r.5 MWD		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
5,000.0	4,948.9	5,152.6	5,122.0	19.6	21.7	17.64	58.7	1,582.1	986.6	946.7	39.91	24.719		
5,100.0	5,047.6	5,243.0	5,211.3	20.0	22.1	17.70	63.3	1,569.2	956.4	915.7	40.70	23.497		
5,200.0	5,146.2	5,334.0	5,301.3	20.5	22.5	17.79	67.5	1,556.6	926.8	885.3	41.50	22.333		
5,300.0	5,244.8	5,428.5	5,394.8	20.9	22.9	17.91	71.7	1,543.8	897.4	855.1	42.29	21.221		
5,400.0	5,343.4	5,522.0	5,487.5	21.4	23.3	18.04	75.7	1,531.2	868.1	825.1	43.08	20.153		
5,500.0	5,442.0	5,611.6	5,576.2	21.8	23.6	18.19	79.3	1,519.6	839.4	795.5	43.88	19.131		
5,600.0	5,540.6	5,702.0	5,665.9	22.3	24.0	18.39	82.3	1,508.5	811.3	766.6	44.67	18.161		
5,700.0	5,639.2	5,795.3	5,758.5	22.7	24.4	18.63	85.1	1,497.4	783.7	738.2	45.46	17.239		
5,800.0	5,737.9	5,889.5	5,852.0	23.1	24.8	18.90	87.7	1,486.5	756.4	710.1	46.24	16.358		
5,900.0	5,836.5	5,982.9	5,944.8	23.6	25.1	19.21	90.0	1,476.0	729.4	682.4	47.02	15.512		
6,000.0	5,935.1	6,080.2	6,041.5	24.0	25.5	19.58	92.2	1,465.1	702.6	654.8	47.79	14.701		
6,100.0	6,033.7	6,176.0	6,136.6	24.5	25.9	19.97	94.3	1,454.3	675.8	627.2	48.57	13.915		
6,200.0	6,132.3	6,271.3	6,231.3	24.9	26.3	20.38	96.6	1,443.7	649.1	599.7	49.34	13.156		
6,300.0	6,230.9	6,368.5	6,327.9	25.4	26.7	20.82	99.0	1,433.0	622.4	572.3	50.10	12.425		
6,400.0	6,329.5	6,476.7	6,435.2	25.8	27.1	21.28	102.7	1,419.7	594.6	543.8	50.81	11.703		
6,500.0	6,428.1	6,570.6	6,528.2	26.3	27.5	21.69	106.2	1,407.7	566.1	514.5	51.59	10.974		
6,600.0	6,526.8	6,663.2	6,620.1	26.7	27.9	22.21	109.0	1,396.1	538.1	485.8	52.37	10.276		
6,622.7	6,549.2	6,684.3	6,641.0	26.8	28.0	22.34	109.6	1,393.5	531.9	479.3	52.54	10.123		
6,700.0	6,625.5	6,760.7	6,716.8	27.1	28.3	22.76	111.4	1,384.4	511.2	458.1	53.10	9.627		
6,800.0	6,724.4	6,871.1	6,826.0	27.6	28.8	23.17	116.0	1,368.6	483.3	429.6	53.74	8.994		
6,900.0	6,823.6	6,965.9	6,919.7	28.0	29.2	23.41	120.6	1,354.6	456.4	401.9	54.51	8.373		
7,000.0	6,923.0	7,061.9	7,014.5	28.4	29.6	23.64	125.1	1,340.5	431.3	376.0	55.27	7.803		
7,100.0	7,022.6	7,157.4	7,108.9	28.8	30.0	23.85	129.1	1,326.6	408.0	352.0	56.03	7.282		
7,200.0	7,122.3	7,251.4	7,202.0	29.2	30.4	24.01	132.9	1,313.5	386.8	330.0	56.80	6.810		
7,300.0	7,222.1	7,344.7	7,294.4	29.5	30.8	24.15	136.1	1,301.6	368.5	310.9	57.57	6.400		
7,400.0	7,322.1	7,443.9	7,392.9	29.8	31.2	24.37	138.4	1,289.7	352.6	294.4	58.24	6.055		
7,500.0	7,422.0	7,544.1	7,492.2	30.1	31.6	24.25	142.4	1,276.9	337.3	278.4	58.89	5.728		
7,578.0	7,500.0	7,618.3	7,565.8	30.2	31.9	101.57	145.3	1,268.0	327.0	267.6	59.38	5.506		
7,600.0	7,522.0	7,639.3	7,586.6	30.2	32.0	101.52	146.1	1,265.5	324.3	264.8	59.50	5.451		
7,700.0	7,622.0	7,736.3	7,683.0	30.3	32.4	101.26	149.7	1,255.0	312.9	252.9	60.02	5.214		
7,800.0	7,722.0	7,835.2	7,781.3	30.3	32.8	101.03	153.0	1,244.5	301.8	241.3	60.51	4.988		
7,900.0	7,822.0	7,933.2	7,878.7	30.3	33.2	100.81	156.1	1,234.3	291.0	230.0	61.01	4.770		
8,000.0	7,922.0	8,031.4	7,976.3	30.4	33.6	100.60	159.0	1,224.5	280.7	219.2	61.50	4.565		
8,100.0	8,022.0	8,133.7	8,078.1	30.4	34.0	100.38	162.0	1,214.3	270.4	208.4	61.93	4.365		
8,200.0	8,122.0	8,233.5	8,177.3	30.4	34.4	100.06	165.5	1,203.4	259.0	196.6	62.42	4.149		
8,300.0	8,222.0	8,337.8	8,280.8	30.4	34.9	99.57	169.7	1,191.3	246.9	184.1	62.84	3.929		
8,400.0	8,322.0	8,436.4	8,378.4	30.5	35.3	98.90	174.6	1,178.9	233.7	170.3	63.38	3.687		
8,500.0	8,422.0	8,534.0	8,475.2	30.5	35.7	98.23	179.0	1,167.3	221.3	157.3	63.92	3.461		
8,600.0	8,522.0	8,630.4	8,570.9	30.5	36.1	97.64	182.7	1,156.8	209.9	145.4	64.48	3.256		
8,700.0	8,622.0	8,732.9	8,672.7	30.6	36.5	96.80	187.1	1,145.2	198.1	133.2	64.91	3.052		
8,800.0	8,722.0	8,830.5	8,769.5	30.6	36.9	95.72	192.0	1,133.9	186.1	120.6	65.44	2.843 Normal Operations		
8,900.0	8,822.0	8,926.9	8,865.4	30.6	37.3	94.73	196.0	1,123.8	175.3	109.3	65.97	2.657 Normal Operations		
9,000.0	8,922.0	9,023.3	8,961.4	30.7	37.7	93.95	199.0	1,115.5	166.5	100.0	66.47	2.504 Normal Operations		
9,100.0	9,022.0	9,121.9	9,059.6	30.7	38.0	93.53	200.6	1,108.1	158.8	91.9	66.91	2.374 Caution - Monitor Closely		
9,200.0	9,122.0	9,220.8	9,158.3	30.7	38.4	93.54	201.0	1,101.2	151.8	84.4	67.34	2.254 Caution - Monitor Closely		
9,300.0	9,222.0	9,319.6	9,256.9	30.8	38.7	93.82	200.8	1,094.6	145.2	77.4	67.78	2.143 Caution - Monitor Closely		
9,400.0	9,322.0	9,416.8	9,353.9	30.8	39.0	93.41	202.1	1,089.6	139.9	71.8	68.18	2.052 Caution - Monitor Closely		
9,500.0	9,422.0	9,514.0	9,451.1	30.8	39.3	92.84	203.6	1,086.7	136.9	68.4	68.51	1.998 Caution - Monitor Closely		
9,600.0	9,522.0	9,613.5	9,550.5	30.9	39.6	92.33	204.9	1,084.9	135.1	66.3	68.79	1.963 Caution - Monitor Closely		
9,700.0	9,622.0	9,713.4	9,650.4	30.9	39.9	92.09	205.5	1,083.0	133.1	64.0	69.08	1.926 Caution - Monitor Closely		
9,794.9	9,716.9	9,805.9	9,742.9	30.9	40.1	91.03	208.0	1,081.9	131.9	62.6	69.36	1.902 Caution - Monitor Closely		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - ZIA HILLS 25E FEDERAL COM 404H - ST01 - ST01 AWP												Offset Site Error:	0.0 usft
Survey Program: 205-r.5 MWD, 9809-r.5 MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,800.0	9,722.0	9,811.0	9,747.9	30.9	40.1	90.78	208.6	1,081.9	132.0	62.6	69.36	1.902	Caution - Monitor Closely
9,900.0	9,822.0	9,918.3	9,854.7	31.0	40.2	86.85	217.6	1,080.2	130.6	61.5	69.04	1.891	Caution - Monitor Closely
10,000.0	9,922.0	10,013.2	9,949.1	31.0	40.2	90.16	210.0	1,076.6	126.6	57.2	69.48	1.823	Caution - Monitor Closely
10,100.0	10,022.0	10,116.0	10,048.3	31.0	40.3	102.27	183.8	1,072.3	125.2	55.7	69.48	1.801	Caution - Monitor Closely, CC, ES, SF
10,104.4	10,026.5	10,120.1	10,052.2	31.0	40.3	102.93	182.4	1,072.0	125.2	55.7	69.42	1.803	Caution - Monitor Closely
10,200.0	10,122.0	10,202.0	10,126.5	31.1	40.3	118.13	149.0	1,064.8	132.0	66.2	65.79	2.006	Caution - Monitor Closely
10,300.0	10,222.0	10,275.3	10,188.8	31.1	40.3	132.50	110.9	1,058.6	158.8	100.3	58.48	2.715	Normal Operations
10,400.0	10,322.0	10,342.0	10,241.8	31.1	40.4	143.05	70.6	1,055.1	204.6	152.4	52.17	3.922	
10,500.0	10,422.0	10,397.7	10,283.5	31.2	40.4	149.50	33.8	1,054.1	262.9	214.6	48.23	5.450	
10,600.0	10,522.0	10,450.7	10,321.2	31.2	40.5	154.05	-3.6	1,054.1	328.7	282.7	46.05	7.138	
10,700.0	10,622.0	10,499.1	10,353.7	31.2	40.5	157.01	-39.4	1,056.0	400.3	355.4	44.89	8.916	
10,800.0	10,722.0	10,549.6	10,386.3	31.3	40.6	159.23	-77.7	1,059.3	475.2	430.8	44.35	10.714	
10,900.0	10,822.0	10,593.6	10,413.6	31.3	40.7	160.81	-112.0	1,062.2	552.5	508.4	44.06	12.540	
11,000.0	10,922.0	10,619.0	10,428.8	31.3	40.7	161.64	-132.4	1,063.8	632.5	588.7	43.86	14.421	
11,100.0	11,022.0	10,665.0	10,454.3	31.4	40.8	163.04	-170.6	1,066.2	714.9	671.0	43.93	16.273	
11,200.0	11,122.0	10,685.2	10,464.8	31.4	40.9	163.60	-187.8	1,067.2	799.4	755.4	44.00	18.167	
11,300.0	11,222.0	10,712.0	10,478.1	31.5	40.9	164.29	-211.0	1,068.6	885.7	841.5	44.19	20.045	
11,400.0	11,322.0	10,737.1	10,490.0	31.5	41.0	164.85	-233.1	1,070.1	973.3	928.8	44.42	21.910	

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

ConocoPhillips

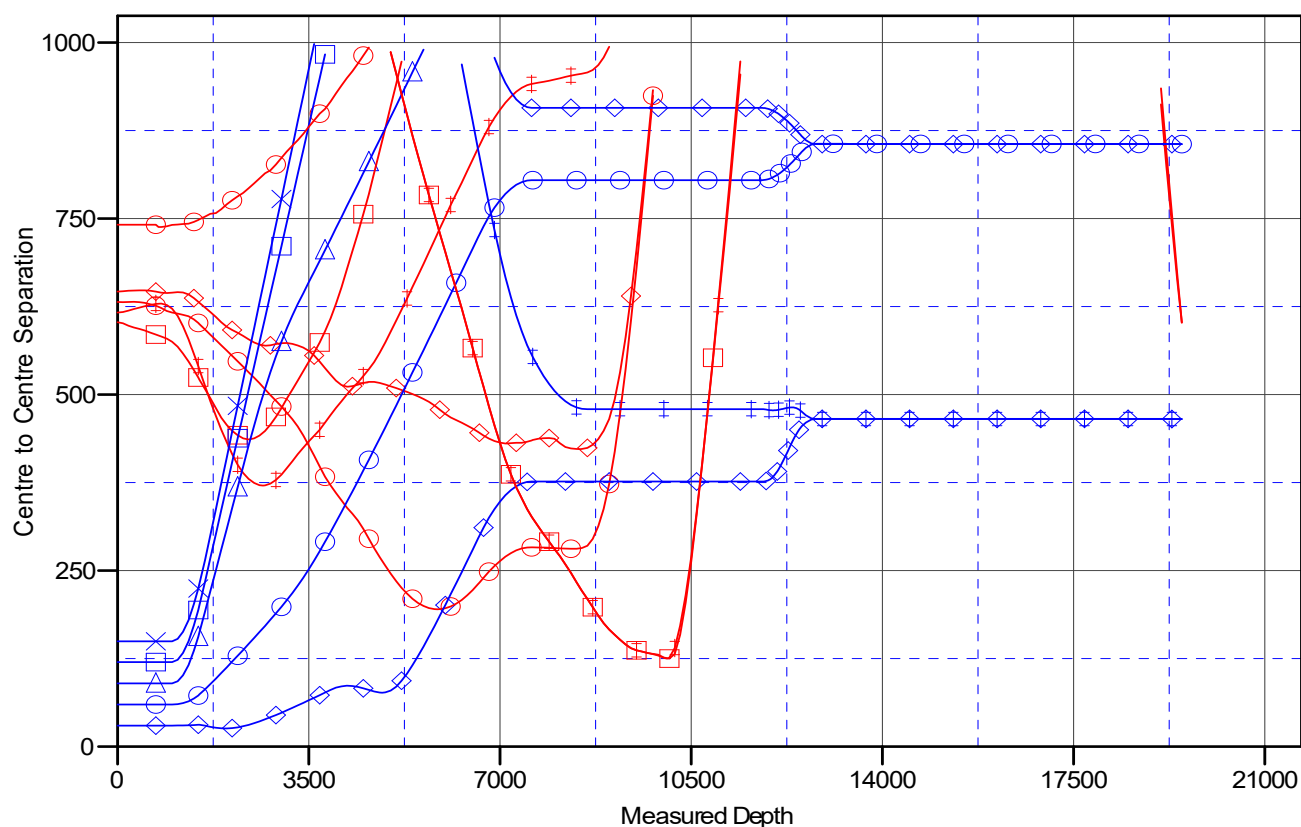
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 3135.0usft (Original Well Ele
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UN
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.37°

Ladder Plot



LEGEND

SD WE 24 FED P23 #2H, OWB, AWP V0
SD WE 24 FEDERAL P23 1H, OWB, AWP V0
SD WE 24 FED P23 4H, OWB, AWP V0
SD WE 24 FED P23 3H, OWB, AWP V0
SUN 54-2 1H, OWB, AWP V0
SUN 54-2 1H, ST01, ST01 AWP V0

_ZIA HILLS UNIT 2532 WC 701H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 702H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 703H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 704H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 705H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 706H, OWB, PWP0 V0

_ZIA HILLS UNIT 2532 WC 714H, OWB, PWP0 V0
WILDER-FEDERAL #23 (P&A), OWB, AWP V0
ZIA HILLS 25E FEDERAL COM04H, OWB, AWP V0
ZIA HILLS 25E FEDERAL COM04H, ST01, ST01 AWP V0

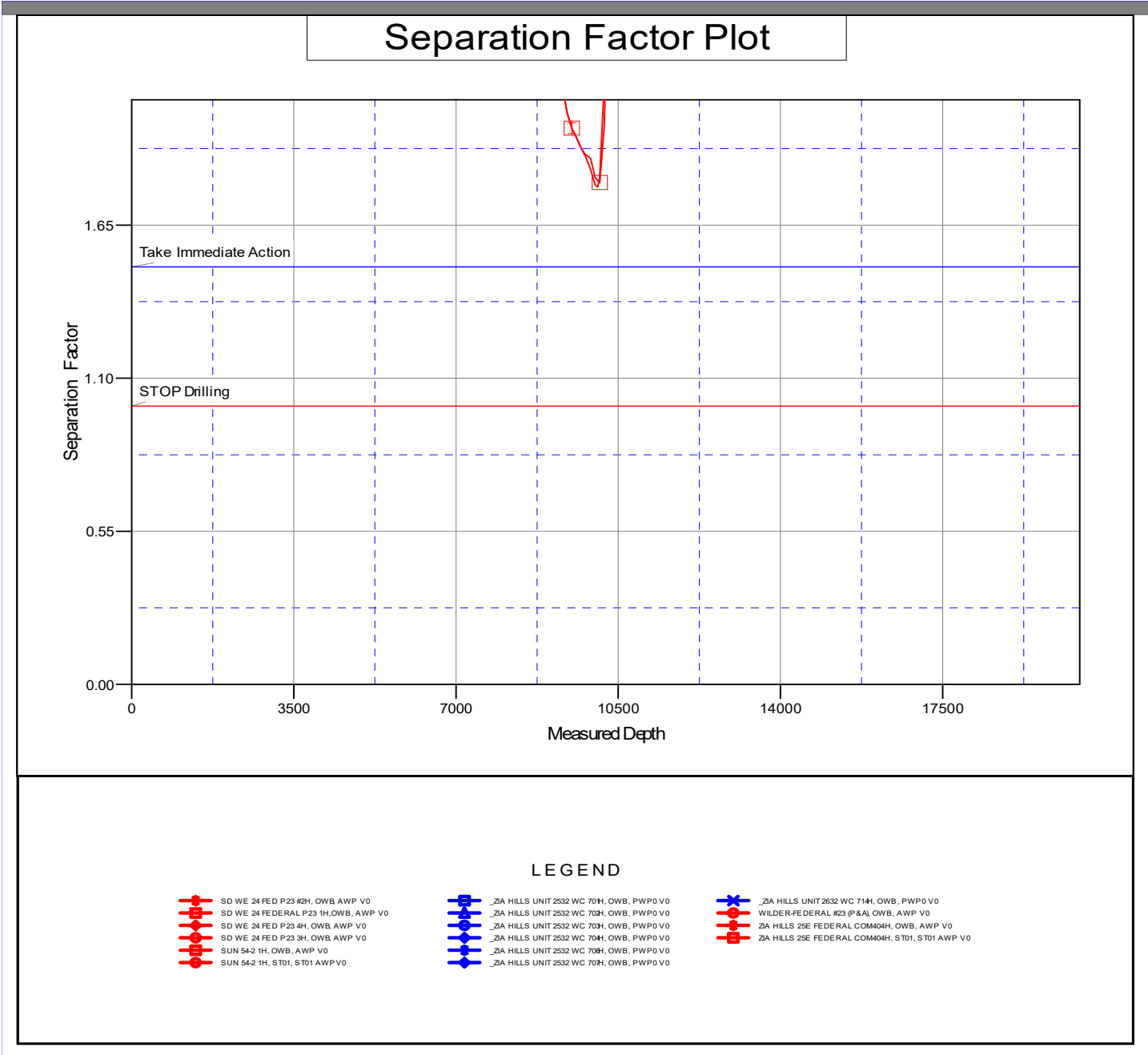
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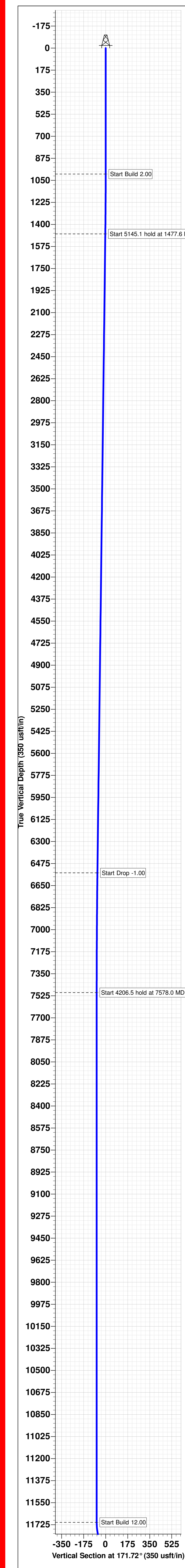
ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
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Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

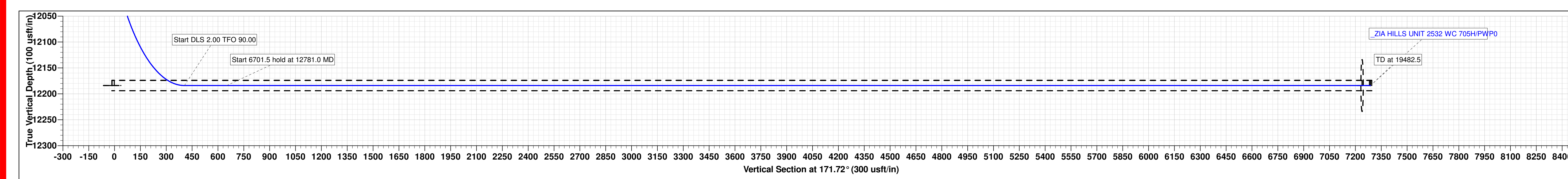
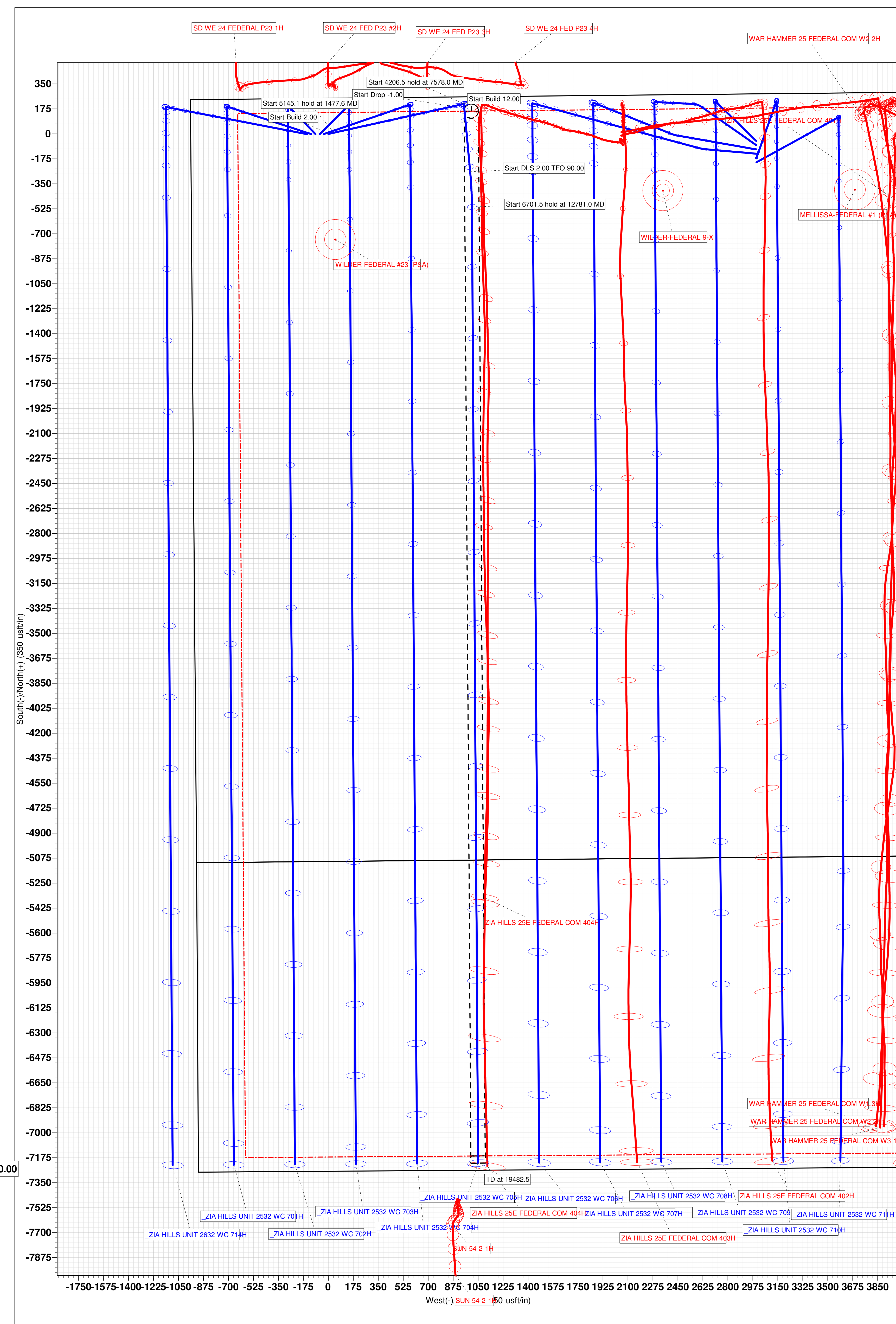
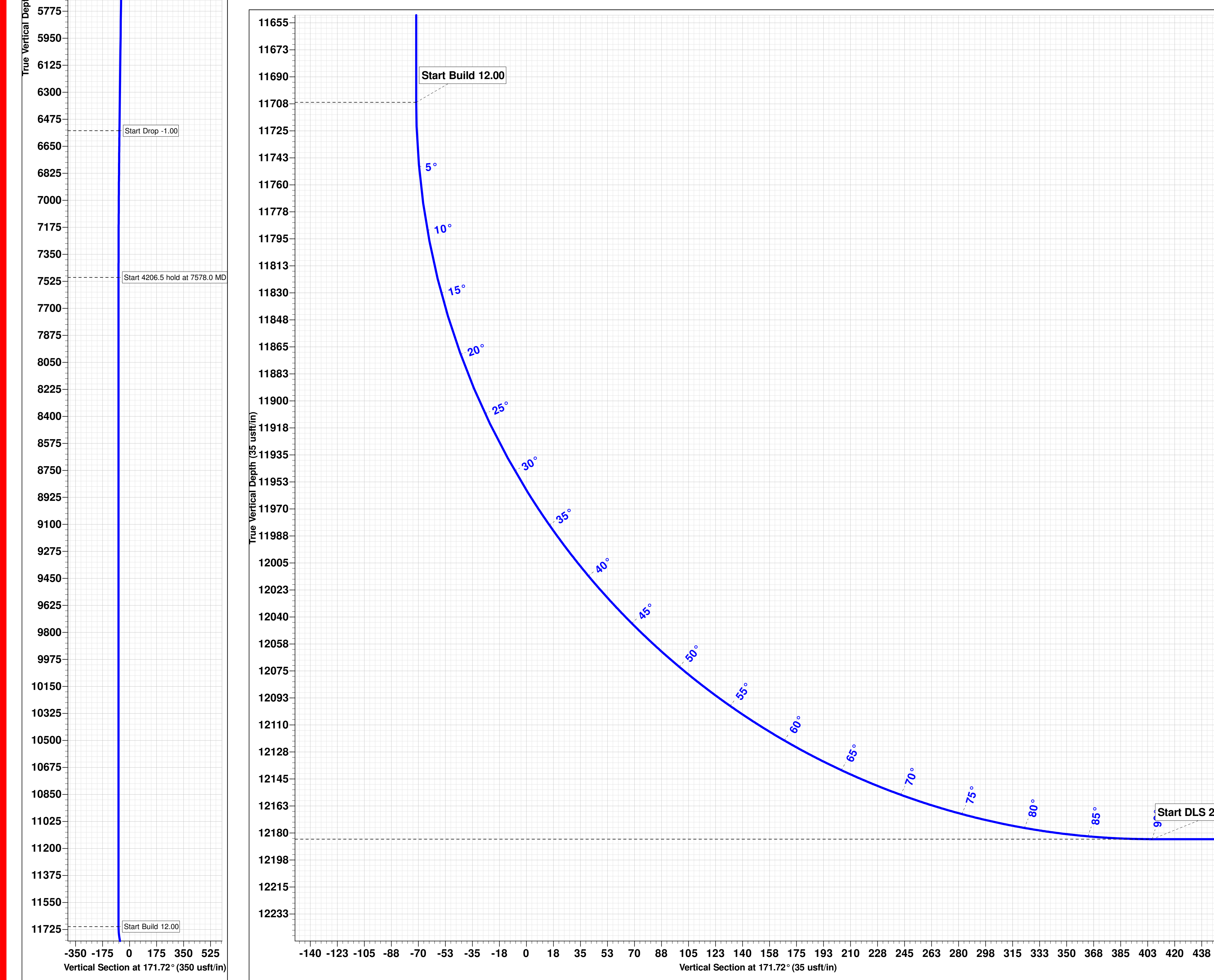
Reference Depths are relative to WELL @ 3135.0usft (Original Well Ele
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UN
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.37°





SECTION DETAILS									
	MD	Inc	Azi	TVD	+N/-S	+E/-W	Oleg	TFace	VSECT
	0.0	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
	1477.6	9.55	77.51	1475.4	8.6	38.8	2.00	77.51	-2.9
	6622.7	9.55	77.51	6549.2	193.2	872.4	0.00	0.00	-65.6
	7578.0	0.00	0.00	7500.0	210.4	950.0	1.00	180.00	-71.4
	11784.5	0.00	0.00	11705.5	210.4	950.0	0.00	0.00	-71.4
	12534.5	90.00	174.70	12184.0	-265.0	994.1	12.00	174.70	405.4
	12781.0	90.00	179.63	12184.0	-511.1	1006.3	2.00	90.00	650.7
	19482.5	90.00	179.63	12184.0	-721.5	1049.6	0.00	0.00	7288.5



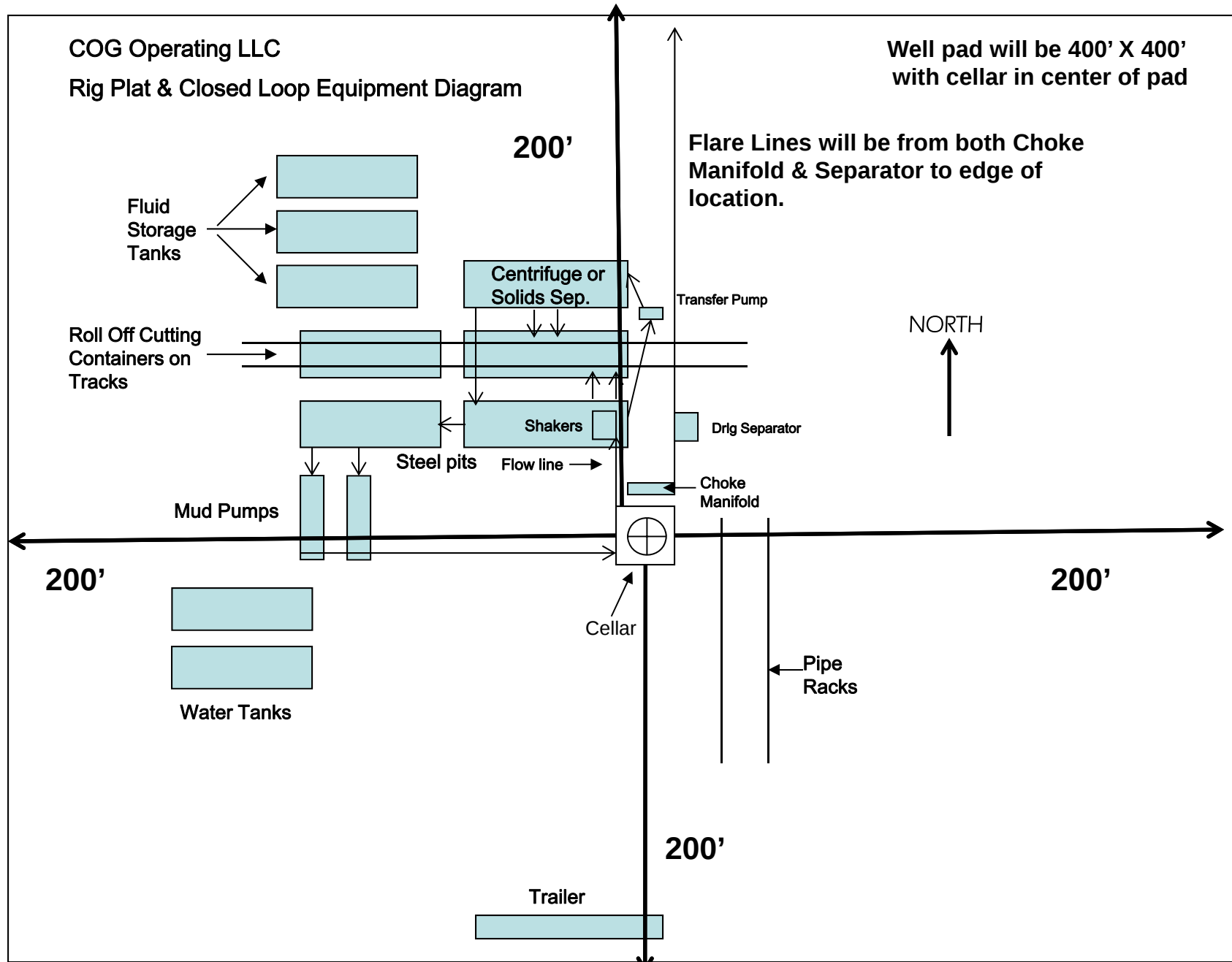


Exhibit 1

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description Effective May 25, 2021

I. Operator: ConocoPhillips Company

OGRID: 217817

Date: 01/28/2025

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 2532 WC 701H	30-025-	D-25-26S-32E	250 FNL & 845 FWL	± 742	± 1956	± 1707
Zia Hills Unit 2532 WC 702H	30-025-	D-25-26S-32E	250 FNL & 875 FWL	± 742	± 1956	± 1707
Zia Hills Unit 2532 WC 703H	30-025-	D-25-26S-32E	250 FNL & 905 FWL	± 742	± 1956	± 1707
Zia Hills Unit 2532 WC 704H	30-025-	D-25-26S-32E	250 FNL & 935 FWL	± 742	± 1956	± 1707
Zia Hills Unit 2532 WC 705H	30-025-	D-25-26S-32E	250 FNL & 965 FWL	± 742	± 1956	± 1707
Zia Hills Unit 2632 WC 714H	30-025-	D-25-26S-32E	250 FNL & 815 FWL	± 742	± 1956	± 1707

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 2532 WC	Pending	± 9/1/2026	± 25 days from spud	TBD	TBD	TBD
701H, 702H, 703H, 704H, 705H, 2632-714H						

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

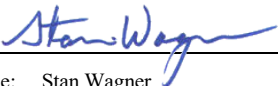
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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: 01/28/2025
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

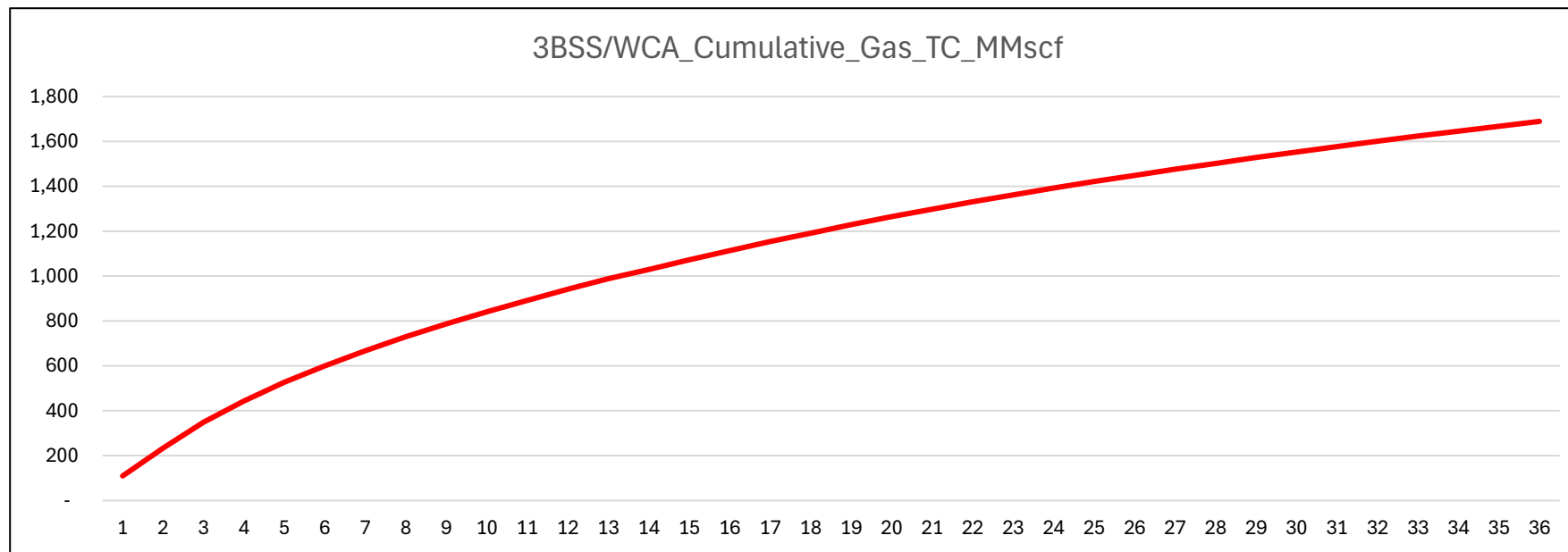
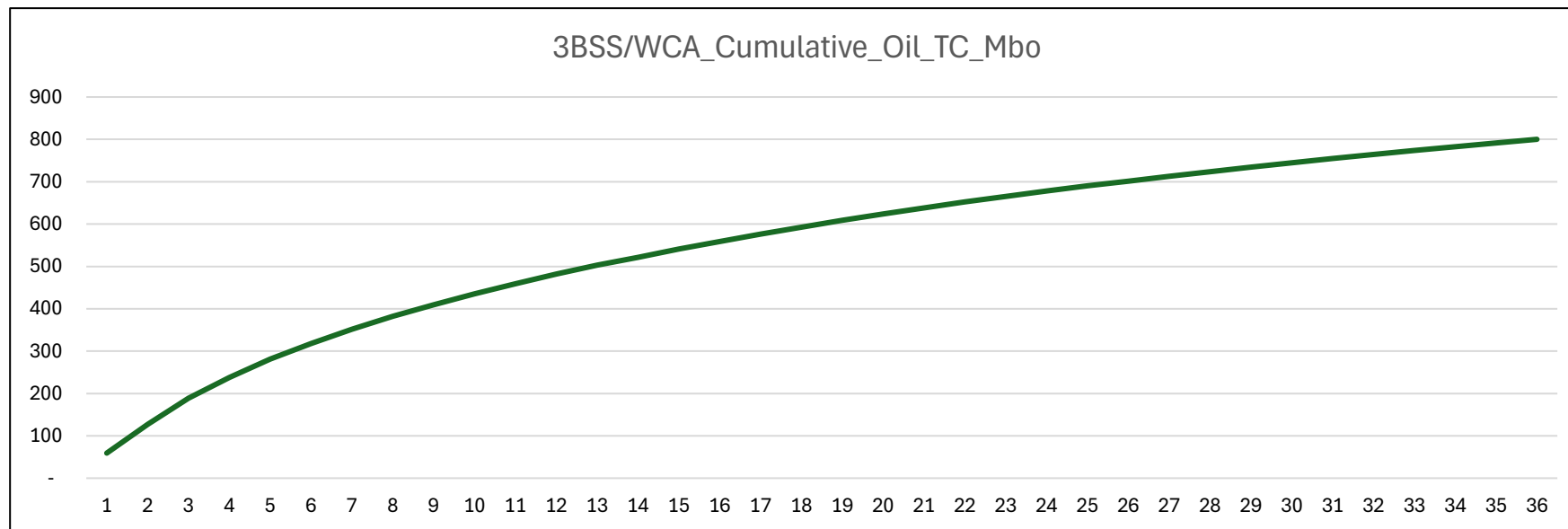
- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared.
- During completions and production operations Operator will minimize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

Waste Minimization Plan

Per § 3162.3-1 Drilling applications and plans. Part J:

- (1) The anticipated initial oil production rate from the oil well and the anticipated production decline over the first 3 years of production.
 - a. See attached Anticipated Production & Decline Curve
- (2) The anticipated initial oil-well gas production rate from the oil well and the anticipated production decline over the first 3 years of production.
 - a. See attached Anticipated Production & Decline Curve
- (3) Certification that the operator has a valid, executed gas sales contract to sell to a purchaser 100 percent of the produced oil-well gas, less gas anticipated for use on-lease pursuant to 43 CFR subpart 3178.
 - a. See attached NMOCD – Natural Gas Management Plan
- (4) Any other information demonstrating the operator's plans to avoid the waste of gas production from any source, including, as appropriate, from pneumatic equipment, storage tanks, and leaks.
 - a. This location will comply with NSPS OOOOb which will include reduced associated gas flaring, non-emitting pneumatic equipment, storage tanks that are controlled and a rigorous leak detection and repair program. In addition, this facility complies with 20.2.50 NMAC (Ozone Precursor Pollutants) which also imposes standards on pneumatic equipment, tank controls, and leak detection and repair. Finally, this facility must comply with 19.15.27 NMAC (Venting and Flaring of Natural Gas) which significantly reduces instances of flaring.

Anticipated Production Decline Curve



DELAWARE BASIN EAST

ZIA HILLS UNIT AREA

ZIA HILLS UNIT 2532 PROJECT

_ZIA HILLS UNIT 2532 WC 705H

OWB

PWP0

Anticollision Report

18 July, 2024

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
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Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Max. Cent. Dist. of 1,000.0usft or Max. SF of 2	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	7/18/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	19,482.5	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	

Summary						
	Reference	Offset	Distance			Warning
Site Name	Measured	Measured	Between	Between	Separation	
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor	
	(usft)	(usft)	(usft)	(usft)		
RED HILLS WEST						
SD WE 24 FED P23 #2H - OWB - AWP	2,661.1	2,698.1	370.8	349.2	17.152 CC, ES	
SD WE 24 FED P23 #2H - OWB - AWP	3,700.0	3,732.9	450.1	423.1	16.688 SF	
SD WE 24 FED P23 3H - OWB - AWP	5,856.0	5,843.3	195.1	163.5	6.159 CC	
SD WE 24 FED P23 3H - OWB - AWP	5,900.0	5,886.7	195.3	163.4	6.124 ES	
SD WE 24 FED P23 3H - OWB - AWP	8,600.0	8,559.1	285.4	236.0	5.773 SF	
SD WE 24 FED P23 4H - OWB - AWP	8,472.3	8,508.8	422.7	358.0	6.540 CC	
SD WE 24 FED P23 4H - OWB - AWP	8,500.0	8,533.9	422.8	357.8	6.510 ES	
SD WE 24 FED P23 4H - OWB - AWP	8,600.0	8,624.3	424.5	358.5	6.431 SF	
SD WE 24 FEDERAL P23 1H - OWB - AWP	2,404.4	2,431.9	436.4	421.7	29.739 CC, ES	
SD WE 24 FEDERAL P23 1H - OWB - AWP	4,000.0	3,960.9	629.0	600.2	21.865 SF	
STATE LINE OFFSETS						
SUN 54-2 1H - OWB - AWP	19,482.5	11,780.0	602.5	525.3	7.803 CC, ES, SF	
SUN 54-2 1H - ST01 - ST01 AWP	19,482.5	11,897.7	602.0	528.9	8.236 CC, ES, SF	

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 2532 PROJECT						
_ZIA HILLS UNIT 2532 WC 701H - OWB - PWP0	1,000.0	1,000.0	120.0	111.8	14.666 CC, ES	
_ZIA HILLS UNIT 2532 WC 701H - OWB - PWP0	1,100.0	1,096.1	123.3	114.5	14.053 SF	
_ZIA HILLS UNIT 2532 WC 702H - OWB - PWP0	1,000.0	1,000.0	89.9	81.7	10.985 CC, ES	
_ZIA HILLS UNIT 2532 WC 702H - OWB - PWP0	1,100.0	1,097.8	92.8	84.0	10.621 SF	
_ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0	1,000.0	1,000.0	60.0	51.8	7.333 CC	
_ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0	1,100.0	1,101.5	60.4	51.7	6.911 ES	
_ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0	19,482.5	19,418.6	856.0	708.1	5.788 SF	
_ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0	1,970.1	1,975.4	25.9	13.6	2.106 Caution - Monitor Closely, CC, ES	
_ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0	2,000.0	2,005.2	25.9	13.6	2.105 Caution - Monitor Closely, SF	
_ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0	12,780.9	13,075.1	465.3	395.8	6.696 CC	
_ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0	19,482.5	19,776.5	465.5	310.7	3.008 ES, SF	
_ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0	12,780.9	12,823.3	855.8	792.2	13.458 CC	
_ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0	19,482.5	19,524.6	856.0	703.5	5.612 ES, SF	
_ZIA HILLS UNIT 2532 WC 708H - OWB - PWP0					Out of range	
_ZIA HILLS UNIT 2532 WC 709H - OWB - PWP0					Out of range	
_ZIA HILLS UNIT 2532 WC 710H - OWB - PWP0					Out of range	
_ZIA HILLS UNIT 2532 WC 711H - OWB - PWP0					Out of range	
_ZIA HILLS UNIT 2632 WC 714H - OWB - PWP0	1,000.0	1,000.0	149.7	141.5	18.298 CC, ES	
_ZIA HILLS UNIT 2632 WC 714H - OWB - PWP0	1,200.0	1,189.4	163.0	153.7	17.432 SF	
MELLISSA-FEDERAL #1 (P&A) - OWB - AWP					Out of range	
WAR HAMMER 25 FEDERAL COM W1 3H - OWB - AW					Out of range	
WAR HAMMER 25 FEDERAL COM W2 2H - OWB - AW					Out of range	
WAR HAMMER 25 FEDERAL COM W2 2H - ST01 - ST0					Out of range	
WAR HAMMER 25 FEDERAL COM W3 1H - OWB - AW					Out of range	
WILDER-FEDERAL #15 (P&A) - OWB - AWP					Out of range	
WILDER-FEDERAL #23 (P&A) - OWB - AWP	752.1	750.3	738.1	705.6	22.709 CC	
WILDER-FEDERAL #23 (P&A) - OWB - AWP	1,800.0	1,789.1	757.9	682.1	9.993 ES	
WILDER-FEDERAL #23 (P&A) - OWB - AWP	4,600.0	4,555.4	993.1	800.9	5.167 SF	
WILDER-FEDERAL 9-X - OWB - AWP					Out of range	
ZIA HILLS 25E FEDERAL COM 401H - OWB - AWP					Out of range	
ZIA HILLS 25E FEDERAL COM 402H - OWB - AWP					Out of range	
ZIA HILLS 25E FEDERAL COM 403H - OWB - AWP					Out of range	
ZIA HILLS 25E FEDERAL COM 404H - OWB - AWP	10,057.6	10,070.5	125.0	55.0	1.787 Caution - Monitor Closely, CC, ES, SF	
ZIA HILLS 25E FEDERAL COM 404H - ST01 - ST01 AW	10,100.0	10,116.0	125.2	55.7	1.801 Caution - Monitor Closely, CC, ES, SF	

Offset Design:	RED HILLS WEST - SD WE 24 FED P23 #2H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program:	125-r.5 MWD												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		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)	No-Go Distance (usft)	Separation Factor	Warning	
0.0	0.0	28.9	28.9	0.0	3.0	33.62	513.5	341.4	616.6	611.9	4.67	132.023		
100.0	100.0	125.0	125.0	1.2	3.1	33.65	514.0	342.2	617.5	612.4	5.10	121.098		
200.0	200.0	217.8	217.8	1.7	3.2	33.70	515.2	343.6	619.4	613.8	5.55	111.531		
300.0	300.0	317.3	317.3	2.1	3.4	33.78	516.5	345.5	621.6	615.5	6.11	101.761		
400.0	400.0	419.0	418.9	2.4	3.7	33.83	518.0	347.2	623.7	617.0	6.66	93.659		
500.0	500.0	519.8	519.7	2.7	4.2	33.89	519.2	348.8	625.5	618.1	7.44	84.103		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 #2H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 125-r.5 MWD													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
600.0	600.0	620.1	620.0	3.0	4.8	34.02	519.9	350.9	627.3	619.0	8.34	75.197		
700.0	700.0	723.4	723.2	3.2	5.0	34.18	520.2	353.3	628.9	620.1	8.77	71.737		
800.0	800.0	834.2	834.0	3.5	5.7	34.33	519.8	355.0	629.4	619.8	9.68	65.018		
900.0	900.0	954.0	953.8	3.7	9.0	34.22	518.4	352.6	627.4	615.4	11.97	52.423		
1,000.0	1,000.0	1,076.3	1,075.8	3.9	10.0	33.81	515.5	345.2	622.0	609.0	12.97	47.974		
1,100.0	1,100.0	1,195.1	1,194.0	4.2	10.3	-44.53	509.9	334.5	611.8	598.1	13.70	44.672		
1,200.0	1,199.8	1,304.2	1,302.2	4.5	10.5	-45.79	503.4	322.1	597.0	582.8	14.22	41.983		
1,300.0	1,299.5	1,406.6	1,403.5	4.9	10.7	-47.50	496.8	308.6	578.6	563.9	14.75	39.227		
1,400.0	1,398.7	1,504.4	1,500.1	5.2	10.9	-49.68	490.6	294.6	557.9	542.6	15.29	36.482		
1,477.6	1,475.4	1,580.4	1,575.1	5.4	11.1	-51.75	485.9	283.2	540.6	524.9	15.71	34.416		
1,500.0	1,497.5	1,602.3	1,596.7	5.4	11.1	-52.31	484.4	279.9	535.5	519.6	15.82	33.851		
1,600.0	1,596.1	1,700.3	1,693.3	5.7	11.3	-54.90	477.4	265.5	512.7	496.3	16.38	31.296		
1,700.0	1,694.7	1,795.0	1,786.8	6.0	11.5	-57.57	470.2	251.9	490.7	473.8	16.95	28.948		
1,800.0	1,793.3	1,889.9	1,880.5	6.4	11.7	-60.42	462.7	238.6	469.9	452.4	17.51	26.827		
1,900.0	1,891.9	1,984.4	1,973.8	6.7	11.9	-63.49	455.3	225.4	450.3	432.2	18.08	24.910		
2,000.0	1,990.5	2,079.5	2,067.6	7.1	12.1	-66.85	447.9	212.0	432.3	413.6	18.63	23.208		
2,100.0	2,089.2	2,176.2	2,163.1	7.4	12.3	-70.52	440.1	198.5	415.6	396.4	19.16	21.692		
2,200.0	2,187.8	2,269.5	2,255.1	7.8	12.6	-74.29	432.2	185.5	400.5	380.8	19.66	20.367		
2,300.0	2,286.4	2,358.4	2,342.8	8.2	12.8	-78.18	425.8	172.8	388.6	368.4	20.14	19.297		
2,400.0	2,385.0	2,450.3	2,433.6	8.6	13.0	-82.45	420.5	159.2	380.3	359.7	20.58	18.482		
2,500.0	2,483.6	2,546.1	2,528.2	8.9	13.2	-87.04	414.8	145.0	374.6	353.6	20.99	17.843		
2,600.0	2,582.2	2,640.7	2,621.6	9.3	13.4	-91.67	409.1	131.1	371.3	349.9	21.38	17.365		
2,661.1	2,642.4	2,698.1	2,678.2	9.6	13.5	-94.47	405.8	122.8	370.8	349.2	21.62	17.152 CC, ES		
2,700.0	2,680.8	2,734.7	2,714.4	9.7	13.6	-96.26	403.7	117.5	371.0	349.2	21.77	17.045		
2,800.0	2,779.5	2,828.7	2,807.4	10.2	13.8	-100.76	398.7	104.3	373.6	351.4	22.15	16.866		
2,900.0	2,878.1	2,923.2	2,900.9	10.6	14.0	-105.06	394.2	91.7	378.9	356.3	22.55	16.798		
3,000.0	2,976.7	3,020.0	2,996.8	11.0	14.3	-109.23	389.9	79.5	386.4	363.4	22.99	16.805		
3,100.0	3,075.3	3,117.5	3,093.5	11.4	14.5	-113.24	385.4	67.6	395.5	372.0	23.48	16.847		
3,200.0	3,173.9	3,220.5	3,195.7	11.8	14.7	-117.17	380.1	56.3	405.5	381.5	24.01	16.888		
3,300.0	3,272.5	3,324.6	3,299.2	12.2	15.0	-120.81	374.0	47.0	415.3	390.7	24.58	16.898		
3,400.0	3,371.1	3,429.5	3,403.6	12.7	15.2	-124.27	366.6	39.2	424.6	399.4	25.21	16.844		
3,500.0	3,469.7	3,534.3	3,507.9	13.1	15.5	-127.52	358.2	33.1	433.5	407.7	25.80	16.799		
3,600.0	3,568.4	3,640.1	3,613.3	13.5	15.8	-130.37	350.2	30.1	441.6	415.2	26.39	16.736		
3,700.0	3,667.0	3,732.9	3,706.0	13.9	16.0	-132.44	345.2	29.3	450.1	423.1	26.97	16.688 SF		
3,800.0	3,765.6	3,826.0	3,799.0	14.4	16.3	-134.02	343.6	29.4	460.5	432.9	27.54	16.718		
3,900.0	3,864.2	3,929.9	3,903.0	14.8	16.4	-135.52	343.1	30.4	471.2	443.2	28.02	16.819		
4,000.0	3,962.8	4,033.3	4,006.3	15.2	16.5	-137.03	341.4	32.0	481.1	452.6	28.50	16.878		
4,100.0	4,061.4	4,133.6	4,106.6	15.7	16.7	-138.49	339.1	33.9	490.7	461.7	29.00	16.924		
4,200.0	4,160.0	4,236.1	4,209.0	16.1	16.9	-139.93	336.4	36.1	500.2	470.7	29.50	16.956		
4,300.0	4,258.7	4,340.5	4,313.3	16.5	17.0	-141.37	333.0	39.2	509.0	479.0	30.02	16.956		
4,400.0	4,357.3	4,439.1	4,411.8	17.0	17.2	-142.70	329.4	42.6	517.5	486.9	30.57	16.927		
4,500.0	4,455.9	4,536.5	4,509.1	17.4	17.4	-143.96	326.1	45.8	526.5	495.3	31.13	16.912		
4,600.0	4,554.5	4,633.5	4,606.0	17.8	17.6	-145.16	322.9	48.7	536.0	504.4	31.66	16.931		
4,700.0	4,653.1	4,725.7	4,698.1	18.3	17.7	-146.26	320.1	51.1	546.3	514.1	32.18	16.975		
4,800.0	4,751.7	4,806.5	4,778.9	18.7	17.8	-147.11	319.2	51.3	559.5	526.8	32.68	17.124		
4,900.0	4,850.3	4,905.1	4,877.5	19.2	17.9	-148.03	319.2	50.7	574.1	540.9	33.24	17.270		
5,000.0	4,948.9	4,999.6	4,972.0	19.6	17.9	-148.72	320.8	50.2	589.4	555.6	33.80	17.437		
5,100.0	5,047.6	5,098.4	5,070.7	20.0	17.9	-149.32	323.4	49.6	605.0	570.6	34.41	17.584		
5,200.0	5,146.2	5,196.4	5,168.6	20.5	17.9	-149.85	326.2	49.2	620.7	585.7	35.01	17.729		
5,300.0	5,244.8	5,293.5	5,265.7	20.9	17.9	-150.38	328.8	48.5	636.6	601.0	35.61	17.875		
5,400.0	5,343.4	5,391.1	5,363.4	21.4	17.9	-150.91	331.3	47.5	652.8	616.5	36.23	18.016		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 #2H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 125-r.5 MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,500.0	5,442.0	5,489.1	5,461.3	21.8	17.9	-151.42	333.6	46.5	669.0	632.2	36.86	18.151	
5,600.0	5,540.6	5,586.3	5,558.4	22.3	18.0	-151.92	335.9	45.2	685.5	648.0	37.50	18.281	
5,700.0	5,639.2	5,683.3	5,655.4	22.7	18.0	-152.42	337.9	43.7	702.2	664.1	38.14	18.412	
5,800.0	5,737.9	5,782.6	5,754.7	23.1	18.1	-152.90	340.1	42.2	719.0	680.2	38.80	18.533	
5,900.0	5,836.5	5,881.7	5,853.7	23.6	18.1	-153.34	342.5	40.9	735.8	696.3	39.45	18.650	
6,000.0	5,935.1	5,979.5	5,951.5	24.0	18.2	-153.73	345.0	39.6	752.5	712.5	40.09	18.771	
6,100.0	6,033.7	6,080.6	6,052.5	24.5	18.2	-154.12	347.6	38.2	769.4	728.6	40.75	18.881	
6,200.0	6,132.3	6,185.9	6,157.8	24.9	18.3	-154.62	348.8	37.3	785.5	744.0	41.44	18.953	
6,300.0	6,230.9	6,283.1	6,255.1	25.4	18.5	-155.15	348.5	36.5	801.2	759.1	42.12	19.021	
6,400.0	6,329.5	6,377.6	6,349.5	25.8	18.7	-155.66	348.2	35.4	817.4	774.6	42.79	19.103	
6,500.0	6,428.1	6,478.1	6,450.0	26.3	18.9	-156.18	347.9	34.1	833.9	790.4	43.50	19.168	
6,600.0	6,526.8	6,578.9	6,550.8	26.7	19.1	-156.66	347.8	33.1	850.0	805.8	44.21	19.225	
6,622.7	6,549.2	6,600.8	6,572.7	26.8	19.1	-156.76	347.8	32.9	853.7	809.3	44.36	19.242	
6,700.0	6,625.5	6,675.4	6,647.3	27.1	19.3	-157.13	347.8	32.2	865.8	820.9	44.89	19.288	
6,800.0	6,724.4	6,772.6	6,744.5	27.6	19.5	-157.55	347.9	31.0	880.2	834.7	45.55	19.322	
6,900.0	6,823.6	6,871.1	6,843.0	28.0	19.7	-157.93	347.8	29.8	893.2	847.0	46.22	19.327	
7,000.0	6,923.0	6,969.6	6,941.5	28.4	19.9	-158.26	347.5	28.4	904.7	857.8	46.86	19.306	
7,100.0	7,022.6	7,068.2	7,040.1	28.8	20.1	-158.53	347.5	26.9	914.7	867.2	47.48	19.264	
7,200.0	7,122.3	7,166.3	7,138.1	29.2	20.4	-158.73	347.7	25.4	923.2	875.1	48.08	19.202	
7,300.0	7,222.1	7,264.1	7,236.0	29.5	20.6	-158.89	347.7	23.7	930.3	881.6	48.64	19.124	
7,400.0	7,322.1	7,364.3	7,336.2	29.8	20.8	-159.02	347.7	21.9	935.8	886.6	49.19	19.023	
7,500.0	7,422.0	7,465.1	7,436.9	30.1	21.1	-159.11	347.5	20.0	939.7	890.0	49.70	18.908	
7,578.0	7,500.0	7,545.1	7,516.9	30.2	21.2	-81.64	347.2	18.7	941.4	891.4	49.97	18.840	
7,600.0	7,522.0	7,567.7	7,539.5	30.2	21.3	-81.65	347.1	18.3	941.7	891.7	50.02	18.829	
7,700.0	7,622.0	7,668.9	7,640.7	30.3	21.5	-81.70	346.5	16.9	943.1	892.8	50.25	18.769	
7,800.0	7,722.0	7,768.2	7,740.0	30.3	21.8	-81.77	345.6	15.4	944.4	893.9	50.46	18.715	
7,900.0	7,822.0	7,866.5	7,838.2	30.3	22.0	-81.84	344.6	13.8	945.9	895.2	50.68	18.665	
8,000.0	7,922.0	7,964.0	7,935.7	30.4	22.3	-81.92	343.5	12.0	947.6	896.7	50.89	18.620	
8,100.0	8,022.0	8,063.2	8,034.9	30.4	22.5	-82.01	342.3	9.9	949.4	898.3	51.12	18.573	
8,200.0	8,122.0	8,163.0	8,134.6	30.4	22.8	-82.11	341.0	7.8	951.4	900.0	51.35	18.526	
8,300.0	8,222.0	8,266.4	8,238.0	30.4	23.0	-82.23	339.3	5.8	953.1	901.5	51.58	18.478	
8,400.0	8,322.0	8,368.8	8,340.4	30.5	23.2	-82.38	336.9	4.0	954.5	902.7	51.81	18.425	
8,500.0	8,422.0	8,470.4	8,442.0	30.5	23.5	-82.53	334.7	2.4	955.8	903.8	52.03	18.371	
8,600.0	8,522.0	8,556.8	8,528.3	30.5	23.6	-82.50	335.4	1.0	957.5	905.4	52.11	18.374	
8,700.0	8,622.0	8,633.2	8,603.6	30.6	23.6	-81.77	347.9	0.0	961.2	909.3	51.95	18.502	
8,800.0	8,722.0	8,701.7	8,668.0	30.6	23.5	-80.44	370.6	-1.1	968.2	916.7	51.57	18.775	
8,900.0	8,822.0	8,769.2	8,727.3	30.6	23.5	-78.56	402.9	-1.5	978.9	927.9	51.01	19.192	
9,000.0	8,922.0	8,827.5	8,775.4	30.7	23.4	-76.68	435.8	-1.9	994.2	943.9	50.32	19.759	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 3H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 66-r-5 MWD		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
0.0	0.0	25.4	25.4	0.0	3.0	35.45	514.4	366.3	631.5	626.9	4.67	135.352		
100.0	100.0	124.6	124.6	1.2	3.1	35.43	514.5	366.0	631.5	626.3	5.13	123.112		
200.0	200.0	222.7	222.7	1.7	3.3	35.38	515.0	365.8	631.7	626.0	5.67	111.445		
300.0	300.0	325.5	325.5	2.1	3.5	35.37	515.3	365.8	631.9	625.7	6.16	102.643		
400.0	400.0	430.2	430.2	2.4	3.8	35.36	514.9	365.4	631.4	624.6	6.82	92.572		
500.0	500.0	533.7	533.7	2.7	4.0	35.37	513.9	364.9	630.3	623.1	7.26	86.826		
600.0	600.0	638.6	638.6	3.0	4.2	35.43	512.0	364.3	628.5	620.8	7.68	81.867		
700.0	700.0	739.3	739.3	3.2	4.5	35.50	509.8	363.6	626.3	618.1	8.20	76.366		
800.0	800.0	850.8	850.6	3.5	5.3	35.71	505.6	363.4	623.1	613.9	9.29	67.042		
900.0	900.0	946.3	946.0	3.7	6.0	36.04	500.2	363.9	618.9	608.6	10.32	59.951		
1,000.0	1,000.0	1,033.0	1,032.5	3.9	6.8	36.48	495.8	366.6	616.6	605.2	11.37	54.225		
1,100.0	1,100.0	1,119.0	1,118.3	4.2	7.4	-40.57	492.0	371.5	615.2	603.0	12.25	50.235		
1,200.0	1,199.8	1,204.6	1,203.6	4.5	7.8	-40.21	489.4	378.2	613.5	600.6	12.87	47.671		
1,300.0	1,299.5	1,295.6	1,294.2	4.9	8.1	-39.95	487.6	387.2	611.3	597.8	13.43	45.501		
1,400.0	1,398.7	1,394.6	1,392.5	5.2	8.4	-39.71	484.9	398.9	606.9	593.0	13.92	43.595		
1,477.6	1,475.4	1,471.6	1,468.7	5.4	8.6	-39.56	482.0	409.0	601.8	587.6	14.27	42.179		
1,500.0	1,497.5	1,493.8	1,490.7	5.4	8.6	-39.51	481.2	412.0	600.1	585.8	14.35	41.811		
1,600.0	1,596.1	1,593.2	1,589.1	5.7	8.9	-39.26	477.3	425.5	592.6	577.8	14.84	39.940		
1,700.0	1,694.7	1,692.7	1,687.5	6.0	9.1	-38.99	473.3	439.2	585.1	569.8	15.32	38.202		
1,800.0	1,793.3	1,792.2	1,786.0	6.4	9.4	-38.68	469.1	453.1	577.7	561.8	15.82	36.522		
1,900.0	1,891.9	1,892.4	1,885.1	6.7	9.6	-38.33	464.7	467.3	570.2	553.9	16.31	34.952		
2,000.0	1,990.5	1,992.6	1,984.1	7.1	9.9	-37.93	459.9	481.9	562.7	545.8	16.88	33.339		
2,100.0	2,089.2	2,092.8	2,083.2	7.4	10.2	-37.61	455.7	495.6	555.1	537.6	17.42	31.861		
2,200.0	2,187.8	2,193.0	2,182.6	7.8	10.5	-37.43	452.3	508.2	547.4	529.4	17.96	30.473		
2,300.0	2,286.4	2,293.0	2,281.8	8.2	10.9	-37.24	448.8	520.8	539.6	521.1	18.52	29.144		
2,400.0	2,385.0	2,392.4	2,380.3	8.6	11.3	-37.03	445.2	533.4	531.8	512.8	19.08	27.876		
2,500.0	2,483.6	2,491.5	2,478.5	8.9	11.6	-36.79	441.6	546.2	524.2	504.5	19.65	26.678		
2,600.0	2,582.2	2,594.6	2,580.5	9.3	12.0	-36.45	437.1	559.9	516.3	496.0	20.25	25.495		
2,700.0	2,680.8	2,696.2	2,681.1	9.7	12.4	-35.94	431.2	574.0	507.7	486.9	20.86	24.338		
2,800.0	2,779.5	2,793.2	2,776.9	10.2	12.8	-35.39	425.5	587.9	499.4	477.9	21.48	23.252		
2,900.0	2,878.1	2,892.6	2,875.0	10.6	13.2	-34.82	419.9	602.3	491.5	469.4	22.11	22.229		
3,000.0	2,976.7	2,995.2	2,976.4	11.0	13.7	-34.21	413.9	616.9	483.2	460.4	22.76	21.227		
3,100.0	3,075.3	3,097.1	3,077.1	11.4	14.1	-33.57	407.3	631.1	474.4	451.0	23.43	20.249		
3,200.0	3,173.9	3,198.6	3,177.4	11.8	14.5	-32.84	400.2	645.3	465.2	441.1	24.10	19.299		
3,300.0	3,272.5	3,308.3	3,285.9	12.2	15.0	-32.13	392.0	659.0	454.8	430.0	24.78	18.355		
3,400.0	3,371.1	3,416.3	3,393.1	12.7	15.5	-31.70	383.9	669.0	442.1	416.7	25.40	17.403		
3,500.0	3,469.7	3,519.4	3,495.7	13.1	15.9	-31.56	376.9	676.1	428.2	402.2	25.98	16.482		
3,600.0	3,568.4	3,621.2	3,597.3	13.5	16.3	-31.71	370.8	681.0	413.3	386.8	26.50	15.596		
3,700.0	3,667.0	3,722.1	3,697.9	13.9	16.7	-32.24	366.2	683.7	398.0	371.0	26.98	14.750		
3,800.0	3,765.6	3,812.8	3,788.6	14.4	17.0	-32.94	363.4	685.6	383.3	355.7	27.57	13.899		
3,900.0	3,864.2	3,902.3	3,878.0	14.8	17.3	-33.61	361.8	689.5	371.1	342.9	28.18	13.166		
4,000.0	3,962.8	4,001.0	3,976.6	15.2	17.6	-34.37	361.1	694.8	360.5	331.8	28.69	12.564		
4,100.0	4,061.4	4,100.7	4,076.1	15.7	17.9	-35.30	360.7	699.5	349.8	320.6	29.16	11.994		
4,200.0	4,160.0	4,196.1	4,171.4	16.1	18.2	-36.22	360.7	704.6	339.7	310.1	29.63	11.465		
4,300.0	4,258.7	4,294.0	4,269.2	16.5	18.5	-37.07	360.9	711.0	330.8	300.7	30.09	10.992		
4,400.0	4,357.3	4,399.3	4,374.2	17.0	18.9	-38.07	360.4	717.2	321.0	290.5	30.52	10.518		
4,500.0	4,455.9	4,507.0	4,481.8	17.4	19.1	-39.45	359.2	720.9	309.3	278.5	30.80	10.043		
4,600.0	4,554.5	4,608.9	4,583.7	17.8	19.1	-41.57	358.3	720.2	295.5	264.6	30.87	9.572		
4,700.0	4,653.1	4,706.4	4,681.2	18.3	19.1	-43.96	357.9	718.6	281.9	250.9	30.99	9.097		
4,800.0	4,751.7	4,804.0	4,778.8	18.7	19.1	-46.59	357.7	717.3	269.2	238.1	31.09	8.659		
4,900.0	4,850.3	4,902.8	4,877.6	19.2	19.1	-49.49	357.5	715.9	257.2	226.1	31.15	8.257		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 3H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 66-r.5 MWD				Rule Assigned:									Offset Well Error: 3.0 usft	
Measured Depth (usft)	Reference Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
5,000.0	4,948.9	5,001.3	4,976.1	19.6	19.1	-52.66	357.2	714.5	245.8	214.6	31.18	7.882		
5,100.0	5,047.6	5,099.4	5,074.1	20.0	19.1	-56.09	356.9	713.2	235.2	204.0	31.18	7.543		
5,200.0	5,146.2	5,197.6	5,172.4	20.5	19.1	-59.79	356.7	712.1	225.7	194.6	31.16	7.244		
5,300.0	5,244.8	5,296.0	5,270.8	20.9	19.1	-63.79	356.5	711.0	217.3	186.2	31.12	6.982		
5,400.0	5,343.4	5,394.2	5,369.0	21.4	19.1	-68.04	356.4	710.0	210.1	179.0	31.09	6.758		
5,500.0	5,442.0	5,492.4	5,467.1	21.8	19.1	-72.53	356.3	709.1	204.2	173.2	31.08	6.572		
5,600.0	5,540.6	5,590.8	5,565.6	22.3	19.1	-77.23	356.4	708.3	199.9	168.7	31.11	6.424		
5,700.0	5,639.2	5,689.3	5,664.1	22.7	19.1	-82.08	356.4	707.6	196.9	165.7	31.23	6.304		
5,800.0	5,737.9	5,788.0	5,762.8	23.1	19.1	-87.06	356.4	706.9	195.4	163.9	31.48	6.206		
5,856.0	5,793.1	5,843.3	5,818.0	23.4	19.1	-89.88	356.3	706.4	195.1	163.5	31.68	6.159 CC		
5,900.0	5,836.5	5,886.7	5,861.5	23.6	19.1	-92.10	356.2	706.0	195.3	163.4	31.89	6.124 ES		
6,000.0	5,935.1	5,985.6	5,960.3	24.0	19.2	-97.06	356.0	705.5	196.6	164.1	32.47	6.053		
6,100.0	6,033.7	6,084.3	6,059.0	24.5	19.3	-101.85	355.7	705.2	199.2	166.0	33.21	5.997		
6,200.0	6,132.3	6,182.7	6,157.5	24.9	19.4	-106.48	355.4	704.9	203.2	169.1	34.08	5.962		
6,300.0	6,230.9	6,281.4	6,256.1	25.4	19.6	-110.94	355.1	704.5	208.5	173.4	35.05	5.949		
6,400.0	6,329.5	6,380.2	6,355.0	25.8	19.7	-115.15	354.7	704.2	214.9	178.8	36.09	5.955		
6,500.0	6,428.1	6,478.9	6,453.6	26.3	19.8	-119.13	354.2	703.9	222.4	185.2	37.18	5.980		
6,600.0	6,526.8	6,577.5	6,552.2	26.7	20.0	-122.93	353.4	703.4	230.8	192.5	38.30	6.025		
6,622.7	6,549.2	6,599.9	6,574.6	26.8	20.0	-123.76	353.2	703.2	232.8	194.3	38.55	6.040		
6,700.0	6,625.5	6,676.2	6,650.9	27.1	20.1	-126.44	352.5	702.8	239.8	200.5	39.38	6.090		
6,800.0	6,724.4	6,775.2	6,749.9	27.6	20.3	-129.42	351.5	702.2	248.6	208.2	40.39	6.155		
6,900.0	6,823.6	6,874.8	6,849.5	28.0	20.5	-131.92	350.4	701.8	256.6	215.3	41.32	6.210		
7,000.0	6,923.0	6,974.4	6,949.1	28.4	20.6	-134.00	349.2	701.4	263.7	221.5	42.18	6.251		
7,100.0	7,022.6	7,074.1	7,048.8	28.8	20.8	-135.72	347.9	701.1	269.8	226.8	42.97	6.278		
7,200.0	7,122.3	7,173.3	7,148.0	29.2	21.0	-137.13	346.5	700.7	274.8	231.1	43.66	6.294		
7,300.0	7,222.1	7,272.5	7,247.2	29.5	21.2	-138.26	345.1	700.0	278.9	234.6	44.27	6.299		
7,400.0	7,322.1	7,373.3	7,348.0	29.8	21.4	-139.16	343.5	699.4	281.7	236.9	44.85	6.281		
7,500.0	7,422.0	7,473.8	7,448.4	30.1	21.6	-139.83	341.7	698.9	282.9	237.6	45.35	6.240		
7,578.0	7,500.0	7,551.1	7,525.8	30.2	21.7	-62.66	340.4	698.6	283.1	237.5	45.59	6.209		
7,600.0	7,522.0	7,573.0	7,547.6	30.2	21.8	-62.74	340.0	698.4	283.0	237.4	45.63	6.202		
7,700.0	7,622.0	7,672.7	7,647.3	30.3	22.0	-63.07	338.5	697.8	282.9	237.1	45.84	6.171		
7,800.0	7,722.0	7,772.9	7,747.5	30.3	22.2	-63.38	337.1	697.2	282.8	236.7	46.05	6.141		
7,900.0	7,822.0	7,873.3	7,847.9	30.3	22.4	-63.68	335.7	696.7	282.6	236.3	46.27	6.107		
8,000.0	7,922.0	7,973.9	7,948.4	30.4	22.6	-64.01	334.0	696.4	282.1	235.6	46.50	6.068		
8,100.0	8,022.0	8,073.6	8,048.1	30.4	22.8	-64.34	332.4	696.1	281.7	235.0	46.72	6.030		
8,200.0	8,122.0	8,173.2	8,147.8	30.4	23.0	-64.59	331.2	695.9	281.4	234.5	46.92	5.997		
8,300.0	8,222.0	8,272.9	8,247.4	30.4	23.2	-64.83	330.0	695.5	281.2	234.1	47.11	5.969		
8,372.0	8,294.0	8,344.4	8,319.0	30.5	23.3	-65.02	329.1	695.2	281.1	233.9	47.23	5.952		
8,400.0	8,322.0	8,372.0	8,346.6	30.5	23.4	-65.10	328.7	695.0	281.1	233.9	47.25	5.949		
8,500.0	8,422.0	8,466.7	8,441.2	30.5	23.6	-65.18	328.8	694.1	282.0	233.8	48.18	5.853		
8,600.0	8,522.0	8,559.1	8,533.4	30.5	24.3	-64.21	334.4	693.3	285.4	236.0	49.43	5.773 SF		
8,700.0	8,622.0	8,630.8	8,604.0	30.6	24.4	-62.29	346.1	691.5	295.1	246.7	48.43	6.093		
8,800.0	8,722.0	8,712.5	8,681.8	30.6	24.3	-58.35	371.0	689.4	313.0	266.1	46.91	6.672		
8,900.0	8,822.0	8,789.0	8,750.7	30.6	24.2	-53.24	404.0	690.7	337.6	292.7	44.90	7.519		
9,000.0	8,922.0	8,840.5	8,793.9	30.7	24.2	-49.33	432.1	692.0	373.1	330.6	42.48	8.783		
9,100.0	9,022.0	8,894.2	8,835.8	30.7	24.2	-45.16	465.5	693.5	418.9	378.5	40.39	10.372		
9,200.0	9,122.0	8,938.7	8,868.2	30.7	24.2	-41.75	496.0	695.1	473.6	434.9	38.66	12.250		
9,300.0	9,222.0	8,966.0	8,886.8	30.8	24.2	-39.74	516.0	696.0	536.3	499.1	37.27	14.391		
9,400.0	9,322.0	9,011.0	8,915.2	30.8	24.2	-36.67	550.8	696.5	605.5	569.0	36.51	16.583		
9,500.0	9,422.0	9,029.9	8,926.2	30.8	24.3	-35.48	566.2	696.4	679.8	643.9	35.89	18.943		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	RED HILLS WEST - SD WE 24 FED P23 3H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	66-r.5 MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:									
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance				Warning
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	No-Go	Separation	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Distance	Factor	
									(usft)	(usft)	(usft)		
9,600.0	9,522.0	9,055.0	8,940.0	30.9	24.3	-34.01	587.2	695.8	758.3	722.8	35.58	21.313	
9,700.0	9,622.0	9,071.2	8,948.2	30.9	24.3	-33.10	601.1	695.4	840.1	804.7	35.43	23.714	
9,800.0	9,722.0	9,099.0	8,961.1	30.9	24.4	-31.53	625.7	695.2	924.7	889.2	35.47	26.069	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot
Project:	ZIA HILLS UNIT AREA	TVD Reference:	ZIA HILLS UNIT2532 WC 705H
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Grid
Well Error:	0.0 usft	Output errors are at	Minimum Curvature
Reference Wellbore	OWB	Database:	2.00 sigma
Reference Design:	PWP0	Offset TVD Reference:	EDT 17 Permian Prod
			Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 4H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 162-r.5 MWD												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning					
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)	No-Go Distance (usft)	Separation Factor	
0.0	0.0	29.8	29.8	0.0	3.0	37.26	514.5	391.4	646.4	641.7	4.68	138.245	
100.0	100.0	125.8	125.8	1.2	3.1	37.26	514.9	391.6	646.9	641.7	5.18	124.877	
200.0	200.0	230.1	230.1	1.7	3.3	37.22	515.6	391.7	647.5	641.9	5.65	114.522	
300.0	300.0	329.9	329.8	2.1	3.4	37.20	516.2	391.7	648.0	641.9	6.05	107.034	
400.0	400.0	429.7	429.7	2.4	3.5	37.18	516.4	391.6	648.1	641.6	6.42	101.005	
500.0	500.0	531.9	531.9	2.7	3.6	37.16	516.6	391.5	648.2	641.4	6.76	95.863	
600.0	600.0	638.1	638.1	3.0	3.8	37.14	516.1	391.0	647.5	640.3	7.23	89.535	
700.0	700.0	739.9	739.9	3.2	4.3	37.17	515.0	390.4	646.3	638.3	7.98	81.007	
800.0	800.0	838.3	838.2	3.5	4.8	37.24	513.4	390.2	644.9	636.1	8.77	73.532	
900.0	900.0	931.5	931.5	3.7	5.5	37.44	511.6	391.6	644.3	634.6	9.68	66.535	
907.0	907.0	938.1	938.0	3.7	5.5	37.45	511.4	391.8	644.3	634.5	9.75	66.063	
1,000.0	1,000.0	1,023.1	1,023.0	3.9	6.0	37.77	509.7	394.9	644.8	634.3	10.48	61.540	
1,100.0	1,100.0	1,112.7	1,112.4	4.2	6.3	-39.35	507.8	400.3	645.5	634.4	11.06	58.349	
1,200.0	1,199.8	1,206.1	1,205.4	4.5	6.7	-38.98	505.9	408.1	645.0	633.4	11.65	55.390	
1,300.0	1,299.5	1,305.1	1,304.0	4.9	7.0	-38.75	503.8	417.1	642.3	630.1	12.22	52.580	
1,400.0	1,398.7	1,400.1	1,398.5	5.2	7.4	-38.68	501.5	426.5	637.1	624.4	12.76	49.932	
1,477.6	1,475.4	1,471.6	1,469.5	5.4	7.7	-38.66	499.6	434.9	632.0	618.8	13.18	47.959	
1,500.0	1,497.5	1,492.2	1,489.9	5.4	7.8	-38.63	499.1	437.6	630.4	617.1	13.28	47.463	
1,600.0	1,596.1	1,589.7	1,586.4	5.7	8.2	-38.42	496.1	451.2	623.9	610.0	13.84	45.091	
1,700.0	1,694.7	1,690.1	1,685.7	6.0	8.5	-38.14	492.7	465.6	617.3	602.9	14.39	42.901	
1,800.0	1,793.3	1,793.5	1,787.9	6.4	8.9	-37.80	488.6	480.6	610.4	595.4	14.97	40.771	
1,900.0	1,891.9	1,894.3	1,887.6	6.7	9.3	-37.45	484.1	494.9	602.9	587.3	15.56	38.753	
2,000.0	1,990.5	1,982.4	1,974.7	7.1	9.6	-37.13	480.7	508.1	596.5	580.3	16.12	37.004	
2,100.0	2,089.2	2,073.4	2,064.4	7.4	10.0	-36.77	478.5	523.0	592.0	575.3	16.70	35.447	
2,200.0	2,187.8	2,175.7	2,165.1	7.8	10.4	-36.32	476.0	540.3	587.9	570.5	17.34	33.895	
2,300.0	2,286.4	2,277.7	2,265.6	8.2	10.8	-35.80	472.7	557.8	583.4	565.4	18.00	32.410	
2,400.0	2,385.0	2,379.5	2,365.8	8.6	11.2	-35.23	468.8	575.3	578.6	559.9	18.67	30.990	
2,500.0	2,483.6	2,473.2	2,458.0	8.9	11.6	-34.67	465.3	591.6	574.0	554.7	19.32	29.707	
2,600.0	2,582.2	2,563.8	2,547.0	9.3	12.0	-34.14	462.9	608.3	571.0	551.1	19.97	28.592	
2,700.0	2,680.8	2,653.8	2,635.4	9.7	12.3	-33.65	461.9	625.6	569.7	549.1	20.64	27.598	
2,722.5	2,703.0	2,674.1	2,655.2	9.8	12.4	-33.55	461.9	629.5	569.7	548.9	20.80	27.393	
2,800.0	2,779.5	2,743.8	2,723.6	10.2	12.7	-33.23	462.6	643.4	570.2	548.9	21.32	26.744	
2,900.0	2,878.1	2,843.5	2,821.2	10.6	13.1	-32.83	464.4	663.4	571.8	549.8	22.06	25.919	
3,000.0	2,976.7	2,946.2	2,921.8	11.0	13.5	-32.41	466.0	683.9	573.1	550.2	22.83	25.103	
3,100.0	3,075.3	3,054.8	3,028.4	11.4	14.0	-31.96	466.9	704.8	573.3	549.7	23.63	24.257	
3,200.0	3,173.9	3,161.8	3,133.7	11.8	14.5	-31.51	466.7	724.3	572.1	547.7	24.43	23.415	
3,300.0	3,272.5	3,266.6	3,236.7	12.2	14.9	-31.01	465.2	743.2	570.0	544.8	25.23	22.594	
3,400.0	3,371.1	3,374.2	3,342.5	12.7	15.4	-30.41	462.5	762.1	566.9	540.8	26.03	21.774	
3,500.0	3,469.7	3,483.2	3,449.9	13.1	15.8	-29.76	458.3	780.4	562.3	535.4	26.85	20.943	
3,600.0	3,568.4	3,596.6	3,561.9	13.5	16.3	-29.06	452.3	797.7	555.6	528.0	27.65	20.096	
3,700.0	3,667.0	3,703.8	3,667.7	13.9	16.8	-28.34	444.8	812.6	546.9	518.5	28.43	19.240	
3,800.0	3,765.6	3,805.4	3,767.9	14.4	17.2	-27.44	435.8	827.3	537.6	508.4	29.21	18.404	
3,900.0	3,864.2	3,902.6	3,863.4	14.8	17.6	-26.38	426.0	842.2	528.3	498.3	30.03	17.594	
4,000.0	3,962.8	3,998.5	3,957.6	15.2	18.0	-25.23	416.2	857.8	519.8	489.0	30.87	16.839	
4,100.0	4,061.4	4,079.1	4,036.5	15.7	18.3	-24.24	408.9	872.1	513.5	481.7	31.86	16.120	
4,200.0	4,160.0	4,159.0	4,114.6	16.1	18.7	-23.32	404.0	888.4	511.3	478.5	32.80	15.585	
4,222.4	4,182.1	4,180.0	4,135.1	16.2	18.8	-23.09	403.1	893.0	511.3	478.3	33.04	15.477	
4,300.0	4,258.7	4,250.2	4,203.4	16.5	19.1	-22.31	400.4	908.9	512.1	478.4	33.71	15.192	
4,400.0	4,357.3	4,345.2	4,295.5	17.0	19.6	-21.17	396.5	931.5	514.2	479.6	34.63	14.849	
4,500.0	4,455.9	4,448.9	4,396.2	17.4	20.0	-19.97	392.4	956.1	516.6	481.0	35.64	14.493	
4,600.0	4,554.5	4,554.5	4,499.2	17.8	20.6	-18.96	389.3	979.2	518.1	481.5	36.65	14.135	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FED P23 4H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 162-r.5 MWD													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
4,700.0	4,653.1	4,664.7	4,607.1	18.3	21.0	-18.09	386.5	1,001.1	518.1	480.5	37.62	13.772		
4,800.0	4,751.7	4,770.2	4,710.9	18.7	21.5	-17.37	383.8	1,019.9	516.5	478.0	38.54	13.401		
4,900.0	4,850.3	4,872.7	4,811.9	19.2	22.0	-16.71	381.2	1,037.5	514.3	474.9	39.45	13.038		
5,000.0	4,948.9	4,973.1	4,910.9	19.6	22.4	-16.08	378.7	1,054.3	511.8	471.5	40.34	12.689		
5,100.0	5,047.6	5,073.4	5,009.8	20.0	22.8	-15.49	376.4	1,070.8	509.4	468.1	41.23	12.354		
5,200.0	5,146.2	5,174.7	5,109.7	20.5	23.3	-14.91	374.3	1,087.2	506.7	464.6	42.12	12.029		
5,300.0	5,244.8	5,275.8	5,209.5	20.9	23.7	-14.36	372.3	1,103.3	503.9	460.9	43.02	11.713		
5,400.0	5,343.4	5,376.7	5,309.1	21.4	24.2	-13.82	370.3	1,119.0	500.8	456.9	43.91	11.406		
5,500.0	5,442.0	5,478.2	5,409.4	21.8	24.6	-13.32	368.6	1,134.4	497.6	452.8	44.80	11.106		
5,600.0	5,540.6	5,580.1	5,510.2	22.3	25.0	-12.86	367.1	1,149.4	494.0	448.3	45.69	10.812		
5,700.0	5,639.2	5,684.6	5,613.8	22.7	25.5	-12.45	365.8	1,163.8	489.8	443.2	46.56	10.518		
5,800.0	5,737.9	5,789.0	5,717.3	23.1	25.9	-12.11	364.6	1,177.0	484.6	437.1	47.42	10.217		
5,900.0	5,836.5	5,890.7	5,818.3	23.6	26.4	-11.83	363.7	1,189.1	478.7	430.5	48.27	9.918		
6,000.0	5,935.1	5,988.8	5,915.7	24.0	26.8	-11.58	362.9	1,200.5	472.7	423.6	49.12	9.624		
6,100.0	6,033.7	6,082.3	6,008.4	24.5	27.2	-11.17	361.3	1,212.8	467.7	417.7	50.00	9.354		
6,200.0	6,132.3	6,179.7	6,104.7	24.9	27.6	-10.57	358.9	1,227.1	463.9	413.0	50.91	9.112		
6,300.0	6,230.9	6,280.4	6,204.3	25.4	28.0	-9.98	356.6	1,241.8	460.1	408.3	51.83	8.878		
6,400.0	6,329.5	6,381.6	6,304.4	25.8	28.5	-9.43	354.7	1,256.1	456.2	403.4	52.74	8.649		
6,500.0	6,428.1	6,483.0	6,404.9	26.3	28.9	-8.93	353.1	1,270.0	451.9	398.2	53.65	8.422		
6,600.0	6,526.8	6,586.8	6,507.7	26.7	29.6	-8.46	351.6	1,283.5	447.0	392.2	54.82	8.155		
6,622.7	6,549.2	6,610.3	6,531.1	26.8	29.8	-8.36	351.2	1,286.4	445.8	390.7	55.08	8.094		
6,700.0	6,625.5	6,690.4	6,610.6	27.1	30.3	-7.99	349.9	1,296.1	441.9	385.9	55.97	7.894		
6,800.0	6,724.4	6,794.1	6,713.6	27.6	31.0	-7.49	348.0	1,307.8	437.5	380.4	57.12	7.659		
6,900.0	6,823.6	6,897.3	6,816.2	28.0	31.5	-6.99	346.1	1,318.5	434.1	376.1	58.06	7.477		
7,000.0	6,923.0	7,000.2	6,918.6	28.4	31.9	-6.50	344.3	1,328.4	431.8	372.9	58.86	7.335		
7,100.0	7,022.6	7,101.0	7,019.0	28.8	32.3	-6.07	342.9	1,337.5	430.7	371.1	59.65	7.221		
7,116.6	7,039.1	7,117.7	7,035.7	28.9	32.4	-6.01	342.7	1,338.9	430.7	370.9	59.77	7.205		
7,200.0	7,122.3	7,203.3	7,120.9	29.2	32.7	-5.70	342.0	1,346.3	431.2	370.8	60.40	7.139		
7,300.0	7,222.1	7,314.6	7,232.0	29.5	33.1	-5.41	341.5	1,353.7	431.7	370.7	61.05	7.071		
7,363.1	7,285.1	7,382.7	7,300.0	29.7	33.4	-5.32	341.5	1,356.7	431.6	370.2	61.43	7.027		
7,400.0	7,322.1	7,420.1	7,337.4	29.8	33.5	-5.27	341.5	1,358.2	431.7	370.1	61.66	7.002		
7,500.0	7,422.0	7,521.2	7,438.4	30.1	33.8	-5.17	341.5	1,361.9	433.0	370.8	62.23	6.958		
7,578.0	7,500.0	7,601.1	7,518.3	30.2	34.0	72.42	341.7	1,364.5	435.0	372.4	62.53	6.956		
7,600.0	7,522.0	7,624.2	7,541.4	30.2	34.1	72.44	341.8	1,365.1	435.6	373.0	62.57	6.961		
7,700.0	7,622.0	7,731.0	7,648.1	30.3	34.4	72.49	342.0	1,367.2	437.5	374.7	62.77	6.970		
7,800.0	7,722.0	7,834.5	7,751.7	30.3	34.6	72.51	342.0	1,367.8	438.0	375.0	62.96	6.956		
7,900.0	7,822.0	7,934.1	7,851.3	30.3	34.8	72.55	341.9	1,368.2	438.4	375.2	63.19	6.937		
8,000.0	7,922.0	8,052.4	7,969.5	30.4	35.0	72.47	342.0	1,366.8	437.4	373.8	63.57	6.880		
8,100.0	8,022.0	8,167.0	8,083.7	30.4	35.2	71.88	344.1	1,358.5	430.9	367.1	63.85	6.749		
8,200.0	8,122.0	8,252.0	8,168.6	30.4	35.2	71.52	345.2	1,353.3	425.5	361.3	64.24	6.624		
8,300.0	8,222.0	8,339.9	8,256.5	30.4	35.1	71.42	345.3	1,351.5	423.6	359.1	64.51	6.565		
8,400.0	8,322.0	8,438.5	8,355.1	30.5	35.0	71.41	345.2	1,350.8	422.9	358.4	64.49	6.558		
8,472.3	8,394.4	8,508.8	8,425.4	30.5	35.1	71.38	345.3	1,350.6	422.7	358.0	64.62	6.540 CC		
8,500.0	8,422.0	8,533.9	8,450.5	30.5	35.3	71.30	345.9	1,350.4	422.8	357.8	64.94	6.510 ES		
8,600.0	8,522.0	8,624.3	8,540.6	30.5	36.2	70.35	353.1	1,349.6	424.5	358.5	66.01	6.431 SF		
8,700.0	8,622.0	8,712.0	8,627.0	30.6	36.6	68.41	367.9	1,348.0	428.9	362.3	66.55	6.444		
8,800.0	8,722.0	8,800.0	8,710.6	30.6	36.6	64.94	394.6	1,344.0	437.0	370.6	66.35	6.586		
8,900.0	8,822.0	8,893.3	8,793.1	30.6	36.6	59.45	436.4	1,332.8	448.6	382.9	65.67	6.831		
9,000.0	8,922.0	8,965.2	8,851.6	30.7	36.6	54.26	475.6	1,318.6	465.3	400.5	64.70	7.191		
9,100.0	9,022.0	9,029.0	8,899.6	30.7	36.5	49.38	515.7	1,305.9	493.3	430.1	63.28	7.796		

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 2532 WC 705H - Slot
Project:	ZIA HILLS UNIT AREA	TVD Reference:	ZIA HILLS UNIT2532 WC 705H
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Grid
Well Error:	0.0 usft	Output errors are at	Minimum Curvature
Reference Wellbore	OWB	Database:	2.00 sigma
Reference Design:	PWP0	Offset TVD Reference:	EDT 17 Permian Prod
			Offset Datum

Offset Design:	RED HILLS WEST - SD WE 24 FED P23 4H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	162-r.5 MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning					
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)	No-Go Distance (usft)	Separation Factor	
9,200.0	9,122.0	9,051.7	8,915.6	30.7	36.6	47.64	531.2	1,301.8	532.0	470.5	61.51	8.649	
9,300.0	9,222.0	9,083.6	8,937.1	30.8	36.6	45.25	554.2	1,296.8	581.6	522.2	59.47	9.780	
9,400.0	9,322.0	9,117.0	8,958.1	30.8	36.7	42.84	579.8	1,292.5	640.1	582.6	57.51	11.129	
9,500.0	9,422.0	9,117.0	8,958.1	30.8	36.7	42.84	579.8	1,292.5	706.2	650.9	55.24	12.784	
9,600.0	9,522.0	9,156.2	8,980.5	30.9	36.7	40.14	611.8	1,288.4	776.8	722.8	53.93	14.403	
9,700.0	9,622.0	9,174.2	8,989.8	30.9	36.7	38.95	627.1	1,286.8	852.6	800.1	52.54	16.227	
9,800.0	9,722.0	9,206.0	9,004.7	30.9	36.8	36.95	655.1	1,284.4	932.5	880.8	51.69	18.041	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: RED HILLS WEST - SD WE 24 FEDERAL P23 1H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 80-r-5 MWD		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 3.0 usft		
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)	No-Go Distance (usft)	Separation Factor	Warning	
0.0	0.0	33.8	33.8	0.0	3.0	31.63	513.4	316.2	603.0	598.3	4.67	129.192		
100.0	100.0	150.2	150.2	1.2	3.2	31.50	512.5	314.1	601.4	596.2	5.22	115.196		
200.0	200.0	249.4	249.3	1.7	3.6	31.33	510.6	310.8	598.0	592.0	6.04	99.013		
300.0	300.0	344.2	344.1	2.1	4.1	31.12	509.6	307.6	595.4	588.5	6.92	85.977		
400.0	400.0	442.2	442.0	2.4	4.4	30.89	509.1	304.6	593.4	586.0	7.41	80.035		
500.0	500.0	546.6	546.4	2.7	4.9	30.67	508.3	301.4	591.2	583.0	8.19	72.145		
600.0	600.0	649.3	648.9	3.0	5.3	30.48	506.7	298.2	588.2	579.4	8.87	66.308		
700.0	700.0	747.9	747.5	3.2	5.6	30.41	504.5	296.2	585.3	576.0	9.30	62.911		
800.0	800.0	847.1	846.7	3.5	5.8	30.32	502.8	294.0	582.6	572.9	9.71	60.030		
900.0	900.0	952.6	952.2	3.7	6.0	30.20	500.6	291.4	579.6	569.4	10.14	57.165		
1,000.0	1,000.0	1,061.9	1,061.3	3.9	6.3	29.85	498.1	285.9	575.1	564.6	10.59	54.316		
1,100.0	1,100.0	1,166.8	1,165.8	4.2	6.6	-48.48	495.8	277.9	568.2	557.2	11.04	51.454		
1,200.0	1,199.8	1,267.8	1,266.4	4.5	6.9	-49.71	493.3	269.0	558.5	547.0	11.47	48.680		
1,300.0	1,299.5	1,361.1	1,359.3	4.9	7.2	-51.25	491.6	260.5	547.1	535.2	11.86	46.115		
1,400.0	1,398.7	1,456.0	1,453.8	5.2	7.5	-53.23	490.8	251.7	534.8	522.6	12.22	43.751		
1,477.6	1,475.4	1,531.9	1,529.4	5.4	7.7	-55.11	490.3	244.5	524.3	511.9	12.45	42.126		
1,500.0	1,497.5	1,553.3	1,550.6	5.4	7.8	-55.63	490.2	242.5	521.2	508.8	12.49	41.724		
1,600.0	1,596.1	1,651.1	1,648.0	5.7	8.1	-58.11	489.7	233.0	508.0	495.2	12.79	39.716		
1,700.0	1,694.7	1,756.2	1,752.4	6.0	8.5	-61.08	488.6	221.1	494.9	481.9	13.07	37.855		
1,800.0	1,793.3	1,864.3	1,859.3	6.4	8.9	-64.67	486.0	205.3	480.9	467.5	13.34	36.052		
1,900.0	1,891.9	1,956.6	1,950.2	6.7	9.3	-68.12	483.0	189.8	467.4	453.9	13.56	34.463		
2,000.0	1,990.5	2,046.4	2,038.7	7.1	9.6	-71.72	481.0	174.1	456.8	443.0	13.75	33.213		
2,100.0	2,089.2	2,143.3	2,134.0	7.4	10.0	-75.78	479.0	156.9	448.7	434.7	13.94	32.183		
2,200.0	2,187.8	2,240.7	2,229.8	7.8	10.4	-79.94	476.3	140.0	442.3	428.1	14.15	31.265		
2,300.0	2,286.4	2,335.1	2,322.8	8.2	10.7	-84.03	473.4	123.9	438.0	423.6	14.38	30.459		
2,400.0	2,385.0	2,427.8	2,414.1	8.6	11.1	-88.09	470.6	108.0	436.4	421.7	14.66	29.767		
2,404.4	2,389.4	2,431.9	2,418.1	8.6	11.1	-88.27	470.5	107.3	436.4	421.7	14.67	29.739 CC, ES		
2,500.0	2,483.6	2,520.1	2,505.0	8.9	11.5	-92.13	468.3	92.2	437.8	422.7	15.05	29.082		
2,600.0	2,582.2	2,614.0	2,597.6	9.3	12.0	-96.11	466.4	76.7	441.9	426.3	15.65	28.243		
2,700.0	2,680.8	2,707.7	2,690.1	9.7	12.5	-99.90	464.9	61.9	448.5	432.2	16.32	27.488		
2,800.0	2,779.5	2,801.1	2,782.5	10.2	12.9	-103.42	464.1	48.2	457.5	440.4	17.05	26.838		
2,900.0	2,878.1	2,896.4	2,876.9	10.6	13.4	-106.74	464.0	35.0	468.5	450.6	17.84	26.254		
3,000.0	2,976.7	2,993.0	2,972.6	11.0	13.9	-109.92	464.0	21.9	480.9	462.2	18.71	25.710		
3,100.0	3,075.3	3,095.0	3,073.7	11.4	14.3	-113.08	463.6	8.7	494.3	474.6	19.64	25.170		
3,200.0	3,173.9	3,200.5	3,178.6	11.8	14.8	-116.05	462.3	-3.0	507.2	486.6	20.61	24.604		
3,300.0	3,272.5	3,300.1	3,277.7	12.2	15.3	-118.71	460.2	-13.1	520.0	498.4	21.55	24.134		
3,400.0	3,371.1	3,400.5	3,377.4	12.7	15.7	-121.37	456.9	-23.8	533.3	510.8	22.53	23.668		
3,500.0	3,469.7	3,504.8	3,480.9	13.1	16.2	-124.19	451.2	-35.2	546.5	522.9	23.61	23.147		
3,600.0	3,568.4	3,604.0	3,579.2	13.5	16.7	-126.96	443.4	-46.5	559.7	535.0	24.67	22.685		
3,700.0	3,667.0	3,698.4	3,672.5	13.9	17.1	-129.60	435.0	-58.0	574.0	548.3	25.70	22.335		
3,800.0	3,765.6	3,788.6	3,761.5	14.4	17.5	-132.09	426.4	-69.8	590.1	563.3	26.74	22.069		
3,900.0	3,864.2	3,876.3	3,848.0	14.8	17.9	-134.39	418.6	-82.0	608.4	580.6	27.76	21.917		
4,000.0	3,962.8	3,960.9	3,931.4	15.2	18.3	-136.47	411.9	-94.6	629.0	600.2	28.77	21.865 SF		
4,100.0	4,061.4	4,043.1	4,012.3	15.7	18.7	-138.34	406.4	-108.0	652.3	622.6	29.75	21.928		
4,200.0	4,160.0	4,133.5	4,101.2	16.1	19.1	-140.24	401.5	-123.8	677.9	647.1	30.79	22.017		
4,300.0	4,258.7	4,234.5	4,200.6	16.5	19.6	-142.20	395.8	-140.8	703.8	671.8	31.94	22.036		
4,400.0	4,357.3	4,329.0	4,293.7	17.0	20.1	-143.89	390.4	-156.1	729.6	696.6	32.99	22.114		
4,500.0	4,455.9	4,420.6	4,383.9	17.4	20.5	-145.41	385.4	-171.1	756.3	722.3	34.00	22.242		
4,600.0	4,554.5	4,497.2	4,459.2	17.8	20.8	-146.57	381.9	-184.2	784.6	749.8	34.80	22.548		
4,700.0	4,653.1	4,581.2	4,541.8	18.3	21.2	-147.64	380.3	-200.0	815.4	779.7	35.63	22.886		
4,800.0	4,751.7	4,676.0	4,634.9	18.7	21.6	-148.71	379.4	-217.7	846.7	810.1	36.61	23.128		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	RED HILLS WEST - SD WE 24 FEDERAL P23 1H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	80-r.5 MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
4,900.0	4,850.3	4,771.1	4,728.3	19.2	22.0	-149.71	378.5	-235.3	878.1	840.5	37.61	23.348	
5,000.0	4,948.9	4,866.7	4,822.3	19.6	22.5	-150.65	377.4	-252.9	909.6	871.0	38.61	23.561	
5,100.0	5,047.6	4,962.6	4,916.6	20.0	22.9	-151.53	376.2	-270.4	941.1	901.5	39.60	23.765	
5,200.0	5,146.2	5,046.1	4,998.6	20.5	23.3	-152.26	375.1	-285.9	973.1	932.7	40.45	24.059	

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	STATE LINE OFFSETS - SUN 54-2 1H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program:	50-r.5 GYRO-NS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning					
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	No-Go Distance	Separation Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)		
19,100.0	12,184.0	11,780.0	11,776.5	74.0	41.7	25.05	-7,635.8	870.3	912.3	843.3	69.01	13.219	
19,200.0	12,184.0	11,780.0	11,776.5	74.8	41.7	25.05	-7,635.8	870.3	825.4	755.2	70.28	11.744	
19,300.0	12,184.0	11,780.0	11,776.5	75.7	41.7	25.05	-7,635.8	870.3	741.9	669.9	72.05	10.297	
19,400.0	12,184.0	11,780.0	11,776.5	76.6	41.7	25.05	-7,635.8	870.3	662.9	588.4	74.51	8.897	
19,482.5	12,184.0	11,780.0	11,776.5	77.3	41.7	25.05	-7,635.8	870.3	602.5	525.3	77.22	7.803 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	STATE LINE OFFSETS - SUN 54-2 1H - ST01 - ST01 AWP											Offset Site Error:	0.0 usft
Survey Program:	50-r.5 GYRO-NS, 11686-r.5 MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning					
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)	No-Go Distance (usft)	Separation Factor	
19,100.0	12,184.0	11,823.1	11,813.0	74.0	41.5	27.06	-7,678.3	872.3	935.2	867.1	68.10	13.734	
19,200.0	12,184.0	11,842.0	11,830.3	74.8	41.5	28.25	-7,685.9	872.2	845.4	776.5	68.94	12.262	
19,300.0	12,184.0	11,854.8	11,841.9	75.7	41.5	29.10	-7,691.4	872.3	757.2	687.1	70.11	10.800	
19,400.0	12,184.0	11,874.0	11,859.0	76.6	41.5	30.42	-7,700.2	872.4	671.2	599.6	71.61	9.373	
19,482.5	12,184.0	11,897.7	11,879.6	77.3	41.5	32.15	-7,711.7	872.8	602.0	528.9	73.09	8.236 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 701H - OWB - PWP0													Offset Site Error:	0.0 usft		
Survey Program:		0-r.5 MWD+IFR1		Reference			Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Offset Well Error:	0.0 usft
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside			Distance						Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	No-Go	Separation				
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Distance	Factor				
0.0	0.0	0.0	0.0	0.0	0.0	-90.67	-1.4	-120.0	120.0	119.5	0.48	250.295				
100.0	100.0	100.0	100.0	1.2	1.2	-90.67	-1.4	-120.0	120.0	117.1	2.87	41.860				
200.0	200.0	200.0	200.0	1.7	1.7	-90.67	-1.4	-120.0	120.0	116.1	3.86	31.061				
300.0	300.0	300.0	300.0	2.1	2.1	-90.67	-1.4	-120.0	120.0	115.4	4.63	25.899				
400.0	400.0	400.0	400.0	2.4	2.4	-90.67	-1.4	-120.0	120.0	114.7	5.29	22.698				
500.0	500.0	500.0	500.0	2.7	2.7	-90.67	-1.4	-120.0	120.0	114.1	5.87	20.456				
600.0	600.0	600.0	600.0	3.0	3.0	-90.67	-1.4	-120.0	120.0	113.6	6.39	18.769				
700.0	700.0	700.0	700.0	3.2	3.2	-90.67	-1.4	-120.0	120.0	113.1	6.88	17.438				
800.0	800.0	800.0	800.0	3.5	3.5	-90.67	-1.4	-120.0	120.0	112.7	7.34	16.351				
900.0	900.0	900.0	900.0	3.7	3.7	-90.67	-1.4	-120.0	120.0	112.2	7.77	15.442				
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.67	-1.4	-120.0	120.0	111.8	8.18	14.666 CC, ES				
1,100.0	1,100.0	1,096.1	1,096.1	4.2	4.2	-168.08	-0.9	-121.5	123.3	114.5	8.77	14.053 SF				
1,200.0	1,199.8	1,191.5	1,191.4	4.5	4.5	-167.82	0.6	-126.1	133.2	123.8	9.35	14.246				
1,300.0	1,299.5	1,285.8	1,285.3	4.9	4.8	-167.46	3.0	-133.5	149.5	139.6	9.93	15.062				
1,400.0	1,398.7	1,378.2	1,377.1	5.2	5.1	-167.05	6.4	-143.7	172.3	161.7	10.52	16.379				
1,477.6	1,475.4	1,448.4	1,446.6	5.4	5.4	-166.73	9.5	-153.3	194.2	183.3	10.92	17.782				
1,500.0	1,497.5	1,468.4	1,466.3	5.4	5.4	-166.66	10.5	-156.3	201.1	190.1	11.02	18.252				
1,600.0	1,596.1	1,556.5	1,553.1	5.7	5.7	-166.30	15.4	-171.2	233.8	222.3	11.49	20.353				
1,700.0	1,694.7	1,650.6	1,645.3	6.0	5.9	-165.91	21.1	-188.4	267.9	255.8	12.01	22.303				
1,800.0	1,793.3	1,744.6	1,737.6	6.4	6.2	-165.61	26.7	-205.6	301.9	289.3	12.60	23.966				
1,900.0	1,891.9	1,838.6	1,829.8	6.7	6.6	-165.37	32.4	-222.8	336.0	322.8	13.21	25.427				
2,000.0	1,990.5	1,932.6	1,922.0	7.1	6.9	-165.17	38.0	-240.1	370.0	356.2	13.85	26.712				
2,100.0	2,089.2	2,026.6	2,014.3	7.4	7.2	-165.00	43.7	-257.3	404.1	389.6	14.51	27.843				
2,200.0	2,187.8	2,120.6	2,106.5	7.8	7.6	-164.87	49.4	-274.5	438.2	423.0	15.19	28.842				
2,300.0	2,286.4	2,214.6	2,198.8	8.2	7.9	-164.75	55.0	-291.7	472.2	456.4	15.89	29.725				
2,400.0	2,385.0	2,308.6	2,291.0	8.6	8.3	-164.65	60.7	-308.9	506.3	489.7	16.60	30.509				
2,500.0	2,483.6	2,402.7	2,383.3	8.9	8.7	-164.56	66.3	-326.2	540.4	523.1	17.32	31.208				
2,600.0	2,582.2	2,496.7	2,475.5	9.3	9.1	-164.48	72.0	-343.4	574.5	556.4	18.05	31.832				
2,700.0	2,680.8	2,590.7	2,567.8	9.7	9.4	-164.41	77.6	-360.6	608.6	589.8	18.79	32.391				
2,800.0	2,779.5	2,684.7	2,660.0	10.2	9.8	-164.35	83.3	-377.8	642.6	623.1	19.54	32.895				
2,900.0	2,878.1	2,778.7	2,752.3	10.6	10.2	-164.29	89.0	-395.0	676.7	656.4	20.29	33.349				
3,000.0	2,976.7	2,872.7	2,844.5	11.0	10.6	-164.24	94.6	-412.2	710.8	689.7	21.05	33.760				
3,100.0	3,075.3	2,966.7	2,936.8	11.4	11.0	-164.19	100.3	-429.5	744.9	723.0	21.82	34.133				
3,200.0	3,173.9	3,060.7	3,029.0	11.8	11.4	-164.15	105.9	-446.7	778.9	756.4	22.60	34.474				
3,300.0	3,272.5	3,154.8	3,121.3	12.2	11.8	-164.11	111.6	-463.9	813.0	789.7	23.37	34.784				
3,400.0	3,371.1	3,248.8	3,213.5	12.7	12.2	-164.08	117.2	-481.1	847.1	823.0	24.16	35.069				
3,500.0	3,469.7	3,342.8	3,305.8	13.1	12.7	-164.04	122.9	-498.3	881.2	856.2	24.94	35.330				
3,600.0	3,568.4	3,436.8	3,398.0	13.5	13.1	-164.01	128.6	-515.5	915.3	889.5	25.73	35.571				
3,700.0	3,667.0	3,530.8	3,490.3	13.9	13.5	-163.98	134.2	-532.8	949.3	922.8	26.52	35.793				
3,800.0	3,765.6	3,624.8	3,582.5	14.4	13.9	-163.96	139.9	-550.0	983.4	956.1	27.32	35.998				

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 702H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning						
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre	Between	Between	No-Go	Separation			
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Distance	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
0.0	0.0	0.0	0.0	0.0	0.0	-90.71	-1.1	-89.9	89.9	89.4	0.48	187.475		
100.0	100.0	100.0	100.0	1.2	1.2	-90.71	-1.1	-89.9	89.9	87.0	2.87	31.353		
200.0	200.0	200.0	200.0	1.7	1.7	-90.71	-1.1	-89.9	89.9	86.0	3.86	23.265		
300.0	300.0	300.0	300.0	2.1	2.1	-90.71	-1.1	-89.9	89.9	85.3	4.63	19.399		
400.0	400.0	400.0	400.0	2.4	2.4	-90.71	-1.1	-89.9	89.9	84.6	5.29	17.001		
500.0	500.0	500.0	500.0	2.7	2.7	-90.71	-1.1	-89.9	89.9	84.0	5.87	15.322		
600.0	600.0	600.0	600.0	3.0	3.0	-90.71	-1.1	-89.9	89.9	83.5	6.39	14.058		
700.0	700.0	700.0	700.0	3.2	3.2	-90.71	-1.1	-89.9	89.9	83.0	6.88	13.061		
800.0	800.0	800.0	800.0	3.5	3.5	-90.71	-1.1	-89.9	89.9	82.5	7.34	12.248		
900.0	900.0	900.0	900.0	3.7	3.7	-90.71	-1.1	-89.9	89.9	82.1	7.77	11.566		
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.71	-1.1	-89.9	89.9	81.7	8.18	10.985 CC, ES		
1,100.0	1,100.0	1,097.8	1,097.8	4.2	4.2	-167.67	0.1	-91.0	92.8	84.0	8.73	10.621 SF		
1,200.0	1,199.8	1,195.1	1,194.9	4.5	4.5	-166.22	3.7	-94.5	101.5	92.2	9.27	10.940		
1,300.0	1,299.5	1,291.3	1,290.8	4.9	4.8	-164.28	9.5	-100.2	116.0	106.2	9.82	11.809		
1,400.0	1,398.7	1,386.0	1,384.8	5.2	5.2	-162.25	17.5	-108.0	136.4	126.0	10.38	13.135		
1,477.6	1,475.4	1,458.1	1,456.2	5.4	5.4	-160.76	25.1	-115.4	156.2	145.4	10.77	14.510		
1,500.0	1,497.5	1,478.7	1,476.5	5.4	5.5	-160.39	27.5	-117.7	162.5	151.6	10.86	14.965		
1,600.0	1,596.1	1,572.7	1,569.0	5.7	5.8	-158.76	39.4	-129.2	191.6	180.2	11.37	16.843		
1,700.0	1,694.7	1,668.2	1,663.0	6.0	6.1	-157.50	51.5	-141.0	221.0	209.0	11.91	18.554		
1,800.0	1,793.3	1,763.7	1,757.0	6.4	6.4	-156.54	63.7	-152.9	250.4	237.9	12.46	20.097		
1,900.0	1,891.9	1,859.2	1,850.9	6.7	6.7	-155.78	75.9	-164.7	279.9	266.9	13.03	21.475		
2,000.0	1,990.5	1,954.7	1,944.9	7.1	7.0	-155.17	88.0	-176.5	309.4	295.8	13.63	22.705		
2,100.0	2,089.2	2,050.2	2,038.9	7.4	7.4	-154.66	100.2	-188.4	339.0	324.7	14.24	23.805		
2,200.0	2,187.8	2,145.7	2,132.9	7.8	7.7	-154.24	112.4	-200.2	368.6	353.7	14.87	24.790		
2,300.0	2,286.4	2,241.2	2,226.8	8.2	8.1	-153.87	124.6	-212.0	398.2	382.6	15.51	25.677		
2,400.0	2,385.0	2,339.3	2,323.5	8.6	8.5	-153.56	137.0	-224.1	427.6	411.4	16.25	26.321		
2,500.0	2,483.6	2,441.9	2,424.7	8.9	9.0	-153.39	148.9	-235.6	455.9	438.9	17.07	26.713		
2,600.0	2,582.2	2,545.4	2,527.1	9.3	9.4	-153.36	159.5	-246.0	482.8	465.0	17.77	27.162		
2,700.0	2,680.8	2,649.8	2,630.7	9.7	9.8	-153.45	169.0	-255.2	508.1	489.6	18.48	27.494		
2,800.0	2,779.5	2,755.0	2,735.2	10.2	10.2	-153.64	177.1	-263.1	532.0	512.8	19.19	27.726		
2,900.0	2,878.1	2,860.9	2,840.7	10.6	10.6	-153.93	183.9	-269.7	554.3	534.4	19.89	27.874		
3,000.0	2,976.7	2,967.4	2,947.0	11.0	10.9	-154.31	189.3	-274.9	575.2	554.6	20.58	27.950		
3,100.0	3,075.3	3,074.6	3,054.0	11.4	11.3	-154.77	193.3	-278.8	594.5	573.2	21.26	27.968		
3,200.0	3,173.9	3,182.3	3,161.6	11.8	11.6	-155.30	195.9	-281.4	612.3	590.4	21.91	27.942		
3,300.0	3,272.5	3,290.5	3,269.8	12.2	11.9	-155.91	197.0	-282.5	628.7	606.1	22.53	27.898		
3,400.0	3,371.1	3,391.8	3,371.1	12.7	12.0	-156.53	197.1	-282.5	644.0	620.9	23.02	27.975		
3,500.0	3,469.7	3,490.4	3,469.7	13.1	12.1	-157.10	197.1	-282.5	659.3	635.7	23.50	28.047		
3,600.0	3,568.4	3,589.0	3,568.4	13.5	12.1	-157.65	197.1	-282.5	674.6	650.6	24.00	28.107		
3,700.0	3,667.0	3,687.6	3,667.0	13.9	12.2	-158.17	197.1	-282.5	690.0	665.5	24.51	28.157		
3,800.0	3,765.6	3,786.3	3,765.6	14.4	12.3	-158.67	197.1	-282.5	705.5	680.5	25.02	28.199		
3,900.0	3,864.2	3,884.9	3,864.2	14.8	12.4	-159.15	197.1	-282.5	721.0	695.4	25.54	28.232		
4,000.0	3,962.8	3,983.5	3,962.8	15.2	12.4	-159.61	197.1	-282.5	736.5	710.5	26.06	28.258		
4,100.0	4,061.4	4,082.1	4,061.4	15.7	12.5	-160.05	197.1	-282.5	752.1	725.5	26.60	28.278		
4,200.0	4,160.0	4,180.7	4,160.0	16.1	12.6	-160.47	197.1	-282.5	767.8	740.7	27.14	28.293		
4,300.0	4,258.7	4,279.3	4,258.7	16.5	12.7	-160.87	197.1	-282.5	783.5	755.8	27.68	28.303		
4,400.0	4,357.3	4,377.9	4,357.3	17.0	12.7	-161.26	197.1	-282.5	799.2	771.0	28.23	28.308		
4,500.0	4,455.9	4,476.5	4,455.9	17.4	12.8	-161.64	197.1	-282.5	814.9	786.2	28.79	28.310		
4,600.0	4,554.5	4,575.2	4,554.5	17.8	12.9	-162.00	197.1	-282.5	830.7	801.4	29.35	28.308		
4,700.0	4,653.1	4,673.8	4,653.1	18.3	13.0	-162.34	197.1	-282.5	846.6	816.6	29.91	28.303		
4,800.0	4,751.7	4,772.4	4,751.7	18.7	13.0	-162.68	197.1	-282.5	862.4	831.9	30.48	28.296		
4,900.0	4,850.3	4,871.0	4,850.3	19.2	13.1	-163.00	197.1	-282.5	878.3	847.2	31.05	28.286		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 702H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error: 0.0 usft	
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)	No-Go Distance (usft)	Separation Factor	Warning	
5,000.0	4,948.9	4,969.6	4,948.9	19.6	13.2	-163.31	197.1	-282.5	894.2	862.6	31.62	28.275		
5,100.0	5,047.6	5,068.2	5,047.6	20.0	13.3	-163.61	197.1	-282.5	910.1	877.9	32.20	28.262		
5,200.0	5,146.2	5,166.8	5,146.2	20.5	13.3	-163.90	197.1	-282.5	926.1	893.3	32.78	28.247		
5,300.0	5,244.8	5,265.5	5,244.8	20.9	13.4	-164.18	197.1	-282.5	942.0	908.7	33.37	28.232		
5,400.0	5,343.4	5,364.1	5,343.4	21.4	13.5	-164.45	197.1	-282.5	958.0	924.1	33.95	28.215		
5,500.0	5,442.0	5,462.7	5,442.0	21.8	13.6	-164.71	197.1	-282.5	974.0	939.5	34.54	28.197		
5,600.0	5,540.6	5,561.3	5,540.6	22.3	13.6	-164.96	197.1	-282.5	990.1	954.9	35.14	28.178		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
0.0	0.0	0.0	0.0	0.0	0.0	-90.58	-0.6	-60.0	60.0	59.5	0.48	125.145	
100.0	100.0	100.0	100.0	1.2	1.2	-90.58	-0.6	-60.0	60.0	57.1	2.87	20.929	
200.0	200.0	200.0	200.0	1.7	1.7	-90.58	-0.6	-60.0	60.0	56.1	3.86	15.530	
300.0	300.0	300.0	300.0	2.1	2.1	-90.58	-0.6	-60.0	60.0	55.4	4.63	12.949	
400.0	400.0	400.0	400.0	2.4	2.4	-90.58	-0.6	-60.0	60.0	54.7	5.29	11.349	
500.0	500.0	500.0	500.0	2.7	2.7	-90.58	-0.6	-60.0	60.0	54.1	5.87	10.228	
600.0	600.0	600.0	600.0	3.0	3.0	-90.58	-0.6	-60.0	60.0	53.6	6.39	9.384	
700.0	700.0	700.0	700.0	3.2	3.2	-90.58	-0.6	-60.0	60.0	53.1	6.88	8.719	
800.0	800.0	800.0	800.0	3.5	3.5	-90.58	-0.6	-60.0	60.0	52.7	7.34	8.176	
900.0	900.0	900.0	900.0	3.7	3.7	-90.58	-0.6	-60.0	60.0	52.2	7.77	7.721	
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.58	-0.6	-60.0	60.0	51.8	8.18	7.333 CC	
1,100.0	1,100.0	1,101.5	1,101.5	4.2	4.2	-167.25	0.7	-58.7	60.4	51.7	8.75	6.911 ES	
1,200.0	1,199.8	1,203.0	1,202.8	4.5	4.6	-164.81	4.4	-54.9	61.8	52.6	9.28	6.664	
1,300.0	1,299.5	1,304.3	1,303.8	4.9	4.9	-160.99	10.7	-48.5	64.4	54.6	9.79	6.576	
1,400.0	1,398.7	1,405.5	1,404.1	5.2	5.2	-156.17	19.5	-39.6	68.4	58.1	10.27	6.659	
1,477.6	1,475.4	1,483.4	1,481.2	5.4	5.4	-152.18	27.8	-31.1	72.7	62.3	10.47	6.945	
1,500.0	1,497.5	1,505.7	1,503.2	5.4	5.4	-151.20	30.2	-28.7	74.3	63.8	10.52	7.061	
1,600.0	1,596.1	1,605.3	1,601.6	5.7	5.7	-147.24	41.1	-17.6	81.4	70.5	10.92	7.459	
1,700.0	1,694.7	1,704.9	1,699.9	6.0	6.0	-143.93	52.0	-6.5	88.9	77.6	11.30	7.866	
1,800.0	1,793.3	1,804.5	1,798.3	6.4	6.4	-141.14	62.9	4.5	96.6	84.9	11.69	8.264	
1,900.0	1,891.9	1,904.1	1,896.7	6.7	6.7	-138.77	73.8	15.6	104.5	92.4	12.08	8.651	
2,000.0	1,990.5	2,003.7	1,995.1	7.1	7.0	-136.74	84.7	26.6	112.6	100.1	12.47	9.025	
2,100.0	2,089.2	2,103.3	2,093.5	7.4	7.4	-134.97	95.6	37.7	120.8	107.9	12.87	9.385	
2,200.0	2,187.8	2,202.9	2,191.9	7.8	7.8	-133.44	106.4	48.8	129.0	115.8	13.26	9.731	
2,300.0	2,286.4	2,302.5	2,290.2	8.2	8.2	-132.08	117.3	59.8	137.4	123.7	13.65	10.063	
2,400.0	2,385.0	2,402.1	2,388.6	8.6	8.5	-130.89	128.2	70.9	145.8	131.8	14.05	10.381	
2,500.0	2,483.6	2,501.7	2,487.0	8.9	8.9	-129.82	139.1	82.0	154.3	139.9	14.44	10.685	
2,600.0	2,582.2	2,601.3	2,585.4	9.3	9.3	-128.87	150.0	93.0	162.8	148.0	14.84	10.976	
2,700.0	2,680.8	2,700.6	2,683.6	9.7	9.7	-128.19	160.5	103.7	171.5	156.3	15.21	11.276	
2,800.0	2,779.5	2,800.0	2,782.1	10.2	10.1	-128.10	169.8	113.2	180.3	164.7	15.65	11.524	
2,900.0	2,878.1	2,899.1	2,880.5	10.6	10.5	-128.55	177.9	121.4	189.3	173.2	16.12	11.744	
3,000.0	2,976.7	2,998.2	2,979.1	11.0	10.8	-129.44	184.9	128.5	198.6	182.0	16.64	11.935	
3,100.0	3,075.3	3,097.2	3,077.7	11.4	11.2	-130.72	190.6	134.3	208.2	191.0	17.20	12.101	
3,200.0	3,173.9	3,195.8	3,176.2	11.8	11.5	-132.33	195.1	138.8	218.2	200.3	17.82	12.245	
3,300.0	3,272.5	3,294.3	3,274.5	12.2	11.9	-134.21	198.4	142.2	228.7	210.2	18.48	12.373	
3,400.0	3,371.1	3,392.3	3,372.5	12.7	12.2	-136.31	200.5	144.4	239.8	220.6	19.20	12.492	
3,500.0	3,469.7	3,490.0	3,470.1	13.1	12.4	-138.58	201.4	145.3	251.7	231.8	19.96	12.612	
3,600.0	3,568.4	3,588.2	3,568.4	13.5	12.5	-140.93	201.5	145.4	264.5	243.7	20.73	12.757	
3,700.0	3,667.0	3,686.8	3,667.0	13.9	12.6	-143.07	201.5	145.4	277.6	256.1	21.51	12.906	
3,800.0	3,765.6	3,785.4	3,765.6	14.4	12.6	-145.03	201.5	145.4	291.1	268.8	22.28	13.065	
3,900.0	3,864.2	3,884.0	3,864.2	14.8	12.7	-146.81	201.5	145.4	304.9	281.9	23.04	13.234	
4,000.0	3,962.8	3,982.7	3,962.8	15.2	12.8	-148.43	201.5	145.4	319.0	295.2	23.79	13.409	
4,100.0	4,061.4	4,081.3	4,061.4	15.7	12.8	-149.92	201.5	145.4	333.3	308.8	24.53	13.589	
4,200.0	4,160.0	4,179.9	4,160.0	16.1	12.9	-151.29	201.5	145.4	347.8	322.5	25.25	13.773	
4,300.0	4,258.7	4,278.5	4,258.7	16.5	13.0	-152.54	201.5	145.4	362.5	336.5	25.97	13.958	
4,400.0	4,357.3	4,377.1	4,357.3	17.0	13.1	-153.70	201.5	145.4	377.3	350.7	26.68	14.144	
4,500.0	4,455.9	4,475.7	4,455.9	17.4	13.1	-154.77	201.5	145.4	392.3	364.9	27.38	14.330	
4,600.0	4,554.5	4,574.3	4,554.5	17.8	13.2	-155.77	201.5	145.4	407.4	379.4	28.07	14.515	
4,700.0	4,653.1	4,672.9	4,653.1	18.3	13.3	-156.69	201.5	145.4	422.7	393.9	28.76	14.698	
4,800.0	4,751.7	4,771.6	4,751.7	18.7	13.4	-157.55	201.5	145.4	438.0	408.5	29.44	14.879	
4,900.0	4,850.3	4,870.2	4,850.3	19.2	13.4	-158.35	201.5	145.4	453.4	423.3	30.11	15.057	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,000.0	4,948.9	4,968.8	4,948.9	19.6	13.5	-159.09	201.5	145.4	468.9	438.1	30.78	15.233		
5,100.0	5,047.6	5,067.4	5,047.6	20.0	13.6	-159.79	201.5	145.4	484.4	453.0	31.45	15.405		
5,200.0	5,146.2	5,166.0	5,146.2	20.5	13.7	-160.45	201.5	145.4	500.1	468.0	32.11	15.574		
5,300.0	5,244.8	5,264.6	5,244.8	20.9	13.7	-161.06	201.5	145.4	515.8	483.0	32.77	15.740		
5,400.0	5,343.4	5,363.2	5,343.4	21.4	13.8	-161.64	201.5	145.4	531.5	498.1	33.42	15.902		
5,500.0	5,442.0	5,461.9	5,442.0	21.8	13.9	-162.19	201.5	145.4	547.3	513.2	34.08	16.061		
5,600.0	5,540.6	5,560.5	5,540.6	22.3	14.0	-162.71	201.5	145.4	563.2	528.4	34.73	16.216		
5,700.0	5,639.2	5,659.1	5,639.2	22.7	14.0	-163.19	201.5	145.4	579.0	543.7	35.38	16.367		
5,800.0	5,737.9	5,757.7	5,737.9	23.1	14.1	-163.65	201.5	145.4	595.0	558.9	36.02	16.515		
5,900.0	5,836.5	5,856.3	5,836.5	23.6	14.2	-164.09	201.5	145.4	610.9	574.2	36.67	16.660		
6,000.0	5,935.1	5,954.9	5,935.1	24.0	14.2	-164.51	201.5	145.4	626.9	589.6	37.31	16.801		
6,100.0	6,033.7	6,053.5	6,033.7	24.5	14.3	-164.90	201.5	145.4	642.9	605.0	37.96	16.938		
6,200.0	6,132.3	6,152.1	6,132.3	24.9	14.4	-165.28	201.5	145.4	659.0	620.4	38.60	17.073		
6,300.0	6,230.9	6,250.8	6,230.9	25.4	14.5	-165.64	201.5	145.4	675.1	635.8	39.24	17.204		
6,400.0	6,329.5	6,349.4	6,329.5	25.8	14.5	-165.98	201.5	145.4	691.2	651.3	39.88	17.331		
6,500.0	6,428.1	6,448.0	6,428.1	26.3	14.6	-166.30	201.5	145.4	707.3	666.8	40.52	17.456		
6,600.0	6,526.8	6,546.6	6,526.8	26.7	14.7	-166.61	201.5	145.4	723.4	682.3	41.16	17.578		
6,622.7	6,549.2	6,569.0	6,549.2	26.8	14.7	-166.68	201.5	145.4	727.1	685.8	41.30	17.607		
6,700.0	6,625.5	6,645.3	6,625.5	27.1	14.8	-166.93	201.5	145.4	739.1	697.3	41.78	17.691		
6,800.0	6,724.4	6,744.3	6,724.4	27.6	14.8	-167.21	201.5	145.4	753.1	710.8	42.39	17.766		
6,900.0	6,823.6	6,843.4	6,823.6	28.0	14.9	-167.45	201.5	145.4	765.5	722.5	42.99	17.807		
7,000.0	6,923.0	6,942.8	6,923.0	28.4	15.0	-167.64	201.5	145.4	776.2	732.6	43.56	17.817		
7,100.0	7,022.6	7,042.4	7,022.6	28.8	15.1	-167.81	201.5	145.4	785.2	741.1	44.12	17.798		
7,200.0	7,122.3	7,142.1	7,122.3	29.2	15.1	-167.94	201.5	145.4	792.5	747.8	44.64	17.751		
7,300.0	7,222.1	7,242.0	7,222.1	29.5	15.2	-168.03	201.5	145.4	798.1	752.9	45.14	17.680		
7,400.0	7,322.1	7,341.9	7,322.1	29.8	15.3	-168.10	201.5	145.4	802.0	756.4	45.60	17.588		
7,500.0	7,422.0	7,441.9	7,422.0	30.1	15.4	-168.14	201.5	145.4	804.2	758.2	46.00	17.481		
7,578.0	7,500.0	7,519.8	7,500.0	30.2	15.4	-90.63	201.5	145.4	804.7	758.5	46.17	17.428		
7,600.0	7,522.0	7,541.9	7,522.0	30.2	15.5	-90.63	201.5	145.4	804.7	758.5	46.19	17.422		
7,700.0	7,622.0	7,641.9	7,622.0	30.3	15.5	-90.63	201.5	145.4	804.7	758.4	46.28	17.388		
7,800.0	7,722.0	7,741.9	7,722.0	30.3	15.6	-90.63	201.5	145.4	804.7	758.3	46.37	17.355		
7,900.0	7,822.0	7,841.9	7,822.0	30.3	15.7	-90.63	201.5	145.4	804.7	758.2	46.45	17.322		
8,000.0	7,922.0	7,941.9	7,922.0	30.4	15.8	-90.63	201.5	145.4	804.7	758.1	46.54	17.289		
8,100.0	8,022.0	8,041.9	8,022.0	30.4	15.8	-90.63	201.5	145.4	804.7	758.0	46.63	17.256		
8,200.0	8,122.0	8,141.9	8,122.0	30.4	15.9	-90.63	201.5	145.4	804.7	758.0	46.72	17.223		
8,300.0	8,222.0	8,241.9	8,222.0	30.4	16.0	-90.63	201.5	145.4	804.7	757.9	46.81	17.190		
8,400.0	8,322.0	8,341.9	8,322.0	30.5	16.1	-90.63	201.5	145.4	804.7	757.8	46.90	17.157		
8,500.0	8,422.0	8,441.9	8,422.0	30.5	16.1	-90.63	201.5	145.4	804.7	757.7	46.99	17.124		
8,600.0	8,522.0	8,541.9	8,522.0	30.5	16.2	-90.63	201.5	145.4	804.7	757.6	47.08	17.091		
8,700.0	8,622.0	8,641.9	8,622.0	30.6	16.3	-90.63	201.5	145.4	804.7	757.5	47.17	17.057		
8,800.0	8,722.0	8,741.9	8,722.0	30.6	16.4	-90.63	201.5	145.4	804.7	757.4	47.27	17.024		
8,900.0	8,822.0	8,841.9	8,822.0	30.6	16.5	-90.63	201.5	145.4	804.7	757.3	47.36	16.991		
9,000.0	8,922.0	8,941.9	8,922.0	30.7	16.5	-90.63	201.5	145.4	804.7	757.2	47.45	16.958		
9,100.0	9,022.0	9,041.9	9,022.0	30.7	16.6	-90.63	201.5	145.4	804.7	757.1	47.54	16.925		
9,200.0	9,122.0	9,141.9	9,122.0	30.7	16.7	-90.63	201.5	145.4	804.7	757.0	47.64	16.892		
9,300.0	9,222.0	9,241.9	9,222.0	30.8	16.8	-90.63	201.5	145.4	804.7	756.9	47.73	16.859		
9,400.0	9,322.0	9,341.9	9,322.0	30.8	16.8	-90.63	201.5	145.4	804.7	756.9	47.82	16.826		
9,500.0	9,422.0	9,441.9	9,422.0	30.8	16.9	-90.63	201.5	145.4	804.7	756.8	47.92	16.792		
9,600.0	9,522.0	9,541.9	9,522.0	30.9	17.0	-90.63	201.5	145.4	804.7	756.7	48.01	16.759		
9,700.0	9,622.0	9,641.9	9,622.0	30.9	17.1	-90.63	201.5	145.4	804.7	756.6	48.11	16.726		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning						
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)	No-Go Distance (usft)	Separation Factor		
9,800.0	9,722.0	9,741.9	9,722.0	30.9	17.1	-90.63	201.5	145.4	804.7	756.5	48.20	16.693		
9,900.0	9,822.0	9,841.9	9,822.0	31.0	17.2	-90.63	201.5	145.4	804.7	756.4	48.30	16.660		
10,000.0	9,922.0	9,941.9	9,922.0	31.0	17.3	-90.63	201.5	145.4	804.7	756.3	48.40	16.627		
10,100.0	10,022.0	10,041.9	10,022.0	31.0	17.4	-90.63	201.5	145.4	804.7	756.2	48.49	16.594		
10,200.0	10,122.0	10,141.9	10,122.0	31.1	17.5	-90.63	201.5	145.4	804.7	756.1	48.59	16.561		
10,300.0	10,222.0	10,241.9	10,222.0	31.1	17.5	-90.63	201.5	145.4	804.7	756.0	48.69	16.528		
10,400.0	10,322.0	10,341.9	10,322.0	31.1	17.6	-90.63	201.5	145.4	804.7	755.9	48.78	16.495		
10,500.0	10,422.0	10,441.9	10,422.0	31.2	17.7	-90.63	201.5	145.4	804.7	755.8	48.88	16.462		
10,600.0	10,522.0	10,541.9	10,522.0	31.2	17.8	-90.63	201.5	145.4	804.7	755.7	48.98	16.429		
10,700.0	10,622.0	10,641.9	10,622.0	31.2	17.8	-90.63	201.5	145.4	804.7	755.6	49.08	16.396		
10,800.0	10,722.0	10,741.9	10,722.0	31.3	17.9	-90.63	201.5	145.4	804.7	755.5	49.18	16.363		
10,900.0	10,822.0	10,841.9	10,822.0	31.3	18.0	-90.63	201.5	145.4	804.7	755.4	49.28	16.330		
11,000.0	10,922.0	10,941.9	10,922.0	31.3	18.1	-90.63	201.5	145.4	804.7	755.3	49.38	16.297		
11,100.0	11,022.0	11,041.9	11,022.0	31.4	18.2	-90.63	201.5	145.4	804.7	755.2	49.48	16.264		
11,200.0	11,122.0	11,141.9	11,122.0	31.4	18.2	-90.63	201.5	145.4	804.7	755.1	49.58	16.231		
11,300.0	11,222.0	11,241.9	11,222.0	31.5	18.3	-90.63	201.5	145.4	804.7	755.0	49.68	16.198		
11,400.0	11,322.0	11,341.9	11,322.0	31.5	18.4	-90.63	201.5	145.4	804.7	754.9	49.78	16.166		
11,500.0	11,422.0	11,441.9	11,422.0	31.5	18.5	-90.63	201.5	145.4	804.7	754.8	49.88	16.133		
11,600.0	11,522.0	11,541.9	11,522.0	31.6	18.5	-90.63	201.5	145.4	804.7	754.7	49.98	16.100		
11,700.0	11,622.0	11,641.9	11,622.0	31.6	18.6	-90.63	201.5	145.4	804.7	754.6	50.08	16.067		
11,784.5	11,706.5	11,726.3	11,706.5	31.6	18.7	-90.63	201.5	145.4	804.7	754.5	50.16	16.043		
11,800.0	11,722.0	11,741.7	11,721.9	31.6	18.7	94.66	201.2	145.4	804.7	754.5	50.16	16.043		
11,825.0	11,747.0	11,766.6	11,746.7	31.6	18.6	94.65	199.8	145.4	804.8	754.7	50.16	16.045		
11,850.0	11,771.8	11,791.4	11,771.3	31.6	18.6	94.62	197.1	145.4	805.1	754.9	50.16	16.051		
11,875.0	11,796.5	11,816.2	11,795.8	31.6	18.6	94.58	193.1	145.4	805.4	755.3	50.15	16.059		
11,900.0	11,820.9	11,841.0	11,820.0	31.6	18.5	94.53	187.8	145.5	805.9	755.7	50.15	16.070		
11,925.0	11,845.0	11,865.8	11,844.0	31.6	18.5	94.46	181.3	145.5	806.4	756.3	50.14	16.083		
11,950.0	11,868.7	11,890.6	11,867.5	31.5	18.4	94.38	173.5	145.6	807.1	757.0	50.14	16.098		
11,975.0	11,892.0	11,915.4	11,890.7	31.5	18.4	94.29	164.6	145.6	807.9	757.8	50.13	16.116		
12,000.0	11,914.8	11,940.2	11,913.3	31.5	18.3	94.19	154.4	145.7	808.8	758.7	50.13	16.135		
12,025.0	11,937.0	11,965.0	11,935.3	31.5	18.3	94.08	143.1	145.7	809.8	759.7	50.12	16.157		
12,050.0	11,958.5	11,989.8	11,956.8	31.5	18.2	93.95	130.6	145.8	810.9	760.7	50.11	16.180		
12,075.0	11,979.4	12,014.6	11,977.6	31.5	18.2	93.81	117.1	145.9	812.0	761.9	50.11	16.205		
12,100.0	11,999.6	12,039.4	11,997.6	31.5	18.1	93.67	102.5	146.0	813.3	763.2	50.11	16.232		
12,125.0	12,018.9	12,064.2	12,016.9	31.5	18.1	93.51	86.9	146.1	814.7	764.6	50.10	16.260		
12,150.0	12,037.4	12,089.0	12,035.3	31.4	18.1	93.35	70.3	146.2	816.1	766.0	50.10	16.289		
12,175.0	12,054.9	12,113.8	12,052.8	31.4	18.0	93.17	52.7	146.3	817.6	767.5	50.10	16.319		
12,200.0	12,071.5	12,138.6	12,069.4	31.4	18.0	92.99	34.3	146.5	819.3	769.1	50.11	16.350		
12,225.0	12,087.1	12,163.4	12,085.0	31.4	18.0	92.79	15.0	146.6	820.9	770.8	50.11	16.382		
12,250.0	12,101.7	12,188.2	12,099.6	31.4	17.9	92.59	-5.0	146.7	822.7	772.6	50.12	16.414		
12,275.0	12,115.2	12,213.0	12,113.2	31.4	17.9	92.39	-25.8	146.8	824.5	774.3	50.13	16.445		
12,300.0	12,127.5	12,237.8	12,125.6	31.4	17.9	92.18	-47.2	147.0	826.3	776.2	50.15	16.477		
12,325.0	12,138.7	12,262.6	12,136.9	31.5	17.9	91.96	-69.3	147.1	828.3	778.1	50.17	16.509		
12,350.0	12,148.8	12,287.5	12,147.1	31.5	17.9	91.73	-92.0	147.3	830.2	780.0	50.20	16.540		
12,375.0	12,157.6	12,312.3	12,156.1	31.5	17.9	91.51	-115.1	147.4	832.2	782.0	50.23	16.570		
12,400.0	12,165.2	12,337.1	12,163.8	31.5	17.9	91.28	-138.7	147.6	834.3	784.0	50.26	16.599		
12,425.0	12,171.5	12,362.0	12,170.3	31.5	17.9	91.04	-162.7	147.7	836.4	786.1	50.30	16.628		
12,450.0	12,176.5	12,386.8	12,175.6	31.5	17.9	90.81	-187.0	147.9	838.5	788.1	50.34	16.655		
12,475.0	12,180.3	12,411.7	12,179.6	31.6	17.9	90.57	-211.5	148.1	840.6	790.2	50.39	16.681		
12,500.0	12,182.7	12,436.6	12,182.3	31.6	17.9	90.33	-236.2	148.2	842.7	792.3	50.44	16.706		
12,525.0	12,183.9	12,461.5	12,183.7	31.6	18.0	90.09	-261.1	148.4	844.9	794.4	50.50	16.729		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
12,534.5	12,184.0	12,470.9	12,183.9	31.6	18.0	90.00	-270.5	148.4	845.7	795.2	50.52	16.738		
12,600.0	12,184.0	12,536.2	12,184.0	31.7	18.1	90.00	-335.9	148.9	850.6	799.9	50.71	16.773		
12,700.0	12,184.0	12,636.1	12,184.0	31.9	18.3	90.00	-435.8	149.5	855.1	804.1	51.07	16.745		
12,781.0	12,184.0	12,717.1	12,184.0	32.0	18.4	90.00	-516.7	150.0	856.3	804.9	51.40	16.660		
12,800.0	12,184.0	12,736.1	12,184.0	32.1	18.5	90.00	-535.7	150.2	856.3	804.8	51.48	16.634		
12,900.0	12,184.0	12,836.1	12,184.0	32.3	18.8	90.00	-635.7	150.8	856.3	804.3	51.95	16.483		
13,000.0	12,184.0	12,936.1	12,184.0	32.5	19.1	90.00	-735.7	151.5	856.3	803.8	52.49	16.314		
13,100.0	12,184.0	13,036.1	12,184.0	32.8	19.5	90.00	-835.7	152.1	856.3	803.2	53.09	16.129		
13,200.0	12,184.0	13,136.1	12,184.0	33.1	19.9	90.00	-935.7	152.8	856.3	802.5	53.75	15.931		
13,300.0	12,184.0	13,236.1	12,184.0	33.4	20.3	90.00	-1,035.7	153.4	856.3	801.8	54.47	15.720		
13,400.0	12,184.0	13,336.1	12,184.0	33.8	20.8	90.00	-1,135.7	154.1	856.2	801.0	55.25	15.499		
13,500.0	12,184.0	13,436.1	12,184.0	34.1	21.3	90.00	-1,235.7	154.7	856.2	800.2	56.08	15.269		
13,600.0	12,184.0	13,536.1	12,184.0	34.5	21.9	90.00	-1,335.7	155.4	856.2	799.3	56.96	15.032		
13,700.0	12,184.0	13,636.1	12,184.0	34.9	22.5	90.00	-1,435.7	156.0	856.2	798.3	57.89	14.790		
13,800.0	12,184.0	13,736.1	12,184.0	35.3	23.1	90.00	-1,535.7	156.7	856.2	797.4	58.87	14.544		
13,900.0	12,184.0	13,836.1	12,184.0	35.8	23.8	90.00	-1,635.7	157.3	856.2	796.3	59.90	14.295		
14,000.0	12,184.0	13,936.1	12,184.0	36.3	24.4	90.00	-1,735.7	158.0	856.2	795.3	60.96	14.045		
14,100.0	12,184.0	14,036.1	12,184.0	36.7	25.1	90.00	-1,835.7	158.6	856.2	794.1	62.07	13.795		
14,200.0	12,184.0	14,136.1	12,184.0	37.2	25.8	90.00	-1,935.7	159.3	856.2	793.0	63.21	13.545		
14,300.0	12,184.0	14,236.1	12,184.0	37.8	26.5	90.00	-2,035.7	159.9	856.2	791.8	64.39	13.296		
14,400.0	12,184.0	14,336.1	12,184.0	38.3	27.3	90.00	-2,135.7	160.6	856.2	790.6	65.61	13.050		
14,500.0	12,184.0	14,436.1	12,184.0	38.9	28.0	90.00	-2,235.7	161.2	856.2	789.3	66.86	12.807		
14,600.0	12,184.0	14,536.1	12,184.0	39.4	28.8	90.00	-2,335.7	161.9	856.2	788.1	68.13	12.566		
14,700.0	12,184.0	14,636.1	12,184.0	40.0	29.6	90.00	-2,435.7	162.5	856.2	786.8	69.44	12.330		
14,800.0	12,184.0	14,736.1	12,184.0	40.6	30.4	90.00	-2,535.7	163.2	856.2	785.4	70.77	12.098		
14,900.0	12,184.0	14,836.1	12,184.0	41.2	31.2	90.00	-2,635.7	163.8	856.2	784.1	72.13	11.870		
15,000.0	12,184.0	14,936.1	12,184.0	41.9	32.0	90.00	-2,735.7	164.5	856.2	782.7	73.52	11.646		
15,100.0	12,184.0	15,036.1	12,184.0	42.5	32.8	90.00	-2,835.7	165.1	856.2	781.3	74.92	11.428		
15,200.0	12,184.0	15,136.1	12,184.0	43.1	33.6	90.00	-2,935.7	165.8	856.2	779.8	76.35	11.214		
15,300.0	12,184.0	15,236.1	12,184.0	43.8	34.4	90.00	-3,035.7	166.4	856.2	778.4	77.80	11.005		
15,400.0	12,184.0	15,336.1	12,184.0	44.5	35.3	90.00	-3,135.7	167.1	856.2	776.9	79.27	10.801		
15,500.0	12,184.0	15,436.1	12,184.0	45.2	36.1	90.00	-3,235.7	167.7	856.2	775.4	80.75	10.603		
15,600.0	12,184.0	15,536.1	12,184.0	45.8	37.0	90.00	-3,335.7	168.4	856.2	773.9	82.25	10.409		
15,700.0	12,184.0	15,636.1	12,184.0	46.5	37.8	90.00	-3,435.7	169.0	856.2	772.4	83.77	10.220		
15,800.0	12,184.0	15,736.1	12,184.0	47.3	38.7	90.00	-3,535.7	169.7	856.1	770.8	85.31	10.036		
15,900.0	12,184.0	15,836.1	12,184.0	48.0	39.5	90.00	-3,635.7	170.3	856.1	769.3	86.86	9.857		
16,000.0	12,184.0	15,936.1	12,184.0	48.7	40.4	90.00	-3,735.7	171.0	856.1	767.7	88.42	9.683		
16,100.0	12,184.0	16,036.1	12,184.0	49.4	41.3	90.00	-3,835.7	171.6	856.1	766.1	89.99	9.513		
16,200.0	12,184.0	16,136.1	12,184.0	50.2	42.2	90.00	-3,935.7	172.3	856.1	764.5	91.58	9.348		
16,300.0	12,184.0	16,236.1	12,184.0	50.9	43.1	90.00	-4,035.7	172.9	856.1	762.9	93.18	9.188		
16,400.0	12,184.0	16,336.1	12,184.0	51.7	43.9	90.00	-4,135.7	173.6	856.1	761.3	94.79	9.031		
16,500.0	12,184.0	16,436.1	12,184.0	52.5	44.8	90.00	-4,235.7	174.2	856.1	759.7	96.42	8.879		
16,600.0	12,184.0	16,536.1	12,184.0	53.2	45.7	90.00	-4,335.7	174.9	856.1	758.1	98.05	8.732		
16,700.0	12,184.0	16,636.1	12,184.0	54.0	46.6	90.00	-4,435.7	175.5	856.1	756.4	99.69	8.588		
16,800.0	12,184.0	16,736.1	12,184.0	54.8	47.5	90.00	-4,535.7	176.2	856.1	754.8	101.34	8.448		
16,900.0	12,184.0	16,836.1	12,184.0	55.6	48.4	90.00	-4,635.7	176.8	856.1	753.1	103.00	8.312		
17,000.0	12,184.0	16,936.1	12,184.0	56.4	49.3	90.00	-4,735.7	177.5	856.1	751.4	104.67	8.179		
17,100.0	12,184.0	17,036.1	12,184.0	57.2	50.2	90.00	-4,835.7	178.1	856.1	749.8	106.34	8.050		
17,200.0	12,184.0	17,136.1	12,184.0	58.0	51.1	90.00	-4,935.7	178.8	856.1	748.1	108.03	7.925		
17,300.0	12,184.0	17,236.1	12,184.0	58.8	52.0	90.00	-5,035.7	179.4	856.1	746.4	109.72	7.803		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 703H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 MWD+IFR1				Rule Assigned:									Offset Well Error: 0.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
17,400.0	12,184.0	17,336.1	12,184.0	59.6	52.9	90.00	-5,135.6	180.1	856.1	744.7	111.41	7.684		
17,500.0	12,184.0	17,436.1	12,184.0	60.4	53.9	90.00	-5,235.6	180.7	856.1	743.0	113.12	7.568		
17,600.0	12,184.0	17,536.1	12,184.0	61.2	54.8	90.00	-5,335.6	181.4	856.1	741.3	114.83	7.455		
17,700.0	12,184.0	17,636.1	12,184.0	62.1	55.7	90.00	-5,435.6	182.0	856.1	739.5	116.54	7.346		
17,800.0	12,184.0	17,736.1	12,184.0	62.9	56.6	90.00	-5,535.6	182.7	856.1	737.8	118.26	7.239		
17,900.0	12,184.0	17,836.1	12,184.0	63.7	57.5	90.00	-5,635.6	183.3	856.1	736.1	119.99	7.135		
18,000.0	12,184.0	17,936.1	12,184.0	64.6	58.4	90.00	-5,735.6	184.0	856.1	734.3	121.72	7.033		
18,100.0	12,184.0	18,036.1	12,184.0	65.4	59.4	90.00	-5,835.6	184.6	856.1	732.6	123.46	6.934		
18,200.0	12,184.0	18,136.1	12,184.0	66.2	60.3	90.00	-5,935.6	185.3	856.1	730.9	125.20	6.838		
18,300.0	12,184.0	18,236.1	12,184.0	67.1	61.2	90.00	-6,035.6	185.9	856.0	729.1	126.95	6.743		
18,400.0	12,184.0	18,336.1	12,184.0	67.9	62.1	90.00	-6,135.6	186.6	856.0	727.3	128.70	6.652		
18,500.0	12,184.0	18,436.1	12,184.0	68.8	63.1	90.00	-6,235.6	187.2	856.0	725.6	130.45	6.562		
18,600.0	12,184.0	18,536.1	12,184.0	69.7	64.0	90.00	-6,335.6	187.9	856.0	723.8	132.21	6.475		
18,700.0	12,184.0	18,636.1	12,184.0	70.5	64.9	90.00	-6,435.6	188.5	856.0	722.1	133.97	6.390		
18,800.0	12,184.0	18,736.1	12,184.0	71.4	65.9	90.00	-6,535.6	189.2	856.0	720.3	135.74	6.306		
18,900.0	12,184.0	18,836.1	12,184.0	72.2	66.8	90.00	-6,635.6	189.8	856.0	718.5	137.51	6.225		
19,000.0	12,184.0	18,936.1	12,184.0	73.1	67.7	90.00	-6,735.6	190.5	856.0	716.7	139.28	6.146		
19,100.0	12,184.0	19,036.1	12,184.0	74.0	68.6	90.00	-6,835.6	191.1	856.0	715.0	141.06	6.068		
19,200.0	12,184.0	19,136.1	12,184.0	74.8	69.6	90.00	-6,935.6	191.8	856.0	713.2	142.84	5.993		
19,300.0	12,184.0	19,236.1	12,184.0	75.7	70.5	90.00	-7,035.6	192.4	856.0	711.4	144.62	5.919		
19,400.0	12,184.0	19,336.1	12,184.0	76.6	71.5	90.00	-7,135.6	193.1	856.0	709.6	146.41	5.847		
19,482.5	12,184.0	19,418.6	12,184.0	77.3	72.2	90.00	-7,218.1	193.6	856.0	708.1	147.88	5.788 SF		

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		No-Go		Separation		Warning	
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)	Distance (usft)	Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-90.55	-0.3	-30.0	30.0	29.5	0.48	62.534	
100.0	100.0	100.0	100.0	1.2	1.2	-90.55	-0.3	-30.0	30.0	27.1	2.87	10.458	
200.0	200.0	200.0	200.0	1.7	1.7	-90.55	-0.3	-30.0	30.0	26.1	3.86	7.760	
300.0	300.0	300.0	300.0	2.1	2.1	-90.55	-0.3	-30.0	30.0	25.3	4.63	6.471	
400.0	400.0	400.0	400.0	2.4	2.4	-90.55	-0.3	-30.0	30.0	24.7	5.29	5.671	
500.0	500.0	500.0	500.0	2.7	2.7	-90.55	-0.3	-30.0	30.0	24.1	5.87	5.111	
600.0	600.0	600.0	600.0	3.0	3.0	-90.55	-0.3	-30.0	30.0	23.6	6.39	4.689	
700.0	700.0	700.0	700.0	3.2	3.2	-90.55	-0.3	-30.0	30.0	23.1	6.88	4.357	
800.0	800.0	800.0	800.0	3.5	3.5	-90.55	-0.3	-30.0	30.0	22.6	7.34	4.085	
900.0	900.0	900.0	900.0	3.7	3.7	-90.55	-0.3	-30.0	30.0	22.2	7.77	3.858	
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.55	-0.3	-30.0	30.0	21.8	8.18	3.664	
1,100.0	1,100.0	1,101.0	1,101.0	4.2	4.2	-167.69	0.3	-28.3	30.0	21.2	8.79	3.416	
1,200.0	1,199.8	1,202.0	1,201.8	4.5	4.5	-166.58	2.0	-23.2	30.1	20.8	9.37	3.216	
1,300.0	1,299.5	1,303.0	1,302.4	4.9	4.9	-164.75	4.9	-14.8	30.3	20.4	9.95	3.048	
1,400.0	1,398.7	1,404.0	1,402.6	5.2	5.2	-162.24	8.9	-3.1	30.7	20.1	10.54	2.910 Normal Operations	
1,477.6	1,475.4	1,482.4	1,480.1	5.4	5.5	-159.85	12.8	8.4	31.1	20.1	10.93	2.842 Normal Operations	
1,500.0	1,497.5	1,504.9	1,502.3	5.4	5.6	-159.05	14.1	12.0	31.1	20.1	11.02	2.825 Normal Operations	
1,600.0	1,596.1	1,605.5	1,601.1	5.7	5.8	-153.51	20.3	30.2	29.8	18.3	11.40	2.609 Normal Operations	
1,700.0	1,694.7	1,705.5	1,699.0	6.0	6.2	-146.46	26.7	49.1	28.0	16.2	11.78	2.380 Caution - Monitor Closely	
1,800.0	1,793.3	1,805.4	1,796.9	6.4	6.5	-138.62	33.2	67.9	26.8	14.7	12.05	2.221 Caution - Monitor Closely	
1,900.0	1,891.9	1,905.3	1,894.8	6.7	6.8	-130.18	39.6	86.7	26.1	13.8	12.22	2.131 Caution - Monitor Closely	
1,970.1	1,961.1	1,975.4	1,963.5	7.0	7.1	-124.08	44.1	100.0	25.9	13.6	12.30	2.106 Caution - Monitor Closely, CC, ES	
2,000.0	1,990.5	2,005.2	1,992.7	7.1	7.2	-121.47	46.0	105.6	25.9	13.6	12.32	2.105 Caution - Monitor Closely, SF	
2,100.0	2,089.2	2,105.2	2,090.7	7.4	7.6	-112.88	52.5	124.4	26.4	14.0	12.40	2.130 Caution - Monitor Closely	
2,200.0	2,187.8	2,205.1	2,188.6	7.8	7.9	-104.77	58.9	143.3	27.5	14.9	12.53	2.192 Caution - Monitor Closely	
2,300.0	2,286.4	2,305.0	2,286.5	8.2	8.3	-97.38	65.4	162.1	29.0	16.2	12.76	2.273 Caution - Monitor Closely	
2,400.0	2,385.0	2,404.9	2,384.4	8.6	8.7	-90.84	71.8	181.0	31.0	17.9	13.12	2.361 Caution - Monitor Closely	
2,500.0	2,483.6	2,504.8	2,482.3	8.9	9.1	-85.15	78.2	199.8	33.3	19.7	13.61	2.448 Caution - Monitor Closely	
2,600.0	2,582.2	2,604.8	2,580.2	9.3	9.5	-80.24	84.7	218.7	35.9	21.7	14.20	2.531 Normal Operations	
2,700.0	2,680.8	2,704.7	2,678.2	9.7	10.0	-76.02	91.1	237.5	38.8	23.9	14.86	2.609 Normal Operations	
2,800.0	2,779.5	2,804.6	2,776.1	10.2	10.4	-72.40	97.6	256.4	41.8	26.2	15.58	2.683 Normal Operations	
2,900.0	2,878.1	2,904.5	2,874.0	10.6	10.8	-69.28	104.0	275.2	45.0	28.6	16.33	2.754 Normal Operations	
3,000.0	2,976.7	3,004.5	2,971.9	11.0	11.2	-66.57	110.4	294.1	48.2	31.1	17.11	2.820 Normal Operations	
3,100.0	3,075.3	3,104.4	3,069.8	11.4	11.7	-64.21	116.9	312.9	51.6	33.7	17.90	2.884 Normal Operations	
3,200.0	3,173.9	3,204.3	3,167.7	11.8	12.1	-62.15	123.3	331.8	55.1	36.4	18.71	2.945 Normal Operations	
3,300.0	3,272.5	3,304.2	3,265.7	12.2	12.5	-60.33	129.8	350.6	58.6	39.1	19.52	3.002	
3,400.0	3,371.1	3,404.1	3,363.6	12.7	13.0	-58.72	136.2	369.5	62.2	41.8	20.33	3.058	
3,500.0	3,469.7	3,504.1	3,461.5	13.1	13.4	-57.29	142.7	388.3	65.8	44.6	21.15	3.110	
3,600.0	3,568.4	3,604.0	3,559.4	13.5	13.9	-56.00	149.1	407.2	69.4	47.5	21.97	3.160	
3,700.0	3,667.0	3,703.9	3,657.3	13.9	14.3	-54.84	155.5	426.0	73.1	50.3	22.79	3.208	
3,800.0	3,765.6	3,803.8	3,755.2	14.4	14.8	-53.80	162.0	444.9	76.8	53.2	23.61	3.254	
3,900.0	3,864.2	3,903.8	3,853.2	14.8	15.2	-52.85	168.4	463.7	80.6	56.1	24.44	3.296	
4,000.0	3,962.8	4,004.7	3,952.2	15.2	15.7	-52.37	174.7	482.0	83.8	58.6	25.18	3.326	
4,100.0	4,061.4	4,105.7	4,051.7	15.7	16.1	-52.78	180.4	498.7	85.7	60.0	25.73	3.332	
4,200.0	4,160.0	4,206.7	4,151.4	16.1	16.5	-54.03	185.5	513.6	86.5	60.5	26.06	3.320	
4,300.0	4,258.7	4,307.6	4,251.4	16.5	17.0	-56.14	190.0	527.0	86.2	60.1	26.15	3.297	
4,400.0	4,357.3	4,408.5	4,351.5	17.0	17.4	-59.21	194.0	538.6	84.9	59.0	25.95	3.273	
4,500.0	4,455.9	4,509.1	4,451.6	17.4	17.8	-63.38	197.4	548.5	82.9	57.5	25.41	3.264	
4,600.0	4,554.5	4,609.5	4,551.6	17.8	18.2	-68.81	200.2	556.8	80.6	56.0	24.52	3.286	
4,700.0	4,653.1	4,709.6	4,651.4	18.3	18.5	-75.68	202.5	563.4	78.3	55.0	23.36	3.353	
4,800.0	4,751.7	4,809.3	4,751.0	18.7	18.9	-84.07	204.2	568.3	76.9	54.6	22.26	3.453	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
4,844.4	4,795.5	4,853.5	4,795.1	18.9	19.0	-88.26	204.7	570.0	76.7	54.7	21.96	3.492		
4,900.0	4,850.3	4,908.6	4,850.2	19.2	19.2	-93.83	205.3	571.6	77.0	55.1	21.89	3.517		
5,000.0	4,948.9	5,007.4	4,949.0	19.6	19.4	-104.45	205.8	573.2	79.6	56.6	22.97	3.466		
5,100.0	5,047.6	5,106.0	5,047.6	20.0	19.5	-115.03	205.9	573.4	85.2	59.9	25.39	3.358		
5,200.0	5,146.2	5,204.6	5,146.2	20.5	19.6	-124.19	205.9	573.4	93.6	65.3	28.26	3.310		
5,300.0	5,244.8	5,303.2	5,244.8	20.9	19.6	-131.72	205.9	573.4	103.9	72.9	30.92	3.359		
5,400.0	5,343.4	5,401.8	5,343.4	21.4	19.7	-137.83	205.9	573.4	115.7	82.5	33.18	3.486		
5,500.0	5,442.0	5,500.4	5,442.0	21.8	19.7	-142.78	205.9	573.4	128.5	93.5	35.05	3.666		
5,600.0	5,540.6	5,599.0	5,540.6	22.3	19.7	-146.81	205.9	573.4	142.1	105.5	36.62	3.881		
5,700.0	5,639.2	5,697.6	5,639.2	22.7	19.8	-150.13	205.9	573.4	156.3	118.4	37.95	4.119		
5,800.0	5,737.9	5,796.2	5,737.9	23.1	19.8	-152.90	205.9	573.4	171.0	131.9	39.11	4.372		
5,900.0	5,836.5	5,894.9	5,836.5	23.6	19.9	-155.22	205.9	573.4	185.9	145.8	40.14	4.633		
6,000.0	5,935.1	5,993.5	5,935.1	24.0	19.9	-157.20	205.9	573.4	201.2	160.1	41.07	4.898		
6,100.0	6,033.7	6,092.1	6,033.7	24.5	20.0	-158.90	205.9	573.4	216.6	174.7	41.93	5.166		
6,200.0	6,132.3	6,190.7	6,132.3	24.9	20.0	-160.37	205.9	573.4	232.2	189.5	42.73	5.434		
6,300.0	6,230.9	6,289.3	6,230.9	25.4	20.1	-161.66	205.9	573.4	247.9	204.4	43.49	5.700		
6,400.0	6,329.5	6,387.9	6,329.5	25.8	20.1	-162.79	205.9	573.4	263.7	219.5	44.21	5.965		
6,500.0	6,428.1	6,486.5	6,428.1	26.3	20.2	-163.79	205.9	573.4	279.6	234.7	44.91	6.226		
6,600.0	6,526.8	6,585.2	6,526.8	26.7	20.2	-164.69	205.9	573.4	295.6	250.0	45.59	6.484		
6,622.7	6,549.2	6,607.5	6,549.2	26.8	20.2	-164.88	205.9	573.4	299.3	253.5	45.74	6.543		
6,700.0	6,625.5	6,683.8	6,625.5	27.1	20.3	-165.50	205.9	573.4	311.2	264.9	46.23	6.731		
6,800.0	6,724.4	6,782.8	6,724.4	27.6	20.3	-166.17	205.9	573.4	325.1	278.3	46.85	6.940		
6,900.0	6,823.6	6,882.0	6,823.6	28.0	20.4	-166.71	205.9	573.4	337.5	290.0	47.44	7.114		
7,000.0	6,923.0	6,981.4	6,923.0	28.4	20.4	-167.15	205.9	573.4	348.1	300.1	48.00	7.253		
7,100.0	7,022.6	7,081.0	7,022.6	28.8	20.5	-167.50	205.9	573.4	357.1	308.6	48.52	7.359		
7,200.0	7,122.3	7,180.7	7,122.3	29.2	20.5	-167.77	205.9	573.4	364.4	315.4	49.02	7.433		
7,300.0	7,222.1	7,280.5	7,222.1	29.5	20.6	-167.97	205.9	573.4	370.0	320.5	49.49	7.477		
7,400.0	7,322.1	7,380.4	7,322.1	29.8	20.6	-168.10	205.9	573.4	373.9	324.0	49.91	7.491		
7,500.0	7,422.0	7,480.4	7,422.0	30.1	20.7	-168.18	205.9	573.4	376.1	325.8	50.28	7.479		
7,578.0	7,500.0	7,558.4	7,500.0	30.2	20.7	-90.68	205.9	573.4	376.6	326.2	50.44	7.467		
7,600.0	7,522.0	7,580.4	7,522.0	30.2	20.7	-90.68	205.9	573.4	376.6	326.1	50.45	7.465		
7,700.0	7,622.0	7,680.4	7,622.0	30.3	20.8	-90.68	205.9	573.4	376.6	326.1	50.53	7.453		
7,800.0	7,722.0	7,780.4	7,722.0	30.3	20.8	-90.68	205.9	573.4	376.6	326.0	50.60	7.442		
7,900.0	7,822.0	7,880.4	7,822.0	30.3	20.9	-90.68	205.9	573.4	376.6	325.9	50.68	7.431		
8,000.0	7,922.0	7,980.4	7,922.0	30.4	20.9	-90.68	205.9	573.4	376.6	325.8	50.76	7.420		
8,100.0	8,022.0	8,080.4	8,022.0	30.4	21.0	-90.68	205.9	573.4	376.6	325.8	50.83	7.408		
8,200.0	8,122.0	8,180.4	8,122.0	30.4	21.0	-90.68	205.9	573.4	376.6	325.7	50.91	7.397		
8,300.0	8,222.0	8,280.4	8,222.0	30.4	21.1	-90.68	205.9	573.4	376.6	325.6	50.99	7.386		
8,400.0	8,322.0	8,380.4	8,322.0	30.5	21.1	-90.68	205.9	573.4	376.6	325.5	51.07	7.375		
8,500.0	8,422.0	8,480.4	8,422.0	30.5	21.2	-90.68	205.9	573.4	376.6	325.4	51.14	7.363		
8,600.0	8,522.0	8,580.4	8,522.0	30.5	21.2	-90.68	205.9	573.4	376.6	325.4	51.22	7.352		
8,700.0	8,622.0	8,680.4	8,622.0	30.6	21.3	-90.68	205.9	573.4	376.6	325.3	51.30	7.341		
8,800.0	8,722.0	8,780.4	8,722.0	30.6	21.3	-90.68	205.9	573.4	376.6	325.2	51.38	7.329		
8,900.0	8,822.0	8,880.4	8,822.0	30.6	21.4	-90.68	205.9	573.4	376.6	325.1	51.46	7.318		
9,000.0	8,922.0	8,980.4	8,922.0	30.7	21.4	-90.68	205.9	573.4	376.6	325.0	51.54	7.306		
9,100.0	9,022.0	9,080.4	9,022.0	30.7	21.5	-90.68	205.9	573.4	376.6	325.0	51.62	7.295		
9,200.0	9,122.0	9,180.4	9,122.0	30.7	21.6	-90.68	205.9	573.4	376.6	324.9	51.71	7.283		
9,300.0	9,222.0	9,280.4	9,222.0	30.8	21.6	-90.68	205.9	573.4	376.6	324.8	51.79	7.272		
9,400.0	9,322.0	9,380.4	9,322.0	30.8	21.7	-90.68	205.9	573.4	376.6	324.7	51.87	7.260		
9,500.0	9,422.0	9,480.4	9,422.0	30.8	21.7	-90.68	205.9	573.4	376.6	324.6	51.95	7.249		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 MWD+IFR1		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
9,600.0	9,522.0	9,580.4	9,522.0	30.9	21.8	-90.68	205.9	573.4	376.6	324.6	52.03	7.237		
9,700.0	9,622.0	9,680.4	9,622.0	30.9	21.8	-90.68	205.9	573.4	376.6	324.5	52.12	7.226		
9,800.0	9,722.0	9,780.4	9,722.0	30.9	21.9	-90.68	205.9	573.4	376.6	324.4	52.20	7.214		
9,900.0	9,822.0	9,880.4	9,822.0	31.0	21.9	-90.68	205.9	573.4	376.6	324.3	52.28	7.203		
10,000.0	9,922.0	9,980.4	9,922.0	31.0	22.0	-90.68	205.9	573.4	376.6	324.2	52.37	7.191		
10,100.0	10,022.0	10,080.4	10,022.0	31.0	22.0	-90.68	205.9	573.4	376.6	324.1	52.45	7.180		
10,200.0	10,122.0	10,180.4	10,122.0	31.1	22.1	-90.68	205.9	573.4	376.6	324.1	52.54	7.168		
10,300.0	10,222.0	10,280.4	10,222.0	31.1	22.2	-90.68	205.9	573.4	376.6	324.0	52.62	7.156		
10,400.0	10,322.0	10,380.4	10,322.0	31.1	22.2	-90.68	205.9	573.4	376.6	323.9	52.71	7.145		
10,500.0	10,422.0	10,480.4	10,422.0	31.2	22.3	-90.68	205.9	573.4	376.6	323.8	52.80	7.133		
10,600.0	10,522.0	10,580.4	10,522.0	31.2	22.3	-90.68	205.9	573.4	376.6	323.7	52.88	7.121		
10,700.0	10,622.0	10,680.4	10,622.0	31.2	22.4	-90.68	205.9	573.4	376.6	323.6	52.97	7.110		
10,800.0	10,722.0	10,780.4	10,722.0	31.3	22.4	-90.68	205.9	573.4	376.6	323.5	53.06	7.098		
10,900.0	10,822.0	10,880.4	10,822.0	31.3	22.5	-90.68	205.9	573.4	376.6	323.4	53.14	7.086		
11,000.0	10,922.0	10,980.4	10,922.0	31.3	22.5	-90.68	205.9	573.4	376.6	323.4	53.23	7.075		
11,100.0	11,022.0	11,080.4	11,022.0	31.4	22.6	-90.68	205.9	573.4	376.6	323.3	53.32	7.063		
11,200.0	11,122.0	11,180.4	11,122.0	31.4	22.7	-90.68	205.9	573.4	376.6	323.2	53.41	7.051		
11,300.0	11,222.0	11,280.4	11,222.0	31.5	22.7	-90.68	205.9	573.4	376.6	323.1	53.50	7.040		
11,400.0	11,322.0	11,380.4	11,322.0	31.5	22.8	-90.68	205.9	573.4	376.6	323.0	53.58	7.028		
11,500.0	11,422.0	11,480.4	11,422.0	31.5	22.8	-90.68	205.9	573.4	376.6	322.9	53.67	7.016		
11,600.0	11,522.0	11,580.4	11,522.0	31.6	22.9	-90.68	205.9	573.4	376.6	322.8	53.76	7.004		
11,700.0	11,622.0	11,680.4	11,622.0	31.6	22.9	-90.68	205.9	573.4	376.6	322.7	53.85	6.993		
11,784.5	11,706.5	11,764.9	11,706.5	31.6	23.0	-90.68	205.9	573.4	376.6	322.7	53.93	6.983		
11,800.0	11,722.0	11,780.4	11,722.0	31.6	23.0	94.65	205.9	573.4	376.6	322.7	53.93	6.983		
11,825.0	11,747.0	11,805.4	11,747.0	31.6	23.0	94.86	205.9	573.4	376.7	322.8	53.92	6.987		
11,850.0	11,771.8	11,830.2	11,771.8	31.6	23.0	95.25	205.9	573.4	377.0	323.1	53.87	6.998		
11,875.0	11,796.5	11,854.9	11,796.5	31.6	23.0	95.81	205.9	573.4	377.4	323.6	53.80	7.014		
11,900.0	11,820.9	11,879.3	11,820.9	31.6	23.1	96.53	205.9	573.4	378.0	324.3	53.70	7.039		
11,925.0	11,845.0	11,903.4	11,845.0	31.6	23.1	97.39	205.9	573.4	378.8	325.2	53.56	7.073		
11,950.0	11,868.7	11,927.1	11,868.7	31.5	23.1	98.37	205.9	573.4	379.9	326.6	53.38	7.117		
11,975.0	11,892.0	11,950.6	11,892.2	31.5	23.1	99.46	205.9	573.4	381.4	328.3	53.17	7.174		
12,000.0	11,914.8	11,975.8	11,917.4	31.5	23.1	100.67	205.1	573.4	383.3	330.4	52.96	7.238		
12,025.0	11,937.0	12,001.6	11,943.1	31.5	23.0	101.85	202.9	573.5	385.5	332.8	52.76	7.307		
12,050.0	11,958.5	12,028.0	11,969.2	31.5	23.0	103.00	199.2	573.5	388.1	335.5	52.59	7.379		
12,075.0	11,979.4	12,055.0	11,995.7	31.5	23.0	104.12	193.9	573.5	390.9	338.4	52.44	7.454		
12,100.0	11,999.6	12,082.7	12,022.5	31.5	22.9	105.21	187.0	573.6	393.9	341.6	52.32	7.530		
12,125.0	12,018.9	12,111.1	12,049.6	31.5	22.9	106.26	178.3	573.6	397.3	345.0	52.24	7.604		
12,150.0	12,037.4	12,140.3	12,076.8	31.4	22.9	107.27	167.7	573.7	400.8	348.6	52.21	7.677		
12,175.0	12,054.9	12,170.3	12,103.9	31.4	22.8	108.23	155.0	573.8	404.6	352.3	52.24	7.744		
12,200.0	12,071.5	12,201.1	12,131.0	31.4	22.8	109.15	140.3	573.9	408.5	356.1	52.32	7.806		
12,225.0	12,087.1	12,232.7	12,157.8	31.4	22.7	110.00	123.4	574.0	412.5	360.0	52.47	7.861		
12,250.0	12,101.7	12,265.3	12,184.0	31.4	22.7	110.80	104.3	574.1	416.5	363.9	52.68	7.907		
12,275.0	12,115.2	12,298.7	12,209.6	31.4	22.7	111.53	82.7	574.2	420.7	367.7	52.96	7.943		
12,300.0	12,127.5	12,333.0	12,234.2	31.4	22.6	112.19	58.8	574.4	424.8	371.5	53.31	7.969		
12,325.0	12,138.7	12,368.2	12,257.6	31.5	22.6	112.77	32.5	574.6	428.9	375.1	53.71	7.984		
12,350.0	12,148.8	12,404.3	12,279.5	31.5	22.6	113.26	3.8	574.7	432.8	378.7	54.17	7.991		
12,375.0	12,157.6	12,441.3	12,299.7	31.5	22.6	113.66	-27.1	574.9	436.7	382.0	54.66	7.989		
12,400.0	12,165.2	12,479.0	12,317.7	31.5	22.6	113.97	-60.3	575.2	440.4	385.2	55.19	7.979		
12,425.0	12,171.5	12,517.5	12,333.3	31.5	22.6	114.17	-95.4	575.4	443.8	388.1	55.73	7.964		
12,450.0	12,176.5	12,556.5	12,346.2	31.5	22.6	114.27	-132.3	575.6	447.1	390.8	56.28	7.945		
12,475.0	12,180.3	12,596.1	12,356.2	31.6	22.6	114.25	-170.6	575.9	450.1	393.3	56.80	7.923		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Distance		No-Go Distance (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)			
12,500.0	12,182.7	12,636.2	12,363.0	31.6	22.6	114.12	-210.0	576.1	452.7	395.4	57.29	7.902	
12,525.0	12,183.9	12,676.4	12,366.5	31.6	22.7	113.87	-250.1	576.4	455.1	397.4	57.74	7.882	
12,534.5	12,184.0	12,691.7	12,366.9	31.6	22.7	113.75	-265.4	576.5	455.9	398.0	57.90	7.875	
12,600.0	12,184.0	12,759.4	12,367.0	31.7	22.8	113.46	-333.1	576.9	460.4	402.1	58.34	7.892	
12,700.0	12,184.0	12,859.3	12,367.0	31.9	23.0	113.20	-433.0	577.6	464.6	405.6	59.02	7.872	
12,781.0	12,184.0	12,940.3	12,367.0	32.0	23.2	113.14	-513.9	578.1	465.7	406.0	59.62	7.810	
12,800.0	12,184.0	12,959.3	12,367.0	32.1	23.2	113.14	-532.9	578.2	465.7	405.9	59.76	7.792	
12,900.0	12,184.0	13,059.3	12,367.0	32.3	23.5	113.14	-632.9	578.9	465.7	405.1	60.56	7.689	
13,000.0	12,184.0	13,159.3	12,367.0	32.5	23.8	113.14	-732.9	579.5	465.7	404.3	61.40	7.584	
13,100.0	12,184.0	13,259.3	12,367.0	32.8	24.1	113.14	-832.9	580.2	465.7	403.4	62.29	7.476	
13,200.0	12,184.0	13,359.3	12,367.0	33.1	24.5	113.14	-932.9	580.8	465.7	402.4	63.22	7.366	
13,300.0	12,184.0	13,459.3	12,367.0	33.4	24.9	113.14	-1,032.9	581.5	465.6	401.5	64.18	7.255	
13,400.0	12,184.0	13,559.3	12,367.0	33.8	25.3	113.14	-1,132.9	582.1	465.6	400.5	65.19	7.143	
13,500.0	12,184.0	13,659.3	12,367.0	34.1	25.8	113.14	-1,232.9	582.8	465.6	399.4	66.24	7.030	
13,600.0	12,184.0	13,759.3	12,367.0	34.5	26.3	113.14	-1,332.9	583.4	465.6	398.3	67.31	6.917	
13,700.0	12,184.0	13,859.3	12,367.0	34.9	26.8	113.14	-1,432.9	584.1	465.6	397.2	68.43	6.805	
13,800.0	12,184.0	13,959.3	12,367.0	35.3	27.3	113.14	-1,532.9	584.7	465.6	396.1	69.57	6.693	
13,900.0	12,184.0	14,059.3	12,367.0	35.8	27.9	113.14	-1,632.9	585.4	465.6	394.9	70.74	6.582	
14,000.0	12,184.0	14,159.3	12,367.0	36.3	28.4	113.14	-1,732.9	586.0	465.6	393.7	71.95	6.472	
14,100.0	12,184.0	14,259.3	12,367.0	36.7	29.0	113.14	-1,832.9	586.7	465.6	392.5	73.18	6.363	
14,200.0	12,184.0	14,359.3	12,367.0	37.2	29.6	113.14	-1,932.9	587.3	465.6	391.2	74.43	6.256	
14,300.0	12,184.0	14,459.3	12,367.0	37.8	30.3	113.14	-2,032.9	588.0	465.6	389.9	75.71	6.150	
14,400.0	12,184.0	14,559.3	12,367.0	38.3	30.9	113.14	-2,132.9	588.6	465.6	388.6	77.02	6.046	
14,500.0	12,184.0	14,659.3	12,367.0	38.9	31.6	113.14	-2,232.9	589.3	465.6	387.3	78.34	5.943	
14,600.0	12,184.0	14,759.3	12,367.0	39.4	32.3	113.14	-2,332.9	589.9	465.6	385.9	79.69	5.843	
14,700.0	12,184.0	14,859.3	12,367.0	40.0	33.0	113.14	-2,432.9	590.6	465.6	384.6	81.06	5.744	
14,800.0	12,184.0	14,959.3	12,367.0	40.6	33.7	113.14	-2,532.9	591.2	465.6	383.2	82.44	5.648	
14,900.0	12,184.0	15,059.3	12,367.0	41.2	34.4	113.14	-2,632.9	591.8	465.6	381.8	83.85	5.553	
15,000.0	12,184.0	15,159.3	12,367.0	41.9	35.1	113.14	-2,732.9	592.5	465.6	380.3	85.27	5.460	
15,100.0	12,184.0	15,259.3	12,367.0	42.5	35.9	113.14	-2,832.9	593.1	465.6	378.9	86.71	5.370	
15,200.0	12,184.0	15,359.3	12,367.0	43.1	36.6	113.14	-2,932.9	593.8	465.6	377.4	88.16	5.281	
15,300.0	12,184.0	15,459.3	12,367.0	43.8	37.4	113.14	-3,032.9	594.4	465.6	376.0	89.63	5.195	
15,400.0	12,184.0	15,559.3	12,367.0	44.5	38.1	113.14	-3,132.9	595.1	465.6	374.5	91.11	5.110	
15,500.0	12,184.0	15,659.3	12,367.0	45.2	38.9	113.14	-3,232.9	595.7	465.6	373.0	92.61	5.028	
15,600.0	12,184.0	15,759.3	12,367.0	45.8	39.7	113.14	-3,332.9	596.4	465.6	371.5	94.11	4.947	
15,700.0	12,184.0	15,859.3	12,367.0	46.5	40.5	113.14	-3,432.9	597.0	465.6	370.0	95.63	4.868	
15,800.0	12,184.0	15,959.3	12,367.0	47.3	41.3	113.14	-3,532.9	597.7	465.6	368.4	97.17	4.792	
15,900.0	12,184.0	16,059.3	12,367.0	48.0	42.1	113.14	-3,632.9	598.3	465.6	366.9	98.71	4.717	
16,000.0	12,184.0	16,159.3	12,367.0	48.7	42.9	113.14	-3,732.9	599.0	465.6	365.3	100.26	4.644	
16,100.0	12,184.0	16,259.3	12,367.0	49.4	43.8	113.15	-3,832.9	599.6	465.6	363.8	101.83	4.572	
16,200.0	12,184.0	16,359.3	12,367.0	50.2	44.6	113.15	-3,932.9	600.3	465.6	362.2	103.40	4.503	
16,300.0	12,184.0	16,459.3	12,367.0	50.9	45.4	113.15	-4,032.9	600.9	465.6	360.6	104.98	4.435	
16,400.0	12,184.0	16,559.3	12,367.0	51.7	46.3	113.15	-4,132.9	601.6	465.6	359.0	106.57	4.369	
16,500.0	12,184.0	16,659.3	12,367.0	52.5	47.1	113.15	-4,232.9	602.2	465.6	357.4	108.17	4.304	
16,600.0	12,184.0	16,759.3	12,367.0	53.2	48.0	113.15	-4,332.9	602.9	465.6	355.8	109.78	4.241	
16,700.0	12,184.0	16,859.3	12,367.0	54.0	48.8	113.15	-4,432.9	603.5	465.6	354.2	111.39	4.179	
16,800.0	12,184.0	16,959.3	12,367.0	54.8	49.7	113.15	-4,532.9	604.2	465.6	352.5	113.02	4.119	
16,900.0	12,184.0	17,059.3	12,367.0	55.6	50.5	113.15	-4,632.9	604.8	465.6	350.9	114.65	4.061	
17,000.0	12,184.0	17,159.3	12,367.0	56.4	51.4	113.15	-4,732.9	605.5	465.6	349.3	116.28	4.004	
17,100.0	12,184.0	17,259.3	12,367.0	57.2	52.3	113.15	-4,832.9	606.1	465.6	347.6	117.92	3.948	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)			
17,200.0	12,184.0	17,359.3	12,367.0	58.0	53.1	113.15	-4,932.9	606.8	465.6	346.0	119.57	3.893	
17,300.0	12,184.0	17,459.3	12,367.0	58.8	54.0	113.15	-5,032.9	607.4	465.5	344.3	121.23	3.840	
17,400.0	12,184.0	17,559.3	12,367.0	59.6	54.9	113.15	-5,132.9	608.1	465.5	342.7	122.89	3.788	
17,500.0	12,184.0	17,659.3	12,367.0	60.4	55.8	113.15	-5,232.8	608.7	465.5	341.0	124.55	3.738	
17,600.0	12,184.0	17,759.3	12,367.0	61.2	56.6	113.15	-5,332.8	609.4	465.5	339.3	126.22	3.688	
17,700.0	12,184.0	17,859.3	12,367.0	62.1	57.5	113.15	-5,432.8	610.0	465.5	337.6	127.90	3.640	
17,800.0	12,184.0	17,959.3	12,367.0	62.9	58.4	113.15	-5,532.8	610.7	465.5	336.0	129.58	3.593	
17,900.0	12,184.0	18,059.3	12,367.0	63.7	59.3	113.15	-5,632.8	611.3	465.5	334.3	131.26	3.547	
18,000.0	12,184.0	18,159.3	12,367.0	64.6	60.2	113.15	-5,732.8	612.0	465.5	332.6	132.95	3.501	
18,100.0	12,184.0	18,259.3	12,367.0	65.4	61.1	113.15	-5,832.8	612.6	465.5	330.9	134.65	3.457	
18,200.0	12,184.0	18,359.3	12,367.0	66.2	62.0	113.15	-5,932.8	613.3	465.5	329.2	136.35	3.414	
18,300.0	12,184.0	18,459.3	12,367.0	67.1	62.9	113.15	-6,032.8	613.9	465.5	327.5	138.05	3.372	
18,400.0	12,184.0	18,559.3	12,367.0	67.9	63.8	113.15	-6,132.8	614.6	465.5	325.8	139.75	3.331	
18,500.0	12,184.0	18,659.3	12,367.0	68.8	64.7	113.15	-6,232.8	615.2	465.5	324.1	141.46	3.291	
18,600.0	12,184.0	18,759.3	12,367.0	69.7	65.6	113.15	-6,332.8	615.8	465.5	322.3	143.18	3.251	
18,700.0	12,184.0	18,859.3	12,367.0	70.5	66.5	113.15	-6,432.8	616.5	465.5	320.6	144.89	3.213	
18,800.0	12,184.0	18,959.3	12,367.0	71.4	67.4	113.15	-6,532.8	617.1	465.5	318.9	146.61	3.175	
18,900.0	12,184.0	19,059.3	12,367.0	72.2	68.3	113.15	-6,632.8	617.8	465.5	317.2	148.33	3.138	
19,000.0	12,184.0	19,159.3	12,367.0	73.1	69.2	113.15	-6,732.8	618.4	465.5	315.4	150.06	3.102	
19,100.0	12,184.0	19,259.3	12,367.0	74.0	70.1	113.15	-6,832.8	619.1	465.5	313.7	151.79	3.067	
19,200.0	12,184.0	19,359.3	12,367.0	74.8	71.1	113.15	-6,932.8	619.7	465.5	312.0	153.52	3.032	
19,300.0	12,184.0	19,459.3	12,367.0	75.7	72.0	113.15	-7,032.8	620.4	465.5	310.2	155.26	2.998 Normal Operations	
19,400.0	12,184.0	19,559.3	12,367.0	76.6	72.9	113.15	-7,132.8	621.0	465.5	308.5	156.99	2.965 Normal Operations	
19,482.5	12,184.0	19,641.8	12,367.0	77.3	73.6	113.15	-7,215.3	621.6	465.5	307.1	158.43	2.938 Normal Operations	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
6,300.0	6,230.9	6,628.0	6,473.9	25.4	28.5	16.76	126.9	1,756.7	969.1	916.9	52.15	18.582		
6,400.0	6,329.5	6,719.6	6,562.4	25.8	29.0	16.75	133.0	1,734.0	928.9	875.9	53.00	17.527		
6,500.0	6,428.1	6,811.2	6,651.0	26.3	29.4	16.73	139.1	1,711.4	888.7	834.9	53.85	16.504		
6,600.0	6,526.8	6,902.7	6,739.5	26.7	29.9	16.71	145.2	1,688.8	848.5	793.8	54.70	15.513		
6,622.7	6,549.2	6,923.5	6,759.6	26.8	30.0	16.71	146.5	1,683.7	839.4	784.5	54.89	15.294		
6,700.0	6,625.5	6,994.5	6,828.2	27.1	30.3	16.59	151.2	1,666.1	808.8	753.3	55.54	14.563		
6,800.0	6,724.4	7,086.9	6,917.5	27.6	30.8	16.40	157.4	1,643.3	770.6	714.2	56.38	13.666		
6,900.0	6,823.6	7,179.9	7,007.5	28.0	31.2	16.16	163.6	1,620.4	733.9	676.7	57.23	12.823		
7,000.0	6,923.0	7,266.6	7,091.3	28.4	31.6	15.90	169.2	1,599.2	699.1	641.0	58.11	12.030		
7,100.0	7,022.6	7,351.4	7,173.7	28.8	32.1	15.63	174.5	1,579.7	667.2	608.2	59.00	11.309		
7,200.0	7,122.3	7,437.5	7,257.6	29.2	32.5	15.33	179.5	1,561.0	638.4	578.5	59.87	10.662		
7,300.0	7,222.1	7,524.8	7,342.9	29.5	32.9	15.01	184.2	1,543.4	612.5	551.8	60.71	10.088		
7,400.0	7,322.1	7,613.1	7,429.5	29.8	33.3	14.67	188.7	1,526.8	589.8	528.3	61.52	9.586		
7,500.0	7,422.0	7,700.0	7,515.1	30.1	33.7	14.31	192.7	1,511.8	570.2	507.9	62.29	9.154		
7,578.0	7,500.0	7,772.4	7,586.4	30.2	34.0	91.52	195.8	1,500.2	557.1	494.4	62.77	8.876		
7,600.0	7,522.0	7,792.2	7,606.1	30.2	34.1	91.44	196.7	1,497.2	553.7	490.9	62.88	8.807		
7,700.0	7,622.0	7,882.7	7,695.6	30.3	34.5	91.10	200.1	1,484.2	539.3	475.9	63.38	8.509		
7,800.0	7,722.0	7,973.7	7,785.7	30.3	34.9	90.78	203.3	1,472.6	526.5	462.6	63.86	8.244		
7,900.0	7,822.0	8,064.9	7,876.3	30.3	35.3	90.49	206.0	1,462.3	515.2	450.8	64.32	8.010		
8,000.0	7,922.0	8,156.5	7,967.5	30.4	35.6	90.22	208.4	1,453.3	505.4	440.7	64.74	7.806		
8,100.0	8,022.0	8,248.4	8,059.0	30.4	36.0	89.99	210.5	1,445.8	497.2	432.0	65.14	7.633		
8,200.0	8,122.0	8,340.5	8,150.9	30.4	36.3	89.80	212.1	1,439.7	490.5	425.0	65.50	7.489		
8,300.0	8,222.0	8,432.8	8,243.0	30.4	36.6	89.65	213.4	1,435.0	485.4	419.6	65.83	7.374		
8,400.0	8,322.0	8,525.2	8,335.4	30.5	36.9	89.54	214.3	1,431.7	481.9	415.8	66.12	7.288		
8,500.0	8,422.0	8,617.7	8,427.8	30.5	37.2	89.48	214.7	1,429.8	479.9	413.5	66.34	7.233		
8,600.0	8,522.0	8,711.9	8,522.0	30.5	37.3	89.47	214.9	1,429.4	479.4	413.0	66.43	7.216		
8,700.0	8,622.0	8,811.9	8,622.0	30.6	37.3	89.47	214.9	1,429.4	479.4	412.9	66.50	7.209		
8,800.0	8,722.0	8,911.9	8,722.0	30.6	37.3	89.47	214.9	1,429.4	479.4	412.9	66.56	7.203		
8,900.0	8,822.0	9,011.9	8,822.0	30.6	37.4	89.47	214.9	1,429.4	479.4	412.8	66.61	7.197		
9,000.0	8,922.0	9,111.9	8,922.0	30.7	37.4	89.47	214.9	1,429.4	479.4	412.7	66.67	7.191		
9,100.0	9,022.0	9,211.9	9,022.0	30.7	37.4	89.47	214.9	1,429.4	479.4	412.7	66.73	7.185		
9,200.0	9,122.0	9,311.9	9,122.0	30.7	37.4	89.47	214.9	1,429.4	479.4	412.6	66.78	7.179		
9,300.0	9,222.0	9,411.9	9,222.0	30.8	37.5	89.47	214.9	1,429.4	479.4	412.6	66.84	7.173		
9,400.0	9,322.0	9,511.9	9,322.0	30.8	37.5	89.47	214.9	1,429.4	479.4	412.5	66.90	7.166		
9,500.0	9,422.0	9,611.9	9,422.0	30.8	37.5	89.47	214.9	1,429.4	479.4	412.5	66.95	7.160		
9,600.0	9,522.0	9,711.9	9,522.0	30.9	37.5	89.47	214.9	1,429.4	479.4	412.4	67.01	7.154		
9,700.0	9,622.0	9,811.9	9,622.0	30.9	37.6	89.47	214.9	1,429.4	479.4	412.3	67.07	7.148		
9,800.0	9,722.0	9,911.9	9,722.0	30.9	37.6	89.47	214.9	1,429.4	479.4	412.3	67.13	7.142		
9,900.0	9,822.0	10,011.9	9,822.0	31.0	37.6	89.47	214.9	1,429.4	479.4	412.2	67.19	7.135		
10,000.0	9,922.0	10,111.9	9,922.0	31.0	37.6	89.47	214.9	1,429.4	479.4	412.2	67.25	7.129		
10,100.0	10,022.0	10,211.9	10,022.0	31.0	37.7	89.47	214.9	1,429.4	479.4	412.1	67.31	7.123		
10,200.0	10,122.0	10,311.9	10,122.0	31.1	37.7	89.47	214.9	1,429.4	479.4	412.0	67.37	7.116		
10,300.0	10,222.0	10,411.9	10,222.0	31.1	37.7	89.47	214.9	1,429.4	479.4	412.0	67.43	7.110		
10,400.0	10,322.0	10,511.9	10,322.0	31.1	37.8	89.47	214.9	1,429.4	479.4	411.9	67.49	7.104		
10,500.0	10,422.0	10,611.9	10,422.0	31.2	37.8	89.47	214.9	1,429.4	479.4	411.9	67.55	7.097		
10,600.0	10,522.0	10,711.9	10,522.0	31.2	37.8	89.47	214.9	1,429.4	479.4	411.8	67.61	7.091		
10,700.0	10,622.0	10,811.9	10,622.0	31.2	37.8	89.47	214.9	1,429.4	479.4	411.7	67.67	7.084		
10,800.0	10,722.0	10,911.9	10,722.0	31.3	37.9	89.47	214.9	1,429.4	479.4	411.7	67.73	7.078		
10,900.0	10,822.0	11,011.9	10,822.0	31.3	37.9	89.47	214.9	1,429.4	479.4	411.6	67.80	7.071		
11,000.0	10,922.0	11,111.9	10,922.0	31.3	37.9	89.47	214.9	1,429.4	479.4	411.6	67.86	7.065		
11,100.0	11,022.0	11,211.9	11,022.0	31.4	37.9	89.47	214.9	1,429.4	479.4	411.5	67.92	7.058		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
11,200.0	11,122.0	11,311.9	11,122.0	31.4	38.0	89.47	214.9	1,429.4	479.4	411.4	67.99	7.052		
11,300.0	11,222.0	11,411.9	11,222.0	31.5	38.0	89.47	214.9	1,429.4	479.4	411.4	68.05	7.045		
11,400.0	11,322.0	11,511.9	11,322.0	31.5	38.0	89.47	214.9	1,429.4	479.4	411.3	68.11	7.038		
11,500.0	11,422.0	11,611.9	11,422.0	31.5	38.1	89.47	214.9	1,429.4	479.4	411.2	68.18	7.032		
11,600.0	11,522.0	11,711.9	11,522.0	31.6	38.1	89.47	214.9	1,429.4	479.4	411.2	68.24	7.025		
11,700.0	11,622.0	11,811.9	11,622.0	31.6	38.1	89.47	214.9	1,429.4	479.4	411.1	68.31	7.018		
11,784.5	11,706.5	11,896.3	11,706.5	31.6	38.1	89.47	214.9	1,429.4	479.4	411.1	68.36	7.013		
11,800.0	11,722.0	11,911.9	11,722.0	31.6	38.1	-85.27	214.9	1,429.4	479.4	411.0	68.36	7.012		
11,825.0	11,747.0	11,936.8	11,747.0	31.6	38.2	-85.45	214.9	1,429.4	479.3	410.9	68.37	7.010		
11,850.0	11,771.8	11,961.7	11,771.8	31.6	38.2	-85.81	214.9	1,429.4	479.1	410.7	68.37	7.007		
11,875.0	11,796.5	11,986.3	11,796.5	31.6	38.2	-86.32	214.9	1,429.4	478.8	410.4	68.35	7.004		
11,900.0	11,820.9	12,010.8	11,820.9	31.6	38.2	-86.98	214.9	1,429.4	478.5	410.1	68.33	7.003		
11,925.0	11,845.0	12,034.9	11,845.0	31.6	38.2	-87.79	214.9	1,429.4	478.1	409.9	68.28	7.003		
11,950.0	11,868.7	12,058.6	11,868.7	31.5	38.2	-88.71	214.9	1,429.4	477.9	409.7	68.21	7.006		
11,975.0	11,892.0	12,082.1	11,892.2	31.5	38.2	-89.75	214.9	1,429.4	477.8	409.6	68.11	7.015		
11,991.5	11,907.1	12,098.8	11,909.0	31.5	38.2	-90.52	214.5	1,429.4	477.7	409.7	68.04	7.022		
12,000.0	11,914.8	12,107.5	11,917.6	31.5	38.2	-90.92	214.0	1,429.4	477.7	409.7	68.00	7.025		
12,025.0	11,937.0	12,133.5	11,943.5	31.5	38.2	-92.10	211.8	1,429.4	477.8	409.9	67.89	7.038		
12,050.0	11,958.5	12,160.1	11,969.9	31.5	38.1	-93.30	208.1	1,429.4	478.0	410.2	67.77	7.053		
12,075.0	11,979.4	12,187.4	11,996.6	31.5	38.1	-94.50	202.7	1,429.5	478.2	410.6	67.64	7.070		
12,100.0	11,999.6	12,215.3	12,023.6	31.5	38.1	-95.70	195.6	1,429.5	478.5	411.0	67.52	7.087		
12,125.0	12,018.9	12,244.0	12,050.9	31.5	38.0	-96.92	186.8	1,429.6	478.9	411.5	67.40	7.105		
12,150.0	12,037.4	12,273.5	12,078.3	31.4	38.0	-98.13	175.9	1,429.6	479.3	412.0	67.29	7.123		
12,175.0	12,054.9	12,303.7	12,105.7	31.4	38.0	-99.34	163.1	1,429.7	479.7	412.5	67.19	7.140		
12,200.0	12,071.5	12,334.8	12,133.0	31.4	37.9	-100.54	148.1	1,429.8	480.2	413.1	67.11	7.155		
12,225.0	12,087.1	12,366.8	12,159.9	31.4	37.9	-101.73	130.9	1,429.9	480.7	413.6	67.05	7.168		
12,250.0	12,101.7	12,399.7	12,186.3	31.4	37.9	-102.90	111.4	1,430.1	481.1	414.0	67.02	7.178		
12,275.0	12,115.2	12,433.4	12,212.0	31.4	37.9	-104.06	89.5	1,430.2	481.4	414.4	67.02	7.184		
12,300.0	12,127.5	12,468.1	12,236.7	31.4	37.8	-105.18	65.2	1,430.4	481.7	414.7	67.05	7.184		
12,325.0	12,138.7	12,503.6	12,260.1	31.5	37.8	-106.26	38.5	1,430.5	481.9	414.8	67.12	7.180		
12,350.0	12,148.8	12,540.0	12,281.9	31.5	37.8	-107.30	9.4	1,430.7	481.9	414.7	67.22	7.169		
12,375.0	12,157.6	12,577.2	12,301.9	31.5	37.8	-108.29	-22.0	1,430.9	481.8	414.4	67.35	7.153		
12,400.0	12,165.2	12,615.2	12,319.8	31.5	37.8	-109.21	-55.6	1,431.1	481.4	413.9	67.52	7.130		
12,425.0	12,171.5	12,653.9	12,335.1	31.5	37.8	-110.06	-91.1	1,431.4	480.8	413.1	67.71	7.101		
12,450.0	12,176.5	12,693.2	12,347.7	31.5	37.8	-110.83	-128.3	1,431.6	480.0	412.1	67.92	7.066		
12,475.0	12,180.3	12,733.0	12,357.3	31.6	37.8	-111.51	-166.9	1,431.9	478.9	410.7	68.15	7.027		
12,500.0	12,182.7	12,773.1	12,363.7	31.6	37.8	-112.10	-206.4	1,432.1	477.5	409.1	68.37	6.983		
12,525.0	12,183.9	12,813.4	12,366.7	31.6	37.8	-112.58	-246.6	1,432.4	475.8	407.2	68.59	6.936		
12,534.5	12,184.0	12,828.7	12,367.0	31.6	37.8	-112.73	-261.9	1,432.5	475.1	406.4	68.67	6.918		
12,600.0	12,184.0	12,894.3	12,367.0	31.7	37.9	-112.93	-327.5	1,432.9	470.5	401.7	68.85	6.835		
12,700.0	12,184.0	12,994.2	12,367.0	31.9	38.0	-113.11	-427.4	1,433.6	466.3	397.2	69.18	6.741		
12,780.9	12,184.0	13,075.1	12,367.0	32.0	38.2	-113.16	-508.3	1,434.1	465.3	395.8	69.48	6.696 CC		
12,781.0	12,184.0	13,075.1	12,367.0	32.0	38.2	-113.16	-508.4	1,434.1	465.3	395.8	69.48	6.696		
12,800.0	12,184.0	13,094.2	12,367.0	32.1	38.2	-113.16	-527.4	1,434.2	465.3	395.7	69.56	6.689		
12,900.0	12,184.0	13,194.2	12,367.0	32.3	38.4	-113.16	-627.4	1,434.9	465.3	395.3	69.99	6.648		
13,000.0	12,184.0	13,294.2	12,367.0	32.5	38.6	-113.16	-727.4	1,435.5	465.3	394.8	70.46	6.604		
13,100.0	12,184.0	13,394.2	12,367.0	32.8	38.8	-113.16	-827.4	1,436.1	465.3	394.3	70.98	6.555		
13,200.0	12,184.0	13,494.2	12,367.0	33.1	39.0	-113.16	-927.4	1,436.8	465.3	393.8	71.55	6.503		
13,300.0	12,184.0	13,594.2	12,367.0	33.4	39.3	-113.16	-1,027.4	1,437.4	465.3	393.2	72.16	6.449		
13,400.0	12,184.0	13,694.2	12,367.0	33.8	39.6	-113.16	-1,127.4	1,438.1	465.3	392.5	72.81	6.391		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,500.0	12,184.0	13,794.2	12,367.0	34.1	39.9	-113.16	-1,227.4	1,438.7	465.3	391.8	73.50	6.331	
13,600.0	12,184.0	13,894.2	12,367.0	34.5	40.2	-113.16	-1,327.4	1,439.4	465.3	391.1	74.23	6.269	
13,700.0	12,184.0	13,994.2	12,367.0	34.9	40.5	-113.16	-1,427.4	1,440.0	465.3	390.3	75.00	6.204	
13,800.0	12,184.0	14,094.2	12,367.0	35.3	40.9	-113.16	-1,527.4	1,440.7	465.3	389.5	75.81	6.138	
13,900.0	12,184.0	14,194.2	12,367.0	35.8	41.3	-113.16	-1,627.4	1,441.3	465.3	388.7	76.65	6.071	
14,000.0	12,184.0	14,294.2	12,367.0	36.3	41.7	-113.16	-1,727.4	1,442.0	465.3	387.8	77.53	6.002	
14,100.0	12,184.0	14,394.2	12,367.0	36.7	42.1	-113.16	-1,827.4	1,442.6	465.3	386.9	78.44	5.932	
14,200.0	12,184.0	14,494.2	12,367.0	37.2	42.5	-113.16	-1,927.4	1,443.3	465.3	385.9	79.39	5.861	
14,300.0	12,184.0	14,594.2	12,367.0	37.8	43.0	-113.16	-2,027.4	1,443.9	465.3	385.0	80.37	5.790	
14,400.0	12,184.0	14,694.2	12,367.0	38.3	43.4	-113.16	-2,127.4	1,444.6	465.3	384.0	81.37	5.718	
14,500.0	12,184.0	14,794.2	12,367.0	38.9	43.9	-113.16	-2,227.4	1,445.2	465.3	382.9	82.41	5.646	
14,600.0	12,184.0	14,894.2	12,367.0	39.4	44.4	-113.16	-2,327.4	1,445.9	465.3	381.9	83.48	5.574	
14,700.0	12,184.0	14,994.2	12,367.0	40.0	44.9	-113.16	-2,427.4	1,446.5	465.3	380.8	84.57	5.502	
14,800.0	12,184.0	15,094.2	12,367.0	40.6	45.5	-113.16	-2,527.4	1,447.2	465.3	379.7	85.69	5.431	
14,900.0	12,184.0	15,194.2	12,367.0	41.2	46.0	-113.16	-2,627.4	1,447.8	465.3	378.5	86.83	5.359	
15,000.0	12,184.0	15,294.2	12,367.0	41.9	46.6	-113.16	-2,727.4	1,448.5	465.3	377.3	88.00	5.288	
15,100.0	12,184.0	15,394.2	12,367.0	42.5	47.1	-113.16	-2,827.3	1,449.1	465.4	376.2	89.19	5.217	
15,200.0	12,184.0	15,494.2	12,367.0	43.1	47.7	-113.16	-2,927.3	1,449.8	465.4	374.9	90.41	5.147	
15,300.0	12,184.0	15,594.2	12,367.0	43.8	48.3	-113.16	-3,027.3	1,450.4	465.4	373.7	91.64	5.078	
15,400.0	12,184.0	15,694.2	12,367.0	44.5	48.9	-113.16	-3,127.3	1,451.1	465.4	372.5	92.90	5.009	
15,500.0	12,184.0	15,794.2	12,367.0	45.2	49.5	-113.16	-3,227.3	1,451.7	465.4	371.2	94.17	4.941	
15,600.0	12,184.0	15,894.2	12,367.0	45.8	50.1	-113.16	-3,327.3	1,452.4	465.4	369.9	95.47	4.875	
15,700.0	12,184.0	15,994.2	12,367.0	46.5	50.8	-113.16	-3,427.3	1,453.0	465.4	368.6	96.78	4.808	
15,800.0	12,184.0	16,094.2	12,367.0	47.3	51.4	-113.16	-3,527.3	1,453.7	465.4	367.3	98.11	4.743	
15,900.0	12,184.0	16,194.2	12,367.0	48.0	52.1	-113.16	-3,627.3	1,454.3	465.4	365.9	99.46	4.679	
16,000.0	12,184.0	16,294.2	12,367.0	48.7	52.7	-113.16	-3,727.3	1,455.0	465.4	364.6	100.82	4.616	
16,100.0	12,184.0	16,394.2	12,367.0	49.4	53.4	-113.16	-3,827.3	1,455.6	465.4	363.2	102.20	4.554	
16,200.0	12,184.0	16,494.2	12,367.0	50.2	54.1	-113.16	-3,927.3	1,456.3	465.4	361.8	103.59	4.492	
16,300.0	12,184.0	16,594.2	12,367.0	50.9	54.8	-113.16	-4,027.3	1,456.9	465.4	360.4	105.00	4.432	
16,400.0	12,184.0	16,694.2	12,367.0	51.7	55.5	-113.16	-4,127.3	1,457.5	465.4	359.0	106.42	4.373	
16,500.0	12,184.0	16,794.2	12,367.0	52.5	56.2	-113.16	-4,227.3	1,458.2	465.4	357.5	107.85	4.315	
16,600.0	12,184.0	16,894.2	12,367.0	53.2	56.9	-113.16	-4,327.3	1,458.8	465.4	356.1	109.30	4.258	
16,700.0	12,184.0	16,994.2	12,367.0	54.0	57.6	-113.15	-4,427.3	1,459.5	465.4	354.6	110.76	4.202	
16,800.0	12,184.0	17,094.2	12,367.0	54.8	58.4	-113.15	-4,527.3	1,460.1	465.4	353.2	112.23	4.147	
16,900.0	12,184.0	17,194.2	12,367.0	55.6	59.1	-113.15	-4,627.3	1,460.8	465.4	351.7	113.71	4.093	
17,000.0	12,184.0	17,294.2	12,367.0	56.4	59.8	-113.15	-4,727.3	1,461.4	465.4	350.2	115.20	4.040	
17,100.0	12,184.0	17,394.2	12,367.0	57.2	60.6	-113.15	-4,827.3	1,462.1	465.4	348.7	116.70	3.988	
17,200.0	12,184.0	17,494.2	12,367.0	58.0	61.3	-113.15	-4,927.3	1,462.7	465.4	347.2	118.21	3.937	
17,300.0	12,184.0	17,594.2	12,367.0	58.8	62.1	-113.15	-5,027.3	1,463.4	465.4	345.7	119.73	3.887	
17,400.0	12,184.0	17,694.2	12,367.0	59.6	62.9	-113.15	-5,127.3	1,464.0	465.4	344.1	121.26	3.838	
17,500.0	12,184.0	17,794.2	12,367.0	60.4	63.6	-113.15	-5,227.3	1,464.7	465.4	342.6	122.80	3.790	
17,600.0	12,184.0	17,894.2	12,367.0	61.2	64.4	-113.15	-5,327.3	1,465.3	465.4	341.1	124.35	3.743	
17,700.0	12,184.0	17,994.2	12,367.0	62.1	65.2	-113.15	-5,427.3	1,466.0	465.4	339.5	125.91	3.696	
17,800.0	12,184.0	18,094.2	12,367.0	62.9	66.0	-113.15	-5,527.3	1,466.6	465.4	337.9	127.47	3.651	
17,900.0	12,184.0	18,194.2	12,367.0	63.7	66.8	-113.15	-5,627.3	1,467.3	465.4	336.4	129.04	3.607	
18,000.0	12,184.0	18,294.2	12,367.0	64.6	67.6	-113.15	-5,727.3	1,467.9	465.4	334.8	130.62	3.563	
18,100.0	12,184.0	18,394.2	12,367.0	65.4	68.4	-113.15	-5,827.3	1,468.6	465.4	333.2	132.21	3.520	
18,200.0	12,184.0	18,494.2	12,367.0	66.2	69.2	-113.15	-5,927.3	1,469.2	465.4	331.6	133.80	3.478	
18,300.0	12,184.0	18,594.2	12,367.0	67.1	70.0	-113.15	-6,027.3	1,469.9	465.4	330.0	135.40	3.437	
18,400.0	12,184.0	18,694.2	12,367.0	67.9	70.8	-113.15	-6,127.3	1,470.5	465.4	328.4	137.01	3.397	
18,500.0	12,184.0	18,794.2	12,367.0	68.8	71.6	-113.15	-6,227.3	1,471.2	465.4	326.8	138.62	3.358	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		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)	No-Go Distance (usft)		
18,600.0	12,184.0	18,894.2	12,367.0	69.7	72.4	-113.15	-6,327.3	1,471.8	465.4	325.2	140.24	3.319	
18,700.0	12,184.0	18,994.2	12,367.0	70.5	73.2	-113.15	-6,427.3	1,472.5	465.4	323.6	141.86	3.281	
18,800.0	12,184.0	19,094.2	12,367.0	71.4	74.1	-113.15	-6,527.3	1,473.1	465.4	322.0	143.49	3.244	
18,900.0	12,184.0	19,194.2	12,367.0	72.2	74.9	-113.15	-6,627.3	1,473.8	465.4	320.3	145.12	3.207	
19,000.0	12,184.0	19,294.2	12,367.0	73.1	75.7	-113.15	-6,727.3	1,474.4	465.4	318.7	146.76	3.171	
19,100.0	12,184.0	19,394.2	12,367.0	74.0	76.5	-113.15	-6,827.3	1,475.1	465.4	317.0	148.41	3.136	
19,200.0	12,184.0	19,494.2	12,367.0	74.8	77.4	-113.15	-6,927.3	1,475.7	465.5	315.4	150.06	3.102	
19,300.0	12,184.0	19,594.2	12,367.0	75.7	78.2	-113.15	-7,027.3	1,476.4	465.5	313.7	151.71	3.068	
19,400.0	12,184.0	19,694.2	12,367.0	76.6	79.1	-113.15	-7,127.3	1,477.0	465.5	312.1	153.37	3.035	
19,406.1	12,184.0	19,700.2	12,367.0	76.6	79.1	-113.15	-7,133.3	1,477.0	465.5	312.0	153.47	3.033	
19,482.5	12,184.0	19,776.5	12,367.0	77.3	79.8	-113.15	-7,209.6	1,477.5	465.5	310.7	154.73	3.008 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Distance		No-Go Distance (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)				
6,900.0	6,823.6	7,034.5	6,916.0	28.0	29.5	12.33	208.2	1,885.0	978.6	922.8	55.77	17.545		
7,000.0	6,923.0	7,119.3	7,000.5	28.4	29.9	12.22	211.2	1,877.6	959.2	902.7	56.50	16.976		
7,100.0	7,022.6	7,200.0	7,080.9	28.8	30.2	12.14	213.6	1,871.6	942.9	885.7	57.20	16.485		
7,200.0	7,122.3	7,290.9	7,171.6	29.2	30.5	12.06	215.8	1,866.1	929.6	871.7	57.87	16.064		
7,300.0	7,222.1	7,377.4	7,258.1	29.5	30.8	12.00	217.4	1,862.1	919.4	860.9	58.48	15.721		
7,400.0	7,322.1	7,464.3	7,344.9	29.8	31.1	11.96	218.5	1,859.3	912.3	853.3	59.04	15.451		
7,500.0	7,422.0	7,551.5	7,432.0	30.1	31.3	11.93	219.1	1,857.7	908.3	848.8	59.52	15.261		
7,578.0	7,500.0	7,619.5	7,500.0	30.2	31.4	89.44	219.3	1,857.3	907.4	847.7	59.73	15.191		
7,600.0	7,522.0	7,641.5	7,522.0	30.2	31.4	89.44	219.3	1,857.3	907.4	847.6	59.74	15.189		
7,700.0	7,622.0	7,741.5	7,622.0	30.3	31.5	89.44	219.3	1,857.3	907.4	847.6	59.80	15.173		
7,800.0	7,722.0	7,841.5	7,722.0	30.3	31.5	89.44	219.3	1,857.3	907.4	847.5	59.86	15.158		
7,900.0	7,822.0	7,941.5	7,822.0	30.3	31.5	89.44	219.3	1,857.3	907.4	847.5	59.92	15.143		
8,000.0	7,922.0	8,041.5	7,922.0	30.4	31.6	89.44	219.3	1,857.3	907.4	847.4	59.98	15.128		
8,100.0	8,022.0	8,141.5	8,022.0	30.4	31.6	89.44	219.3	1,857.3	907.4	847.3	60.04	15.112		
8,200.0	8,122.0	8,241.5	8,122.0	30.4	31.6	89.44	219.3	1,857.3	907.4	847.3	60.10	15.097		
8,300.0	8,222.0	8,341.5	8,222.0	30.4	31.6	89.44	219.3	1,857.3	907.4	847.2	60.17	15.081		
8,400.0	8,322.0	8,441.5	8,322.0	30.5	31.7	89.44	219.3	1,857.3	907.4	847.2	60.23	15.066		
8,500.0	8,422.0	8,541.5	8,422.0	30.5	31.7	89.44	219.3	1,857.3	907.4	847.1	60.29	15.050		
8,600.0	8,522.0	8,641.5	8,522.0	30.5	31.7	89.44	219.3	1,857.3	907.4	847.0	60.35	15.035		
8,700.0	8,622.0	8,741.5	8,622.0	30.6	31.8	89.44	219.3	1,857.3	907.4	847.0	60.42	15.019		
8,800.0	8,722.0	8,841.5	8,722.0	30.6	31.8	89.44	219.3	1,857.3	907.4	846.9	60.48	15.003		
8,900.0	8,822.0	8,941.5	8,822.0	30.6	31.8	89.44	219.3	1,857.3	907.4	846.8	60.54	14.987		
9,000.0	8,922.0	9,041.5	8,922.0	30.7	31.9	89.44	219.3	1,857.3	907.4	846.8	60.61	14.972		
9,100.0	9,022.0	9,141.5	9,022.0	30.7	31.9	89.44	219.3	1,857.3	907.4	846.7	60.67	14.956		
9,200.0	9,122.0	9,241.5	9,122.0	30.7	31.9	89.44	219.3	1,857.3	907.4	846.7	60.74	14.940		
9,300.0	9,222.0	9,341.5	9,222.0	30.8	32.0	89.44	219.3	1,857.3	907.4	846.6	60.80	14.924		
9,400.0	9,322.0	9,441.5	9,322.0	30.8	32.0	89.44	219.3	1,857.3	907.4	846.5	60.87	14.908		
9,500.0	9,422.0	9,541.5	9,422.0	30.8	32.0	89.44	219.3	1,857.3	907.4	846.5	60.93	14.891		
9,600.0	9,522.0	9,641.5	9,522.0	30.9	32.1	89.44	219.3	1,857.3	907.4	846.4	61.00	14.875		
9,700.0	9,622.0	9,741.5	9,622.0	30.9	32.1	89.44	219.3	1,857.3	907.4	846.3	61.07	14.859		
9,800.0	9,722.0	9,841.5	9,722.0	30.9	32.1	89.44	219.3	1,857.3	907.4	846.3	61.13	14.843		
9,900.0	9,822.0	9,941.5	9,822.0	31.0	32.2	89.44	219.3	1,857.3	907.4	846.2	61.20	14.826		
10,000.0	9,922.0	10,041.5	9,922.0	31.0	32.2	89.44	219.3	1,857.3	907.4	846.1	61.27	14.810		
10,100.0	10,022.0	10,141.5	10,022.0	31.0	32.2	89.44	219.3	1,857.3	907.4	846.1	61.34	14.794		
10,200.0	10,122.0	10,241.5	10,122.0	31.1	32.3	89.44	219.3	1,857.3	907.4	846.0	61.40	14.777		
10,300.0	10,222.0	10,341.5	10,222.0	31.1	32.3	89.44	219.3	1,857.3	907.4	845.9	61.47	14.761		
10,400.0	10,322.0	10,441.5	10,322.0	31.1	32.3	89.44	219.3	1,857.3	907.4	845.8	61.54	14.744		
10,500.0	10,422.0	10,541.5	10,422.0	31.2	32.4	89.44	219.3	1,857.3	907.4	845.8	61.61	14.727		
10,600.0	10,522.0	10,641.5	10,522.0	31.2	32.4	89.44	219.3	1,857.3	907.4	845.7	61.68	14.711		
10,700.0	10,622.0	10,741.5	10,622.0	31.2	32.4	89.44	219.3	1,857.3	907.4	845.6	61.75	14.694		
10,800.0	10,722.0	10,841.5	10,722.0	31.3	32.5	89.44	219.3	1,857.3	907.4	845.6	61.82	14.677		
10,900.0	10,822.0	10,941.5	10,822.0	31.3	32.5	89.44	219.3	1,857.3	907.4	845.5	61.89	14.661		
11,000.0	10,922.0	11,041.5	10,922.0	31.3	32.5	89.44	219.3	1,857.3	907.4	845.4	61.96	14.644		
11,100.0	11,022.0	11,141.5	11,022.0	31.4	32.6	89.44	219.3	1,857.3	907.4	845.4	62.04	14.627		
11,200.0	11,122.0	11,241.5	11,122.0	31.4	32.6	89.44	219.3	1,857.3	907.4	845.3	62.11	14.610		
11,300.0	11,222.0	11,341.5	11,222.0	31.5	32.6	89.44	219.3	1,857.3	907.4	845.2	62.18	14.593		
11,400.0	11,322.0	11,441.5	11,322.0	31.5	32.7	89.44	219.3	1,857.3	907.4	845.1	62.25	14.576		
11,500.0	11,422.0	11,541.5	11,422.0	31.5	32.7	89.44	219.3	1,857.3	907.4	845.1	62.33	14.559		
11,600.0	11,522.0	11,641.5	11,522.0	31.6	32.7	89.44	219.3	1,857.3	907.4	845.0	62.40	14.542		
11,700.0	11,622.0	11,741.5	11,622.0	31.6	32.8	89.44	219.3	1,857.3	907.4	844.9	62.47	14.525		
11,784.5	11,706.5	11,826.0	11,706.5	31.6	32.8	89.44	219.3	1,857.3	907.4	844.9	62.53	14.512		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
11,800.0	11,722.0	11,841.6	11,722.1	31.6	32.8	-85.26	219.0	1,857.3	907.4	844.8	62.53	14.511		
11,825.0	11,747.0	11,866.7	11,747.2	31.6	32.8	-85.28	217.5	1,857.4	907.2	844.7	62.53	14.509		
11,850.0	11,771.8	11,891.9	11,772.2	31.6	32.8	-85.30	214.7	1,857.4	907.0	844.5	62.53	14.505		
11,875.0	11,796.5	11,917.0	11,797.0	31.6	32.7	-85.34	210.6	1,857.4	906.7	844.1	62.53	14.499		
11,900.0	11,820.9	11,942.2	11,821.6	31.6	32.7	-85.39	205.2	1,857.4	906.2	843.7	62.53	14.492		
11,925.0	11,845.0	11,967.3	11,845.8	31.6	32.7	-85.46	198.5	1,857.5	905.6	843.1	62.53	14.483		
11,950.0	11,868.7	11,992.5	11,869.7	31.5	32.6	-85.53	190.5	1,857.5	904.9	842.4	62.53	14.472		
11,975.0	11,892.0	12,017.6	11,893.0	31.5	32.6	-85.62	181.3	1,857.6	904.2	841.6	62.53	14.460		
12,000.0	11,914.8	12,042.7	11,915.9	31.5	32.5	-85.72	170.9	1,857.7	903.3	840.8	62.53	14.446		
12,025.0	11,937.0	12,067.8	11,938.2	31.5	32.5	-85.83	159.3	1,857.7	902.3	839.8	62.53	14.430		
12,050.0	11,958.5	12,092.9	11,959.8	31.5	32.5	-85.96	146.6	1,857.8	901.2	838.7	62.53	14.413		
12,075.0	11,979.4	12,118.0	11,980.7	31.5	32.4	-86.09	132.7	1,857.9	900.0	837.5	62.53	14.394		
12,100.0	11,999.6	12,143.1	12,000.8	31.5	32.4	-86.24	117.8	1,858.0	898.8	836.2	62.53	14.374		
12,125.0	12,018.9	12,168.2	12,020.1	31.5	32.4	-86.39	101.8	1,858.1	897.4	834.9	62.53	14.352		
12,150.0	12,037.4	12,193.2	12,038.6	31.4	32.4	-86.56	84.9	1,858.2	895.9	833.4	62.53	14.328		
12,175.0	12,054.9	12,218.3	12,056.1	31.4	32.3	-86.73	67.0	1,858.3	894.4	831.9	62.53	14.303		
12,200.0	12,071.5	12,243.3	12,072.7	31.4	32.3	-86.92	48.2	1,858.5	892.8	830.3	62.54	14.276		
12,225.0	12,087.1	12,268.3	12,088.2	31.4	32.3	-87.11	28.6	1,858.6	891.1	828.6	62.55	14.247		
12,250.0	12,101.7	12,293.3	12,102.7	31.4	32.3	-87.31	8.2	1,858.7	889.4	826.8	62.56	14.217		
12,275.0	12,115.2	12,318.3	12,116.1	31.4	32.3	-87.52	-12.9	1,858.9	887.6	825.0	62.57	14.185		
12,300.0	12,127.5	12,343.3	12,128.4	31.4	32.3	-87.73	-34.6	1,859.0	885.7	823.1	62.59	14.152		
12,325.0	12,138.7	12,368.3	12,139.5	31.5	32.3	-87.96	-57.0	1,859.1	883.8	821.2	62.60	14.117		
12,350.0	12,148.8	12,393.2	12,149.4	31.5	32.3	-88.18	-79.9	1,859.3	881.8	819.2	62.63	14.081		
12,375.0	12,157.6	12,418.2	12,158.1	31.5	32.3	-88.42	-103.3	1,859.4	879.8	817.2	62.65	14.043		
12,400.0	12,165.2	12,443.1	12,165.6	31.5	32.3	-88.66	-127.1	1,859.6	877.8	815.1	62.68	14.004		
12,425.0	12,171.5	12,468.1	12,171.8	31.5	32.3	-88.90	-151.2	1,859.8	875.7	813.0	62.71	13.964		
12,450.0	12,176.5	12,493.0	12,176.8	31.5	32.3	-89.15	-175.6	1,859.9	873.6	810.8	62.74	13.923		
12,475.0	12,180.3	12,517.9	12,180.4	31.6	32.3	-89.40	-200.3	1,860.1	871.5	808.7	62.78	13.881		
12,500.0	12,182.7	12,542.8	12,182.8	31.6	32.3	-89.65	-225.1	1,860.2	869.3	806.5	62.82	13.838		
12,525.0	12,183.9	12,567.7	12,183.9	31.6	32.3	-89.90	-250.0	1,860.4	867.2	804.3	62.87	13.794		
12,534.5	12,184.0	12,577.2	12,184.0	31.6	32.3	-90.00	-259.4	1,860.5	866.4	803.5	62.89	13.777		
12,600.0	12,184.0	12,642.5	12,184.0	31.7	32.4	-90.00	-324.7	1,860.9	861.5	798.5	63.04	13.667		
12,700.0	12,184.0	12,742.4	12,184.0	31.9	32.6	-90.00	-424.6	1,861.5	856.9	793.6	63.32	13.532		
12,780.9	12,184.0	12,823.3	12,184.0	32.0	32.7	-90.00	-505.5	1,862.1	855.8	792.2	63.59	13.458 CC		
12,781.0	12,184.0	12,823.4	12,184.0	32.0	32.7	-90.00	-505.6	1,862.1	855.8	792.2	63.59	13.458		
12,800.0	12,184.0	12,842.4	12,184.0	32.1	32.7	-90.00	-524.6	1,862.2	855.8	792.1	63.65	13.444		
12,900.0	12,184.0	12,942.4	12,184.0	32.3	32.9	-90.00	-624.6	1,862.8	855.8	791.7	64.04	13.364		
13,000.0	12,184.0	13,042.4	12,184.0	32.5	33.2	-90.00	-724.6	1,863.5	855.8	791.3	64.47	13.273		
13,100.0	12,184.0	13,142.4	12,184.0	32.8	33.4	-90.00	-824.6	1,864.1	855.8	790.8	64.96	13.173		
13,200.0	12,184.0	13,242.4	12,184.0	33.1	33.7	-90.00	-924.6	1,864.8	855.8	790.3	65.50	13.065		
13,300.0	12,184.0	13,342.4	12,184.0	33.4	34.0	-90.00	-1,024.6	1,865.4	855.8	789.7	66.10	12.948		
13,400.0	12,184.0	13,442.4	12,184.0	33.8	34.3	-90.00	-1,124.6	1,866.1	855.8	789.1	66.74	12.823		
13,500.0	12,184.0	13,542.4	12,184.0	34.1	34.6	-90.00	-1,224.6	1,866.7	855.8	788.4	67.43	12.692		
13,600.0	12,184.0	13,642.4	12,184.0	34.5	35.0	-90.00	-1,324.6	1,867.4	855.8	787.6	68.16	12.555		
13,700.0	12,184.0	13,742.4	12,184.0	34.9	35.4	-90.00	-1,424.6	1,868.0	855.8	786.9	68.94	12.413		
13,800.0	12,184.0	13,842.4	12,184.0	35.3	35.8	-90.00	-1,524.6	1,868.7	855.8	786.0	69.77	12.267		
13,900.0	12,184.0	13,942.4	12,184.0	35.8	36.2	-90.00	-1,624.6	1,869.3	855.8	785.2	70.63	12.116		
14,000.0	12,184.0	14,042.4	12,184.0	36.3	36.7	-90.00	-1,724.6	1,870.0	855.8	784.3	71.54	11.963		
14,100.0	12,184.0	14,142.4	12,184.0	36.7	37.1	-90.00	-1,824.6	1,870.6	855.8	783.3	72.48	11.807		
14,200.0	12,184.0	14,242.4	12,184.0	37.2	37.6	-90.00	-1,924.6	1,871.3	855.8	782.4	73.47	11.649		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)				
14,300.0	12,184.0	14,342.4	12,184.0	37.8	38.1	-90.00	-2,024.6	1,871.9	855.8	781.3	74.48	11.490		
14,400.0	12,184.0	14,442.4	12,184.0	38.3	38.7	-90.00	-2,124.6	1,872.6	855.8	780.3	75.54	11.330		
14,500.0	12,184.0	14,542.4	12,184.0	38.9	39.2	-90.00	-2,224.6	1,873.2	855.8	779.2	76.62	11.170		
14,600.0	12,184.0	14,642.4	12,184.0	39.4	39.7	-90.00	-2,324.6	1,873.9	855.8	778.1	77.74	11.009		
14,700.0	12,184.0	14,742.4	12,184.0	40.0	40.3	-90.00	-2,424.6	1,874.5	855.8	777.0	78.88	10.849		
14,800.0	12,184.0	14,842.4	12,184.0	40.6	40.9	-90.00	-2,524.6	1,875.2	855.8	775.8	80.06	10.690		
14,900.0	12,184.0	14,942.4	12,184.0	41.2	41.5	-90.00	-2,624.6	1,875.8	855.8	774.6	81.26	10.532		
15,000.0	12,184.0	15,042.4	12,184.0	41.9	42.1	-90.00	-2,724.6	1,876.5	855.9	773.4	82.49	10.375		
15,100.0	12,184.0	15,142.4	12,184.0	42.5	42.7	-90.00	-2,824.6	1,877.1	855.9	772.1	83.75	10.219		
15,200.0	12,184.0	15,242.4	12,184.0	43.1	43.3	-90.00	-2,924.6	1,877.8	855.9	770.8	85.03	10.066		
15,300.0	12,184.0	15,342.4	12,184.0	43.8	44.0	-90.00	-3,024.6	1,878.4	855.9	769.5	86.33	9.914		
15,400.0	12,184.0	15,442.4	12,184.0	44.5	44.6	-90.00	-3,124.6	1,879.1	855.9	768.2	87.65	9.764		
15,500.0	12,184.0	15,542.4	12,184.0	45.2	45.3	-90.00	-3,224.6	1,879.7	855.9	766.9	89.00	9.617		
15,600.0	12,184.0	15,642.4	12,184.0	45.8	46.0	-90.00	-3,324.6	1,880.4	855.9	765.5	90.36	9.471		
15,700.0	12,184.0	15,742.4	12,184.0	46.5	46.7	-90.00	-3,424.6	1,881.0	855.9	764.1	91.75	9.328		
15,800.0	12,184.0	15,842.4	12,184.0	47.3	47.4	-90.00	-3,524.6	1,881.7	855.9	762.7	93.15	9.188		
15,900.0	12,184.0	15,942.4	12,184.0	48.0	48.1	-90.00	-3,624.6	1,882.3	855.9	761.3	94.57	9.050		
16,000.0	12,184.0	16,042.4	12,184.0	48.7	48.8	-90.00	-3,724.5	1,882.9	855.9	759.9	96.01	8.915		
16,100.0	12,184.0	16,142.4	12,184.0	49.4	49.5	-90.00	-3,824.5	1,883.6	855.9	758.4	97.46	8.782		
16,200.0	12,184.0	16,242.4	12,184.0	50.2	50.3	-90.00	-3,924.5	1,884.2	855.9	757.0	98.93	8.651		
16,300.0	12,184.0	16,342.4	12,184.0	50.9	51.0	-90.00	-4,024.5	1,884.9	855.9	755.5	100.41	8.524		
16,400.0	12,184.0	16,442.4	12,184.0	51.7	51.7	-90.00	-4,124.5	1,885.5	855.9	754.0	101.91	8.399		
16,500.0	12,184.0	16,542.4	12,184.0	52.5	52.5	-90.00	-4,224.5	1,886.2	855.9	752.5	103.42	8.276		
16,600.0	12,184.0	16,642.4	12,184.0	53.2	53.3	-90.00	-4,324.5	1,886.8	855.9	751.0	104.94	8.156		
16,700.0	12,184.0	16,742.4	12,184.0	54.0	54.0	-90.00	-4,424.5	1,887.5	855.9	749.4	106.48	8.038		
16,800.0	12,184.0	16,842.4	12,184.0	54.8	54.8	-90.00	-4,524.5	1,888.1	855.9	747.9	108.02	7.923		
16,900.0	12,184.0	16,942.4	12,184.0	55.6	55.6	-90.00	-4,624.5	1,888.8	855.9	746.3	109.58	7.811		
17,000.0	12,184.0	17,042.4	12,184.0	56.4	56.4	-90.00	-4,724.5	1,889.4	855.9	744.8	111.15	7.700		
17,100.0	12,184.0	17,142.4	12,184.0	57.2	57.2	-90.00	-4,824.5	1,890.1	855.9	743.2	112.73	7.593		
17,200.0	12,184.0	17,242.4	12,184.0	58.0	58.0	-90.00	-4,924.5	1,890.7	855.9	741.6	114.32	7.487		
17,300.0	12,184.0	17,342.4	12,184.0	58.8	58.8	-90.00	-5,024.5	1,891.4	855.9	740.0	115.92	7.384		
17,400.0	12,184.0	17,442.4	12,184.0	59.6	59.6	-90.00	-5,124.5	1,892.0	855.9	738.4	117.52	7.283		
17,500.0	12,184.0	17,542.4	12,184.0	60.4	60.4	-90.00	-5,224.5	1,892.7	855.9	736.8	119.14	7.184		
17,600.0	12,184.0	17,642.4	12,184.0	61.2	61.2	-90.00	-5,324.5	1,893.3	855.9	735.2	120.76	7.088		
17,700.0	12,184.0	17,742.4	12,184.0	62.1	62.0	-90.00	-5,424.5	1,894.0	855.9	733.5	122.40	6.993		
17,800.0	12,184.0	17,842.4	12,184.0	62.9	62.8	-90.00	-5,524.5	1,894.6	855.9	731.9	124.04	6.901		
17,900.0	12,184.0	17,942.4	12,184.0	63.7	63.7	-90.00	-5,624.5	1,895.3	855.9	730.3	125.68	6.810		
18,000.0	12,184.0	18,042.4	12,184.0	64.6	64.5	-90.00	-5,724.5	1,895.9	855.9	728.6	127.34	6.722		
18,100.0	12,184.0	18,142.4	12,184.0	65.4	65.3	-90.00	-5,824.5	1,896.6	856.0	727.0	129.00	6.635		
18,200.0	12,184.0	18,242.4	12,184.0	66.2	66.2	-90.00	-5,924.5	1,897.2	856.0	725.3	130.67	6.551		
18,300.0	12,184.0	18,342.4	12,184.0	67.1	67.0	-90.00	-6,024.5	1,897.9	856.0	723.6	132.34	6.468		
18,400.0	12,184.0	18,442.4	12,184.0	67.9	67.9	-90.00	-6,124.5	1,898.5	856.0	721.9	134.02	6.387		
18,500.0	12,184.0	18,542.4	12,184.0	68.8	68.7	-90.00	-6,224.5	1,899.2	856.0	720.3	135.71	6.307		
18,600.0	12,184.0	18,642.4	12,184.0	69.7	69.6	-90.00	-6,324.5	1,899.8	856.0	718.6	137.40	6.230		
18,700.0	12,184.0	18,742.4	12,184.0	70.5	70.4	-90.00	-6,424.5	1,900.5	856.0	716.9	139.10	6.154		
18,800.0	12,184.0	18,842.4	12,184.0	71.4	71.3	-90.00	-6,524.5	1,901.1	856.0	715.2	140.80	6.079		
18,900.0	12,184.0	18,942.4	12,184.0	72.2	72.1	-90.00	-6,624.5	1,901.8	856.0	713.5	142.51	6.007		
19,000.0	12,184.0	19,042.4	12,184.0	73.1	73.0	-90.00	-6,724.5	1,902.4	856.0	711.8	144.22	5.935		
19,100.0	12,184.0	19,142.4	12,184.0	74.0	73.9	-90.00	-6,824.5	1,903.1	856.0	710.1	145.94	5.866		
19,200.0	12,184.0	19,242.4	12,184.0	74.8	74.7	-90.00	-6,924.5	1,903.7	856.0	708.3	147.66	5.797		
19,300.0	12,184.0	19,342.4	12,184.0	75.7	75.6	-90.00	-7,024.5	1,904.4	856.0	706.6	149.38	5.730		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2532 WC 707H - OWB - PWP0											Offset Site Error:	0.0 usft
Survey Program:	0-r.5 MWD+IFR1											Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
19,400.0	12,184.0	19,442.4	12,184.0	76.6	76.5	-90.00	-7,124.5	1,905.0	856.0	704.9	151.11	5.665	
19,405.1	12,184.0	19,447.5	12,184.0	76.6	76.5	-90.00	-7,129.6	1,905.1	856.0	704.8	151.20	5.661	
19,482.5	12,184.0	19,524.6	12,184.0	77.3	77.2	-90.00	-7,206.6	1,905.6	856.0	703.5	152.54	5.612 ES, SF	

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - _ZIA HILLS UNIT 2632 WC 714H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	0.0	0.0	0.0	0.0	-90.59	-1.5	-149.7	149.7	149.2	0.48	312.276	
100.0	100.0	100.0	100.0	1.2	1.2	-90.59	-1.5	-149.7	149.7	146.9	2.87	52.225	
200.0	200.0	200.0	200.0	1.7	1.7	-90.59	-1.5	-149.7	149.7	145.9	3.86	38.753	
300.0	300.0	300.0	300.0	2.1	2.1	-90.59	-1.5	-149.7	149.7	145.1	4.63	32.313	
400.0	400.0	400.0	400.0	2.4	2.4	-90.59	-1.5	-149.7	149.7	144.4	5.29	28.319	
500.0	500.0	500.0	500.0	2.7	2.7	-90.59	-1.5	-149.7	149.7	143.9	5.87	25.522	
600.0	600.0	600.0	600.0	3.0	3.0	-90.59	-1.5	-149.7	149.7	143.3	6.39	23.417	
700.0	700.0	700.0	700.0	3.2	3.2	-90.59	-1.5	-149.7	149.7	142.8	6.88	21.756	
800.0	800.0	800.0	800.0	3.5	3.5	-90.59	-1.5	-149.7	149.7	142.4	7.34	20.401	
900.0	900.0	900.0	900.0	3.7	3.7	-90.59	-1.5	-149.7	149.7	141.9	7.77	19.266	
1,000.0	1,000.0	1,000.0	1,000.0	3.9	3.9	-90.59	-1.5	-149.7	149.7	141.5	8.18	18.298 CC, ES	
1,100.0	1,100.0	1,095.0	1,095.0	4.2	4.2	-168.10	-1.2	-151.3	153.1	144.3	8.78	17.438	
1,200.0	1,199.8	1,189.4	1,189.3	4.5	4.5	-168.09	-0.4	-155.9	163.0	153.7	9.35	17.432 SF	
1,300.0	1,299.5	1,282.6	1,282.1	4.9	4.8	-168.06	1.1	-163.4	179.6	169.6	9.93	18.075	
1,400.0	1,398.7	1,373.9	1,372.9	5.2	5.1	-168.03	3.1	-173.6	202.5	192.0	10.53	19.241	
1,477.6	1,475.4	1,443.3	1,441.5	5.4	5.3	-167.99	4.9	-183.3	224.7	213.8	10.93	20.554	
1,500.0	1,497.5	1,463.0	1,461.0	5.4	5.4	-168.00	5.5	-186.4	231.7	220.7	11.03	21.004	
1,600.0	1,596.1	1,550.0	1,546.6	5.7	5.7	-167.98	8.4	-201.4	264.7	253.1	11.58	22.863	
1,700.0	1,694.7	1,636.5	1,631.3	6.0	6.0	-167.85	11.8	-218.8	300.5	288.4	12.08	24.866	
1,800.0	1,793.3	1,729.5	1,722.1	6.4	6.3	-167.71	15.6	-238.5	337.2	324.5	12.65	26.646	
1,900.0	1,891.9	1,822.5	1,812.9	6.7	6.6	-167.59	19.4	-258.2	373.9	360.6	13.27	28.177	
2,000.0	1,990.5	1,915.5	1,903.7	7.1	6.9	-167.50	23.1	-277.9	410.6	396.7	13.91	29.517	
2,100.0	2,089.2	2,008.5	1,994.6	7.4	7.3	-167.42	26.9	-297.6	447.3	432.8	14.58	30.691	
2,200.0	2,187.8	2,101.5	2,085.4	7.8	7.6	-167.35	30.7	-317.3	484.1	468.8	15.26	31.722	
2,300.0	2,286.4	2,194.5	2,176.2	8.2	8.0	-167.29	34.5	-336.9	520.8	504.8	15.96	32.629	
2,400.0	2,385.0	2,287.6	2,267.0	8.6	8.3	-167.24	38.3	-356.6	557.5	540.8	16.68	33.430	
2,500.0	2,483.6	2,380.6	2,357.9	8.9	8.7	-167.20	42.1	-376.3	594.2	576.8	17.41	34.139	
2,600.0	2,582.2	2,473.6	2,448.7	9.3	9.1	-167.16	45.9	-396.0	630.9	612.8	18.15	34.771	
2,700.0	2,680.8	2,566.6	2,539.5	9.7	9.5	-167.12	49.7	-415.7	667.7	648.8	18.90	35.334	
2,800.0	2,779.5	2,659.6	2,630.3	10.2	9.9	-167.09	53.5	-435.4	704.4	684.7	19.65	35.838	
2,900.0	2,878.1	2,752.6	2,721.2	10.6	10.3	-167.07	57.3	-455.1	741.1	720.7	20.42	36.291	
3,000.0	2,976.7	2,845.6	2,812.0	11.0	10.6	-167.04	61.0	-474.8	777.8	756.6	21.20	36.699	
3,100.0	3,075.3	2,938.6	2,902.8	11.4	11.1	-167.02	64.8	-494.4	814.6	792.6	21.98	37.068	
3,200.0	3,173.9	3,031.7	2,993.6	11.8	11.5	-167.00	68.6	-514.1	851.3	828.5	22.76	37.402	
3,300.0	3,272.5	3,124.7	3,084.5	12.2	11.9	-166.98	72.4	-533.8	888.0	864.5	23.55	37.706	
3,400.0	3,371.1	3,217.7	3,175.3	12.7	12.3	-166.96	76.2	-553.5	924.7	900.4	24.35	37.984	
3,500.0	3,469.7	3,310.7	3,266.1	13.1	12.7	-166.94	80.0	-573.2	961.5	936.3	25.14	38.237	
3,600.0	3,568.4	3,403.7	3,356.9	13.5	13.1	-166.93	83.8	-592.9	998.2	972.2	25.95	38.470	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - WILDER-FEDERAL #23 (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 500-INCH ONLY												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	176.23	-739.8	48.7	741.4	736.7	4.66	158.953	
100.0	100.0	98.0	98.0	1.2	4.2	176.23	-739.8	48.7	741.4	734.8	6.58	112.718	
200.0	200.0	198.0	198.0	1.7	6.7	176.23	-739.8	48.7	741.4	731.3	10.07	73.652	
300.0	300.0	298.0	298.0	2.1	9.4	176.23	-739.8	48.7	741.4	727.4	13.96	53.115	
400.0	400.0	398.0	398.0	2.4	12.3	176.23	-739.8	48.7	741.4	723.4	17.99	41.219	
500.0	500.0	498.0	498.0	2.7	15.2	176.23	-739.8	48.7	741.4	719.3	22.08	33.584	
600.0	600.0	598.2	598.0	3.0	18.2	176.23	-739.8	48.7	741.4	715.2	26.20	28.292	
700.0	700.0	698.2	698.0	3.2	21.2	176.23	-739.8	48.7	741.4	711.0	30.34	24.433	
752.1	752.1	750.3	750.0	3.4	22.7	176.22	-736.5	48.7	738.1	705.6	32.50	22.709 CC	
800.0	800.0	794.8	794.5	3.5	24.0	176.22	-736.6	48.7	738.2	703.9	34.35	21.489	
900.0	900.0	887.8	887.4	3.7	26.8	176.22	-737.5	48.7	739.2	701.0	38.22	19.341	
1,000.0	1,000.0	980.9	980.4	3.9	29.6	176.23	-739.3	48.7	741.1	699.0	42.09	17.609	
1,100.0	1,100.0	1,098.5	1,098.0	4.2	33.1	98.85	-739.8	48.7	741.6	694.6	47.00	15.781	
1,200.0	1,199.8	1,198.4	1,197.8	4.5	36.1	99.23	-739.8	48.7	742.5	691.3	51.16	14.513	
1,300.0	1,299.5	1,296.8	1,296.2	4.9	39.0	99.85	-738.7	48.7	742.9	687.6	55.27	13.441	
1,400.0	1,398.7	1,393.5	1,393.0	5.2	41.9	100.69	-739.0	48.7	745.4	686.1	59.31	12.568	
1,477.6	1,475.4	1,468.3	1,467.7	5.4	44.2	101.50	-739.5	48.7	748.2	685.8	62.43	11.985	
1,500.0	1,497.5	1,489.8	1,489.2	5.4	44.8	101.77	-739.7	48.7	749.1	685.8	63.32	11.831	
1,600.0	1,596.1	1,595.0	1,594.1	5.7	47.9	103.06	-739.8	48.7	752.8	685.1	67.72	11.117	
1,700.0	1,694.7	1,693.6	1,692.7	6.0	50.9	104.27	-739.8	48.7	756.8	685.0	71.85	10.534	
1,800.0	1,793.3	1,789.1	1,788.2	6.4	53.8	105.44	-736.6	48.7	757.9	682.1	75.85	9.993 ES	
1,900.0	1,891.9	1,880.6	1,879.6	6.7	56.5	106.54	-737.4	48.7	763.5	683.8	79.67	9.583	
2,000.0	1,990.5	1,972.1	1,971.0	7.1	59.2	107.61	-739.1	48.7	770.3	686.8	83.49	9.226	
2,100.0	2,089.2	2,088.4	2,087.2	7.4	62.7	108.97	-739.8	48.7	776.0	687.7	88.38	8.781	
2,200.0	2,187.8	2,187.0	2,185.8	7.8	65.7	110.11	-739.8	48.7	781.7	689.1	92.51	8.449	
2,300.0	2,286.4	2,284.7	2,283.4	8.2	68.6	111.23	-738.7	48.7	786.5	689.9	96.61	8.141	
2,400.0	2,385.0	2,380.7	2,379.4	8.6	71.5	112.30	-739.0	48.7	793.1	692.4	100.64	7.880	
2,500.0	2,483.6	2,476.7	2,475.4	8.9	74.4	113.35	-739.6	48.7	800.2	695.5	104.67	7.645	
2,600.0	2,582.2	2,581.8	2,580.2	9.3	77.5	114.48	-739.8	48.7	807.2	698.1	109.08	7.400	
2,700.0	2,680.8	2,680.4	2,678.8	9.7	80.5	115.53	-739.8	48.7	814.3	701.0	113.22	7.192	
2,800.0	2,779.5	2,776.8	2,775.2	10.2	83.4	116.60	-736.5	48.7	818.5	701.2	117.27	6.979	
2,900.0	2,878.1	2,868.0	2,866.3	10.6	86.1	117.53	-737.2	48.7	826.9	705.8	121.10	6.828	
3,000.0	2,976.7	2,959.1	2,957.4	11.0	88.8	118.42	-738.8	48.7	836.4	711.5	124.91	6.696	
3,100.0	3,075.3	3,075.2	3,073.3	11.4	92.3	119.55	-739.8	48.7	845.3	715.5	129.82	6.512	
3,200.0	3,173.9	3,173.8	3,171.9	11.8	95.3	120.51	-739.8	48.7	853.7	719.7	133.97	6.373	
3,300.0	3,272.5	3,271.8	3,269.9	12.2	98.2	121.47	-738.7	48.7	861.3	723.2	138.09	6.237	
3,400.0	3,371.1	3,367.7	3,365.8	12.7	101.1	122.36	-738.9	48.7	870.4	728.3	142.13	6.124	
3,500.0	3,469.7	3,463.5	3,461.6	13.1	103.9	123.23	-739.5	48.7	880.0	733.9	146.16	6.021	
3,600.0	3,568.4	3,568.6	3,566.4	13.5	107.1	124.16	-739.8	48.7	889.6	739.0	150.59	5.908	
3,700.0	3,667.0	3,667.2	3,665.0	13.9	110.1	125.03	-739.8	48.7	899.1	744.4	154.74	5.810	
3,800.0	3,765.6	3,764.5	3,762.2	14.4	113.0	125.95	-736.5	48.7	905.8	747.0	158.85	5.703	
3,900.0	3,864.2	3,855.4	3,853.0	14.8	115.7	126.70	-737.1	48.7	916.3	753.7	162.67	5.633	
4,000.0	3,962.8	3,946.2	3,943.8	15.2	118.4	127.42	-738.5	48.7	927.9	761.4	166.48	5.573	
4,100.0	4,061.4	4,062.0	4,059.4	15.7	121.9	128.32	-739.8	48.7	939.1	767.7	171.38	5.480	
4,200.0	4,160.0	4,160.6	4,158.0	16.1	124.9	129.10	-739.8	48.7	949.6	774.0	175.54	5.409	
4,300.0	4,258.7	4,258.9	4,256.4	16.5	127.8	129.89	-738.7	48.7	959.3	779.6	179.69	5.338	
4,400.0	4,357.3	4,354.7	4,352.1	17.0	130.7	130.61	-738.9	48.7	970.3	786.5	183.74	5.281	
4,500.0	4,455.9	4,450.5	4,447.9	17.4	133.5	131.31	-739.4	48.7	981.7	793.9	187.78	5.228	
4,600.0	4,554.5	4,555.4	4,552.5	17.8	136.7	132.05	-739.8	48.7	993.1	800.9	192.21	5.167 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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - ZIA HILLS 25E FEDERAL COM 404H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 205-r.5 MWD													Offset Well Error: 3.0 usft	
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned: 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)	No-Go Distance (usft)	Separation Factor	Warning	
5,000.0	4,948.9	5,152.6	5,122.0	19.6	21.7	17.64	58.7	1,582.1	986.6	946.7	39.91	24.719		
5,100.0	5,047.6	5,243.0	5,211.3	20.0	22.1	17.70	63.3	1,569.2	956.4	915.7	40.70	23.497		
5,200.0	5,146.2	5,334.0	5,301.3	20.5	22.5	17.79	67.5	1,556.6	926.8	885.3	41.50	22.333		
5,300.0	5,244.8	5,428.5	5,394.8	20.9	22.9	17.91	71.7	1,543.8	897.4	855.1	42.29	21.221		
5,400.0	5,343.4	5,522.0	5,487.5	21.4	23.3	18.04	75.7	1,531.2	868.1	825.1	43.08	20.153		
5,500.0	5,442.0	5,611.6	5,576.2	21.8	23.6	18.19	79.3	1,519.6	839.4	795.5	43.88	19.131		
5,600.0	5,540.6	5,702.0	5,665.9	22.3	24.0	18.39	82.3	1,508.5	811.3	766.6	44.67	18.161		
5,700.0	5,639.2	5,795.3	5,758.5	22.7	24.4	18.63	85.1	1,497.4	783.7	738.2	45.46	17.239		
5,800.0	5,737.9	5,889.5	5,852.0	23.1	24.8	18.90	87.7	1,486.5	756.4	710.1	46.24	16.358		
5,900.0	5,836.5	5,982.9	5,944.8	23.6	25.1	19.21	90.0	1,476.0	729.4	682.4	47.02	15.512		
6,000.0	5,935.1	6,080.2	6,041.5	24.0	25.5	19.58	92.2	1,465.1	702.6	654.8	47.79	14.701		
6,100.0	6,033.7	6,176.0	6,136.6	24.5	25.9	19.97	94.3	1,454.3	675.8	627.2	48.57	13.915		
6,200.0	6,132.3	6,271.3	6,231.3	24.9	26.3	20.38	96.6	1,443.7	649.1	599.7	49.34	13.156		
6,300.0	6,230.9	6,368.5	6,327.9	25.4	26.7	20.82	99.0	1,433.0	622.4	572.3	50.10	12.425		
6,400.0	6,329.5	6,476.7	6,435.2	25.8	27.1	21.28	102.7	1,419.7	594.6	543.8	50.81	11.703		
6,500.0	6,428.1	6,570.6	6,528.2	26.3	27.5	21.69	106.2	1,407.7	566.1	514.5	51.59	10.974		
6,600.0	6,526.8	6,663.2	6,620.1	26.7	27.9	22.21	109.0	1,396.1	538.1	485.8	52.37	10.276		
6,622.7	6,549.2	6,684.3	6,641.0	26.8	28.0	22.34	109.6	1,393.5	531.9	479.3	52.54	10.123		
6,700.0	6,625.5	6,760.7	6,716.8	27.1	28.3	22.76	111.4	1,384.4	511.2	458.1	53.10	9.627		
6,800.0	6,724.4	6,871.1	6,826.0	27.6	28.8	23.17	116.0	1,368.6	483.3	429.6	53.74	8.994		
6,900.0	6,823.6	6,965.9	6,919.7	28.0	29.2	23.41	120.6	1,354.6	456.4	401.9	54.51	8.373		
7,000.0	6,923.0	7,061.9	7,014.5	28.4	29.6	23.64	125.1	1,340.5	431.3	376.0	55.27	7.803		
7,100.0	7,022.6	7,157.4	7,108.9	28.8	30.0	23.85	129.1	1,326.6	408.0	352.0	56.03	7.282		
7,200.0	7,122.3	7,251.4	7,202.0	29.2	30.4	24.01	132.9	1,313.5	386.8	330.0	56.80	6.810		
7,300.0	7,222.1	7,344.7	7,294.4	29.5	30.8	24.15	136.1	1,301.6	368.5	310.9	57.57	6.400		
7,400.0	7,322.1	7,443.9	7,392.9	29.8	31.2	24.37	138.4	1,289.7	352.6	294.4	58.24	6.055		
7,500.0	7,422.0	7,544.1	7,492.2	30.1	31.6	24.25	142.4	1,276.9	337.3	278.4	58.89	5.728		
7,578.0	7,500.0	7,618.3	7,565.8	30.2	31.9	101.57	145.3	1,268.0	327.0	267.6	59.38	5.506		
7,600.0	7,522.0	7,639.3	7,586.6	30.2	32.0	101.52	146.1	1,265.5	324.3	264.8	59.50	5.451		
7,700.0	7,622.0	7,736.3	7,683.0	30.3	32.4	101.26	149.7	1,255.0	312.9	252.9	60.02	5.214		
7,800.0	7,722.0	7,835.2	7,781.3	30.3	32.8	101.03	153.0	1,244.5	301.8	241.3	60.51	4.988		
7,900.0	7,822.0	7,933.2	7,878.7	30.3	33.2	100.81	156.1	1,234.3	291.0	230.0	61.01	4.770		
8,000.0	7,922.0	8,031.4	7,976.3	30.4	33.6	100.60	159.0	1,224.5	280.7	219.2	61.50	4.565		
8,100.0	8,022.0	8,133.7	8,078.1	30.4	34.0	100.38	162.0	1,214.3	270.4	208.4	61.93	4.365		
8,200.0	8,122.0	8,233.5	8,177.3	30.4	34.4	100.06	165.5	1,203.4	259.0	196.6	62.42	4.149		
8,300.0	8,222.0	8,337.8	8,280.8	30.4	34.9	99.57	169.7	1,191.3	246.9	184.1	62.84	3.929		
8,400.0	8,322.0	8,436.4	8,378.4	30.5	35.3	98.90	174.6	1,178.9	233.7	170.3	63.38	3.687		
8,500.0	8,422.0	8,534.0	8,475.2	30.5	35.7	98.23	179.0	1,167.3	221.3	157.3	63.92	3.461		
8,600.0	8,522.0	8,630.4	8,570.9	30.5	36.1	97.64	182.7	1,156.8	209.9	145.4	64.48	3.256		
8,700.0	8,622.0	8,732.9	8,672.7	30.6	36.5	96.80	187.1	1,145.2	198.1	133.2	64.91	3.052		
8,800.0	8,722.0	8,830.5	8,769.5	30.6	36.9	95.72	192.0	1,133.9	186.1	120.6	65.44	2.843 Normal Operations		
8,900.0	8,822.0	8,926.9	8,865.4	30.6	37.3	94.73	196.0	1,123.8	175.3	109.3	65.97	2.657 Normal Operations		
9,000.0	8,922.0	9,023.3	8,961.4	30.7	37.7	93.95	199.0	1,115.5	166.5	100.0	66.47	2.504 Normal Operations		
9,100.0	9,022.0	9,121.9	9,059.6	30.7	38.0	93.53	200.6	1,108.1	158.8	91.9	66.91	2.374 Caution - Monitor Closely		
9,200.0	9,122.0	9,220.8	9,158.3	30.7	38.4	93.54	201.0	1,101.2	151.8	84.4	67.34	2.254 Caution - Monitor Closely		
9,300.0	9,222.0	9,319.6	9,256.9	30.8	38.7	93.82	200.8	1,094.6	145.2	77.4	67.78	2.143 Caution - Monitor Closely		
9,400.0	9,322.0	9,416.8	9,353.9	30.8	39.0	93.41	202.1	1,089.6	139.9	71.8	68.18	2.052 Caution - Monitor Closely		
9,500.0	9,422.0	9,514.0	9,451.1	30.8	39.3	92.84	203.6	1,086.7	136.9	68.4	68.51	1.998 Caution - Monitor Closely		
9,600.0	9,522.0	9,613.5	9,550.5	30.9	39.6	92.33	204.9	1,084.9	135.1	66.3	68.79	1.963 Caution - Monitor Closely		
9,700.0	9,622.0	9,713.4	9,650.4	30.9	39.9	92.09	205.5	1,083.0	133.1	64.0	69.08	1.926 Caution - Monitor Closely		
9,800.0	9,722.0	9,813.3	9,750.3	30.9	40.1	92.08	205.6	1,081.4	131.5	62.1	69.40	1.894 Caution - Monitor Closely		

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - ZIA HILLS 25E FEDERAL COM 404H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 205-r.5 MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.0	9,822.0	9,914.7	9,851.7	31.0	40.5	92.55	204.7	1,079.1	129.3	59.4	69.84	1.851	Caution - Monitor Closely
10,000.0	9,922.0	10,015.3	9,951.7	31.0	40.7	96.90	195.3	1,075.1	126.1	55.8	70.24	1.795	Caution - Monitor Closely
10,057.6	9,979.6	10,070.5	10,005.6	31.0	40.7	102.20	184.0	1,072.2	125.0	55.0	69.99	1.787	Caution - Monitor Closely, CC, ES, SF
10,100.0	10,022.0	10,108.0	10,041.6	31.0	40.7	106.97	173.6	1,070.4	126.1	56.8	69.27	1.820	Caution - Monitor Closely
10,200.0	10,122.0	10,187.6	10,115.3	31.1	40.6	119.26	143.9	1,068.8	140.0	75.2	64.80	2.160	Caution - Monitor Closely
10,300.0	10,222.0	10,263.9	10,182.4	31.1	40.5	130.52	107.4	1,070.5	171.5	113.0	58.51	2.932	Normal Operations
10,400.0	10,322.0	10,337.1	10,243.7	31.1	40.4	139.37	67.6	1,072.5	215.2	162.1	53.08	4.053	
10,500.0	10,422.0	10,390.0	10,285.4	31.2	40.4	144.87	35.2	1,073.3	269.0	220.1	48.83	5.509	
10,600.0	10,522.0	10,444.8	10,325.1	31.2	40.4	149.87	-2.6	1,073.6	332.2	286.1	46.10	7.205	
10,700.0	10,622.0	10,501.1	10,363.3	31.2	40.3	153.92	-44.0	1,074.5	401.6	357.1	44.49	9.026	
10,800.0	10,722.0	10,553.5	10,398.0	31.3	40.4	156.90	-83.2	1,075.2	473.6	430.1	43.56	10.873	
10,900.0	10,822.0	10,596.6	10,424.9	31.3	40.4	159.12	-116.9	1,074.8	549.3	506.3	43.03	12.766	
11,000.0	10,922.0	10,654.0	10,459.4	31.3	40.4	161.67	-162.7	1,073.6	627.1	584.4	42.74	14.674	
11,100.0	11,022.0	10,701.2	10,487.7	31.4	40.5	163.36	-200.5	1,072.8	705.6	662.9	42.67	16.537	
11,200.0	11,122.0	10,728.5	10,503.5	31.4	40.5	164.18	-222.7	1,072.7	786.2	743.4	42.82	18.360	
11,300.0	11,222.0	10,760.0	10,520.1	31.5	40.5	165.09	-249.5	1,072.5	869.7	826.6	43.06	20.195	
11,400.0	11,322.0	10,760.0	10,520.1	31.5	40.5	165.09	-249.5	1,072.5	954.9	911.5	43.46	21.975	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - ZIA HILLS 25E FEDERAL COM 404H - ST01 - ST01 AWP												Offset Site Error: 0.0 usft	
Survey Program: 205-r.5 MWD, 9809-r.5 MWD		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 3.0 usft	
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)	No-Go Distance (usft)	Separation Factor	Warning
5,000.0	4,948.9	5,152.6	5,122.0	19.6	21.7	17.64	58.7	1,582.1	986.6	946.7	39.91	24.719	
5,100.0	5,047.6	5,243.0	5,211.3	20.0	22.1	17.70	63.3	1,569.2	956.4	915.7	40.70	23.497	
5,200.0	5,146.2	5,334.0	5,301.3	20.5	22.5	17.79	67.5	1,556.6	926.8	885.3	41.50	22.333	
5,300.0	5,244.8	5,428.5	5,394.8	20.9	22.9	17.91	71.7	1,543.8	897.4	855.1	42.29	21.221	
5,400.0	5,343.4	5,522.0	5,487.5	21.4	23.3	18.04	75.7	1,531.2	868.1	825.1	43.08	20.153	
5,500.0	5,442.0	5,611.6	5,576.2	21.8	23.6	18.19	79.3	1,519.6	839.4	795.5	43.88	19.131	
5,600.0	5,540.6	5,702.0	5,665.9	22.3	24.0	18.39	82.3	1,508.5	811.3	766.6	44.67	18.161	
5,700.0	5,639.2	5,795.3	5,758.5	22.7	24.4	18.63	85.1	1,497.4	783.7	738.2	45.46	17.239	
5,800.0	5,737.9	5,889.5	5,852.0	23.1	24.8	18.90	87.7	1,486.5	756.4	710.1	46.24	16.358	
5,900.0	5,836.5	5,982.9	5,944.8	23.6	25.1	19.21	90.0	1,476.0	729.4	682.4	47.02	15.512	
6,000.0	5,935.1	6,080.2	6,041.5	24.0	25.5	19.58	92.2	1,465.1	702.6	654.8	47.79	14.701	
6,100.0	6,033.7	6,176.0	6,136.6	24.5	25.9	19.97	94.3	1,454.3	675.8	627.2	48.57	13.915	
6,200.0	6,132.3	6,271.3	6,231.3	24.9	26.3	20.38	96.6	1,443.7	649.1	599.7	49.34	13.156	
6,300.0	6,230.9	6,368.5	6,327.9	25.4	26.7	20.82	99.0	1,433.0	622.4	572.3	50.10	12.425	
6,400.0	6,329.5	6,476.7	6,435.2	25.8	27.1	21.28	102.7	1,419.7	594.6	543.8	50.81	11.703	
6,500.0	6,428.1	6,570.6	6,528.2	26.3	27.5	21.69	106.2	1,407.7	566.1	514.5	51.59	10.974	
6,600.0	6,526.8	6,663.2	6,620.1	26.7	27.9	22.21	109.0	1,396.1	538.1	485.8	52.37	10.276	
6,622.7	6,549.2	6,684.3	6,641.0	26.8	28.0	22.34	109.6	1,393.5	531.9	479.3	52.54	10.123	
6,700.0	6,625.5	6,760.7	6,716.8	27.1	28.3	22.76	111.4	1,384.4	511.2	458.1	53.10	9.627	
6,800.0	6,724.4	6,871.1	6,826.0	27.6	28.8	23.17	116.0	1,368.6	483.3	429.6	53.74	8.994	
6,900.0	6,823.6	6,965.9	6,919.7	28.0	29.2	23.41	120.6	1,354.6	456.4	401.9	54.51	8.373	
7,000.0	6,923.0	7,061.9	7,014.5	28.4	29.6	23.64	125.1	1,340.5	431.3	376.0	55.27	7.803	
7,100.0	7,022.6	7,157.4	7,108.9	28.8	30.0	23.85	129.1	1,326.6	408.0	352.0	56.03	7.282	
7,200.0	7,122.3	7,251.4	7,202.0	29.2	30.4	24.01	132.9	1,313.5	386.8	330.0	56.80	6.810	
7,300.0	7,222.1	7,344.7	7,294.4	29.5	30.8	24.15	136.1	1,301.6	368.5	310.9	57.57	6.400	
7,400.0	7,322.1	7,443.9	7,392.9	29.8	31.2	24.37	138.4	1,289.7	352.6	294.4	58.24	6.055	
7,500.0	7,422.0	7,544.1	7,492.2	30.1	31.6	24.25	142.4	1,276.9	337.3	278.4	58.89	5.728	
7,578.0	7,500.0	7,618.3	7,565.8	30.2	31.9	101.57	145.3	1,268.0	327.0	267.6	59.38	5.506	
7,600.0	7,522.0	7,639.3	7,586.6	30.2	32.0	101.52	146.1	1,265.5	324.3	264.8	59.50	5.451	
7,700.0	7,622.0	7,736.3	7,683.0	30.3	32.4	101.26	149.7	1,255.0	312.9	252.9	60.02	5.214	
7,800.0	7,722.0	7,835.2	7,781.3	30.3	32.8	101.03	153.0	1,244.5	301.8	241.3	60.51	4.988	
7,900.0	7,822.0	7,933.2	7,878.7	30.3	33.2	100.81	156.1	1,234.3	291.0	230.0	61.01	4.770	
8,000.0	7,922.0	8,031.4	7,976.3	30.4	33.6	100.60	159.0	1,224.5	280.7	219.2	61.50	4.565	
8,100.0	8,022.0	8,133.7	8,078.1	30.4	34.0	100.38	162.0	1,214.3	270.4	208.4	61.93	4.365	
8,200.0	8,122.0	8,233.5	8,177.3	30.4	34.4	100.06	165.5	1,203.4	259.0	196.6	62.42	4.149	
8,300.0	8,222.0	8,337.8	8,280.8	30.4	34.9	99.57	169.7	1,191.3	246.9	184.1	62.84	3.929	
8,400.0	8,322.0	8,436.4	8,378.4	30.5	35.3	98.90	174.6	1,178.9	233.7	170.3	63.38	3.687	
8,500.0	8,422.0	8,534.0	8,475.2	30.5	35.7	98.23	179.0	1,167.3	221.3	157.3	63.92	3.461	
8,600.0	8,522.0	8,630.4	8,570.9	30.5	36.1	97.64	182.7	1,156.8	209.9	145.4	64.48	3.256	
8,700.0	8,622.0	8,732.9	8,672.7	30.6	36.5	96.80	187.1	1,145.2	198.1	133.2	64.91	3.052	
8,800.0	8,722.0	8,830.5	8,769.5	30.6	36.9	95.72	192.0	1,133.9	186.1	120.6	65.44	2.843 Normal Operations	
8,900.0	8,822.0	8,926.9	8,865.4	30.6	37.3	94.73	196.0	1,123.8	175.3	109.3	65.97	2.657 Normal Operations	
9,000.0	8,922.0	9,023.3	8,961.4	30.7	37.7	93.95	199.0	1,115.5	166.5	100.0	66.47	2.504 Normal Operations	
9,100.0	9,022.0	9,121.9	9,059.6	30.7	38.0	93.53	200.6	1,108.1	158.8	91.9	66.91	2.374 Caution - Monitor Closely	
9,200.0	9,122.0	9,220.8	9,158.3	30.7	38.4	93.54	201.0	1,101.2	151.8	84.4	67.34	2.254 Caution - Monitor Closely	
9,300.0	9,222.0	9,319.6	9,256.9	30.8	38.7	93.82	200.8	1,094.6	145.2	77.4	67.78	2.143 Caution - Monitor Closely	
9,400.0	9,322.0	9,416.8	9,353.9	30.8	39.0	93.41	202.1	1,089.6	139.9	71.8	68.18	2.052 Caution - Monitor Closely	
9,500.0	9,422.0	9,514.0	9,451.1	30.8	39.3	92.84	203.6	1,086.7	136.9	68.4	68.51	1.998 Caution - Monitor Closely	
9,600.0	9,522.0	9,613.5	9,550.5	30.9	39.6	92.33	204.9	1,084.9	135.1	66.3	68.79	1.963 Caution - Monitor Closely	
9,700.0	9,622.0	9,713.4	9,650.4	30.9	39.9	92.09	205.5	1,083.0	133.1	64.0	69.08	1.926 Caution - Monitor Closely	
9,794.9	9,716.9	9,805.9	9,742.9	30.9	40.1	91.03	208.0	1,081.9	131.9	62.6	69.36	1.902 Caution - Monitor Closely	

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 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2532 PROJECT - ZIA HILLS 25E FEDERAL COM 404H - ST01 - ST01 AWP												Offset Site Error:	0.0 usft
Survey Program: 205-r.5 MWD, 9809-r.5 MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,800.0	9,722.0	9,811.0	9,747.9	30.9	40.1	90.78	208.6	1,081.9	132.0	62.6	69.36	1.902	Caution - Monitor Closely
9,900.0	9,822.0	9,918.3	9,854.7	31.0	40.2	86.85	217.6	1,080.2	130.6	61.5	69.04	1.891	Caution - Monitor Closely
10,000.0	9,922.0	10,013.2	9,949.1	31.0	40.2	90.16	210.0	1,076.6	126.6	57.2	69.48	1.823	Caution - Monitor Closely
10,100.0	10,022.0	10,116.0	10,048.3	31.0	40.3	102.27	183.8	1,072.3	125.2	55.7	69.48	1.801	Caution - Monitor Closely, CC, ES, SF
10,104.4	10,026.5	10,120.1	10,052.2	31.0	40.3	102.93	182.4	1,072.0	125.2	55.7	69.42	1.803	Caution - Monitor Closely
10,200.0	10,122.0	10,202.0	10,126.5	31.1	40.3	118.13	149.0	1,064.8	132.0	66.2	65.79	2.006	Caution - Monitor Closely
10,300.0	10,222.0	10,275.3	10,188.8	31.1	40.3	132.50	110.9	1,058.6	158.8	100.3	58.48	2.715	Normal Operations
10,400.0	10,322.0	10,342.0	10,241.8	31.1	40.4	143.05	70.6	1,055.1	204.6	152.4	52.17	3.922	
10,500.0	10,422.0	10,397.7	10,283.5	31.2	40.4	149.50	33.8	1,054.1	262.9	214.6	48.23	5.450	
10,600.0	10,522.0	10,450.7	10,321.2	31.2	40.5	154.05	-3.6	1,054.1	328.7	282.7	46.05	7.138	
10,700.0	10,622.0	10,499.1	10,353.7	31.2	40.5	157.01	-39.4	1,056.0	400.3	355.4	44.89	8.916	
10,800.0	10,722.0	10,549.6	10,386.3	31.3	40.6	159.23	-77.7	1,059.3	475.2	430.8	44.35	10.714	
10,900.0	10,822.0	10,593.6	10,413.6	31.3	40.7	160.81	-112.0	1,062.2	552.5	508.4	44.06	12.540	
11,000.0	10,922.0	10,619.0	10,428.8	31.3	40.7	161.64	-132.4	1,063.8	632.5	588.7	43.86	14.421	
11,100.0	11,022.0	10,665.0	10,454.3	31.4	40.8	163.04	-170.6	1,066.2	714.9	671.0	43.93	16.273	
11,200.0	11,122.0	10,685.2	10,464.8	31.4	40.9	163.60	-187.8	1,067.2	799.4	755.4	44.00	18.167	
11,300.0	11,222.0	10,712.0	10,478.1	31.5	40.9	164.29	-211.0	1,068.6	885.7	841.5	44.19	20.045	
11,400.0	11,322.0	10,737.1	10,490.0	31.5	41.0	164.85	-233.1	1,070.1	973.3	928.8	44.42	21.910	

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

ConocoPhillips

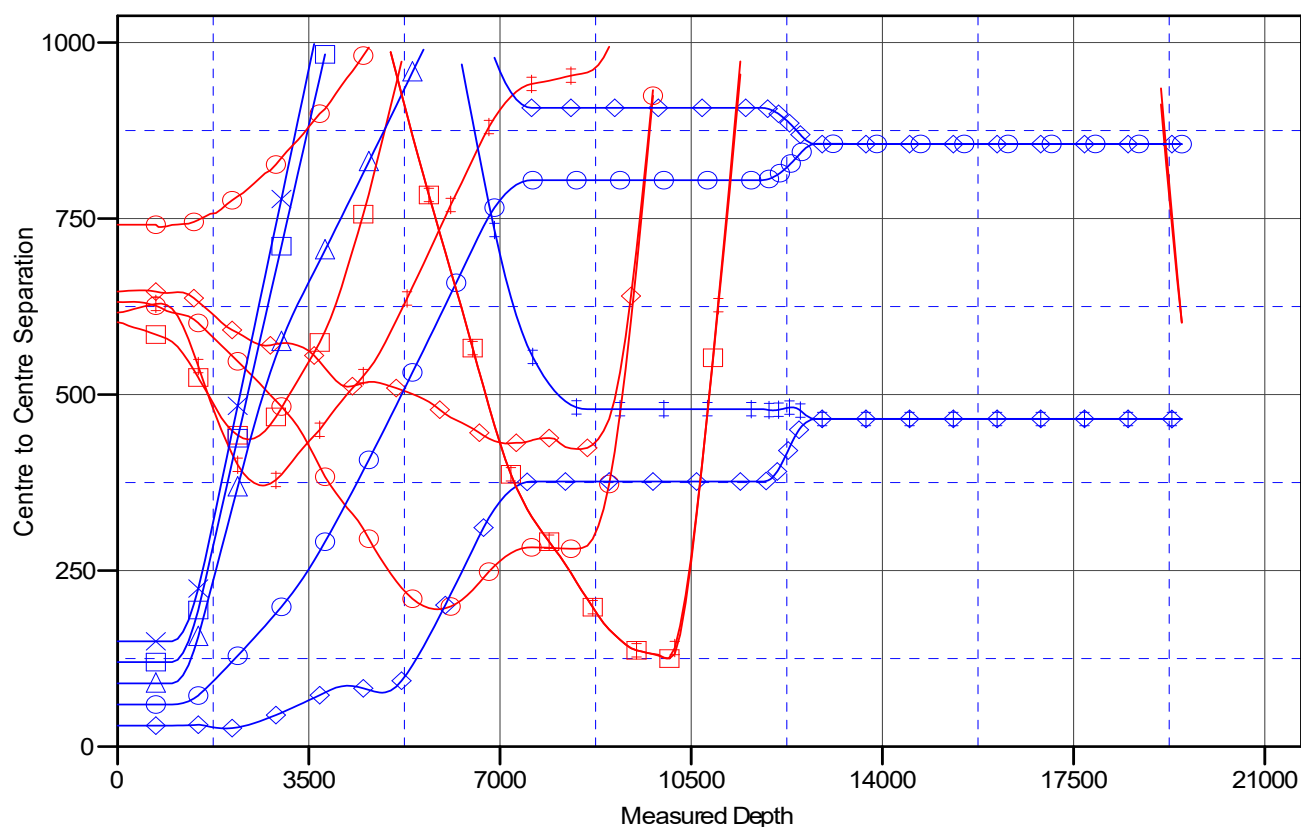
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 3135.0usft (Original Well Ele
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UN
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.37°

Ladder Plot



LEGEND

SD WE 24 FED P23 #2H, OWB, AWP V0
SD WE 24 FEDERAL P23 1H, OWB, AWP V0
SD WE 24 FED P23 4H, OWB, AWP V0
SD WE 24 FED P23 3H, OWB, AWP V0
SUN 54-2 1H, OWB, AWP V0
SUN 54-2 1H, ST01, ST01 AWP V0

_ZIA HILLS UNIT 2532 WC 701H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 702H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 703H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 704H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 705H, OWB, PWP0 V0
_ZIA HILLS UNIT 2532 WC 707H, OWB, PWP0 V0

_ZIA HILLS UNIT 2532 WC 714H, OWB, PWP0 V0
WILDER-FEDERAL #23 (P&A), OWB, AWP V0
ZIA HILLS 25E FEDERAL COM04H, OWB, AWP V0
ZIA HILLS 25E FEDERAL COM04H, ST01, ST01 AWP V0

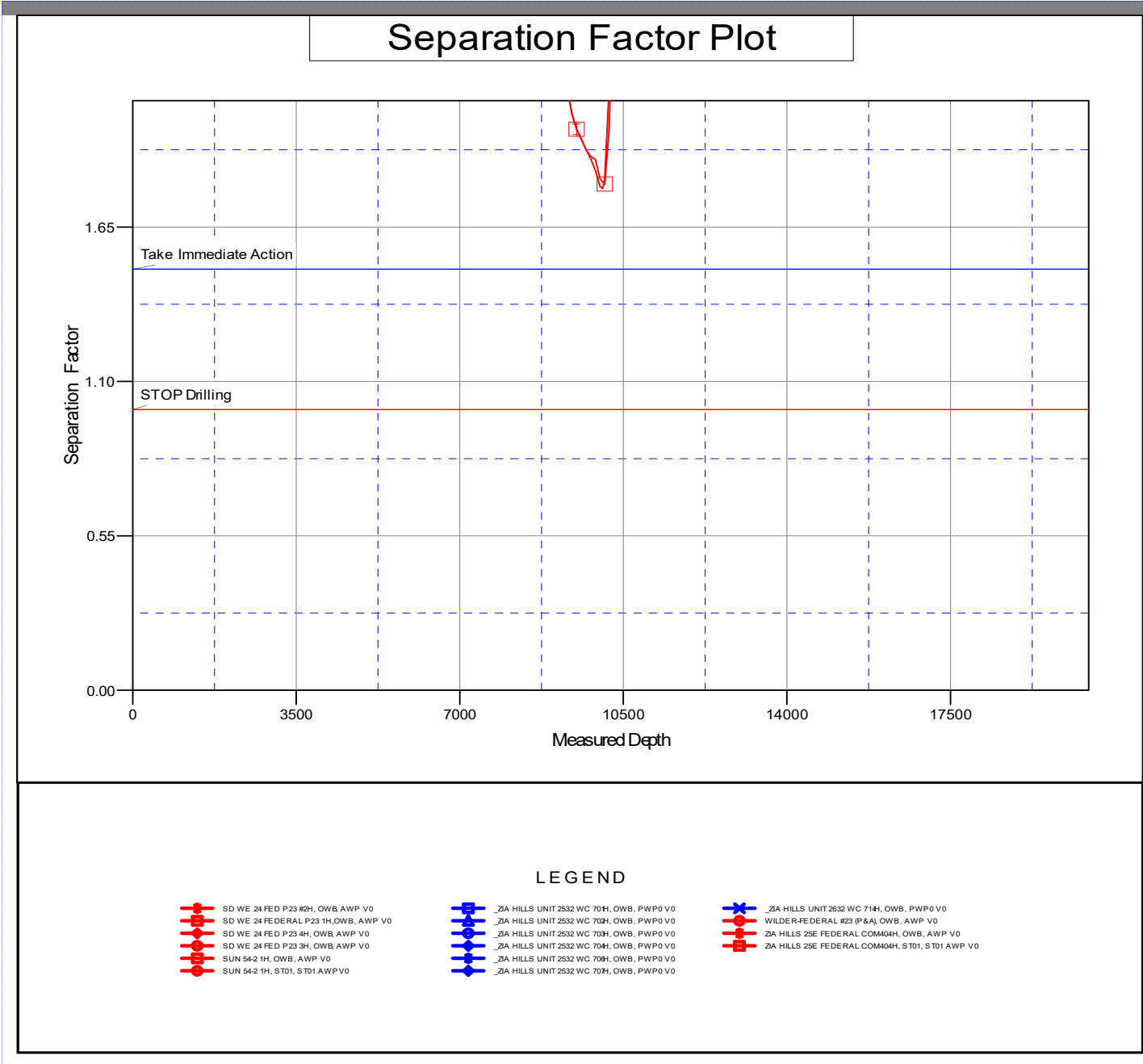
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UNIT2532 WC 705H
Project:	ZIA HILLS UNIT AREA	TVD Reference:	WELL @ 3135.0usft (Original Well Elev)
Reference Site:	ZIA HILLS UNIT 2532 PROJECT	MD Reference:	WELL @ 3135.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_ZIA HILLS UNIT 2532 WC 705H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 3135.0usft (Original Well Ele
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _ZIA HILLS UNIT 2532 WC 705H - Slot ZIA HILLS UN
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.37°



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	ZIA HILLS UNIT 2532 WC 705H
LOCATION:	Section 25, T.26 S., R.32 E., NMP
COUNTY:	Lea County, New Mexico

COA

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

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Primary Casing Design:

1. The **10-3/4** inch surface casing shall be set at approximately **750 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. **Keep casing full during run for collapse safety factor.** 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 or potash.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.
- ❖ 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.
 - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

Contingency Casing Design:

4. The 13-3/8 inch surface casing shall be set at approximately **750 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.
- e. 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.
 - f. 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)
- g. 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.
 - h. If cement falls back, remedial cementing will be done prior to drilling out that string.
5. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the 9-5/8 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 or potash.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.
 - ❖ 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.
6. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the 7-5/8 inch intermediate liner is:
- Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
7. 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.
 - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

C. PRESSURE CONTROL

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

the surface casing shoe shall be **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (70% Working Pressure) psi.**

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

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system) BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-689-5981 Lea County) 4 hours prior to BOPE tests.

- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Casing Clearance:

- The W441 connection should tie back 500'+ into the W513 intermediate casing for clearance overlap.

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

GENERAL REQUIREMENTS

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

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

☒ 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
 - i. Notify the BLM when moving in and removing the Spudder Rig.

- ii. 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.
 - iii. BOP/BOPE test to be conducted per **43 CFR 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. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

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 of both lead and tail cement, 2) until cement has been in place at least 8 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-Q 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 3172**.
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:

- i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. 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.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. 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.
 - i. 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).
 - ii. 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.)
 - iii. 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 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 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. 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.
 - v. The results of the test shall be reported to the appropriate BLM office.
 - vi. 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.
 - vii. 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.
 - viii. 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 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.

JS 4/8/2025

Sante Fe Main Office
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General Information
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Online Phone Directory
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 464023

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 464023
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
stanwagner	Cement is required to circulate on both surface and intermediate1 strings of casing.	5/16/2025
stanwagner	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	5/16/2025
matthew.gomez	Administrative order required for non-standard spacing unit prior to production.	8/6/2025
matthew.gomez	Prior to production of this well a change to the well name/number is required to comply with the OCD well naming convention.	8/6/2025
matthew.gomez	Out of compliance with Rule 19.15.5.9 Inactive Well List. Well cannot be produced until the operator is back in compliance.	8/6/2025
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	8/6/2025
matthew.gomez	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.	8/6/2025
matthew.gomez	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.	8/6/2025
matthew.gomez	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.	8/6/2025
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.	8/6/2025