

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well☐ Gas Well☐ Other

2. Name of Operator

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

3a. Address

3b. Phone No. (include area code)

10. Field and Pool or Exploratory Area

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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.

(Instructions on page 2)

Additional Information

Location of Well

0. SHL: NESE / 2410 FSL / 767 FEL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.027478 / LONG: -103.691069 (TVD: 0 feet, MD: 0 feet)

PPP: SENE / 2371 FNL / 990 FEL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.029031 / LONG: -103.691783 (TVD: 11795 feet, MD: 11900 feet)

BHL: NENE / 50 FNL / 990 FEL / TWSP: 26S / RANGE: 32E / SECTION: 17 / LAT: 32.0501 / LONG: -103.691794 (TVD: 11880 feet, MD: 19590 feet)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-45719	2 Pool Code 98081	3 Pool Name Zia Hills; Wolfcamp
4 Property Code	5 Property Name ZIA HILLS 20 FED COM	6 Well Number 110H
7 OGRID No. 217817	8 Operator Name CONOCOPHILLIPS COMPANY	9 Elevation 3142.1'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	20	26-S	32-E		2410'	SOUTH	767'	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	26-S	32-E		50'	NORTH	1170'	EAST	LEA

12 Dedicated Acres 13,383.35 Unit	13 Joint or Infill Infill	14 Consolidation Code Unit	15 Order No. R-20080
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16 CORNER DATA NEW MEXICO EAST - NAD 83 A - FOUND IRON PIPE W/ BRASS CAP N:382570.93' E:735744.95' B - FOUND IRON PIPE W/ BRASS CAP N:382588.66' E:738419.49' C - FOUND IRON PIPE W/ BRASS CAP N:382614.65' E:741090.20' D - FOUND IRON PIPE W/ BRASS CAP N:379941.58' E:741109.60' E - FOUND IRON PIPE W/ BRASS CAP N:377269.22' E:741128.24' F - FOUND IRON PIPE W/ BRASS CAP N:374596.59' E:741140.55' G - FOUND IRON PIPE W/ BRASS CAP N:371924.06' E:741150.79' H - FOUND IRON PIPE W/ BRASS CAP N:371901.14' E:738488.27' I - FOUND IRON PIPE W/ BRASS CAP N:371879.35' E:735833.03' J - FOUND IRON PIPE W/ BRASS CAP N:374544.72' E:735819.04' K - FOUND IRON PIPE W/ BRASS CAP N:377224.61' E:735795.66' L - FOUND IRON PIPE W/ BRASS CAP N:379892.50' E:735778.31' M - FOUND IRON PIPE W/ BRASS CAP N:377246.91' E:738461.95' SURFACE HOLE LOCATION (SHL) NEW MEXICO EAST - NAD 83 X=740374.37 LAT.= 32.02747866° N Y=374327.04 LONG.= -103.69106850° W 2410' FSL, 767' FEL - SECTION 20 FIRST TAKE POINT (FTP) NEW MEXICO EAST - NAD 83 X=739968.91 LAT.= 32.02919614° N Y=374949.44 LONG.= -103.69236488° W 2310' FNL, 1170' FEL - SECTION 20 LAST TAKE POINT (LTP) NEW MEXICO EAST - NAD 83 X=739920.97 LAT.= 32.04996100° N Y=382503.27 LONG.= -103.69237491° W 100' FNL, 1170' FEL - SECTION 17 BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST - NAD 83 X=739920.61 LAT.= 32.05009844° N Y=382553.27 LONG.= -103.69237512° W 50' FNL, 1170' FEL - SECTION 17	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 4/7/2022 Signature Date Stan Wagner Printed Name E-mail Address 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. _____ Date of Survey _____ Signature and Seal of Professional Surveyor MARK J. MURRAY NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 12177 3/18/2022 Certificate Number
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ConocoPhillips - Zia Hills 20 Fed Com 110H

1. Geologic Formations

TVD of target	11,732' EOL	Pilot hole depth	NA
MD at TD:	19,639'	Deepest expected fresh water:	405'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1075	Water	
Top of Salt	1407	Salt	
Base of Salt	4109	Salt	
Lamar	4307	Salt Water	
Bell Canyon	4363	Salt Water	
Cherry Canyon	5258	Oil/Gas	
Brushy Canyon	6794	Oil/Gas	
Bone Spring	8357	Oil/Gas	
1st Bone Spring Sand	9327	Oil/Gas	
2nd Bone Spring Sand	9987	Oil/Gas	
3rd Bone Spring Carb	10403	Oil/Gas	
3rd Bone Spring Sand	11121	Oil/Gas	
Wolfcamp	11553	Oil/Gas	
Wolfcamp A	11762	Target - Oil/Gas	
Wolfcamp B	12087	Not Penetrated	Abnormal Press.

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	1357	10.75"	45.5	J55	BTC	3.37	1.14	12.89	12.89
9.875"	0	8500	7.625"	29.7	L80	BTC	1.48	1.07	2.71	2.85
8.750"	8500	11071	7.625"	29.7	P110	Wedge 513	1.42	1.51	2.86	1.72
6.75"	0	10871	5.5"	23	P110	TXP BTC	1.91	2.25	2.70	2.70
6.75"	10871	19,639	5.5"	23	P110	Wedge 441	1.91	2.25	2.70	2.45
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

The 5.5" 23# Wedge 441 casing will be run back 200' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

ConocoPhillips - Zia Hills 20 Fed Com 110H

	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 - Zia Hills 20 Fed Com 110H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	647	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
Inter. Stage 1	810	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	504	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	827	14.4	1.24	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	8,000'	35% OH in Lateral (KOP to EOL)

ConocoPhillips - Zia Hills 20 Fed Com 110H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
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BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
9-7/8"	13-5/8"	5M	Annular	x	2500psi
			Blind Ram	x	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	10M	5M Annular	x	3500 psi
			Blind Ram	x	10000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		

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

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

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

ConocoPhillips - Zia Hills 20 Fed Com 110H

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	12 - 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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6. Logging and Testing Procedures

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

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

ConocoPhillips - Zia Hills 20 Fed Com 110H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7630 psi at 11732' TVD
Abnormal Temperature	NO 175 Deg. F.

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

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

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

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

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

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS 20 FED COM PROJECT

ZIA HILLS 20 FED COM #110H

OWB

PWP1

Anticollision Report

05 April, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	Stations
Depth Range:	Unlimited
Results Limited by:	Maximum centre distance of 1,000.0usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date	4/4/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	11,275.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
11,275.0	19,638.6	PWP1 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Separation Between Ellipses (usft)	Warning	
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
*ZIA HILLS 20 FED COM #103H - OWB - PWP1	11,760.2	11,711.3	420.4	400.9	21.616 CC	
*ZIA HILLS 20 FED COM #103H - OWB - PWP1	19,586.3	19,606.1	449.0	323.8	3.585 ES, SF	
ZIA HILLS 20 FED COM #102H - OWB - PWP1	19,635.6	19,389.9	840.0	716.5	6.800 CC	
ZIA HILLS 20 FED COM #102H - OWB - PWP1	19,639.6	19,390.9	840.0	716.5	6.799 ES, SF	
ZIA HILLS 20 FED COM #111H - OWB - PWP1	2,500.0	2,500.1	33.0	26.1	4.783 CC, ES	
ZIA HILLS 20 FED COM #111H - OWB - PWP1	19,639.6	19,917.9	450.1	322.8	3.534 SF	
ZIA HILLS 20 FED COM #112H - OWB - PWP1	2,500.0	2,499.9	66.2	59.3	9.602 CC, ES	
ZIA HILLS 20 FED COM #112H - OWB - PWP1	19,639.6	19,642.4	840.0	714.5	6.694 SF	
ZIA HILLS 20 FED COM #114H - OWB - PWP1	2,722.9	2,725.7	137.8	128.7	15.109 CC, ES	
ZIA HILLS 20 FED COM #114H - OWB - PWP1	2,800.0	2,802.4	138.4	129.2	15.022 SF	
ZIA HILLS 20 FED COM #115H - OWB - PWP1	2,500.0	2,499.2	143.9	135.2	16.548 CC, ES	
ZIA HILLS 20 FED COM #115H - OWB - PWP1	2,600.0	2,599.0	144.9	136.0	16.435 SF	
ZIA HILLS UNIT 2032 PROJECT						
BUCK 20 FEDERAL #1H - OWB - AWP	9,280.5	11,795.5	772.2	712.8	13.007 CC, ES, SF	
BUCK 20 FEDERAL #2H - OWB - AWP	9,247.5	11,480.3	632.7	579.8	11.953 CC, ES, SF	
BUCK 20 FEDERAL #5H - OWB - AWP	8,851.9	10,575.5	135.3	88.6	2.897 CC, ES, SF	
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	6,921.3	6,899.7	925.4	897.1	32.632 CC, ES	
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	8,500.0	8,413.6	994.9	960.7	29.035 SF	
ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP	11,570.0	11,548.7	850.0	803.4	18.222 CC, ES	
ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP	11,600.0	11,572.3	850.2	803.5	18.216 SF	
ZIA HILLS 20 FEDERAL COM #106H - ST01 - ST01	11,450.0	11,518.1	834.0	788.5	18.332 SF	
ZIA HILLS 20 FEDERAL COM #106H - ST01 - ST01	11,517.5	11,551.8	831.9	786.6	18.365 CC, ES	
ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP	11,475.0	11,526.2	604.8	557.9	12.877 SF	
ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP	11,520.0	11,554.3	603.6	556.7	12.891 CC, ES	
ZIA HILLS UNIT 2032 BS #13H - OWB - PWP1	2,887.2	2,820.2	658.3	644.0	46.133 CC	
ZIA HILLS UNIT 2032 BS #13H - OWB - PWP1	2,900.0	2,830.8	658.3	644.0	46.000 ES	
ZIA HILLS UNIT 2032 BS #13H - OWB - PWP1	6,900.0	6,798.3	853.7	821.3	26.377 SF	
ZIA HILLS UNIT 2032 BS #14H - OWB - PWP1	2,853.0	2,789.2	632.1	624.1	78.839 CC, ES	
ZIA HILLS UNIT 2032 BS #14H - OWB - PWP1	10,000.0	10,637.7	995.8	972.5	42.881 SF	
ZIA HILLS UNIT 2032 BS #15H - OWB - PWP1	10,247.0	10,608.4	90.9	45.6	2.007 CC, ES, SF	
ZIA HILLS UNIT 2032 BS #16H - OWB - PWP1	5,455.0	5,448.3	215.5	203.9	18.554 CC, ES	
ZIA HILLS UNIT 2032 BS #16H - OWB - PWP1	5,500.0	5,492.5	215.6	204.0	18.515 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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
*ZIA HILLS 20 FED COM #103H - OWB - PWP1	19,639.6	19,608.0	452.0	327.2	3.624	
ZIA HILLS 20 FED COM #102H - OWB - PWP1	19,639.6	19,390.9	840.0	716.5	6.799	ES, SF
ZIA HILLS 20 FED COM #111H - OWB - PWP1	19,639.6	19,917.9	450.1	322.8	3.534	SF
ZIA HILLS 20 FED COM #112H - OWB - PWP1	19,639.6	19,642.4	840.0	714.5	6.694	SF
ZIA HILLS 20 FED COM #114H - OWB - PWP1	19,639.6	11,275.0				Out of Range @TD
ZIA HILLS 20 FED COM #115H - OWB - PWP1	19,639.6	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 PROJECT						
BUCK 20 FEDERAL #1H - OWB - AWP	19,639.6	8,800.0				Out of Range @TD
BUCK 20 FEDERAL #2H - OWB - AWP	19,639.6	8,941.0				Out of Range @TD
BUCK 20 FEDERAL #5H - OWB - AWP	19,639.6	8,439.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP	19,639.6	11,211.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP	19,639.6	11,639.2				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #106H - ST01 - ST01	19,639.6	11,259.0				Out of Range @TD
ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP	19,639.6	11,211.0				Out of Range @TD
ZIA HILLS UNIT 2032 BS #13H - OWB - PWP1	19,639.6	9,975.0				Out of Range @TD
ZIA HILLS UNIT 2032 BS #14H - OWB - PWP1	19,639.6	9,900.0				Out of Range @TD
ZIA HILLS UNIT 2032 BS #15H - OWB - PWP1	19,639.6	9,875.0				Out of Range @TD
ZIA HILLS UNIT 2032 BS #16H - OWB - PWP1	19,639.6	9,900.0				Out of Range @TD

Offset Design: ZIA HILLS 20 FED COM PROJECT - *ZIA HILLS 20 FED COM #103H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 11452-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:			Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,800.0	3,794.0	3,935.0	3,922.3	5.3	5.1	-3.68	289.0	-1,053.3	979.1	970.3	8.76	111.798	
3,900.0	3,893.4	4,032.5	4,019.1	5.4	5.2	-3.53	289.0	-1,041.5	957.0	948.1	8.93	107.170	
4,000.0	3,992.9	4,130.0	4,115.9	5.4	5.3	-3.38	289.0	-1,029.6	935.0	925.8	9.11	102.672	
4,100.0	4,092.3	4,227.5	4,212.6	5.5	5.4	-3.22	289.0	-1,017.7	912.9	903.6	9.29	98.307	
4,200.0	4,191.8	4,325.0	4,309.4	5.6	5.4	-3.05	289.0	-1,005.8	890.8	881.4	9.47	94.072	
4,300.0	4,291.2	4,422.5	4,406.2	5.7	5.5	-2.87	289.0	-993.9	868.8	859.1	9.66	89.968	
4,400.0	4,390.7	4,520.0	4,503.0	5.8	5.6	-2.68	289.0	-982.0	846.8	836.9	9.85	85.993	
4,500.0	4,490.1	4,617.5	4,599.8	5.9	5.7	-2.48	289.0	-970.2	824.7	814.7	10.04	82.144	
4,600.0	4,589.6	4,715.0	4,696.5	6.0	5.8	-2.27	289.0	-958.3	802.7	792.5	10.24	78.420	
4,700.0	4,689.0	4,812.5	4,793.3	6.1	5.9	-2.05	289.0	-946.4	780.7	770.3	10.44	74.816	
4,800.0	4,788.5	4,910.0	4,890.1	6.2	6.0	-1.82	289.0	-934.5	758.7	748.1	10.64	71.332	
4,900.0	4,887.9	5,007.5	4,986.9	6.3	6.1	-1.57	289.0	-922.6	736.7	725.9	10.84	67.962	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - *ZIA HILLS 20 FED COM #103H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11452-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,000.0	4,987.4	5,105.0	5,083.6	6.4	6.2	-1.31	289.0	-910.8	714.8	703.7	11.05	64.704		
5,100.0	5,086.9	5,202.5	5,180.4	6.5	6.3	-1.03	289.0	-898.9	692.8	681.6	11.26	61.555		
5,200.0	5,186.3	5,300.0	5,277.2	6.6	6.4	-0.73	289.0	-887.0	670.9	659.4	11.47	58.510		
5,300.0	5,285.8	5,397.5	5,374.0	6.7	6.5	-0.42	289.0	-875.1	649.0	637.3	11.68	55.568		
5,400.0	5,385.2	5,492.9	5,468.6	6.8	6.6	-0.08	289.0	-863.5	627.1	615.2	11.89	52.748		
5,500.0	5,484.7	5,581.6	5,556.7	6.9	6.7	0.21	289.0	-853.7	606.3	594.2	12.09	50.164		
5,600.0	5,584.1	5,670.8	5,645.6	7.0	6.8	0.49	289.0	-845.2	586.9	574.6	12.29	47.775		
5,700.0	5,683.6	5,760.6	5,735.1	7.1	6.9	0.74	289.0	-838.1	569.0	556.6	12.49	45.572		
5,800.0	5,783.0	5,850.9	5,825.2	7.2	7.0	0.95	289.0	-832.3	552.6	539.9	12.69	43.551		
5,900.0	5,882.5	5,941.6	5,915.8	7.3	7.1	1.12	289.0	-828.0	537.7	524.8	12.89	41.704		
6,000.0	5,981.9	6,032.7	6,006.9	7.4	7.2	1.25	289.0	-825.0	524.2	511.1	13.10	40.022		
6,100.0	6,081.4	6,124.2	6,098.4	7.5	7.3	1.33	289.0	-823.6	512.2	498.9	13.30	38.522		
6,200.0	6,180.8	6,219.7	6,193.8	7.7	7.4	1.37	289.0	-823.4	501.6	488.1	13.46	37.272		
6,300.0	6,280.3	6,319.2	6,293.3	7.8	7.4	1.39	289.0	-823.4	491.1	477.5	13.60	36.108		
6,406.5	6,386.2	6,425.1	6,399.2	7.9	7.5	1.43	289.0	-823.4	480.0	466.3	13.76	34.892		
6,500.0	6,479.3	6,518.1	6,492.3	8.0	7.6	1.45	289.0	-823.4	471.0	457.1	13.89	33.899		
6,600.0	6,578.9	6,617.8	6,591.9	8.1	7.7	1.47	289.0	-823.4	463.0	449.0	14.04	32.974		
6,700.0	6,678.7	6,717.6	6,691.7	8.2	7.8	1.49	289.0	-823.4	456.8	442.6	14.19	32.188		
6,800.0	6,778.6	6,817.5	6,791.6	8.3	7.9	1.51	289.0	-823.4	452.4	438.0	14.34	31.538		
6,900.0	6,878.6	6,917.5	6,891.6	8.4	8.0	1.52	289.0	-823.4	449.6	435.1	14.50	31.019		
7,006.5	6,985.1	7,024.0	6,998.1	8.5	8.1	-69.92	289.0	-823.4	448.6	434.0	14.63	30.663		
7,100.0	7,078.6	7,117.5	7,091.6	8.6	8.2	-69.92	289.0	-823.4	448.6	433.9	14.73	30.463		
7,200.0	7,178.6	7,217.5	7,191.6	8.7	8.3	-69.92	289.0	-823.4	448.6	433.8	14.83	30.249		
7,300.0	7,278.6	7,317.5	7,291.6	8.8	8.3	-69.92	289.0	-823.4	448.6	433.7	14.94	30.036		
7,400.0	7,378.6	7,417.5	7,391.6	8.9	8.4	-69.92	289.0	-823.4	448.6	433.6	15.04	29.824		
7,500.0	7,478.6	7,517.5	7,491.6	9.0	8.5	-69.92	289.0	-823.4	448.6	433.5	15.15	29.614		
7,600.0	7,578.6	7,617.5	7,591.6	9.2	8.6	-69.92	289.0	-823.4	448.6	433.4	15.26	29.404		
7,700.0	7,678.6	7,717.5	7,691.6	9.3	8.7	-69.92	289.0	-823.4	448.6	433.3	15.37	29.196		
7,800.0	7,778.6	7,817.5	7,791.6	9.4	8.8	-69.92	289.0	-823.4	448.6	433.2	15.48	28.990		
7,900.0	7,878.6	7,917.5	7,891.6	9.5	8.9	-69.92	289.0	-823.4	448.6	433.0	15.59	28.784		
8,000.0	7,978.6	8,017.5	7,991.6	9.6	9.0	-69.92	289.0	-823.4	448.6	432.9	15.70	28.580		
8,100.0	8,078.6	8,117.5	8,091.6	9.7	9.1	-69.92	289.0	-823.4	448.6	432.8	15.81	28.377		
8,200.0	8,178.6	8,217.5	8,191.6	9.8	9.2	-69.92	289.0	-823.4	448.6	432.7	15.92	28.176		
8,300.0	8,278.6	8,317.5	8,291.6	9.9	9.3	-69.92	289.0	-823.4	448.6	432.6	16.04	27.976		
8,400.0	8,378.6	8,417.5	8,391.6	10.0	9.4	-69.92	289.0	-823.4	448.6	432.5	16.15	27.778		
8,500.0	8,478.6	8,517.5	8,491.6	10.1	9.5	-69.92	289.0	-823.4	448.6	432.4	16.27	27.581		
8,600.0	8,578.6	8,617.5	8,591.6	10.2	9.6	-69.92	289.0	-823.4	448.6	432.3	16.38	27.385		
8,700.0	8,678.6	8,717.5	8,691.6	10.3	9.8	-69.92	289.0	-823.4	448.6	432.1	16.50	27.191		
8,800.0	8,778.6	8,817.5	8,791.6	10.4	9.9	-69.92	289.0	-823.4	448.6	432.0	16.62	26.999		
8,900.0	8,878.6	8,917.5	8,891.6	10.6	10.0	-69.92	289.0	-823.4	448.6	431.9	16.73	26.808		
9,000.0	8,978.6	9,017.5	8,991.6	10.7	10.1	-69.92	289.0	-823.4	448.6	431.8	16.85	26.619		
9,100.0	9,078.6	9,117.5	9,091.6	10.8	10.2	-69.92	289.0	-823.4	448.6	431.7	16.97	26.432		
9,200.0	9,178.6	9,217.5	9,191.6	10.9	10.3	-69.92	289.0	-823.4	448.6	431.5	17.09	26.246		
9,300.0	9,278.6	9,317.5	9,291.6	11.0	10.4	-69.92	289.0	-823.4	448.6	431.4	17.21	26.061		
9,400.0	9,378.6	9,417.5	9,391.6	11.1	10.5	-69.92	289.0	-823.4	448.6	431.3	17.34	25.878		
9,500.0	9,478.6	9,517.5	9,491.6	11.2	10.6	-69.92	289.0	-823.4	448.6	431.2	17.46	25.697		
9,600.0	9,578.6	9,617.5	9,591.6	11.3	10.7	-69.92	289.0	-823.4	448.6	431.1	17.58	25.518		
9,700.0	9,678.6	9,717.5	9,691.6	11.5	10.8	-69.92	289.0	-823.4	448.6	430.9	17.70	25.340		
9,800.0	9,778.6	9,817.5	9,791.6	11.6	10.9	-69.92	289.0	-823.4	448.6	430.8	17.83	25.164		
9,900.0	9,878.6	9,917.5	9,891.6	11.7	11.0	-69.92	289.0	-823.4	448.6	430.7	17.95	24.989		
10,000.0	9,978.6	10,017.5	9,991.6	11.8	11.2	-69.92	289.0	-823.4	448.6	430.6	18.08	24.816		
10,100.0	10,078.6	10,117.5	10,091.6	11.9	11.3	-69.92	289.0	-823.4	448.6	430.4	18.20	24.645		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - *ZIA HILLS 20 FED COM #103H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11452-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
10,200.0	10,178.6	10,217.5	10,191.6	12.0	11.4	-69.92	289.0	-823.4	448.6	430.3	18.33	24.475		
10,300.0	10,278.6	10,317.5	10,291.6	12.1	11.5	-69.92	289.0	-823.4	448.6	430.2	18.46	24.307		
10,400.0	10,378.6	10,417.5	10,391.6	12.3	11.6	-69.92	289.0	-823.4	448.6	430.0	18.58	24.140		
10,500.0	10,478.6	10,517.5	10,491.6	12.4	11.7	-69.92	289.0	-823.4	448.6	429.9	18.71	23.975		
10,600.0	10,578.6	10,617.5	10,591.6	12.5	11.8	-69.92	289.0	-823.4	448.6	429.8	18.84	23.812		
10,700.0	10,678.6	10,717.5	10,691.6	12.6	11.9	-69.92	289.0	-823.4	448.6	429.7	18.97	23.650		
10,800.0	10,778.6	10,817.5	10,791.6	12.7	12.1	-69.92	289.0	-823.4	448.6	429.5	19.10	23.490		
10,900.0	10,878.6	10,917.5	10,891.6	12.8	12.2	-69.92	289.0	-823.4	448.6	429.4	19.23	23.332		
11,000.0	10,978.6	11,017.5	10,991.6	13.0	12.3	-69.92	289.0	-823.4	448.6	429.3	19.36	23.175		
11,100.0	11,078.6	11,117.5	11,091.6	13.1	12.4	-69.92	289.0	-823.4	448.6	429.1	19.49	23.019		
11,200.0	11,178.6	11,217.5	11,191.6	13.2	12.5	-69.92	289.0	-823.4	448.6	429.0	19.62	22.865		
11,275.9	11,254.5	11,293.4	11,267.5	13.2	12.6	-69.92	289.0	-823.4	448.6	428.9	19.70	22.776		
11,300.0	11,278.6	11,317.5	11,291.6	13.3	12.6	-69.65	289.0	-823.4	448.4	428.7	19.71	22.751		
11,325.0	11,303.5	11,342.4	11,316.5	13.3	12.7	-69.95	289.0	-823.4	447.8	428.0	19.72	22.709		
11,350.0	11,328.3	11,367.2	11,341.3	13.3	12.7	-70.46	289.0	-823.4	446.7	426.9	19.72	22.656		
11,375.0	11,352.9	11,391.8	11,365.9	13.3	12.7	-71.17	289.0	-823.4	445.2	425.5	19.70	22.592		
11,400.0	11,377.2	11,416.1	11,390.2	13.4	12.7	-72.08	289.0	-823.4	443.3	423.6	19.68	22.523		
11,425.0	11,401.2	11,440.1	11,414.2	13.4	12.8	-73.17	289.0	-823.4	441.1	421.4	19.65	22.448		
11,450.0	11,424.8	11,461.3	11,435.4	13.4	12.8	-74.32	289.1	-823.4	438.7	419.1	19.61	22.370		
11,475.0	11,447.9	11,480.0	11,454.1	13.5	12.8	-75.42	289.8	-823.4	436.3	416.7	19.58	22.287		
11,500.0	11,470.5	11,500.0	11,474.0	13.5	12.8	-76.61	291.4	-823.4	434.0	414.4	19.55	22.204		
11,525.0	11,492.5	11,518.0	11,491.9	13.5	12.8	-77.73	293.5	-823.4	431.8	412.3	19.53	22.109		
11,550.0	11,513.8	11,537.3	11,511.0	13.6	12.8	-78.93	296.6	-823.4	429.7	410.2	19.51	22.025		
11,575.0	11,534.4	11,556.9	11,530.2	13.6	12.9	-80.17	300.4	-823.4	427.8	408.3	19.49	21.947		
11,600.0	11,554.3	11,576.7	11,549.4	13.6	12.9	-81.43	305.1	-823.5	426.0	406.6	19.47	21.879		
11,625.0	11,573.3	11,596.8	11,568.7	13.7	12.9	-82.72	310.7	-823.5	424.5	405.0	19.45	21.822		
11,650.0	11,591.5	11,617.2	11,588.1	13.7	12.9	-84.03	317.2	-823.5	423.2	403.7	19.43	21.776		
11,675.0	11,608.7	11,637.9	11,607.4	13.7	13.0	-85.36	324.6	-823.6	422.1	402.7	19.42	21.738		
11,700.0	11,625.0	11,659.0	11,626.7	13.8	13.0	-86.71	333.0	-823.6	421.2	401.8	19.41	21.706		
11,725.0	11,640.2	11,680.4	11,646.0	13.8	13.0	-88.07	342.5	-823.7	420.7	401.3	19.41	21.674		
11,750.0	11,654.4	11,702.3	11,665.2	13.8	13.1	-89.44	353.0	-823.8	420.4	401.0	19.43	21.636		
11,760.2	11,659.9	11,711.3	11,672.9	13.9	13.1	-90.00	357.5	-823.8	420.4	400.9	19.45	21.616 CC		
11,775.0	11,667.5	11,724.6	11,684.2	13.9	13.1	-90.82	364.6	-823.8	420.4	400.9	19.48	21.582		
11,800.0	11,679.5	11,747.4	11,703.1	13.9	13.1	-92.21	377.3	-823.9	420.8	401.2	19.57	21.504		
11,825.0	11,690.3	11,770.7	11,721.8	13.9	13.2	-93.60	391.3	-824.0	421.4	401.7	19.70	21.390		
11,850.0	11,699.9	11,794.7	11,740.2	14.0	13.2	-94.99	406.6	-824.1	422.4	402.5	19.89	21.232		
11,875.0	11,708.3	11,819.2	11,758.3	14.0	13.2	-96.38	423.2	-824.2	423.7	403.6	20.15	21.023		
11,900.0	11,715.5	11,844.4	11,776.0	14.0	13.3	-97.77	441.1	-824.3	425.3	404.9	20.49	20.759		
11,925.0	11,721.3	11,870.4	11,793.1	14.0	13.3	-99.16	460.6	-824.4	427.3	406.4	20.91	20.438		
11,950.0	11,725.9	11,897.2	11,809.7	14.0	13.3	-100.53	481.6	-824.6	429.5	408.1	21.40	20.067		
11,975.0	11,729.3	11,924.8	11,825.5	14.1	13.4	-101.90	504.3	-824.7	432.0	410.0	21.98	19.653		
12,000.0	11,731.3	11,953.4	11,840.5	14.1	13.4	-103.26	528.6	-824.9	434.8	412.1	22.64	19.207		
12,025.9	11,732.0	11,984.1	11,854.9	14.1	13.5	-104.66	555.7	-825.0	437.9	414.5	23.38	18.726		
12,100.0	11,732.0	12,081.2	11,888.7	14.1	13.6	-108.87	646.6	-825.6	445.8	420.3	25.49	17.487		
12,200.0	11,732.0	12,219.8	11,904.0	14.2	13.6	-110.72	783.9	-826.5	449.4	422.4	26.98	16.660		
12,300.0	11,732.0	12,319.8	11,904.0	14.3	13.7	-110.72	883.9	-827.1	449.4	421.8	27.57	16.302		
12,400.0	11,732.0	12,419.8	11,904.0	14.3	13.8	-110.72	983.9	-827.7	449.4	421.2	28.21	15.930		
12,500.0	11,732.0	12,519.8	11,904.0	14.5	13.9	-110.72	1,083.9	-828.4	449.4	420.5	28.92	15.539		
12,600.0	11,732.0	12,619.8	11,904.0	14.6	14.0	-110.72	1,183.9	-829.0	449.4	419.7	29.69	15.134		
12,700.0	11,732.0	12,719.8	11,904.0	14.8	14.2	-110.72	1,283.9	-829.6	449.4	418.9	30.52	14.722		
12,800.0	11,732.0	12,819.8	11,904.0	15.0	14.4	-110.72	1,383.9	-830.3	449.4	418.0	31.41	14.308		
12,900.0	11,732.0	12,919.8	11,904.0	15.3	14.6	-110.72	1,483.9	-830.9	449.4	417.0	32.34	13.895		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - *ZIA HILLS 20 FED COM #103H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11452-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
13,000.0	11,732.0	13,019.8	11,904.0	15.7	14.9	-110.72	1,583.9	-831.5	449.4	416.1	33.32	13.488		
13,100.0	11,732.0	13,119.8	11,904.0	16.1	15.3	-110.72	1,683.9	-832.1	449.4	415.0	34.33	13.088		
13,200.0	11,732.0	13,219.8	11,904.0	16.6	15.7	-110.72	1,783.9	-832.8	449.4	414.0	35.39	12.698		
13,300.0	11,732.0	13,319.8	11,904.0	17.1	16.2	-110.72	1,883.9	-833.4	449.4	412.9	36.48	12.319		
13,400.0	11,732.0	13,419.8	11,904.0	17.6	16.7	-110.72	1,983.9	-834.0	449.4	411.8	37.60	11.952		
13,500.0	11,732.0	13,519.8	11,904.0	18.2	17.3	-110.72	2,083.9	-834.7	449.3	410.6	38.74	11.598		
13,600.0	11,732.0	13,619.8	11,904.0	18.8	17.9	-110.72	2,183.9	-835.3	449.3	409.4	39.92	11.257		
13,700.0	11,732.0	13,719.8	11,904.0	19.4	18.5	-110.72	2,283.9	-835.9	449.3	408.2	41.11	10.929		
13,800.0	11,732.0	13,819.8	11,904.0	20.1	19.1	-110.72	2,383.9	-836.6	449.3	407.0	42.33	10.614		
13,900.0	11,732.0	13,919.8	11,904.0	20.7	19.7	-110.72	2,483.9	-837.2	449.3	405.8	43.57	10.312		
14,000.0	11,732.0	14,019.8	11,904.0	21.4	20.4	-110.72	2,583.9	-837.8	449.3	404.5	44.83	10.023		
14,100.0	11,732.0	14,119.8	11,904.0	22.0	21.0	-110.72	2,683.9	-838.4	449.3	403.2	46.10	9.746		
14,200.0	11,732.0	14,219.8	11,904.0	22.7	21.7	-110.72	2,783.9	-839.1	449.3	401.9	47.39	9.481		
14,300.0	11,732.0	14,319.8	11,904.0	23.4	22.4	-110.72	2,883.9	-839.7	449.3	400.6	48.70	9.227		
14,400.0	11,732.0	14,419.8	11,904.0	24.1	23.0	-110.72	2,983.9	-840.3	449.3	399.3	50.01	8.984		
14,500.0	11,732.0	14,519.8	11,904.0	24.8	23.7	-110.73	3,083.9	-841.0	449.3	398.0	51.34	8.751		
14,600.0	11,732.0	14,619.8	11,904.0	25.5	24.4	-110.73	3,183.9	-841.6	449.3	396.6	52.68	8.528		
14,700.0	11,732.0	14,719.8	11,904.0	26.2	25.1	-110.73	3,283.9	-842.2	449.3	395.3	54.03	8.315		
14,800.0	11,732.0	14,819.8	11,904.0	26.9	25.8	-110.73	3,383.9	-842.9	449.3	393.9	55.39	8.111		
14,900.0	11,732.0	14,919.8	11,904.0	27.6	26.5	-110.73	3,483.8	-843.5	449.3	392.5	56.76	7.915		
15,000.0	11,732.0	15,019.8	11,904.0	28.3	27.2	-110.73	3,583.8	-844.1	449.3	391.1	58.14	7.728		
15,100.0	11,732.0	15,119.8	11,904.0	29.0	27.9	-110.73	3,683.8	-844.7	449.3	389.7	59.52	7.548		
15,200.0	11,732.0	15,219.8	11,904.0	29.8	28.6	-110.73	3,783.8	-845.4	449.3	388.3	60.91	7.376		
15,300.0	11,732.0	15,319.8	11,904.0	30.5	29.4	-110.73	3,883.8	-846.0	449.3	386.9	62.31	7.210		
15,400.0	11,732.0	15,419.8	11,904.0	31.2	30.1	-110.73	3,983.8	-846.6	449.3	385.5	63.71	7.051		
15,500.0	11,732.0	15,519.8	11,904.0	31.9	30.8	-110.73	4,083.8	-847.3	449.2	384.1	65.12	6.898		
15,600.0	11,732.0	15,619.8	11,904.0	32.7	31.5	-110.73	4,183.8	-847.9	449.2	382.7	66.54	6.751		
15,700.0	11,732.0	15,719.8	11,904.0	33.4	32.3	-110.73	4,283.8	-848.5	449.2	381.3	67.96	6.610		
15,800.0	11,732.0	15,819.8	11,904.0	34.1	33.0	-110.73	4,383.8	-849.2	449.2	379.8	69.39	6.474		
15,900.0	11,732.0	15,919.8	11,904.0	34.8	33.7	-110.73	4,483.8	-849.8	449.2	378.4	70.82	6.343		
16,000.0	11,732.0	16,019.8	11,904.0	35.6	34.4	-110.73	4,583.8	-850.4	449.2	377.0	72.25	6.217		
16,100.0	11,732.0	16,119.8	11,904.0	36.3	35.2	-110.73	4,683.8	-851.0	449.2	375.5	73.69	6.096		
16,200.0	11,732.0	16,219.8	11,904.0	37.0	35.9	-110.73	4,783.8	-851.7	449.2	374.1	75.13	5.979		
16,300.0	11,732.0	16,319.8	11,904.0	37.8	36.6	-110.73	4,883.8	-852.3	449.2	372.6	76.58	5.866		
16,400.0	11,732.0	16,419.8	11,904.0	38.5	37.4	-110.73	4,983.8	-852.9	449.2	371.2	78.03	5.757		
16,500.0	11,732.0	16,519.8	11,904.0	39.3	38.1	-110.73	5,083.8	-853.6	449.2	369.7	79.48	5.652		
16,600.0	11,732.0	16,619.8	11,904.0	40.0	38.9	-110.73	5,183.8	-854.2	449.2	368.3	80.93	5.550		
16,700.0	11,732.0	16,719.8	11,904.0	40.7	39.6	-110.73	5,283.8	-854.8	449.2	366.8	82.39	5.452		
16,800.0	11,732.0	16,819.8	11,904.0	41.5	40.3	-110.73	5,383.8	-855.5	449.2	365.3	83.85	5.357		
16,900.0	11,732.0	16,919.8	11,904.0	42.2	41.1	-110.73	5,483.8	-856.1	449.2	363.9	85.31	5.265		
17,000.0	11,732.0	17,019.8	11,904.0	43.0	41.8	-110.73	5,583.8	-856.7	449.2	362.4	86.78	5.176		
17,100.0	11,732.0	17,119.8	11,904.0	43.7	42.6	-110.73	5,683.8	-857.3	449.2	360.9	88.25	5.090		
17,200.0	11,732.0	17,219.8	11,904.0	44.5	43.3	-110.73	5,783.8	-858.0	449.2	359.4	89.72	5.006		
17,300.0	11,732.0	17,319.8	11,904.0	45.2	44.0	-110.73	5,883.8	-858.6	449.2	358.0	91.19	4.925		
17,400.0	11,732.0	17,419.8	11,904.0	45.9	44.8	-110.73	5,983.8	-859.2	449.1	356.5	92.67	4.847		
17,500.0	11,732.0	17,519.8	11,904.0	46.7	45.5	-110.73	6,083.8	-859.9	449.1	355.0	94.14	4.771		
17,600.0	11,732.0	17,619.8	11,904.0	47.4	46.3	-110.73	6,183.8	-860.5	449.1	353.5	95.62	4.697		
17,700.0	11,732.0	17,719.8	11,904.0	48.2	47.0	-110.73	6,283.8	-861.1	449.1	352.0	97.10	4.626		
17,800.0	11,732.0	17,819.8	11,904.0	48.9	47.8	-110.73	6,383.8	-861.8	449.1	350.5	98.58	4.556		
17,900.0	11,732.0	17,919.8	11,904.0	49.7	48.5	-110.73	6,483.8	-862.4	449.1	349.1	100.06	4.488		
18,000.0	11,732.0	18,019.8	11,904.0	50.4	49.3	-110.73	6,583.8	-863.0	449.1	347.6	101.55	4.423		
18,100.0	11,732.0	18,119.8	11,904.0	51.2	50.0	-110.73	6,683.8	-863.6	449.1	346.1	103.03	4.359		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - *ZIA HILLS 20 FED COM #103H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11452-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
							+N/-S (usft)	+E/-W (usft)					
18,200.0	11,732.0	18,219.8	11,904.0	51.9	50.8	-110.73	6,783.8	-864.3	449.1	344.6	104.52	4.297	
18,300.0	11,732.0	18,319.8	11,904.0	52.7	51.5	-110.73	6,883.8	-864.9	449.1	343.1	106.01	4.236	
18,400.0	11,732.0	18,419.8	11,904.0	53.4	52.3	-110.73	6,983.8	-865.5	449.1	341.6	107.50	4.178	
18,500.0	11,732.0	18,519.8	11,904.0	54.2	53.0	-110.74	7,083.8	-866.2	449.1	340.1	108.99	4.121	
18,600.0	11,732.0	18,619.8	11,904.0	54.9	53.8	-110.74	7,183.8	-866.8	449.1	338.6	110.48	4.065	
18,700.0	11,732.0	18,719.8	11,904.0	55.7	54.5	-110.74	7,283.8	-867.4	449.1	337.1	111.97	4.011	
18,800.0	11,732.0	18,819.8	11,904.0	56.4	55.3	-110.74	7,383.8	-868.1	449.1	335.6	113.47	3.958	
18,900.0	11,732.0	18,919.8	11,904.0	57.2	56.0	-110.74	7,483.8	-868.7	449.1	334.1	114.96	3.906	
19,000.0	11,732.0	19,019.8	11,904.0	57.9	56.8	-110.74	7,583.8	-869.3	449.1	332.6	116.46	3.856	
19,100.0	11,732.0	19,119.8	11,904.0	58.7	57.5	-110.74	7,683.8	-869.9	449.1	331.1	117.96	3.807	
19,200.0	11,732.0	19,219.8	11,904.0	59.5	58.3	-110.74	7,783.8	-870.6	449.1	329.6	119.46	3.759	
19,300.0	11,732.0	19,319.8	11,904.0	60.2	59.0	-110.74	7,883.8	-871.2	449.1	328.1	120.95	3.713	
19,400.0	11,732.0	19,419.8	11,904.0	61.0	59.8	-110.74	7,983.8	-871.8	449.0	326.6	122.45	3.667	
19,500.0	11,732.0	19,519.8	11,904.0	61.7	60.5	-110.74	8,083.8	-872.5	449.0	325.1	123.96	3.623	
19,586.3	11,732.0	19,606.1	11,904.0	62.4	61.2	-110.74	8,170.1	-873.0	449.0	323.8	125.25	3.585 ES, SF	
19,600.0	11,732.0	19,608.0	11,904.0	62.5	61.2	-110.74	8,171.9	-873.0	449.2	324.0	125.24	3.587	
19,639.6	11,732.0	19,608.0	11,904.0	62.7	61.2	-110.74	8,171.9	-873.0	452.0	327.2	124.73	3.624	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #102H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 11259-MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference	Offset	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance		Minimum 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)	Separation Factor			
5,500.0	5,484.7	5,499.2	5,497.7	6.9	7.5	-3.25	358.7	-1,244.4	997.5	986.5	11.06	90.151		
5,600.0	5,584.1	5,598.7	5,597.1	7.0	7.6	-3.28	358.7	-1,244.4	987.1	975.9	11.23	87.916		
5,700.0	5,683.6	5,698.1	5,696.6	7.1	7.7	-3.31	358.7	-1,244.4	976.6	965.3	11.39	85.736		
5,800.0	5,783.0	5,797.6	5,796.0	7.2	7.8	-3.35	358.7	-1,244.4	966.2	954.7	11.56	83.609		
5,900.0	5,882.5	5,897.0	5,895.5	7.3	7.9	-3.39	358.7	-1,244.4	955.8	944.1	11.72	81.534		
6,000.0	5,981.9	5,996.5	5,994.9	7.4	8.0	-3.42	358.7	-1,244.4	945.3	933.5	11.89	79.510		
6,100.0	6,081.4	6,095.9	6,094.4	7.5	8.2	-3.46	358.7	-1,244.4	934.9	922.8	12.06	77.535		
6,200.0	6,180.8	6,195.4	6,193.8	7.7	8.3	-3.50	358.7	-1,244.4	924.5	912.2	12.23	75.609		
6,300.0	6,280.3	6,294.8	6,293.3	7.8	8.4	-3.54	358.7	-1,244.4	914.0	901.6	12.40	73.730		
6,406.5	6,386.2	6,400.7	6,399.2	7.9	8.5	-3.59	358.7	-1,244.4	902.9	890.4	12.58	71.780		
6,500.0	6,479.3	6,493.8	6,492.3	8.0	8.6	-3.62	358.7	-1,244.4	893.9	881.2	12.74	70.167		
6,600.0	6,578.9	6,593.5	6,591.9	8.1	8.8	-3.64	358.7	-1,244.4	886.0	873.1	12.91	68.611		
6,700.0	6,678.7	6,693.3	6,691.7	8.2	8.9	-3.67	358.7	-1,244.4	879.8	866.7	13.09	67.224		
6,800.0	6,778.6	6,793.2	6,791.6	8.3	9.0	-3.68	358.7	-1,244.4	875.3	862.1	13.26	65.999		
6,900.0	6,878.6	6,893.1	6,891.6	8.4	9.1	-3.69	358.7	-1,244.4	872.6	859.2	13.44	64.931		
7,006.5	6,985.1	6,999.6	6,998.1	8.5	9.2	-75.13	358.7	-1,244.4	871.6	858.0	13.60	64.100		
7,100.0	7,078.6	7,093.1	7,091.6	8.6	9.4	-75.13	358.7	-1,244.4	871.6	857.9	13.71	63.567		
7,200.0	7,178.6	7,193.1	7,191.6	8.7	9.5	-75.13	358.7	-1,244.4	871.6	857.8	13.83	63.005		
7,300.0	7,278.6	7,293.1	7,291.6	8.8	9.6	-75.13	358.7	-1,244.4	871.6	857.6	13.96	62.450		
7,400.0	7,378.6	7,393.1	7,391.6	8.9	9.7	-75.13	358.7	-1,244.4	871.6	857.5	14.08	61.903		
7,500.0	7,478.6	7,493.1	7,491.6	9.0	9.9	-75.13	358.7	-1,244.4	871.6	857.4	14.20	61.362		
7,600.0	7,578.6	7,593.1	7,591.6	9.2	10.0	-75.13	358.7	-1,244.4	871.6	857.3	14.33	60.829		
7,700.0	7,678.6	7,693.1	7,691.6	9.3	10.1	-75.13	358.7	-1,244.4	871.6	857.2	14.45	60.302		
7,800.0	7,778.6	7,793.1	7,791.6	9.4	10.2	-75.13	358.7	-1,244.4	871.6	857.0	14.58	59.783		
7,900.0	7,878.6	7,893.1	7,891.6	9.5	10.3	-75.13	358.7	-1,244.4	871.6	856.9	14.71	59.270		
8,000.0	7,978.6	7,993.1	7,991.6	9.6	10.5	-75.13	358.7	-1,244.4	871.6	856.8	14.83	58.764		
8,100.0	8,078.6	8,093.1	8,091.6	9.7	10.6	-75.13	358.7	-1,244.4	871.6	856.6	14.96	58.265		
8,200.0	8,178.6	8,193.1	8,191.6	9.8	10.7	-75.13	358.7	-1,244.4	871.6	856.5	15.09	57.773		
8,300.0	8,278.6	8,293.1	8,291.6	9.9	10.8	-75.13	358.7	-1,244.4	871.6	856.4	15.21	57.287		
8,400.0	8,378.6	8,393.1	8,391.6	10.0	11.0	-75.13	358.7	-1,244.4	871.6	856.3	15.34	56.808		
8,500.0	8,478.6	8,493.1	8,491.6	10.1	11.1	-75.13	358.7	-1,244.4	871.6	856.1	15.47	56.335		
8,600.0	8,578.6	8,593.1	8,591.6	10.2	11.2	-75.13	358.7	-1,244.4	871.6	856.0	15.60	55.869		
8,700.0	8,678.6	8,693.1	8,691.6	10.3	11.3	-75.13	358.7	-1,244.4	871.6	855.9	15.73	55.409		
8,800.0	8,778.6	8,793.1	8,791.6	10.4	11.5	-75.13	358.7	-1,244.4	871.6	855.7	15.86	54.954		
8,900.0	8,878.6	8,893.1	8,891.6	10.6	11.6	-75.13	358.7	-1,244.4	871.6	855.6	15.99	54.507		
9,000.0	8,978.6	8,993.1	8,991.6	10.7	11.7	-75.13	358.7	-1,244.4	871.6	855.5	16.12	54.065		
9,100.0	9,078.6	9,093.1	9,091.6	10.8	11.8	-75.13	358.7	-1,244.4	871.6	855.4	16.25	53.629		
9,200.0	9,178.6	9,193.1	9,191.6	10.9	12.0	-75.13	358.7	-1,244.4	871.6	855.2	16.38	53.198		
9,300.0	9,278.6	9,293.1	9,291.6	11.0	12.1	-75.13	358.7	-1,244.4	871.6	855.1	16.52	52.774		
9,400.0	9,378.6	9,393.1	9,391.6	11.1	12.2	-75.13	358.7	-1,244.4	871.6	855.0	16.65	52.355		
9,500.0	9,478.6	9,493.1	9,491.6	11.2	12.3	-75.13	358.7	-1,244.4	871.6	854.8	16.78	51.942		
9,600.0	9,578.6	9,593.1	9,591.6	11.3	12.5	-75.13	358.7	-1,244.4	871.6	854.7	16.91	51.534		
9,700.0	9,678.6	9,693.1	9,691.6	11.5	12.6	-75.13	358.7	-1,244.4	871.6	854.6	17.05	51.132		
9,800.0	9,778.6	9,793.1	9,791.6	11.6	12.7	-75.13	358.7	-1,244.4	871.6	854.4	17.18	50.735		
9,900.0	9,878.6	9,893.1	9,891.6	11.7	12.9	-75.13	358.7	-1,244.4	871.6	854.3	17.31	50.344		
10,000.0	9,978.6	9,993.1	9,991.6	11.8	13.0	-75.13	358.7	-1,244.4	871.6	854.2	17.45	49.957		
10,100.0	10,078.6	10,093.1	10,091.6	11.9	13.1	-75.13	358.7	-1,244.4	871.6	854.0	17.58	49.576		
10,200.0	10,178.6	10,193.1	10,191.6	12.0	13.2	-75.13	358.7	-1,244.4	871.6	853.9	17.72	49.199		
10,300.0	10,278.6	10,293.1	10,291.6	12.1	13.4	-75.13	358.7	-1,244.4	871.6	853.8	17.85	48.828		
10,400.0	10,378.6	10,393.1	10,391.6	12.3	13.5	-75.13	358.7	-1,244.4	871.6	853.6	17.99	48.461		
10,500.0	10,478.6	10,493.1	10,491.6	12.4	13.6	-75.13	358.7	-1,244.4	871.6	853.5	18.12	48.100		
10,600.0	10,578.6	10,593.1	10,591.6	12.5	13.7	-75.13	358.7	-1,244.4	871.6	853.3	18.26	47.743		

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #102H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11259-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
10,700.0	10,678.6	10,693.1	10,691.6	12.6	13.9	-75.13	358.7	-1,244.4	871.6	853.2	18.39	47.390		
10,800.0	10,778.6	10,793.1	10,791.6	12.7	14.0	-75.13	358.7	-1,244.4	871.6	853.1	18.53	47.042		
10,900.0	10,878.6	10,893.1	10,891.6	12.8	14.1	-75.13	358.7	-1,244.4	871.6	852.9	18.66	46.699		
11,000.0	10,978.6	10,993.1	10,991.6	13.0	14.3	-75.13	358.7	-1,244.4	871.6	852.8	18.80	46.360		
11,100.0	11,078.6	11,093.1	11,091.6	13.1	14.4	-75.13	358.7	-1,244.4	871.6	852.7	18.94	46.025		
11,200.0	11,178.6	11,193.1	11,191.6	13.2	14.5	-75.13	358.7	-1,244.4	871.6	852.5	19.07	45.695		
11,208.8	11,187.4	11,201.9	11,200.4	13.2	14.5	-75.13	358.7	-1,244.4	871.6	852.5	19.08	45.673		
11,275.9	11,254.5	11,265.8	11,264.3	13.2	14.6	-75.13	358.7	-1,244.4	871.6	852.5	19.14	45.541		
11,300.0	11,278.6	11,282.1	11,280.5	13.3	14.6	-74.75	359.2	-1,244.4	871.7	852.5	19.15	45.506		
11,325.0	11,303.5	11,300.0	11,298.4	13.3	14.6	-74.77	360.4	-1,244.4	871.6	852.4	19.17	45.455		
11,350.0	11,328.3	11,315.9	11,314.2	13.3	14.6	-74.82	362.0	-1,244.4	871.4	852.2	19.20	45.376		
11,375.0	11,352.9	11,332.8	11,331.0	13.3	14.6	-74.91	364.3	-1,244.5	871.1	851.9	19.23	45.289		
11,400.0	11,377.2	11,350.0	11,347.9	13.4	14.6	-75.02	367.3	-1,244.5	870.7	851.4	19.27	45.191		
11,425.0	11,401.2	11,366.7	11,364.2	13.4	14.7	-75.16	370.7	-1,244.5	870.2	850.9	19.31	45.076		
11,450.0	11,424.8	11,383.6	11,380.7	13.4	14.7	-75.33	374.8	-1,244.5	869.6	850.3	19.34	44.955		
11,475.0	11,447.9	11,400.0	11,396.4	13.5	14.7	-75.53	379.3	-1,244.5	868.9	849.5	19.39	44.817		
11,500.0	11,470.5	11,417.7	11,413.3	13.5	14.7	-75.77	384.8	-1,244.6	868.1	848.7	19.42	44.692		
11,525.0	11,492.5	11,434.8	11,429.3	13.5	14.8	-76.03	390.6	-1,244.6	867.2	847.7	19.46	44.554		
11,550.0	11,513.8	11,450.0	11,443.4	13.6	14.8	-76.30	396.3	-1,244.7	866.2	846.7	19.52	44.382		
11,575.0	11,534.4	11,469.2	11,460.9	13.6	14.8	-76.64	404.2	-1,244.7	865.2	845.6	19.54	44.277		
11,600.0	11,554.3	11,486.4	11,476.4	13.6	14.8	-76.99	411.8	-1,244.8	864.0	844.5	19.57	44.142		
11,625.0	11,573.3	11,503.8	11,491.7	13.7	14.9	-77.37	420.0	-1,244.8	862.9	843.3	19.61	44.012		
11,650.0	11,591.5	11,521.2	11,506.7	13.7	14.9	-77.77	428.8	-1,244.9	861.6	842.0	19.63	43.889		
11,675.0	11,608.7	11,538.7	11,521.4	13.7	14.9	-78.19	438.2	-1,244.9	860.3	840.7	19.65	43.775		
11,700.0	11,625.0	11,556.3	11,535.9	13.8	14.9	-78.64	448.2	-1,245.0	859.0	839.3	19.67	43.670		
11,725.0	11,640.2	11,575.0	11,550.9	13.8	15.0	-79.13	459.4	-1,245.0	857.7	838.0	19.67	43.593		
11,750.0	11,654.4	11,591.8	11,564.0	13.8	15.0	-79.61	470.0	-1,245.1	856.3	836.6	19.69	43.493		
11,775.0	11,667.5	11,609.8	11,577.5	13.9	15.0	-80.12	481.8	-1,245.2	854.9	835.2	19.69	43.422		
11,800.0	11,679.5	11,625.0	11,588.7	13.9	15.0	-80.60	492.2	-1,245.3	853.5	833.8	19.70	43.320		
11,825.0	11,690.3	11,646.1	11,603.5	13.9	15.0	-81.22	507.1	-1,245.3	852.2	832.5	19.67	43.313		
11,850.0	11,699.9	11,664.4	11,615.9	14.0	15.1	-81.79	520.7	-1,245.4	850.8	831.2	19.66	43.273		
11,875.0	11,708.3	11,683.0	11,627.9	14.0	15.1	-82.38	534.8	-1,245.5	849.5	829.9	19.65	43.240		
11,900.0	11,715.5	11,700.0	11,638.4	14.0	15.1	-82.95	548.2	-1,245.6	848.3	828.7	19.64	43.196		
11,925.0	11,721.3	11,720.6	11,650.5	14.0	15.1	-83.61	564.9	-1,245.7	847.1	827.5	19.62	43.186		
11,950.0	11,725.9	11,739.8	11,661.0	14.0	15.2	-84.25	580.9	-1,245.8	846.0	826.4	19.60	43.157		
11,975.0	11,729.3	11,759.2	11,671.1	14.1	15.2	-84.89	597.5	-1,245.9	845.0	825.4	19.59	43.123		
12,000.0	11,731.3	11,778.8	11,680.5	14.1	15.2	-85.55	614.7	-1,246.0	844.0	824.4	19.59	43.077		
12,025.9	11,732.0	11,800.0	11,689.9	14.1	15.2	-86.26	633.7	-1,246.1	843.2	823.6	19.60	43.014		
12,100.0	11,732.0	11,862.2	11,712.6	14.1	15.3	-87.79	691.6	-1,246.5	841.6	821.9	19.76	42.601		
12,200.0	11,732.0	11,955.6	11,732.0	14.2	15.3	-89.12	782.8	-1,247.1	841.0	820.8	20.24	41.558		
12,300.0	11,732.0	12,054.2	11,735.0	14.3	15.4	-89.32	881.3	-1,247.7	841.0	820.1	20.91	40.224		
12,400.0	11,732.0	12,154.2	11,735.0	14.3	15.4	-89.32	981.3	-1,248.3	841.0	819.3	21.68	38.783		
12,500.0	11,732.0	12,254.2	11,735.0	14.5	15.4	-89.32	1,081.3	-1,248.9	840.9	818.4	22.54	37.302		
12,600.0	11,732.0	12,354.2	11,735.0	14.6	15.5	-89.32	1,181.3	-1,249.5	840.9	817.5	23.47	35.824		
12,700.0	11,732.0	12,454.2	11,735.0	14.8	15.5	-89.32	1,281.3	-1,250.2	840.9	816.5	24.46	34.374		
12,800.0	11,732.0	12,554.2	11,735.0	15.0	15.6	-89.32	1,381.3	-1,250.8	840.9	815.4	25.51	32.967		
12,900.0	11,732.0	12,654.2	11,735.0	15.3	15.6	-89.32	1,481.3	-1,251.4	840.9	814.3	26.60	31.615		
13,000.0	11,732.0	12,754.2	11,735.0	15.7	15.7	-89.32	1,581.3	-1,252.0	840.9	813.2	27.73	30.323		
13,100.0	11,732.0	12,854.2	11,735.0	16.1	15.8	-89.32	1,681.3	-1,252.7	840.9	812.0	28.90	29.096		
13,200.0	11,732.0	12,954.2	11,735.0	16.6	15.9	-89.32	1,781.3	-1,253.3	840.9	810.8	30.10	27.935		
13,300.0	11,732.0	13,054.2	11,735.0	17.1	16.0	-89.32	1,881.3	-1,253.9	840.8	809.5	31.33	26.838		
13,400.0	11,732.0	13,154.2	11,735.0	17.6	16.2	-89.32	1,981.3	-1,254.5	840.8	808.3	32.59	25.804		

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #102H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11259-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
13,500.0	11,732.0	13,254.2	11,735.0	18.2	16.5	-89.32	2,081.3	-1,255.1	840.8	807.0	33.86	24.830		
13,600.0	11,732.0	13,354.2	11,735.0	18.8	17.0	-89.32	2,181.3	-1,255.8	840.8	805.6	35.16	23.914		
13,700.0	11,732.0	13,454.2	11,735.0	19.4	17.5	-89.32	2,281.3	-1,256.4	840.8	804.3	36.48	23.051		
13,800.0	11,732.0	13,554.2	11,735.0	20.1	18.1	-89.32	2,381.3	-1,257.0	840.8	803.0	37.81	22.239		
13,900.0	11,732.0	13,654.2	11,735.0	20.7	18.7	-89.32	2,481.3	-1,257.6	840.8	801.6	39.15	21.474		
14,000.0	11,732.0	13,754.2	11,735.0	21.4	19.4	-89.32	2,581.3	-1,258.3	840.8	800.2	40.51	20.754		
14,100.0	11,732.0	13,854.2	11,735.0	22.0	20.0	-89.32	2,681.3	-1,258.9	840.7	798.9	41.88	20.075		
14,200.0	11,732.0	13,954.2	11,735.0	22.7	20.7	-89.32	2,781.3	-1,259.5	840.7	797.5	43.26	19.434		
14,300.0	11,732.0	14,054.2	11,735.0	23.4	21.4	-89.32	2,881.3	-1,260.1	840.7	796.1	44.65	18.829		
14,400.0	11,732.0	14,154.2	11,735.0	24.1	22.1	-89.32	2,981.3	-1,260.8	840.7	794.7	46.05	18.256		
14,500.0	11,732.0	14,254.2	11,735.0	24.8	22.8	-89.32	3,081.3	-1,261.4	840.7	793.2	47.46	17.715		
14,600.0	11,732.0	14,354.2	11,735.0	25.5	23.5	-89.32	3,181.3	-1,262.0	840.7	791.8	48.87	17.202		
14,700.0	11,732.0	14,454.2	11,735.0	26.2	24.2	-89.32	3,281.3	-1,262.6	840.7	790.4	50.29	16.716		
14,800.0	11,732.0	14,554.2	11,735.0	26.9	24.9	-89.32	3,381.3	-1,263.2	840.7	788.9	51.72	16.255		
14,900.0	11,732.0	14,654.2	11,735.0	27.6	25.6	-89.32	3,481.3	-1,263.9	840.6	787.5	53.15	15.817		
15,000.0	11,732.0	14,754.2	11,735.0	28.3	26.3	-89.32	3,581.3	-1,264.5	840.6	786.0	54.59	15.400		
15,100.0	11,732.0	14,854.2	11,735.0	29.0	27.1	-89.32	3,681.3	-1,265.1	840.6	784.6	56.03	15.003		
15,200.0	11,732.0	14,954.2	11,735.0	29.8	27.8	-89.32	3,781.3	-1,265.7	840.6	783.1	57.48	14.625		
15,300.0	11,732.0	15,054.2	11,735.0	30.5	28.5	-89.32	3,881.3	-1,266.4	840.6	781.7	58.93	14.265		
15,400.0	11,732.0	15,154.2	11,735.0	31.2	29.2	-89.32	3,981.3	-1,267.0	840.6	780.2	60.38	13.922		
15,500.0	11,732.0	15,254.2	11,735.0	31.9	30.0	-89.32	4,081.3	-1,267.6	840.6	778.7	61.84	13.593		
15,600.0	11,732.0	15,354.2	11,735.0	32.7	30.7	-89.32	4,181.2	-1,268.2	840.6	777.3	63.30	13.279		
15,700.0	11,732.0	15,454.2	11,735.0	33.4	31.4	-89.32	4,281.2	-1,268.8	840.5	775.8	64.76	12.979		
15,800.0	11,732.0	15,554.2	11,735.0	34.1	32.2	-89.32	4,381.2	-1,269.5	840.5	774.3	66.23	12.691		
15,900.0	11,732.0	15,654.2	11,735.0	34.8	32.9	-89.32	4,481.2	-1,270.1	840.5	772.8	67.70	12.416		
16,000.0	11,732.0	15,754.2	11,735.0	35.6	33.6	-89.32	4,581.2	-1,270.7	840.5	771.3	69.17	12.151		
16,100.0	11,732.0	15,854.2	11,735.0	36.3	34.4	-89.32	4,681.2	-1,271.3	840.5	769.8	70.65	11.897		
16,200.0	11,732.0	15,954.2	11,735.0	37.0	35.1	-89.32	4,781.2	-1,272.0	840.5	768.4	72.12	11.654		
16,300.0	11,732.0	16,054.2	11,735.0	37.8	35.8	-89.32	4,881.2	-1,272.6	840.5	766.9	73.60	11.419		
16,400.0	11,732.0	16,154.2	11,735.0	38.5	36.6	-89.32	4,981.2	-1,273.2	840.5	765.4	75.08	11.194		
16,500.0	11,732.0	16,254.2	11,735.0	39.3	37.3	-89.32	5,081.2	-1,273.8	840.4	763.9	76.56	10.977		
16,600.0	11,732.0	16,354.2	11,735.0	40.0	38.1	-89.32	5,181.2	-1,274.5	840.4	762.4	78.05	10.768		
16,700.0	11,732.0	16,454.2	11,735.0	40.7	38.8	-89.32	5,281.2	-1,275.1	840.4	760.9	79.53	10.567		
16,800.0	11,732.0	16,554.2	11,735.0	41.5	39.6	-89.32	5,381.2	-1,275.7	840.4	759.4	81.02	10.373		
16,900.0	11,732.0	16,654.2	11,735.0	42.2	40.3	-89.32	5,481.2	-1,276.3	840.4	757.9	82.51	10.186		
17,000.0	11,732.0	16,754.2	11,735.0	43.0	41.1	-89.32	5,581.2	-1,276.9	840.4	756.4	84.00	10.005		
17,100.0	11,732.0	16,854.2	11,735.0	43.7	41.8	-89.32	5,681.2	-1,277.6	840.4	754.9	85.49	9.830		
17,200.0	11,732.0	16,954.2	11,735.0	44.5	42.5	-89.32	5,781.2	-1,278.2	840.4	753.4	86.98	9.661		
17,300.0	11,732.0	17,054.2	11,735.0	45.2	43.3	-89.32	5,881.2	-1,278.8	840.3	751.9	88.48	9.498		
17,400.0	11,732.0	17,154.2	11,735.0	45.9	44.0	-89.32	5,981.2	-1,279.4	840.3	750.4	89.97	9.340		
17,500.0	11,732.0	17,254.2	11,735.0	46.7	44.8	-89.32	6,081.2	-1,280.1	840.3	748.8	91.47	9.187		
17,600.0	11,732.0	17,354.2	11,735.0	47.4	45.5	-89.32	6,181.2	-1,280.7	840.3	747.3	92.96	9.039		
17,700.0	11,732.0	17,454.2	11,735.0	48.2	46.3	-89.32	6,281.2	-1,281.3	840.3	745.8	94.46	8.896		
17,800.0	11,732.0	17,554.2	11,735.0	48.9	47.0	-89.32	6,381.2	-1,281.9	840.3	744.3	95.96	8.757		
17,900.0	11,732.0	17,654.2	11,735.0	49.7	47.8	-89.32	6,481.2	-1,282.5	840.3	742.8	97.46	8.622		
18,000.0	11,732.0	17,754.2	11,735.0	50.4	48.5	-89.32	6,581.2	-1,283.2	840.3	741.3	98.96	8.491		
18,100.0	11,732.0	17,854.2	11,735.0	51.2	49.3	-89.32	6,681.2	-1,283.8	840.2	739.8	100.46	8.364		
18,200.0	11,732.0	17,954.2	11,735.0	51.9	50.0	-89.32	6,781.2	-1,284.4	840.2	738.3	101.96	8.241		
18,300.0	11,732.0	18,054.2	11,735.0	52.7	50.8	-89.32	6,881.2	-1,285.0	840.2	736.7	103.46	8.121		
18,400.0	11,732.0	18,154.2	11,735.0	53.4	51.5	-89.32	6,981.2	-1,285.7	840.2	735.2	104.97	8.004		
18,500.0	11,732.0	18,254.2	11,735.0	54.2	52.3	-89.32	7,081.2	-1,286.3	840.2	733.7	106.47	7.891		
18,600.0	11,732.0	18,354.2	11,735.0	54.9	53.1	-89.32	7,181.2	-1,286.9	840.2	732.2	107.98	7.781		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #102H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11259-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N-S (usft)	+E-W (usft)					
18,700.0	11,732.0	18,454.2	11,735.0	55.7	53.8	-89.32	7,281.2	-1,287.5	840.2	730.7	109.48	7.674	
18,800.0	11,732.0	18,554.2	11,735.0	56.4	54.6	-89.32	7,381.2	-1,288.1	840.2	729.2	110.99	7.570	
18,900.0	11,732.0	18,654.2	11,735.0	57.2	55.3	-89.32	7,481.2	-1,288.8	840.1	727.6	112.49	7.468	
19,000.0	11,732.0	18,754.2	11,735.0	57.9	56.1	-89.32	7,581.2	-1,289.4	840.1	726.1	114.00	7.369	
19,100.0	11,732.0	18,854.2	11,735.0	58.7	56.8	-89.32	7,681.2	-1,290.0	840.1	724.6	115.51	7.273	
19,200.0	11,732.0	18,954.2	11,735.0	59.5	57.6	-89.32	7,781.2	-1,290.6	840.1	723.1	117.02	7.179	
19,300.0	11,732.0	19,054.2	11,735.0	60.2	58.3	-89.32	7,881.2	-1,291.3	840.1	721.6	118.53	7.088	
19,400.0	11,732.0	19,154.2	11,735.0	61.0	59.1	-89.32	7,981.2	-1,291.9	840.1	720.0	120.03	6.999	
19,500.0	11,732.0	19,254.2	11,735.0	61.7	59.8	-89.32	8,081.2	-1,292.5	840.1	718.5	121.54	6.912	
19,600.0	11,732.0	19,354.2	11,735.0	62.5	60.6	-89.32	8,181.2	-1,293.1	840.0	717.0	123.05	6.827	
19,635.6	11,732.0	19,389.9	11,735.0	62.7	60.9	-89.32	8,216.8	-1,293.4	840.0	716.5	123.53	6.800 CC	
19,639.6	11,732.0	19,390.9	11,735.0	62.7	60.9	-89.32	8,217.8	-1,293.4	840.0	716.5	123.56	6.799 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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #111H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11417-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.1	0.1	3.0	3.0	3.0	89.60	0.2	33.0	33.0				
100.0	100.0	100.1	100.1	3.0	3.0	3.0	89.60	0.2	33.0	33.0	27.0	6.00	5.497	
200.0	200.0	200.1	200.1	3.0	3.0	3.0	89.60	0.2	33.0	33.0	27.0	6.00	5.494	
300.0	300.0	300.1	300.1	3.0	3.0	3.0	89.60	0.2	33.0	33.0	27.0	6.01	5.489	
400.0	400.0	400.1	400.1	3.0	3.0	3.0	89.60	0.2	33.0	33.0	27.0	6.02	5.480	
500.0	500.0	500.1	500.1	3.1	3.1	3.1	89.60	0.2	33.0	33.0	27.0	6.03	5.469	
600.0	600.0	600.1	600.1	3.1	3.1	3.1	89.60	0.2	33.0	33.0	26.9	6.05	5.455	
700.0	700.0	700.1	700.1	3.1	3.1	3.1	89.60	0.2	33.0	33.0	26.9	6.07	5.438	
800.0	800.0	800.1	800.1	3.2	3.2	3.2	89.60	0.2	33.0	33.0	26.9	6.09	5.418	
900.0	900.0	900.1	900.1	3.2	3.2	3.2	89.60	0.2	33.0	33.0	26.9	6.11	5.396	
1,000.0	1,000.0	1,000.1	1,000.1	3.2	3.2	3.2	89.60	0.2	33.0	33.0	26.8	6.14	5.371	
1,100.0	1,100.0	1,100.1	1,100.1	3.3	3.3	3.3	89.60	0.2	33.0	33.0	26.8	6.17	5.344	
1,200.0	1,200.0	1,200.1	1,200.1	3.4	3.4	3.4	89.60	0.2	33.0	33.0	26.8	6.21	5.315	
1,300.0	1,300.0	1,300.1	1,300.1	3.4	3.4	3.4	89.60	0.2	33.0	33.0	26.7	6.24	5.283	
1,400.0	1,400.0	1,400.1	1,400.1	3.5	3.5	3.5	89.60	0.2	33.0	33.0	26.7	6.28	5.249	
1,500.0	1,500.0	1,500.1	1,500.1	3.5	3.5	3.5	89.60	0.2	33.0	33.0	26.7	6.33	5.214	
1,600.0	1,600.0	1,600.1	1,600.1	3.6	3.6	3.6	89.60	0.2	33.0	33.0	26.6	6.37	5.177	
1,700.0	1,700.0	1,700.1	1,700.1	3.7	3.7	3.7	89.60	0.2	33.0	33.0	26.6	6.42	5.138	
1,800.0	1,800.0	1,800.1	1,800.1	3.8	3.8	3.8	89.60	0.2	33.0	33.0	26.5	6.47	5.097	
1,900.0	1,900.0	1,900.1	1,900.1	3.9	3.9	3.9	89.60	0.2	33.0	33.0	26.5	6.52	5.055	
2,000.0	2,000.0	2,000.1	2,000.1	3.9	3.9	3.9	89.60	0.2	33.0	33.0	26.4	6.58	5.012	
2,100.0	2,100.0	2,100.1	2,100.1	4.0	4.0	4.0	89.60	0.2	33.0	33.0	26.3	6.64	4.968	
2,200.0	2,200.0	2,200.1	2,200.1	4.1	4.1	4.1	89.60	0.2	33.0	33.0	26.3	6.70	4.923	
2,300.0	2,300.0	2,300.1	2,300.1	4.2	4.2	4.2	89.60	0.2	33.0	33.0	26.2	6.76	4.877	
2,400.0	2,400.0	2,400.1	2,400.1	4.3	4.3	4.3	89.60	0.2	33.0	33.0	26.2	6.83	4.830	
2,500.0	2,500.0	2,500.1	2,500.1	4.4	4.4	4.4	89.60	0.2	33.0	33.0	26.1	6.90	4.783 CC, ES	
2,600.0	2,600.0	2,600.1	2,600.1	4.5	4.5	4.5	161.97	0.2	33.0	34.6	27.7	6.97	4.972	
2,700.0	2,699.8	2,699.9	2,699.9	4.5	4.6	4.6	164.28	0.2	33.0	39.6	32.6	7.05	5.621	
2,800.0	2,799.5	2,799.6	2,799.6	4.6	4.7	4.7	167.06	0.2	33.0	48.1	40.9	7.16	6.713	
2,900.0	2,898.9	2,899.0	2,899.0	4.6	4.8	4.8	169.36	0.2	33.0	58.3	51.0	7.29	7.999	
3,000.0	2,998.4	2,998.5	2,998.5	4.7	4.9	4.9	170.97	0.2	33.0	68.6	61.2	7.42	9.245	
3,100.0	3,097.8	3,097.9	3,097.9	4.8	5.0	5.0	172.16	0.2	33.0	79.0	71.4	7.56	10.448	
3,200.0	3,197.3	3,197.4	3,197.4	4.8	5.1	5.1	173.07	0.2	33.0	89.3	81.6	7.70	11.608	
3,300.0	3,296.7	3,296.8	3,296.8	4.9	5.2	5.2	173.80	0.2	33.0	99.7	91.9	7.84	12.727	
3,400.0	3,396.2	3,396.3	3,396.3	5.0	5.3	5.3	174.38	0.2	33.0	110.1	102.1	7.98	13.804	
3,500.0	3,495.6	3,495.7	3,495.7	5.0	5.4	5.4	174.87	0.2	33.0	120.5	112.4	8.12	14.840	
3,600.0	3,595.1	3,595.2	3,595.2	5.1	5.5	5.5	175.28	0.2	33.0	130.9	122.7	8.27	15.838	
3,700.0	3,694.5	3,694.6	3,694.6	5.2	5.6	5.6	175.63	0.2	33.0	141.4	133.0	8.42	16.796	
3,800.0	3,794.0	3,794.1	3,794.1	5.3	5.8	5.8	175.93	0.2	33.0	151.8	143.2	8.57	17.718	
3,900.0	3,893.4	3,893.5	3,893.5	5.4	5.9	5.9	176.19	0.2	33.0	162.2	153.5	8.72	18.604	
4,000.0	3,992.9	3,993.0	3,993.0	5.4	6.0	6.0	176.42	0.2	33.0	172.7	163.8	8.87	19.456	
4,100.0	4,092.3	4,092.4	4,092.4	5.5	6.1	6.1	176.63	0.2	33.0	183.1	174.1	9.03	20.274	
4,200.0	4,191.8	4,191.9	4,191.9	5.6	6.2	6.2	176.81	0.2	33.0	193.5	184.3	9.19	21.061	
4,300.0	4,291.2	4,291.3	4,291.3	5.7	6.3	6.3	176.97	0.2	33.0	204.0	194.6	9.35	21.817	
4,400.0	4,390.7	4,390.8	4,390.8	5.8	6.4	6.4	177.12	0.2	33.0	214.4	204.9	9.51	22.543	
4,500.0	4,490.1	4,490.2	4,490.2	5.9	6.6	6.6	177.25	0.2	33.0	224.8	215.2	9.67	23.242	
4,600.0	4,589.6	4,589.7	4,589.7	6.0	6.7	6.7	177.37	0.2	33.0	235.3	225.4	9.84	23.913	
4,700.0	4,689.0	4,689.1	4,689.1	6.1	6.8	6.8	177.49	0.2	33.0	245.7	235.7	10.01	24.559	
4,800.0	4,788.5	4,788.6	4,788.6	6.2	6.9	6.9	177.59	0.2	33.0	256.2	246.0	10.17	25.181	
4,900.0	4,887.9	4,888.0	4,888.0	6.3	7.0	7.0	177.68	0.2	33.0	266.6	256.3	10.34	25.778	
5,000.0	4,987.4	4,987.5	4,987.5	6.4	7.1	7.1	177.77	0.2	33.0	277.1	266.5	10.51	26.354	
5,100.0	5,086.9	5,087.0	5,087.0	6.5	7.3	7.3	177.85	0.2	33.0	287.5	276.8	10.68	26.908	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #111H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11417-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,200.0	5,186.3	5,186.4	5,186.4	6.6	7.4	177.93	0.2	33.0	297.9	287.1	10.86	27.441		
5,300.0	5,285.8	5,285.9	5,285.9	6.7	7.5	178.00	0.2	33.0	308.4	297.4	11.03	27.955		
5,400.0	5,385.2	5,385.3	5,385.3	6.8	7.6	178.06	0.2	33.0	318.8	307.6	11.21	28.450		
5,500.0	5,484.7	5,484.8	5,484.8	6.9	7.7	178.12	0.2	33.0	329.3	317.9	11.38	28.927		
5,600.0	5,584.1	5,584.2	5,584.2	7.0	7.9	178.18	0.2	33.0	339.7	328.2	11.56	29.387		
5,700.0	5,683.6	5,683.7	5,683.7	7.1	8.0	178.24	0.2	33.0	350.2	338.4	11.74	29.830		
5,800.0	5,783.0	5,783.1	5,783.1	7.2	8.1	178.29	0.2	33.0	360.6	348.7	11.92	30.259		
5,900.0	5,882.5	5,882.6	5,882.6	7.3	8.2	178.34	0.2	33.0	371.1	359.0	12.10	30.672		
6,000.0	5,981.9	5,982.0	5,982.0	7.4	8.4	178.38	0.2	33.0	381.5	369.2	12.28	31.071		
6,100.0	6,081.4	6,081.5	6,081.5	7.5	8.5	178.42	0.2	33.0	392.0	379.5	12.46	31.456		
6,200.0	6,180.8	6,180.9	6,180.9	7.7	8.6	178.47	0.2	33.0	402.4	389.8	12.64	31.828		
6,300.0	6,280.3	6,280.4	6,280.4	7.8	8.7	178.50	0.2	33.0	412.9	400.0	12.83	32.188		
6,406.5	6,386.2	6,386.3	6,386.3	7.9	8.9	178.54	0.2	33.0	424.0	411.0	13.02	32.558		
6,500.0	6,479.3	6,479.4	6,479.4	8.0	9.0	178.58	0.2	33.0	433.0	419.8	13.20	32.815		
6,600.0	6,578.9	6,579.0	6,579.0	8.1	9.1	178.60	0.2	33.0	441.0	427.6	13.38	32.955		
6,700.0	6,678.7	6,678.8	6,678.8	8.2	9.2	178.62	0.2	33.0	447.2	433.6	13.57	32.963		
6,800.0	6,778.6	6,778.7	6,778.7	8.3	9.3	178.64	0.2	33.0	451.7	437.9	13.75	32.843		
6,900.0	6,878.6	6,878.7	6,878.7	8.4	9.5	178.65	0.2	33.0	454.4	440.5	13.94	32.601		
7,006.5	6,985.1	6,985.2	6,985.2	8.5	9.6	107.21	0.2	33.0	455.4	441.3	14.11	32.280		
7,100.0	7,078.6	7,078.7	7,078.7	8.6	9.7	107.21	0.2	33.0	455.4	441.1	14.23	31.999		
7,200.0	7,178.6	7,178.7	7,178.7	8.7	9.8	107.21	0.2	33.0	455.4	441.0	14.36	31.703		
7,300.0	7,278.6	7,278.7	7,278.7	8.8	10.0	107.21	0.2	33.0	455.4	440.9	14.50	31.411		
7,400.0	7,378.6	7,378.7	7,378.7	8.9	10.1	107.21	0.2	33.0	455.4	440.7	14.63	31.124		
7,500.0	7,478.6	7,478.7	7,478.7	9.0	10.2	107.21	0.2	33.0	455.4	440.6	14.77	30.842		
7,600.0	7,578.6	7,578.7	7,578.7	9.2	10.3	107.21	0.2	33.0	455.4	440.5	14.90	30.563		
7,700.0	7,678.6	7,678.7	7,678.7	9.3	10.5	107.21	0.2	33.0	455.4	440.3	15.03	30.289		
7,800.0	7,778.6	7,778.7	7,778.7	9.4	10.6	107.21	0.2	33.0	455.4	440.2	15.17	30.019		
7,900.0	7,878.6	7,878.7	7,878.7	9.5	10.7	107.21	0.2	33.0	455.4	440.1	15.31	29.753		
8,000.0	7,978.6	7,978.7	7,978.7	9.6	10.9	107.21	0.2	33.0	455.4	439.9	15.44	29.491		
8,100.0	8,078.6	8,078.7	8,078.7	9.7	11.0	107.21	0.2	33.0	455.4	439.8	15.58	29.233		
8,200.0	8,178.6	8,178.7	8,178.7	9.8	11.1	107.21	0.2	33.0	455.4	439.7	15.71	28.979		
8,300.0	8,278.6	8,278.7	8,278.7	9.9	11.2	107.21	0.2	33.0	455.4	439.5	15.85	28.729		
8,400.0	8,378.6	8,378.7	8,378.7	10.0	11.4	107.21	0.2	33.0	455.4	439.4	15.99	28.482		
8,500.0	8,478.6	8,478.7	8,478.7	10.1	11.5	107.21	0.2	33.0	455.4	439.3	16.13	28.239		
8,600.0	8,578.6	8,578.7	8,578.7	10.2	11.6	107.21	0.2	33.0	455.4	439.1	16.26	27.999		
8,700.0	8,678.6	8,678.7	8,678.7	10.3	11.7	107.21	0.2	33.0	455.4	439.0	16.40	27.764		
8,800.0	8,778.6	8,778.7	8,778.7	10.4	11.9	107.21	0.2	33.0	455.4	438.8	16.54	27.531		
8,900.0	8,878.6	8,878.7	8,878.7	10.6	12.0	107.21	0.2	33.0	455.4	438.7	16.68	27.302		
9,000.0	8,978.6	8,978.7	8,978.7	10.7	12.1	107.21	0.2	33.0	455.4	438.6	16.82	27.076		
9,100.0	9,078.6	9,078.7	9,078.7	10.8	12.3	107.21	0.2	33.0	455.4	438.4	16.96	26.854		
9,200.0	9,178.6	9,178.7	9,178.7	10.9	12.4	107.21	0.2	33.0	455.4	438.3	17.10	26.635		
9,300.0	9,278.6	9,278.7	9,278.7	11.0	12.5	107.21	0.2	33.0	455.4	438.1	17.24	26.419		
9,400.0	9,378.6	9,378.7	9,378.7	11.1	12.6	107.21	0.2	33.0	455.4	438.0	17.38	26.206		
9,500.0	9,478.6	9,478.7	9,478.7	11.2	12.8	107.21	0.2	33.0	455.4	437.9	17.52	25.996		
9,600.0	9,578.6	9,578.7	9,578.7	11.3	12.9	107.21	0.2	33.0	455.4	437.7	17.66	25.789		
9,700.0	9,678.6	9,678.7	9,678.7	11.5	13.0	107.21	0.2	33.0	455.4	437.6	17.80	25.585		
9,800.0	9,778.6	9,778.7	9,778.7	11.6	13.2	107.21	0.2	33.0	455.4	437.4	17.94	25.384		
9,900.0	9,878.6	9,878.7	9,878.7	11.7	13.3	107.21	0.2	33.0	455.4	437.3	18.08	25.186		
10,000.0	9,978.6	9,978.7	9,978.7	11.8	13.4	107.21	0.2	33.0	455.4	437.2	18.22	24.990		
10,100.0	10,078.6	10,078.7	10,078.7	11.9	13.5	107.21	0.2	33.0	455.4	437.0	18.36	24.797		
10,200.0	10,178.6	10,178.7	10,178.7	12.0	13.7	107.21	0.2	33.0	455.4	436.9	18.51	24.607		
10,300.0	10,278.6	10,278.7	10,278.7	12.1	13.8	107.21	0.2	33.0	455.4	436.7	18.65	24.420		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #111H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11417-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
10,400.0	10,378.6	10,378.7	10,378.7	12.3	13.9	107.21	0.2	33.0	455.4	436.6	18.79	24.235		
10,500.0	10,478.6	10,478.7	10,478.7	12.4	14.1	107.21	0.2	33.0	455.4	436.4	18.93	24.053		
10,600.0	10,578.6	10,578.7	10,578.7	12.5	14.2	107.21	0.2	33.0	455.4	436.3	19.08	23.873		
10,700.0	10,678.6	10,678.7	10,678.7	12.6	14.3	107.21	0.2	33.0	455.4	436.2	19.22	23.696		
10,800.0	10,778.6	10,778.7	10,778.7	12.7	14.4	107.21	0.2	33.0	455.4	436.0	19.36	23.521		
10,900.0	10,878.6	10,878.7	10,878.7	12.8	14.6	107.21	0.2	33.0	455.4	435.9	19.50	23.348		
11,000.0	10,978.6	10,978.7	10,978.7	13.0	14.7	107.21	0.2	33.0	455.4	435.7	19.65	23.178		
11,100.0	11,078.6	11,078.7	11,078.7	13.1	14.8	107.21	0.2	33.0	455.4	435.6	19.79	23.010		
11,200.0	11,178.6	11,178.7	11,178.7	13.2	15.0	107.21	0.2	33.0	455.4	435.4	19.93	22.844		
11,275.9	11,254.5	11,254.6	11,254.6	13.2	15.1	107.21	0.2	33.0	455.4	435.4	20.02	22.743		
11,300.0	11,278.6	11,278.7	11,278.7	13.3	15.1	107.63	0.2	33.0	455.6	435.5	20.05	22.716		
11,325.0	11,303.5	11,303.6	11,303.6	13.3	15.1	107.79	0.2	33.0	456.1	436.0	20.12	22.675		
11,350.0	11,328.3	11,328.4	11,328.4	13.3	15.1	108.06	0.2	33.0	457.1	436.9	20.21	22.624		
11,375.0	11,352.9	11,353.0	11,353.0	13.3	15.2	108.42	0.2	33.0	458.6	438.3	20.32	22.565		
11,400.0	11,377.2	11,377.3	11,377.3	13.4	15.2	108.87	0.2	33.0	460.5	440.0	20.47	22.498		
11,425.0	11,401.2	11,401.3	11,401.3	13.4	15.2	109.40	0.2	33.0	462.9	442.2	20.64	22.428		
11,450.0	11,424.8	11,430.0	11,430.0	13.4	15.3	110.17	0.4	33.0	465.8	444.9	20.84	22.351		
11,475.0	11,447.9	11,468.7	11,468.6	13.5	15.3	111.26	3.1	32.9	468.7	447.6	21.09	22.227		
11,500.0	11,470.5	11,508.9	11,508.3	13.5	15.4	112.29	9.1	32.7	471.3	449.9	21.41	22.018		
11,525.0	11,492.5	11,550.4	11,548.6	13.5	15.4	113.23	18.9	32.3	473.7	451.9	21.81	21.717		
11,550.0	11,513.8	11,593.2	11,589.2	13.6	15.5	114.07	32.5	31.9	475.8	453.5	22.31	21.325		
11,575.0	11,534.4	11,637.1	11,629.4	13.6	15.5	114.80	50.3	31.2	477.4	454.5	22.89	20.853		
11,600.0	11,554.3	11,682.1	11,668.6	13.6	15.6	115.40	72.1	30.5	478.7	455.1	23.55	20.326		
11,625.0	11,573.3	11,727.8	11,706.2	13.7	15.6	115.85	98.1	29.6	479.4	455.1	24.25	19.771		
11,650.0	11,591.5	11,774.0	11,741.5	13.7	15.7	116.16	127.8	28.5	479.6	454.6	24.95	19.219		
11,675.0	11,608.7	11,820.4	11,773.9	13.7	15.8	116.31	161.0	27.4	479.3	453.6	25.64	18.695		
11,700.0	11,625.0	11,866.8	11,802.9	13.8	15.8	116.29	197.1	26.1	478.4	452.2	26.25	18.223		
11,725.0	11,640.2	11,912.8	11,828.1	13.8	15.9	116.12	235.6	24.8	477.0	450.3	26.77	17.818		
11,750.0	11,654.4	11,958.1	11,849.2	13.8	15.9	115.80	275.7	23.4	475.2	448.0	27.17	17.488		
11,775.0	11,667.5	12,002.6	11,866.1	13.9	16.0	115.33	316.8	21.9	472.8	445.4	27.43	17.239		
11,800.0	11,679.5	12,046.1	11,878.9	13.9	16.0	114.73	358.3	20.5	470.0	442.5	27.53	17.070		
11,825.0	11,690.3	12,088.3	11,887.6	13.9	16.0	114.02	399.6	19.0	466.9	439.4	27.50	16.980		
11,850.0	11,699.9	12,129.2	11,892.5	14.0	16.0	113.20	440.1	17.6	463.4	436.1	27.32	16.963		
11,875.0	11,708.3	12,168.7	11,894.0	14.0	16.0	112.29	479.6	16.2	459.7	432.7	27.02	17.015		
11,900.0	11,715.5	12,186.0	11,894.0	14.0	16.0	112.10	496.9	15.8	456.4	429.7	26.70	17.094		
11,925.0	11,721.3	12,207.4	11,894.0	14.0	16.1	111.80	518.3	15.5	454.0	427.5	26.45	17.161		
11,950.0	11,725.9	12,228.6	11,894.0	14.0	16.1	111.55	539.5	15.3	452.2	425.9	26.30	17.196		
11,975.0	11,729.3	12,253.4	11,894.0	14.1	16.1	111.30	564.3	15.2	451.0	424.8	26.22	17.199		
12,000.0	11,731.3	12,278.3	11,894.0	14.1	16.1	111.14	589.2	15.0	450.3	424.1	26.23	17.168		
12,025.9	11,732.0	12,304.2	11,894.0	14.1	16.1	111.09	615.1	14.9	450.0	423.7	26.32	17.100		
12,025.9	11,732.0	12,304.2	11,894.0	14.1	16.1	111.09	615.1	14.9	450.0	423.7	26.32	17.100		
12,100.0	11,732.0	12,378.3	11,894.0	14.1	16.1	111.09	689.2	14.4	450.0	423.3	26.70	16.854		
12,200.0	11,732.0	12,478.3	11,894.0	14.2	16.1	111.08	789.2	13.8	450.0	422.7	27.29	16.494		
12,300.0	11,732.0	12,578.3	11,894.0	14.3	16.2	111.08	889.2	13.1	450.0	422.1	27.94	16.107		
12,400.0	11,732.0	12,678.3	11,894.0	14.3	16.2	111.08	989.2	12.5	450.0	421.4	28.66	15.700		
12,500.0	11,732.0	12,778.3	11,894.0	14.5	16.2	111.08	1,089.2	11.9	450.0	420.6	29.45	15.282		
12,600.0	11,732.0	12,878.3	11,894.0	14.6	16.3	111.08	1,189.2	11.2	450.0	419.7	30.29	14.858		
12,700.0	11,732.0	12,978.3	11,894.0	14.8	16.3	111.08	1,289.2	10.6	450.0	418.9	31.18	14.432		
12,800.0	11,732.0	13,078.3	11,894.0	15.0	16.4	111.08	1,389.2	10.0	450.0	417.9	32.13	14.008		
12,900.0	11,732.0	13,178.3	11,894.0	15.3	16.4	111.08	1,489.2	9.3	450.0	416.9	33.11	13.591		
13,000.0	11,732.0	13,278.3	11,894.0	15.7	16.5	111.08	1,589.2	8.7	450.0	415.9	34.14	13.183		
13,100.0	11,732.0	13,378.3	11,894.0	16.1	16.5	111.08	1,689.2	8.0	450.0	414.8	35.20	12.785		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #111H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11417-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,200.0	11,732.0	13,478.3	11,894.0	16.6	16.6	111.08	1,789.2	7.4	450.0	413.7	36.30	12.399	
13,300.0	11,732.0	13,578.3	11,894.0	17.1	17.0	111.08	1,889.2	6.8	450.0	412.6	37.43	12.025	
13,400.0	11,732.0	13,678.3	11,894.0	17.6	17.7	111.08	1,989.2	6.1	450.0	411.5	38.58	11.665	
13,500.0	11,732.0	13,778.3	11,894.0	18.2	18.3	111.08	2,089.2	5.5	450.0	410.3	39.76	11.319	
13,600.0	11,732.0	13,878.3	11,894.0	18.8	19.0	111.08	2,189.2	4.9	450.1	409.1	40.96	10.986	
13,700.0	11,732.0	13,978.3	11,894.0	19.4	19.7	111.08	2,289.2	4.2	450.1	407.9	42.19	10.668	
13,800.0	11,732.0	14,078.3	11,894.0	20.1	20.4	111.08	2,389.2	3.6	450.1	406.6	43.43	10.362	
13,900.0	11,732.0	14,178.3	11,894.0	20.7	21.1	111.08	2,489.2	3.0	450.1	405.4	44.70	10.069	
14,000.0	11,732.0	14,278.3	11,894.0	21.4	21.8	111.08	2,589.2	2.3	450.1	404.1	45.97	9.789	
14,100.0	11,732.0	14,378.3	11,894.0	22.0	22.5	111.08	2,689.2	1.7	450.1	402.8	47.27	9.521	
14,200.0	11,732.0	14,478.3	11,894.0	22.7	23.2	111.08	2,789.2	1.1	450.1	401.5	48.57	9.265	
14,300.0	11,732.0	14,578.3	11,894.0	23.4	23.9	111.08	2,889.2	0.4	450.1	400.2	49.89	9.020	
14,400.0	11,732.0	14,678.3	11,894.0	24.1	24.6	111.08	2,989.2	-0.2	450.1	398.8	51.23	8.786	
14,500.0	11,732.0	14,778.3	11,894.0	24.8	25.4	111.08	3,089.2	-0.8	450.1	397.5	52.57	8.561	
14,600.0	11,732.0	14,878.3	11,894.0	25.5	26.1	111.08	3,189.2	-1.5	450.1	396.1	53.92	8.346	
14,700.0	11,732.0	14,978.3	11,894.0	26.2	26.8	111.08	3,289.2	-2.1	450.1	394.8	55.28	8.141	
14,800.0	11,732.0	15,078.3	11,894.0	26.9	27.5	111.08	3,389.2	-2.7	450.1	393.4	56.66	7.944	
14,900.0	11,732.0	15,178.3	11,894.0	27.6	28.2	111.08	3,489.2	-3.4	450.1	392.0	58.03	7.755	
15,000.0	11,732.0	15,278.3	11,894.0	28.3	29.0	111.08	3,589.2	-4.0	450.1	390.6	59.42	7.574	
15,100.0	11,732.0	15,378.3	11,894.0	29.0	29.7	111.08	3,689.2	-4.6	450.1	389.3	60.81	7.401	
15,200.0	11,732.0	15,478.3	11,894.0	29.8	30.4	111.08	3,789.2	-5.3	450.1	387.9	62.21	7.234	
15,300.0	11,732.0	15,578.3	11,894.0	30.5	31.2	111.08	3,889.2	-5.9	450.1	386.5	63.62	7.074	
15,400.0	11,732.0	15,678.3	11,894.0	31.2	31.9	111.08	3,989.1	-6.5	450.1	385.0	65.03	6.921	
15,500.0	11,732.0	15,778.3	11,894.0	31.9	32.6	111.08	4,089.1	-7.2	450.1	383.6	66.45	6.773	
15,600.0	11,732.0	15,878.3	11,894.0	32.7	33.4	111.08	4,189.1	-7.8	450.1	382.2	67.87	6.632	
15,700.0	11,732.0	15,978.3	11,894.0	33.4	34.1	111.08	4,289.1	-8.4	450.1	380.8	69.30	6.495	
15,800.0	11,732.0	16,078.3	11,894.0	34.1	34.9	111.08	4,389.1	-9.1	450.1	379.4	70.73	6.364	
15,900.0	11,732.0	16,178.3	11,894.0	34.8	35.6	111.08	4,489.1	-9.7	450.1	377.9	72.16	6.237	
16,000.0	11,732.0	16,278.3	11,894.0	35.6	36.3	111.08	4,589.1	-10.3	450.1	376.5	73.60	6.115	
16,100.0	11,732.0	16,378.3	11,894.0	36.3	37.1	111.08	4,689.1	-11.0	450.1	375.0	75.04	5.998	
16,200.0	11,732.0	16,478.3	11,894.0	37.0	37.8	111.08	4,789.1	-11.6	450.1	373.6	76.49	5.884	
16,300.0	11,732.0	16,578.3	11,894.0	37.8	38.6	111.08	4,889.1	-12.2	450.1	372.1	77.94	5.775	
16,400.0	11,732.0	16,678.3	11,894.0	38.5	39.3	111.08	4,989.1	-12.9	450.1	370.7	79.39	5.669	
16,500.0	11,732.0	16,778.3	11,894.0	39.3	40.1	111.08	5,089.1	-13.5	450.1	369.2	80.85	5.567	
16,600.0	11,732.0	16,878.3	11,894.0	40.0	40.8	111.08	5,189.1	-14.1	450.1	367.8	82.30	5.469	
16,700.0	11,732.0	16,978.3	11,894.0	40.7	41.6	111.08	5,289.1	-14.8	450.1	366.3	83.76	5.373	
16,800.0	11,732.0	17,078.3	11,894.0	41.5	42.3	111.08	5,389.1	-15.4	450.1	364.9	85.23	5.281	
16,900.0	11,732.0	17,178.3	11,894.0	42.2	43.0	111.08	5,489.1	-16.0	450.1	363.4	86.69	5.192	
17,000.0	11,732.0	17,278.3	11,894.0	43.0	43.8	111.08	5,589.1	-16.7	450.1	361.9	88.16	5.105	
17,100.0	11,732.0	17,378.3	11,894.0	43.7	44.5	111.08	5,689.1	-17.3	450.1	360.5	89.63	5.022	
17,200.0	11,732.0	17,478.3	11,894.0	44.5	45.3	111.08	5,789.1	-18.0	450.1	359.0	91.10	4.941	
17,300.0	11,732.0	17,578.3	11,894.0	45.2	46.0	111.08	5,889.1	-18.6	450.1	357.5	92.58	4.862	
17,400.0	11,732.0	17,678.3	11,894.0	45.9	46.8	111.08	5,989.1	-19.2	450.1	356.0	94.05	4.786	
17,500.0	11,732.0	17,778.3	11,894.0	46.7	47.5	111.08	6,089.1	-19.9	450.1	354.6	95.53	4.712	
17,600.0	11,732.0	17,878.3	11,894.0	47.4	48.3	111.08	6,189.1	-20.5	450.1	353.1	97.01	4.640	
17,700.0	11,732.0	17,978.3	11,894.0	48.2	49.0	111.08	6,289.1	-21.1	450.1	351.6	98.49	4.570	
17,800.0	11,732.0	18,078.3	11,894.0	48.9	49.8	111.08	6,389.1	-21.8	450.1	350.1	99.97	4.502	
17,900.0	11,732.0	18,178.3	11,894.0	49.7	50.6	111.08	6,489.1	-22.4	450.1	348.6	101.45	4.437	
18,000.0	11,732.0	18,278.3	11,894.0	50.4	51.3	111.08	6,589.1	-23.0	450.1	347.2	102.94	4.373	
18,100.0	11,732.0	18,378.3	11,894.0	51.2	52.1	111.08	6,689.1	-23.7	450.1	345.7	104.42	4.310	
18,200.0	11,732.0	18,478.3	11,894.0	51.9	52.8	111.08	6,789.1	-24.3	450.1	344.2	105.91	4.250	
18,300.0	11,732.0	18,578.3	11,894.0	52.7	53.6	111.08	6,889.1	-24.9	450.1	342.7	107.40	4.191	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #111H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11417-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
18,400.0	11,732.0	18,678.3	11,894.0	53.4	54.3	111.08	6,989.1	-25.6	450.1	341.2	108.89	4.134		
18,500.0	11,732.0	18,778.3	11,894.0	54.2	55.1	111.08	7,089.1	-26.2	450.1	339.7	110.38	4.078		
18,600.0	11,732.0	18,878.3	11,894.0	54.9	55.8	111.08	7,189.1	-26.8	450.1	338.2	111.87	4.023		
18,700.0	11,732.0	18,978.3	11,894.0	55.7	56.6	111.08	7,289.1	-27.5	450.1	336.7	113.37	3.970		
18,800.0	11,732.0	19,078.3	11,894.0	56.4	57.3	111.08	7,389.1	-28.1	450.1	335.2	114.86	3.919		
18,900.0	11,732.0	19,178.3	11,894.0	57.2	58.1	111.08	7,489.1	-28.7	450.1	333.8	116.36	3.868		
19,000.0	11,732.0	19,278.3	11,894.0	57.9	58.8	111.08	7,589.1	-29.4	450.1	332.3	117.85	3.819		
19,100.0	11,732.0	19,378.3	11,894.0	58.7	59.6	111.08	7,689.1	-30.0	450.1	330.8	119.35	3.771		
19,200.0	11,732.0	19,478.3	11,894.0	59.5	60.4	111.08	7,789.1	-30.6	450.1	329.3	120.85	3.725		
19,300.0	11,732.0	19,578.3	11,894.0	60.2	61.1	111.08	7,889.1	-31.3	450.1	327.8	122.35	3.679		
19,400.0	11,732.0	19,678.3	11,894.0	61.0	61.9	111.08	7,989.1	-31.9	450.1	326.3	123.85	3.634		
19,500.0	11,732.0	19,778.3	11,894.0	61.7	62.6	111.08	8,089.1	-32.5	450.1	324.8	125.35	3.591		
19,600.0	11,732.0	19,878.3	11,894.0	62.5	63.4	111.08	8,189.1	-33.2	450.1	323.3	126.85	3.548		
19,639.6	11,732.0	19,917.9	11,894.0	62.7	63.7	111.08	8,228.7	-33.4	450.1	322.8	127.37	3.534 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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #112H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11255-MWD+IFR1+MS								Rule Assigned:					Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	89.14	1.0	66.2	66.2	60.2	6.00	11.036		
100.0	100.0	99.9	99.9	3.0	3.0	89.14	1.0	66.2	66.2	60.2	6.00	11.031		
200.0	200.0	199.9	199.9	3.0	3.0	89.14	1.0	66.2	66.2	60.2	6.01	11.020		
300.0	300.0	299.9	299.9	3.0	3.0	89.14	1.0	66.2	66.2	60.2	6.02	11.003		
400.0	400.0	399.9	399.9	3.1	3.1	89.14	1.0	66.2	66.2	60.2	6.03	10.980		
500.0	500.0	499.9	499.9	3.1	3.1	89.14	1.0	66.2	66.2	60.2	6.05	10.952		
600.0	600.0	599.9	599.9	3.1	3.1	89.14	1.0	66.2	66.2	60.2	6.07	10.918		
700.0	700.0	699.9	699.9	3.2	3.2	89.14	1.0	66.2	66.2	60.1	6.09	10.878		
800.0	800.0	799.9	799.9	3.2	3.2	89.14	1.0	66.2	66.2	60.1	6.11	10.834		
900.0	900.0	899.9	899.9	3.2	3.2	89.14	1.0	66.2	66.2	60.1	6.14	10.784		
1,000.0	1,000.0	999.9	999.9	3.3	3.3	89.14	1.0	66.2	66.2	60.0	6.17	10.730		
1,100.0	1,100.0	1,099.9	1,099.9	3.4	3.4	89.14	1.0	66.2	66.2	60.0	6.21	10.670		
1,200.0	1,200.0	1,199.9	1,199.9	3.4	3.4	89.14	1.0	66.2	66.2	60.0	6.24	10.607		
1,300.0	1,300.0	1,299.9	1,299.9	3.5	3.5	89.14	1.0	66.2	66.2	59.9	6.28	10.539		
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	89.14	1.0	66.2	66.2	59.9	6.33	10.468		
1,500.0	1,500.0	1,499.9	1,499.9	3.6	3.6	89.14	1.0	66.2	66.2	59.8	6.37	10.393		
1,600.0	1,600.0	1,599.9	1,599.9	3.7	3.7	89.14	1.0	66.2	66.2	59.8	6.42	10.315		
1,700.0	1,700.0	1,699.9	1,699.9	3.8	3.8	89.14	1.0	66.2	66.2	59.7	6.47	10.234		
1,800.0	1,800.0	1,799.9	1,799.9	3.9	3.9	89.14	1.0	66.2	66.2	59.7	6.52	10.150		
1,900.0	1,900.0	1,899.9	1,899.9	3.9	3.9	89.14	1.0	66.2	66.2	59.6	6.58	10.063		
2,000.0	2,000.0	1,999.9	1,999.9	4.0	4.0	89.14	1.0	66.2	66.2	59.6	6.64	9.974		
2,100.0	2,100.0	2,099.9	2,099.9	4.1	4.1	89.14	1.0	66.2	66.2	59.5	6.70	9.884		
2,200.0	2,200.0	2,199.9	2,199.9	4.2	4.2	89.14	1.0	66.2	66.2	59.5	6.76	9.791		
2,300.0	2,300.0	2,299.9	2,299.9	4.3	4.3	89.14	1.0	66.2	66.2	59.4	6.83	9.697		
2,400.0	2,400.0	2,399.9	2,399.9	4.4	4.4	89.14	1.0	66.2	66.2	59.3	6.90	9.602 CC, ES		
2,500.0	2,500.0	2,499.9	2,499.9	4.5	4.5	160.58	1.6	67.8	69.5	62.5	6.97	9.974		
2,600.0	2,600.0	2,597.7	2,597.6	4.5	4.5	160.56	3.3	72.4	79.2	72.2	7.04	11.252		
2,700.0	2,699.8	2,694.8	2,694.7	4.6	4.6	160.53	6.0	80.1	95.4	88.3	7.12	13.393		
2,800.0	2,799.5	2,790.7	2,790.2	4.6	4.6	160.55	9.5	89.7	115.0	107.8	7.21	15.941		
2,900.0	2,898.9	2,888.5	2,887.5	4.7	4.7	160.56	13.0	99.3	134.6	127.3	7.31	18.408		
3,000.0	2,998.4	2,986.5	2,985.0	4.8	4.8	160.57	16.5	108.9	154.3	146.9	7.42	20.788		
3,100.0	3,097.8	3,084.6	3,082.5	4.8	4.8	160.58	20.0	118.6	173.9	166.4	7.54	23.081		
3,200.0	3,197.3	3,182.6	3,180.0	4.9	4.9	160.58	23.5	128.2	193.6	185.9	7.66	25.285		
3,300.0	3,296.7	3,280.7	3,277.5	5.0	5.0	160.59	27.0	137.8	213.2	205.4	7.78	27.399		
3,400.0	3,396.2	3,378.8	3,375.0	5.0	5.0	160.59	30.5	147.5	232.8	224.9	7.91	29.424		
3,500.0	3,495.6	3,476.8	3,472.6	5.1	5.1	160.59	34.0	157.1	252.5	244.4	8.05	31.361		
3,600.0	3,595.1	3,574.9	3,570.1	5.2	5.2	160.60	37.5	166.7	272.1	263.9	8.19	33.212		
3,700.0	3,694.5	3,672.9	3,667.6	5.3	5.3	160.60	41.0	176.4	291.8	283.4	8.34	34.977		
3,800.0	3,794.0	3,771.0	3,765.1	5.4	5.3	160.60	44.5	186.0	311.4	302.9	8.49	36.661		
3,900.0	3,893.4	3,869.0	3,862.6	5.4	5.4	160.60	48.0	195.6	331.0	322.4	8.65	38.265		
4,000.0	3,992.9	3,967.1	3,960.1	5.5	5.5	160.61	51.5	205.2	350.7	341.9	8.81	39.792		
4,100.0	4,092.3	4,065.1	4,057.6	5.6	5.6	160.61	55.0	214.9	370.3	361.3	8.98	41.245		
4,200.0	4,191.8	4,163.2	4,155.2	5.7	5.7	160.61	58.5	224.5	389.9	380.8	9.15	42.628		
4,300.0	4,291.2	4,261.2	4,252.7	5.8	5.8	160.61	62.0	234.1	409.6	400.3	9.32	43.942		
4,400.0	4,390.7	4,359.3	4,350.2	5.9	5.9	160.61	65.5	243.8	429.2	419.7	9.50	45.191		
4,500.0	4,490.1	4,457.3	4,447.7	6.0	6.0	160.61	69.0	253.4	448.9	439.2	9.68	46.379		
4,600.0	4,589.6	4,555.4	4,545.2	6.1	6.1	160.61	72.5	263.0	468.5	458.6	9.86	47.507		
4,700.0	4,689.0	4,653.4	4,642.7	6.2	6.2	160.61	76.0	272.7	488.1	478.1	10.05	48.580		
4,800.0	4,788.5	4,751.5	4,740.3	6.3	6.3	160.61	79.5	282.3	507.8	497.5	10.24	49.599		
4,900.0	4,887.9	4,849.5	4,837.8	6.4	6.4	160.62	83.0	291.9	527.4	517.0	10.43	50.568		
5,000.0	4,987.4	4,947.6	4,935.3	6.5	6.4	160.62	86.5	301.6	547.1	536.4	10.62	51.489		
5,100.0	5,086.9	5,045.6	5,032.8											

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #112H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11255-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,200.0	5,186.3	5,143.7	5,130.3	6.6	6.6	160.62	90.0	311.2	566.7	555.9	10.82	52.365	
5,300.0	5,285.8	5,241.8	5,227.8	6.7	6.7	160.62	93.5	320.8	586.3	575.3	11.02	53.197	
5,400.0	5,385.2	5,339.8	5,325.3	6.8	6.8	160.62	97.0	330.5	606.0	594.7	11.22	53.989	
5,500.0	5,484.7	5,437.9	5,422.9	6.9	6.9	160.62	100.5	340.1	625.6	614.2	11.43	54.743	
5,600.0	5,584.1	5,535.9	5,520.4	7.0	7.0	160.62	104.0	349.7	645.2	633.6	11.63	55.460	
5,700.0	5,683.6	5,634.0	5,617.9	7.1	7.1	160.62	107.5	359.4	664.9	653.0	11.84	56.143	
5,800.0	5,783.0	5,732.0	5,715.4	7.2	7.2	160.62	111.0	369.0	684.5	672.5	12.05	56.793	
5,900.0	5,882.5	5,830.1	5,812.9	7.3	7.3	160.62	114.5	378.6	704.2	691.9	12.27	57.412	
6,000.0	5,981.9	5,928.1	5,910.4	7.4	7.4	160.62	118.0	388.3	723.8	711.3	12.48	58.002	
6,100.0	6,081.4	6,026.2	6,008.0	7.5	7.5	160.62	121.5	397.9	743.4	730.7	12.69	58.564	
6,200.0	6,180.8	6,124.2	6,105.5	7.7	7.6	160.62	125.0	407.5	763.1	750.2	12.91	59.100	
6,300.0	6,280.3	6,235.8	6,216.5	7.8	7.7	160.65	128.7	417.6	781.9	768.8	13.12	59.576	
6,406.5	6,386.2	6,356.4	6,336.8	7.9	7.9	160.73	131.8	426.2	800.0	786.6	13.36	59.897	
6,500.0	6,479.3	6,463.1	6,443.3	8.0	8.0	160.87	133.9	431.8	813.4	799.9	13.56	59.974	
6,600.0	6,578.9	6,578.0	6,558.1	8.1	8.1	161.02	135.3	435.8	824.4	810.6	13.79	59.793	
6,700.0	6,678.7	6,693.4	6,673.5	8.2	8.2	161.16	135.9	437.6	831.8	817.8	14.02	59.345	
6,800.0	6,778.6	6,798.4	6,778.5	8.3	8.3	161.28	136.0	437.7	836.2	822.0	14.19	58.935	
6,900.0	6,878.6	6,898.4	6,878.5	8.4	8.4	161.34	136.0	437.7	838.8	824.4	14.34	58.476	
7,006.5	6,985.1	7,004.9	6,985.0	8.5	8.5	89.93	136.0	437.7	839.7	825.2	14.48	58.006	
7,100.0	7,078.6	7,098.4	7,078.5	8.6	8.6	89.93	136.0	437.7	839.7	825.1	14.56	57.658	
7,200.0	7,178.6	7,198.4	7,178.5	8.7	8.7	89.93	136.0	437.7	839.7	825.1	14.66	57.289	
7,300.0	7,278.6	7,298.4	7,278.5	8.8	8.8	89.93	136.0	437.7	839.7	825.0	14.75	56.921	
7,400.0	7,378.6	7,398.4	7,378.5	8.9	9.0	89.93	136.0	437.7	839.7	824.9	14.85	56.555	
7,500.0	7,478.6	7,498.4	7,478.5	9.0	9.1	89.93	136.0	437.7	839.7	824.8	14.94	56.191	
7,600.0	7,578.6	7,598.4	7,578.5	9.2	9.2	89.93	136.0	437.7	839.7	824.7	15.04	55.829	
7,700.0	7,678.6	7,698.4	7,678.5	9.3	9.3	89.93	136.0	437.7	839.7	824.6	15.14	55.470	
7,800.0	7,778.6	7,798.4	7,778.5	9.4	9.4	89.93	136.0	437.7	839.7	824.5	15.24	55.112	
7,900.0	7,878.6	7,898.4	7,878.5	9.5	9.5	89.93	136.0	437.7	839.7	824.4	15.34	54.757	
8,000.0	7,978.6	7,998.4	7,978.5	9.6	9.6	89.93	136.0	437.7	839.7	824.3	15.43	54.405	
8,100.0	8,078.6	8,098.4	8,078.5	9.7	9.7	89.93	136.0	437.7	839.7	824.2	15.53	54.054	
8,200.0	8,178.6	8,198.4	8,178.5	9.8	9.8	89.93	136.0	437.7	839.7	824.1	15.64	53.707	
8,300.0	8,278.6	8,298.4	8,278.5	9.9	9.9	89.93	136.0	437.7	839.7	824.0	15.74	53.361	
8,400.0	8,378.6	8,398.4	8,378.5	10.0	10.0	89.93	136.0	437.7	839.7	823.9	15.84	53.018	
8,500.0	8,478.6	8,498.4	8,478.5	10.1	10.1	89.93	136.0	437.7	839.7	823.8	15.94	52.677	
8,600.0	8,578.6	8,598.4	8,578.5	10.2	10.3	89.93	136.0	437.7	839.7	823.7	16.04	52.339	
8,700.0	8,678.6	8,698.4	8,678.5	10.3	10.4	89.93	136.0	437.7	839.7	823.6	16.15	52.004	
8,800.0	8,778.6	8,798.4	8,778.5	10.4	10.5	89.93	136.0	437.7	839.7	823.5	16.25	51.671	
8,900.0	8,878.6	8,898.4	8,878.5	10.6	10.6	89.93	136.0	437.7	839.7	823.4	16.36	51.341	
9,000.0	8,978.6	8,998.4	8,978.5	10.7	10.7	89.93	136.0	437.7	839.7	823.2	16.46	51.013	
9,100.0	9,078.6	9,098.4	9,078.5	10.8	10.8	89.93	136.0	437.7	839.7	823.1	16.57	50.688	
9,200.0	9,178.6	9,198.4	9,178.5	10.9	10.9	89.93	136.0	437.7	839.7	823.0	16.67	50.365	
9,300.0	9,278.6	9,298.4	9,278.5	11.0	11.1	89.93	136.0	437.7	839.7	822.9	16.78	50.045	
9,400.0	9,378.6	9,398.4	9,378.5	11.1	11.2	89.93	136.0	437.7	839.7	822.8	16.89	49.728	
9,500.0	9,478.6	9,498.4	9,478.5	11.2	11.3	89.93	136.0	437.7	839.7	822.7	16.99	49.413	
9,600.0	9,578.6	9,598.4	9,578.5	11.3	11.4	89.93	136.0	437.7	839.7	822.6	17.10	49.101	
9,700.0	9,678.6	9,698.4	9,678.5	11.5	11.5	89.93	136.0	437.7	839.7	822.5	17.21	48.791	
9,800.0	9,778.6	9,798.4	9,778.5	11.6	11.6	89.93	136.0	437.7	839.7	822.4	17.32	48.485	
9,900.0	9,878.6	9,898.4	9,878.5	11.7	11.7	89.93	136.0	437.7	839.7	822.3	17.43	48.180	
10,000.0	9,978.6	9,998.4	9,978.5	11.8	11.9	89.93	136.0	437.7	839.7	822.2	17.54	47.879	
10,100.0	10,078.6	10,098.4	10,078.5	11.9	12.0	89.93	136.0	437.7	839.7	822.1	17.65	47.580	
10,200.0	10,178.6	10,198.4	10,178.5	12.0	12.1	89.93	136.0	437.7	839.7	822.0	17.76	47.284	
10,300.0	10,278.6	10,298.4	10,278.5	12.1	12.2	89.93	136.0	437.7	839.7	821.8	17.87	46.990	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #112H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11255-MWD+IFR1+MS								Rule Assigned:					Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,400.0	10,378.6	10,398.4	10,378.5	12.3	12.3	89.93	136.0	437.7	839.7	821.7	17.98	46.699		
10,500.0	10,478.6	10,498.4	10,478.5	12.4	12.4	89.93	136.0	437.7	839.7	821.6	18.09	46.410		
10,600.0	10,578.6	10,598.4	10,578.5	12.5	12.6	89.93	136.0	437.7	839.7	821.5	18.21	46.124		
10,700.0	10,678.6	10,698.4	10,678.5	12.6	12.7	89.93	136.0	437.7	839.7	821.4	18.32	45.841		
10,800.0	10,778.6	10,798.4	10,778.5	12.7	12.8	89.93	136.0	437.7	839.7	821.3	18.43	45.560		
10,900.0	10,878.6	10,898.4	10,878.5	12.8	12.9	89.93	136.0	437.7	839.7	821.2	18.54	45.281		
11,000.0	10,978.6	10,998.4	10,978.5	13.0	13.0	89.93	136.0	437.7	839.7	821.1	18.66	45.005		
11,100.0	11,078.6	11,098.4	11,078.5	13.1	13.2	89.93	136.0	437.7	839.7	820.9	18.77	44.732		
11,200.0	11,178.6	11,198.4	11,178.5	13.2	13.3	89.93	136.0	437.7	839.7	820.8	18.89	44.461		
11,275.9	11,254.5	11,274.3	11,254.4	13.2	13.3	89.93	136.0	437.7	839.7	820.8	18.95	44.311		
11,300.0	11,278.6	11,298.6	11,278.7	13.3	13.4	90.30	136.6	437.7	839.7	820.8	18.96	44.297		
11,325.0	11,303.5	11,323.8	11,303.9	13.3	13.4	90.30	138.5	437.7	839.7	820.7	18.96	44.279		
11,350.0	11,328.3	11,349.1	11,328.9	13.3	13.4	90.29	141.8	437.7	839.7	820.7	18.97	44.257		
11,375.0	11,352.9	11,374.3	11,353.7	13.3	13.4	90.29	146.4	437.6	839.7	820.7	18.98	44.231		
11,400.0	11,377.2	11,399.5	11,378.2	13.4	13.5	90.29	152.3	437.6	839.7	820.7	19.00	44.200		
11,425.0	11,401.2	11,424.7	11,402.4	13.4	13.5	90.28	159.5	437.6	839.7	820.7	19.01	44.165		
11,450.0	11,424.8	11,449.9	11,426.1	13.4	13.5	90.28	167.9	437.5	839.7	820.7	19.03	44.124		
11,475.0	11,447.9	11,475.2	11,449.4	13.5	13.6	90.27	177.6	437.4	839.7	820.7	19.05	44.078		
11,500.0	11,470.5	11,500.4	11,472.1	13.5	13.6	90.27	188.5	437.4	839.7	820.6	19.07	44.026		
11,525.0	11,492.5	11,525.6	11,494.3	13.5	13.6	90.26	200.5	437.3	839.7	820.6	19.10	43.967		
11,550.0	11,513.8	11,550.8	11,515.7	13.6	13.7	90.25	213.8	437.2	839.7	820.6	19.13	43.901		
11,575.0	11,534.4	11,576.0	11,536.4	13.6	13.7	90.24	228.1	437.1	839.7	820.6	19.16	43.828		
11,600.0	11,554.3	11,601.1	11,556.3	13.6	13.8	90.23	243.5	437.0	839.7	820.5	19.20	43.745		
11,612.3	11,563.7	11,613.5	11,565.8	13.7	13.8	90.23	251.4	437.0	839.7	820.5	19.22	43.701		
11,625.0	11,573.3	11,626.3	11,575.4	13.7	13.8	90.22	259.9	436.9	839.7	820.5	19.24	43.654		
11,650.0	11,591.5	11,651.5	11,593.6	13.7	13.8	90.21	277.3	436.8	839.7	820.4	19.28	43.553		
11,675.0	11,608.7	11,676.6	11,610.8	13.7	13.9	90.20	295.6	436.7	839.7	820.4	19.33	43.442		
11,700.0	11,625.0	11,701.8	11,627.1	13.8	13.9	90.19	314.8	436.6	839.7	820.3	19.38	43.320		
11,725.0	11,640.2	11,726.9	11,642.3	13.8	13.9	90.18	334.9	436.5	839.7	820.3	19.44	43.188		
11,750.0	11,654.4	11,752.1	11,656.4	13.8	14.0	90.17	355.7	436.3	839.7	820.2	19.51	43.044		
11,775.0	11,667.5	11,777.2	11,669.4	13.9	14.0	90.15	377.1	436.2	839.7	820.1	19.58	42.888		
11,800.0	11,679.5	11,802.3	11,681.2	13.9	14.0	90.14	399.3	436.0	839.7	820.1	19.66	42.721		
11,825.0	11,690.3	11,827.4	11,691.9	13.9	14.1	90.13	422.0	435.9	839.7	820.0	19.74	42.542		
11,850.0	11,699.9	11,852.5	11,701.4	14.0	14.1	90.11	445.2	435.8	839.7	819.9	19.83	42.352		
11,875.0	11,708.3	11,877.6	11,709.6	14.0	14.1	90.10	468.9	435.6	839.7	819.8	19.92	42.151		
11,900.0	11,715.5	11,902.6	11,716.5	14.0	14.1	90.08	493.0	435.5	839.7	819.7	20.02	41.939		
11,925.0	11,721.3	11,927.7	11,722.2	14.0	14.1	90.07	517.4	435.3	839.7	819.6	20.13	41.716		
11,950.0	11,725.9	11,952.7	11,726.6	14.0	14.2	90.05	542.1	435.1	839.7	819.5	20.24	41.484		
11,975.0	11,729.3	11,977.8	11,729.7	14.1	14.2	90.04	566.9	435.0	839.7	819.4	20.36	41.244		
12,000.0	11,731.3	12,002.8	11,731.5	14.1	14.2	90.02	591.9	434.8	839.7	819.2	20.48	40.995		
12,025.9	11,732.0	12,028.7	11,732.0	14.1	14.2	90.01	617.8	434.7	839.7	819.1	20.62	40.728		
12,100.0	11,732.0	12,102.8	11,732.0	14.1	14.2	90.01	691.9	434.2	839.7	818.7	21.05	39.895		
12,200.0	11,732.0	12,202.8	11,732.0	14.2	14.3	90.01	791.9	433.6	839.7	818.0	21.74	38.632		
12,300.0	11,732.0	12,302.8	11,732.0	14.3	14.4	90.01	891.9	432.9	839.7	817.2	22.51	37.298		
12,400.0	11,732.0	12,402.8	11,732.0	14.3	14.5	90.01	991.9	432.3	839.7	816.4	23.37	35.938		
12,500.0	11,732.0	12,502.8	11,732.0	14.5	14.6	90.01	1,091.9	431.7	839.7	815.4	24.28	34.579		
12,600.0	11,732.0	12,602.8	11,732.0	14.6	14.7	90.01	1,191.8	431.0	839.7	814.5	25.26	33.242		
12,700.0	11,732.0	12,702.8	11,732.0	14.8	14.9	90.01	1,291.8	430.4	839.7	813.4	26.29	31.940		
12,800.0	11,732.0	12,802.8	11,732.0	15.0	15.1	90.01	1,391.8	429.8	839.7	812.4	27.37	30.684		
12,900.0	11,732.0	12,902.8	11,732.0	15.3	15.4	90.01	1,491.8	429.1	839.7	811.3	28.48	29.481		
13,000.0	11,732.0	13,002.8	11,732.0	15.7	15.7	90.01	1,591.8	428.5	839.8	810.1	29.64	28.333		
13,100.0	11,732.0	13,102.8	11,732.0	16.1	16.1	90.01	1,691.8	427.9	839.8	808.9	30.82	27.243		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #112H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11255-MWD+IFR1+MS							Rule Assigned:						Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
13,200.0	11,732.0	13,202.8	11,732.0	16.6	16.6	90.01	1,791.8	427.2	839.8	807.7	32.04	26.210		
13,300.0	11,732.0	13,302.8	11,732.0	17.1	17.1	90.01	1,891.8	426.6	839.8	806.5	33.28	25.233		
13,400.0	11,732.0	13,402.8	11,732.0	17.6	17.6	90.01	1,991.8	426.0	839.8	805.2	34.54	24.310		
13,500.0	11,732.0	13,502.8	11,732.0	18.2	18.2	90.01	2,091.8	425.4	839.8	803.9	35.83	23.439		
13,600.0	11,732.0	13,602.8	11,732.0	18.8	18.8	90.01	2,191.8	424.7	839.8	802.6	37.13	22.616		
13,700.0	11,732.0	13,702.8	11,732.0	19.4	19.4	90.01	2,291.8	424.1	839.8	801.3	38.45	21.841		
13,800.0	11,732.0	13,802.8	11,732.0	20.1	20.1	90.01	2,391.8	423.5	839.8	800.0	39.78	21.108		
13,900.0	11,732.0	13,902.8	11,732.0	20.7	20.7	90.01	2,491.8	422.8	839.8	798.7	41.13	20.417		
14,000.0	11,732.0	14,002.8	11,732.0	21.4	21.4	90.01	2,591.8	422.2	839.8	797.3	42.49	19.764		
14,100.0	11,732.0	14,102.8	11,732.0	22.0	22.0	90.01	2,691.8	421.6	839.8	795.9	43.86	19.146		
14,200.0	11,732.0	14,202.8	11,732.0	22.7	22.7	90.01	2,791.8	420.9	839.8	794.6	45.24	18.562		
14,300.0	11,732.0	14,302.8	11,732.0	23.4	23.4	90.01	2,891.8	420.3	839.8	793.2	46.63	18.009		
14,400.0	11,732.0	14,402.8	11,732.0	24.1	24.1	90.01	2,991.8	419.7	839.8	791.8	48.03	17.485		
14,500.0	11,732.0	14,502.8	11,732.0	24.8	24.8	90.01	3,091.8	419.0	839.8	790.4	49.44	16.988		
14,600.0	11,732.0	14,602.8	11,732.0	25.5	25.5	90.01	3,191.8	418.4	839.8	789.0	50.85	16.516		
14,700.0	11,732.0	14,702.8	11,732.0	26.2	26.2	90.01	3,291.8	417.8	839.8	787.5	52.27	16.068		
14,800.0	11,732.0	14,802.8	11,732.0	26.9	26.9	90.01	3,391.8	417.1	839.8	786.1	53.69	15.641		
14,900.0	11,732.0	14,902.8	11,732.0	27.6	27.6	90.01	3,491.8	416.5	839.8	784.7	55.12	15.236		
15,000.0	11,732.0	15,002.8	11,732.0	28.3	28.3	90.01	3,591.8	415.9	839.8	783.3	56.56	14.849		
15,100.0	11,732.0	15,102.8	11,732.0	29.0	29.0	90.01	3,691.8	415.2	839.8	781.8	58.00	14.480		
15,200.0	11,732.0	15,202.8	11,732.0	29.8	29.8	90.01	3,791.8	414.6	839.8	780.4	59.44	14.129		
15,300.0	11,732.0	15,302.8	11,732.0	30.5	30.5	90.01	3,891.8	414.0	839.8	778.9	60.89	13.793		
15,400.0	11,732.0	15,402.8	11,732.0	31.2	31.2	90.01	3,991.8	413.3	839.8	777.5	62.34	13.471		
15,500.0	11,732.0	15,502.8	11,732.0	31.9	31.9	90.01	4,091.8	412.7	839.8	776.0	63.80	13.164		
15,600.0	11,732.0	15,602.8	11,732.0	32.7	32.7	90.01	4,191.8	412.1	839.8	774.6	65.26	12.870		
15,700.0	11,732.0	15,702.8	11,732.0	33.4	33.4	90.01	4,291.8	411.5	839.8	773.1	66.72	12.588		
15,800.0	11,732.0	15,802.8	11,732.0	34.1	34.1	90.01	4,391.8	410.8	839.8	771.7	68.18	12.317		
15,900.0	11,732.0	15,902.8	11,732.0	34.8	34.9	90.01	4,491.8	410.2	839.9	770.2	69.65	12.058		
16,000.0	11,732.0	16,002.8	11,732.0	35.6	35.6	90.01	4,591.8	409.6	839.9	768.7	71.12	11.809		
16,100.0	11,732.0	16,102.8	11,732.0	36.3	36.3	90.01	4,691.8	408.9	839.9	767.3	72.59	11.569		
16,200.0	11,732.0	16,202.8	11,732.0	37.0	37.1	90.01	4,791.8	408.3	839.9	765.8	74.07	11.339		
16,300.0	11,732.0	16,302.8	11,732.0	37.8	37.8	90.01	4,891.8	407.7	839.9	764.3	75.54	11.117		
16,400.0	11,732.0	16,402.8	11,732.0	38.5	38.5	90.01	4,991.8	407.0	839.9	762.8	77.02	10.904		
16,500.0	11,732.0	16,502.8	11,732.0	39.3	39.3	90.01	5,091.8	406.4	839.9	761.4	78.50	10.699		
16,600.0	11,732.0	16,602.8	11,732.0	40.0	40.0	90.01	5,191.8	405.8	839.9	759.9	79.99	10.500		
16,700.0	11,732.0	16,702.8	11,732.0	40.7	40.8	90.01	5,291.8	405.1	839.9	758.4	81.47	10.309		
16,800.0	11,732.0	16,802.8	11,732.0	41.5	41.5	90.01	5,391.8	404.5	839.9	756.9	82.95	10.125		
16,900.0	11,732.0	16,902.8	11,732.0	42.2	42.2	90.01	5,491.8	403.9	839.9	755.4	84.44	9.946		
17,000.0	11,732.0	17,002.8	11,732.0	43.0	43.0	90.01	5,591.8	403.2	839.9	754.0	85.93	9.774		
17,100.0	11,732.0	17,102.8	11,732.0	43.7	43.7	90.01	5,691.8	402.6	839.9	752.5	87.42	9.608		
17,200.0	11,732.0	17,202.8	11,732.0	44.5	44.5	90.01	5,791.8	402.0	839.9	751.0	88.91	9.447		
17,300.0	11,732.0	17,302.8	11,732.0	45.2	45.2	90.01	5,891.8	401.3	839.9	749.5	90.40	9.291		
17,400.0	11,732.0	17,402.8	11,732.0	45.9	46.0	90.01	5,991.8	400.7	839.9	748.0	91.90	9.140		
17,500.0	11,732.0	17,502.8	11,732.0	46.7	46.7	90.01	6,091.8	400.1	839.9	746.5	93.39	8.994		
17,600.0	11,732.0	17,602.8	11,732.0	47.4	47.5	90.01	6,191.7	399.4	839.9	745.0	94.88	8.852		
17,700.0	11,732.0	17,702.8	11,732.0	48.2	48.2	90.01	6,291.7	398.8	839.9	743.5	96.38	8.715		
17,800.0	11,732.0	17,802.8	11,732.0	48.9	49.0	90.01	6,391.7	398.2	839.9	742.0	97.88	8.581		
17,900.0	11,732.0	17,902.8	11,732.0	49.7	49.7	90.01	6,491.7	397.6	839.9	740.5	99.38	8.452		
18,000.0	11,732.0	18,002.8	11,732.0	50.4	50.5	90.01	6,591.7	396.9	839.9	739.1	100.88	8.326		
18,100.0	11,732.0	18,102.8	11,732.0	51.2	51.2	90.01	6,691.7	396.3	839.9	737.6	102.38	8.204		
18,200.0	11,732.0	18,202.8	11,732.0	51.9	52.0	90.01	6,791.7	395.7	839.9	736.1	103.88	8.086		
18,300.0	11,732.0	18,302.8	11,732.0	52.7	52.7	90.01	6,891.7	395.0	839.9	734.6	105.38	7.971		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #112H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11255-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,400.0	11,732.0	18,402.8	11,732.0	53.4	53.5	90.01	6,991.7	394.4	839.9	733.1	106.88	7.859	
18,500.0	11,732.0	18,502.8	11,732.0	54.2	54.2	90.01	7,091.7	393.8	839.9	731.6	108.38	7.750	
18,600.0	11,732.0	18,602.8	11,732.0	54.9	55.0	90.01	7,191.7	393.1	839.9	730.1	109.89	7.644	
18,700.0	11,732.0	18,702.8	11,732.0	55.7	55.7	90.01	7,291.7	392.5	840.0	728.6	111.39	7.541	
18,800.0	11,732.0	18,802.8	11,732.0	56.4	56.5	90.01	7,391.7	391.9	840.0	727.1	112.89	7.440	
18,900.0	11,732.0	18,902.8	11,732.0	57.2	57.2	90.01	7,491.7	391.2	840.0	725.6	114.40	7.342	
19,000.0	11,732.0	19,002.8	11,732.0	57.9	58.0	90.01	7,591.7	390.6	840.0	724.1	115.91	7.247	
19,100.0	11,732.0	19,102.8	11,732.0	58.7	58.7	90.01	7,691.7	390.0	840.0	722.6	117.41	7.154	
19,200.0	11,732.0	19,202.8	11,732.0	59.5	59.5	90.01	7,791.7	389.3	840.0	721.1	118.92	7.063	
19,300.0	11,732.0	19,302.8	11,732.0	60.2	60.2	90.01	7,891.7	388.7	840.0	719.5	120.43	6.975	
19,400.0	11,732.0	19,402.8	11,732.0	61.0	61.0	90.01	7,991.7	388.1	840.0	718.0	121.93	6.889	
19,500.0	11,732.0	19,502.8	11,732.0	61.7	61.7	90.01	8,091.7	387.4	840.0	716.5	123.44	6.805	
19,600.0	11,732.0	19,602.8	11,732.0	62.5	62.5	90.01	8,191.7	386.8	840.0	715.0	124.95	6.723	
19,639.6	11,732.0	19,642.4	11,732.0	62.7	62.8	90.01	8,231.3	386.6	840.0	714.5	125.48	6.694 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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #114H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11028-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	3.0	179.76	-140.1	0.6	140.1	134.1	6.00	23.354	
100.0	100.0	98.7	98.7	3.0	3.0	3.0	179.76	-140.1	0.6	140.1	134.1	6.01	23.317	
200.0	200.0	198.7	198.7	3.0	3.0	3.0	179.76	-140.1	0.6	140.1	134.1	6.03	23.234	
300.0	300.0	298.7	298.7	3.0	3.0	3.0	179.76	-140.1	0.6	140.1	134.1	6.06	23.109	
400.0	400.0	398.7	398.7	3.0	3.0	3.0	179.76	-140.1	0.6	140.1	134.0	6.11	22.944	
500.0	500.0	498.7	498.7	3.1	3.1	3.1	179.76	-140.1	0.6	140.1	134.0	6.16	22.739	
600.0	600.0	598.7	598.7	3.1	3.1	3.1	179.76	-140.1	0.6	140.1	133.9	6.23	22.500	
700.0	700.0	698.7	698.7	3.2	3.2	3.2	179.76	-140.1	0.6	140.1	133.8	6.30	22.229	
800.0	800.0	798.7	798.7	3.2	3.2	3.2	179.76	-140.1	0.6	140.1	133.8	6.39	21.931	
900.0	900.0	898.7	898.7	3.2	3.2	3.2	179.76	-140.1	0.6	140.1	133.7	6.49	21.608	
1,000.0	1,000.0	998.7	998.7	3.3	3.3	3.3	179.76	-140.1	0.6	140.1	133.6	6.59	21.265	
1,100.0	1,100.0	1,098.7	1,098.7	3.4	3.4	3.4	179.76	-140.1	0.6	140.1	133.4	6.70	20.905	
1,200.0	1,200.0	1,198.7	1,198.7	3.4	3.4	3.4	179.76	-140.1	0.6	140.1	133.3	6.83	20.533	
1,300.0	1,300.0	1,298.7	1,298.7	3.5	3.5	3.5	179.76	-140.1	0.6	140.1	133.2	6.95	20.150	
1,400.0	1,400.0	1,398.7	1,398.7	3.5	3.5	3.5	179.76	-140.1	0.6	140.1	133.0	7.09	19.761	
1,500.0	1,500.0	1,498.7	1,498.7	3.6	3.6	3.6	179.76	-140.1	0.6	140.1	132.9	7.24	19.368	
1,600.0	1,600.0	1,598.7	1,598.7	3.7	3.7	3.7	179.76	-140.1	0.6	140.1	132.8	7.39	18.973	
1,700.0	1,700.0	1,698.7	1,698.7	3.8	3.8	3.8	179.76	-140.1	0.6	140.1	132.6	7.54	18.578	
1,800.0	1,800.0	1,798.7	1,798.7	3.9	3.9	3.9	179.76	-140.1	0.6	140.1	132.4	7.71	18.186	
1,900.0	1,900.0	1,898.7	1,898.7	3.9	3.9	3.9	179.76	-140.1	0.6	140.1	132.3	7.87	17.798	
2,000.0	2,000.0	1,998.7	1,998.7	4.0	4.0	4.0	179.76	-140.1	0.6	140.1	132.1	8.05	17.415	
2,100.0	2,100.0	2,098.7	2,098.7	4.1	4.1	4.1	179.76	-140.1	0.6	140.1	131.9	8.23	17.038	
2,200.0	2,200.0	2,198.7	2,198.7	4.2	4.2	4.2	179.76	-140.1	0.6	140.1	131.7	8.41	16.668	
2,300.0	2,300.0	2,298.7	2,298.7	4.3	4.3	4.3	179.76	-140.1	0.6	140.1	131.5	8.59	16.305	
2,400.0	2,400.0	2,398.7	2,398.7	4.4	4.4	4.4	179.76	-140.1	0.6	140.1	131.4	8.79	15.951	
2,500.0	2,500.0	2,498.7	2,498.7	4.5	4.5	4.5	-109.84	-138.4	1.3	139.1	130.1	8.95	15.536	
2,600.0	2,600.0	2,603.1	2,603.1	4.5	4.6	4.6	-112.51	-135.2	2.7	137.9	128.8	9.09	15.164	
2,700.0	2,699.8	2,702.9	2,702.8	4.5	4.6	4.6	-113.31	-134.5	3.0	137.8	128.7	9.12	15.109 CC, ES	
2,722.9	2,722.6	2,725.7	2,725.6	4.6	4.7	4.7	-116.48	-132.1	4.1	138.4	129.2	9.21	15.022 SF	
2,800.0	2,799.5	2,802.4	2,802.3	4.6	4.8	4.8	-121.01	-128.9	5.5	140.6	131.2	9.32	15.084	
2,900.0	2,898.9	2,901.8	2,901.6	4.7	4.9	4.9	-125.38	-125.7	6.9	143.6	134.2	9.41	15.262	
3,000.0	2,998.4	3,001.1	3,000.9	4.8	5.0	5.0	-129.55	-122.5	8.3	147.4	137.9	9.48	15.547	
3,100.0	3,097.8	3,100.5	3,100.2	4.8	5.1	5.1	-133.49	-119.3	9.6	151.9	142.4	9.54	15.925	
3,200.0	3,197.3	3,199.9	3,199.5	4.9	5.2	5.2	-137.19	-116.2	11.0	157.1	147.5	9.59	16.384	
3,300.0	3,296.7	3,299.2	3,298.8	5.0	5.3	5.3	-140.64	-113.0	12.4	163.0	153.3	9.64	16.912	
3,400.0	3,396.2	3,398.6	3,398.1	5.0	5.4	5.4	-143.85	-109.8	13.8	169.4	159.7	9.68	17.497	
3,500.0	3,495.6	3,497.9	3,497.4	5.1	5.5	5.5	-146.81	-106.6	15.2	176.3	166.5	9.72	18.128	
3,600.0	3,595.1	3,597.3	3,596.7	5.2	5.6	5.6	-149.55	-103.4	16.6	183.6	173.8	9.77	18.794	
3,700.0	3,694.5	3,696.7	3,696.0	5.3	5.7	5.7	-151.91	-100.7	17.7	191.5	181.7	9.82	19.496	
3,800.0	3,794.0	3,795.1	3,794.3	5.4	5.8	5.8	-153.65	-99.5	18.3	200.3	190.4	9.90	20.231	
3,900.0	3,893.4	3,893.2	3,892.5	5.4	5.9	5.9	-154.93	-99.5	18.3	209.7	199.7	10.02	20.938	
4,000.0	3,992.9	3,992.3	3,991.6	5.5	6.0	6.0	-156.08	-99.5	18.3	219.2	209.1	10.14	21.621	
4,100.0	4,092.3	4,091.8	4,091.0	5.6	6.1	6.1	-157.15	-99.5	18.3	228.8	218.6	10.27	22.287	
4,200.0	4,191.8	4,191.2	4,190.5	5.7	6.2	6.2	-158.12	-99.5	18.3	238.5	228.1	10.40	22.935	
4,300.0	4,291.2	4,290.7	4,289.9	5.8	6.4	6.4	-159.02	-99.5	18.3	248.2	237.7	10.53	23.565	
4,400.0	4,390.7	4,390.1	4,389.4	5.9	6.5	6.5	-159.85	-99.5	18.3	258.0	247.4	10.67	24.176	
4,500.0	4,490.1	4,489.6	4,488.8	6.0	6.6	6.6	-160.62	-99.5	18.3	267.9	257.1	10.81	24.770	
4,600.0	4,589.6	4,589.0	4,588.3	6.1	6.7	6.7	-161.33	-99.5	18.3	277.8	266.8	10.96	25.346	
4,700.0	4,689.0	4,688.5	4,687.7	6.2	6.8	6.8	-162.00	-99.5	18.3	287.7	276.6	11.11	25.904	
4,800.0	4,788.5	4,787.9	4,787.2	6.3	6.9	6.9	-162.62	-99.5	18.3	297.7	286.4	11.26	26.445	
4,900.0	4,887.9	4,887.4	4,886.6	6.4	7.1	7.1	-163.20	-99.5	18.3	307.6	296.2	11.41	26.969	
5,000.0	4,987.4	4,986.8	4,986.1											

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #114H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11028-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,100.0	5,086.9	5,086.3	5,085.6	6.5	7.2	-163.75	-99.5	18.3	317.7	306.1	11.56	27.476		
5,200.0	5,186.3	5,185.7	5,185.0	6.6	7.3	-164.26	-99.5	18.3	327.7	316.0	11.72	27.968		
5,300.0	5,285.8	5,285.2	5,284.5	6.7	7.4	-164.74	-99.5	18.3	337.8	325.9	11.88	28.443		
5,400.0	5,385.2	5,384.7	5,383.9	6.8	7.5	-165.19	-99.5	18.3	347.9	335.9	12.04	28.904		
5,500.0	5,484.7	5,484.1	5,483.4	6.9	7.7	-165.62	-99.5	18.3	358.0	345.8	12.20	29.350		
5,600.0	5,584.1	5,583.6	5,582.8	7.0	7.8	-166.02	-99.5	18.3	368.2	355.8	12.36	29.782		
5,700.0	5,683.6	5,683.0	5,682.3	7.1	7.9	-166.41	-99.5	18.3	378.3	365.8	12.53	30.200		
5,800.0	5,783.0	5,782.5	5,781.7	7.2	8.0	-166.77	-99.5	18.3	388.5	375.8	12.69	30.605		
5,900.0	5,882.5	5,881.9	5,881.2	7.3	8.1	-167.11	-99.5	18.3	398.7	385.8	12.86	30.997		
6,000.0	5,981.9	5,981.4	5,980.6	7.4	8.3	-167.44	-99.5	18.3	408.9	395.8	13.03	31.377		
6,100.0	6,081.4	6,080.8	6,080.1	7.5	8.4	-167.75	-99.5	18.3	419.1	405.9	13.20	31.744		
6,200.0	6,180.8	6,180.3	6,179.5	7.7	8.5	-168.04	-99.5	18.3	429.3	415.9	13.37	32.101		
6,300.0	6,280.3	6,279.7	6,279.0	7.8	8.6	-168.33	-99.5	18.3	439.5	426.0	13.55	32.446		
6,406.5	6,386.2	6,385.6	6,384.9	7.9	8.8	-168.61	-99.5	18.3	450.4	436.7	13.73	32.802		
6,500.0	6,479.3	6,478.7	6,478.0	8.0	8.9	-168.85	-99.5	18.3	459.3	445.4	13.90	33.048		
6,600.0	6,578.9	6,578.4	6,577.6	8.1	9.0	-169.06	-99.5	18.3	467.1	453.0	14.08	33.179		
6,700.0	6,678.7	6,678.2	6,677.4	8.2	9.1	-169.21	-99.5	18.3	473.2	458.9	14.26	33.178		
6,800.0	6,778.6	6,778.1	6,777.3	8.3	9.2	-169.32	-99.5	18.3	477.6	463.2	14.45	33.050		
6,900.0	6,878.6	6,878.0	6,877.3	8.4	9.4	-169.38	-99.5	18.3	480.3	465.6	14.64	32.801		
7,006.5	6,985.1	6,984.5	6,983.8	8.5	9.5	-119.15	-99.5	18.3	481.3	466.4	14.83	32.453		
7,100.0	7,078.6	7,078.0	7,077.3	8.6	9.6	-119.15	-99.5	18.3	481.3	466.3	14.98	32.134		
7,200.0	7,178.6	7,178.0	7,177.3	8.7	9.7	-119.15	-99.5	18.3	481.3	466.1	15.14	31.798		
7,300.0	7,278.6	7,278.0	7,277.3	8.8	9.9	-119.15	-99.5	18.3	481.3	466.0	15.29	31.468		
7,400.0	7,378.6	7,378.0	7,377.3	8.9	10.0	-119.15	-99.5	18.3	481.3	465.8	15.45	31.144		
7,500.0	7,478.6	7,478.0	7,477.3	9.0	10.1	-119.15	-99.5	18.3	481.3	465.7	15.61	30.826		
7,600.0	7,578.6	7,578.0	7,577.3	9.2	10.2	-119.15	-99.5	18.3	481.3	465.5	15.77	30.514		
7,700.0	7,678.6	7,678.0	7,677.3	9.3	10.4	-119.15	-99.5	18.3	481.3	465.3	15.93	30.207		
7,800.0	7,778.6	7,778.0	7,777.3	9.4	10.5	-119.15	-99.5	18.3	481.3	465.2	16.09	29.905		
7,900.0	7,878.6	7,878.0	7,877.3	9.5	10.6	-119.15	-99.5	18.3	481.3	465.0	16.25	29.609		
8,000.0	7,978.6	7,978.0	7,977.3	9.6	10.7	-119.15	-99.5	18.3	481.3	464.8	16.42	29.318		
8,100.0	8,078.6	8,078.0	8,077.3	9.7	10.9	-119.15	-99.5	18.3	481.3	464.7	16.58	29.033		
8,200.0	8,178.6	8,178.0	8,177.3	9.8	11.0	-119.15	-99.5	18.3	481.3	464.5	16.74	28.752		
8,300.0	8,278.6	8,278.0	8,277.3	9.9	11.1	-119.15	-99.5	18.3	481.3	464.4	16.90	28.476		
8,400.0	8,378.6	8,378.0	8,377.3	10.0	11.3	-119.15	-99.5	18.3	481.3	464.2	17.06	28.205		
8,500.0	8,478.6	8,478.0	8,477.3	10.1	11.4	-119.15	-99.5	18.3	481.3	464.0	17.23	27.938		
8,600.0	8,578.6	8,578.0	8,577.3	10.2	11.5	-119.15	-99.5	18.3	481.3	463.9	17.39	27.676		
8,700.0	8,678.6	8,678.0	8,677.3	10.3	11.6	-119.15	-99.5	18.3	481.3	463.7	17.55	27.418		
8,800.0	8,778.6	8,778.0	8,777.3	10.4	11.8	-119.15	-99.5	18.3	481.3	463.5	17.72	27.165		
8,900.0	8,878.6	8,878.0	8,877.3	10.6	11.9	-119.15	-99.5	18.3	481.3	463.4	17.88	26.916		
9,000.0	8,978.6	8,978.0	8,977.3	10.7	12.0	-119.15	-99.5	18.3	481.3	463.2	18.04	26.671		
9,100.0	9,078.6	9,078.0	9,077.3	10.8	12.1	-119.15	-99.5	18.3	481.3	463.1	18.21	26.431		
9,200.0	9,178.6	9,178.0	9,177.3	10.9	12.3	-119.15	-99.5	18.3	481.3	462.9	18.37	26.194		
9,300.0	9,278.6	9,278.0	9,277.3	11.0	12.4	-119.15	-99.5	18.3	481.3	462.7	18.54	25.961		
9,400.0	9,378.6	9,378.0	9,377.3	11.1	12.5	-119.15	-99.5	18.3	481.3	462.6	18.70	25.732		
9,500.0	9,478.6	9,478.0	9,477.3	11.2	12.7	-119.15	-99.5	18.3	481.3	462.4	18.87	25.506		
9,600.0	9,578.6	9,578.0	9,577.3	11.3	12.8	-119.15	-99.5	18.3	481.3	462.2	19.03	25.284		
9,700.0	9,678.6	9,678.0	9,677.3	11.5	12.9	-119.15	-99.5	18.3	481.3	462.1	19.20	25.066		
9,800.0	9,778.6	9,778.0	9,777.3	11.6	13.0	-119.15	-99.5	18.3	481.3	461.9	19.37	24.851		
9,900.0	9,878.6	9,878.0	9,877.3	11.7	13.2	-119.15	-99.5	18.3	481.3	461.7	19.53	24.640		
10,000.0	9,978.6	9,978.0	9,977.3	11.8	13.3	-119.15	-99.5	18.3	481.3	461.6	19.70	24.432		
10,100.0	10,078.6	10,078.0	10,077.3	11.9	13.4	-119.15	-99.5	18.3	481.3	461.4	19.86	24.227		
10,200.0	10,178.6	10,178.0	10,177.3	12.0	13.6	-119.15	-99.5	18.3	481.3	461.2	20.03	24.026		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #114H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 11028-MWD+IFR1+FDIR <th colspan="2">Rule Assigned:</th> <th colspan="4">Offset Well Error:</th> <td>3.0 usft</td>					Rule Assigned:		Offset Well Error:				3.0 usft	
Reference	Offset	Reference	Offset	Semi Major Axis	Offset	Highside Toolface	Offset Wellbore Centre		Distance		Rule Assigned:		Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,300.0	10,278.6	10,278.0	10,277.3	12.1	13.7	119.15	-99.5	18.3	481.3	461.1	20.20	23.827		
10,400.0	10,378.6	10,378.0	10,377.3	12.3	13.8	119.15	-99.5	18.3	481.3	460.9	20.37	23.632		
10,500.0	10,478.6	10,478.0	10,477.3	12.4	13.9	119.15	-99.5	18.3	481.3	460.7	20.53	23.439		
10,600.0	10,578.6	10,578.0	10,577.3	12.5	14.1	119.15	-99.5	18.3	481.3	460.6	20.70	23.250		
10,700.0	10,678.6	10,678.0	10,677.3	12.6	14.2	119.15	-99.5	18.3	481.3	460.4	20.87	23.063		
10,800.0	10,778.6	10,778.0	10,777.3	12.7	14.3	119.15	-99.5	18.3	481.3	460.2	21.04	22.879		
10,900.0	10,878.6	10,878.0	10,877.3	12.8	14.5	119.15	-99.5	18.3	481.3	460.1	21.20	22.698		
11,000.0	10,978.6	10,978.0	10,977.3	13.0	14.6	119.15	-99.5	18.3	481.3	459.9	21.37	22.520		
11,100.0	11,078.6	11,078.0	11,077.3	13.1	14.7	119.15	-99.5	18.3	481.3	459.8	21.51	22.373		
11,200.0	11,178.6	11,178.0	11,177.3	13.2	14.7	119.15	-99.5	18.3	481.3	459.6	21.62	22.259		
11,210.6	11,189.2	11,188.6	11,187.9	13.2	14.7	119.15	-99.5	18.3	481.3	459.6	21.63	22.252		
11,275.9	11,254.5	11,250.0	11,249.3	13.2	14.7	119.16	-99.5	18.3	481.3	459.6	21.67	22.205		
11,300.0	11,278.6	11,267.5	11,266.7	13.3	14.7	119.54	-99.9	18.3	481.9	460.2	21.71	22.196		
11,325.0	11,303.5	11,283.9	11,283.2	13.3	14.7	119.60	-100.9	18.3	483.6	461.8	21.81	22.171		
11,350.0	11,328.3	11,300.0	11,299.1	13.3	14.7	119.67	-102.5	18.3	486.4	464.5	21.97	22.136		
11,375.0	11,352.9	11,315.7	11,314.7	13.3	14.7	119.75	-104.5	18.3	490.4	468.2	22.19	22.095		
11,400.0	11,377.2	11,330.6	11,329.4	13.4	14.7	119.81	-106.9	18.3	495.4	473.0	22.47	22.049		
11,425.0	11,401.2	11,344.8	11,343.3	13.4	14.7	119.81	-109.6	18.3	501.7	478.9	22.80	22.004		
11,450.0	11,424.8	11,358.1	11,356.3	13.4	14.7	119.73	-112.5	18.4	509.1	485.9	23.18	21.966		
11,475.0	11,447.9	11,375.0	11,372.7	13.5	14.7	119.82	-116.7	18.4	517.7	494.2	23.53	22.005		
11,500.0	11,470.5	11,381.9	11,379.3	13.5	14.7	119.19	-118.6	18.4	527.5	503.4	24.05	21.934		
11,525.0	11,492.5	11,392.3	11,389.3	13.5	14.8	118.68	-121.6	18.4	538.5	513.9	24.53	21.952		
11,550.0	11,513.8	11,400.0	11,396.6	13.6	14.8	117.83	-124.0	18.4	550.6	525.6	25.06	21.972		
11,575.0	11,534.4	11,410.1	11,406.2	13.6	14.8	117.03	-127.3	18.4	563.9	538.3	25.53	22.086		
11,600.0	11,554.3	11,417.5	11,413.1	13.6	14.8	115.84	-129.8	18.5	578.2	552.2	26.03	22.209		
11,625.0	11,573.3	11,425.0	11,420.1	13.7	14.8	114.47	-132.5	18.5	593.5	567.0	26.51	22.391		
11,650.0	11,591.5	11,425.0	11,420.1	13.7	14.8	112.10	-132.5	18.5	609.8	582.7	27.11	22.497		
11,675.0	11,608.7	11,434.2	11,428.6	13.7	14.8	110.47	-136.0	18.5	626.9	599.5	27.47	22.826		
11,700.0	11,625.0	11,438.0	11,432.1	13.8	14.8	108.00	-137.4	18.5	644.8	616.9	27.90	23.116		
11,725.0	11,640.2	11,441.0	11,434.9	13.8	14.8	105.17	-138.6	18.5	663.4	635.1	28.30	23.446		
11,750.0	11,654.4	11,443.3	11,437.0	13.8	14.8	101.96	-139.6	18.5	682.6	654.0	28.66	23.815		
11,775.0	11,667.5	11,450.0	11,443.1	13.9	14.8	99.06	-142.3	18.5	702.4	673.5	28.89	24.312		
11,800.0	11,679.5	11,450.0	11,443.1	13.9	14.8	95.01	-142.3	18.5	722.5	693.3	29.21	24.734		
11,825.0	11,690.3	11,450.0	11,443.1	13.9	14.8	90.72	-142.3	18.5	743.0	713.5	29.49	25.200		
11,850.0	11,699.9	11,450.0	11,443.1	14.0	14.8	86.24	-142.3	18.5	763.8	734.1	29.71	25.706		
11,875.0	11,708.3	11,450.0	11,443.1	14.0	14.8	81.64	-142.3	18.5	784.8	754.9	29.90	26.249		
11,900.0	11,715.5	11,450.0	11,443.1	14.0	14.8	77.00	-142.3	18.5	805.9	775.8	30.04	26.825		
11,925.0	11,721.3	11,442.0	11,435.9	14.0	14.8	71.43	-139.0	18.5	827.0	796.7	30.30	27.293		
11,950.0	11,725.9	11,439.9	11,433.8	14.0	14.8	66.76	-138.2	18.5	848.1	817.7	30.41	27.889		
11,975.0	11,729.3	11,437.3	11,431.5	14.1	14.8	62.27	-137.2	18.5	869.1	838.6	30.49	28.504		
12,000.0	11,731.3	11,434.3	11,428.7	14.1	14.8	58.02	-136.0	18.5	890.0	859.5	30.55	29.134		
12,025.9	11,732.0	11,425.0	11,420.1	14.1	14.8	53.44	-132.5	18.5	911.5	880.8	30.69	29.705		
12,100.0	11,732.0	11,425.0	11,420.1	14.1	14.8	53.44	-132.5	18.5	973.2	942.6	30.59	31.816		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #115H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11453-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	3.0	3.0	166.47	-139.9	33.6	143.9					
100.0	100.0	99.2	99.2	3.0	3.0	166.47	-139.9	33.6	143.9	137.9	6.00	23.973		
200.0	200.0	199.2	199.2	3.0	3.0	166.47	-139.9	33.6	143.9	137.8	6.01	23.935		
300.0	300.0	299.2	299.2	3.0	3.0	166.47	-139.9	33.6	143.9	137.8	6.03	23.854		
400.0	400.0	399.2	399.2	3.0	3.0	166.47	-139.9	33.6	143.9	137.8	6.06	23.731		
500.0	500.0	499.2	499.2	3.1	3.1	166.47	-139.9	33.6	143.9	137.7	6.10	23.567		
600.0	600.0	599.2	599.2	3.1	3.1	166.47	-139.9	33.6	143.9	137.7	6.16	23.365		
700.0	700.0	699.2	699.2	3.1	3.1	166.47	-139.9	33.6	143.9	137.6	6.22	23.128		
800.0	800.0	799.2	799.2	3.2	3.2	166.47	-139.9	33.6	143.9	137.6	6.29	22.860		
900.0	900.0	899.2	899.2	3.2	3.2	166.47	-139.9	33.6	143.9	137.5	6.38	22.563		
1,000.0	1,000.0	999.2	999.2	3.2	3.2	166.47	-139.9	33.6	143.9	137.4	6.47	22.242		
1,100.0	1,100.0	1,099.2	1,099.2	3.3	3.3	166.47	-139.9	33.6	143.9	137.3	6.57	21.901		
1,200.0	1,200.0	1,199.2	1,199.2	3.4	3.4	166.47	-139.9	33.6	143.9	137.2	6.68	21.542		
1,300.0	1,300.0	1,299.2	1,299.2	3.4	3.4	166.47	-139.9	33.6	143.9	137.1	6.80	21.170		
1,400.0	1,400.0	1,399.2	1,399.2	3.5	3.5	166.47	-139.9	33.6	143.9	136.9	6.92	20.788		
1,500.0	1,500.0	1,499.2	1,499.2	3.5	3.5	166.47	-139.9	33.6	143.9	136.8	7.05	20.397		
1,600.0	1,600.0	1,599.2	1,599.2	3.6	3.6	166.47	-139.9	33.6	143.9	136.7	7.19	20.003		
1,700.0	1,700.0	1,699.2	1,699.2	3.7	3.7	166.47	-139.9	33.6	143.9	136.5	7.34	19.606		
1,800.0	1,800.0	1,799.2	1,799.2	3.8	3.8	166.47	-139.9	33.6	143.9	136.4	7.49	19.208		
1,900.0	1,900.0	1,899.2	1,899.2	3.9	3.9	166.47	-139.9	33.6	143.9	136.2	7.65	18.813		
2,000.0	2,000.0	1,999.2	1,999.2	3.9	3.9	166.47	-139.9	33.6	143.9	136.0	7.81	18.421		
2,100.0	2,100.0	2,099.2	2,099.2	4.0	4.0	166.47	-139.9	33.6	143.9	135.9	7.98	18.033		
2,200.0	2,200.0	2,199.2	2,199.2	4.1	4.1	166.47	-139.9	33.6	143.9	135.7	8.15	17.651		
2,300.0	2,300.0	2,299.2	2,299.2	4.2	4.2	166.47	-139.9	33.6	143.9	135.5	8.33	17.276		
2,400.0	2,400.0	2,399.2	2,399.2	4.3	4.3	166.47	-139.9	33.6	143.9	135.3	8.51	16.908		
2,500.0	2,500.0	2,499.2	2,499.2	4.4	4.4	166.47	-139.9	33.6	143.9	135.2	8.69	16.548 CC, ES		
2,600.0	2,600.0	2,599.0	2,599.0	4.5	4.5	-123.33	-139.5	35.3	144.9	136.0	8.81	16.435 SF		
2,700.0	2,699.8	2,698.1	2,697.9	4.5	4.5	-126.94	-138.4	40.3	148.3	139.4	8.84	16.770		
2,800.0	2,799.5	2,795.9	2,795.3	4.6	4.6	-132.44	-136.6	48.6	155.2	146.4	8.81	17.619		
2,900.0	2,898.9	2,892.1	2,890.9	4.6	4.6	-138.94	-134.2	59.8	165.9	157.2	8.73	19.012		
3,000.0	2,998.4	2,989.2	2,987.0	4.7	4.7	-145.21	-131.3	73.0	179.3	170.7	8.63	20.786		
3,100.0	3,097.8	3,086.4	3,083.3	4.8	4.7	-150.59	-128.5	86.3	194.6	186.1	8.55	22.771		
3,200.0	3,197.3	3,183.7	3,179.6	4.8	4.8	-155.18	-125.6	99.5	211.4	202.9	8.50	24.887		
3,300.0	3,296.7	3,280.9	3,275.9	4.9	4.8	-159.09	-122.7	112.7	229.4	220.9	8.47	27.071		
3,400.0	3,396.2	3,378.1	3,372.2	5.0	4.9	-162.43	-119.9	125.9	248.2	239.7	8.48	29.275		
3,500.0	3,495.6	3,475.4	3,468.5	5.0	5.0	-165.30	-117.0	139.2	267.8	259.3	8.51	31.465		
3,600.0	3,595.1	3,572.6	3,564.7	5.1	5.0	-167.78	-114.1	152.4	287.9	279.3	8.56	33.616		
3,700.0	3,694.5	3,669.8	3,661.0	5.2	5.1	-169.93	-111.3	165.6	308.5	299.8	8.64	35.712		
3,800.0	3,794.0	3,767.1	3,757.3	5.3	5.2	-171.82	-108.4	178.8	329.4	320.7	8.73	37.742		
3,900.0	3,893.4	3,864.3	3,853.6	5.4	5.3	-173.48	-105.5	192.1	350.7	341.9	8.83	39.699		
4,000.0	3,992.9	3,961.5	3,949.9	5.4	5.3	-174.95	-102.7	205.3	372.2	363.2	8.95	41.580		
4,100.0	4,092.3	4,058.8	4,046.2	5.5	5.4	-176.27	-99.8	218.5	393.9	384.8	9.08	43.383		
4,200.0	4,191.8	4,156.0	4,142.5	5.6	5.5	-177.44	-96.9	231.7	415.8	406.6	9.22	45.107		
4,300.0	4,291.2	4,253.2	4,238.8	5.7	5.6	-178.50	-94.1	245.0	437.8	428.5	9.36	46.754		
4,400.0	4,390.7	4,350.5	4,335.1	5.8	5.7	-179.46	-91.2	258.2	460.0	450.5	9.52	48.325		
4,500.0	4,490.1	4,447.7	4,431.3	5.9	5.8	-179.67	-88.3	271.4	482.3	472.6	9.68	49.823		
4,600.0	4,589.6	4,544.9	4,527.6	6.0	5.9	-178.88	-85.5	284.6	504.7	494.8	9.85	51.250		
4,700.0	4,689.0	4,642.2	4,623.9	6.1	6.0	-178.16	-82.6	297.9	527.2	517.1	10.02	52.609		
4,800.0	4,788.5	4,739.4	4,720.2	6.2	6.0	-177.49	-79.7	311.1	549.7	539.5	10.20	53.903		
4,900.0	4,887.9	4,836.6	4,816.5	6.3	6.1	-176.88	-76.9	324.3	572.3	561.9	10.38	55.135		
5,000.0	4,987.4	4,933.9	4,912.8	6.4	6.2	-176.31	-74.0	337.5	595.0	584.4	10.57	56.307		
5,100.0	5,086.9	5,031.1	5,009.1	6.5	6.3	-175.78	-71.1	350.8	617.7	606.9	10.76	57.423		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #115H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11453-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,200.0	5,186.3	5,128.3	5,105.4	6.6	6.4	175.29	-68.3	364.0	640.4	629.5	10.95	58.486		
5,300.0	5,285.8	5,225.6	5,201.6	6.7	6.5	174.84	-65.4	377.2	663.2	652.1	11.15	59.497		
5,400.0	5,385.2	5,322.8	5,297.9	6.8	6.6	174.41	-62.5	390.4	686.1	674.7	11.35	60.461		
5,500.0	5,484.7	5,420.0	5,394.2	6.9	6.7	174.02	-59.7	403.7	709.0	697.4	11.55	61.378		
5,600.0	5,584.1	5,521.2	5,494.4	7.0	6.9	173.63	-56.7	417.3	731.8	720.0	11.75	62.253		
5,700.0	5,683.6	5,631.8	5,604.2	7.1	7.0	173.29	-53.8	430.7	753.3	741.4	11.96	62.990		
5,800.0	5,783.0	5,743.4	5,715.1	7.2	7.1	173.03	-51.3	442.1	773.2	761.0	12.17	63.540		
5,900.0	5,882.5	5,855.8	5,827.1	7.3	7.2	172.85	-49.3	451.5	791.3	778.9	12.38	63.911		
6,000.0	5,981.9	5,968.9	5,940.0	7.4	7.3	172.74	-47.7	458.7	807.6	795.0	12.60	64.114		
6,100.0	6,081.4	6,082.7	6,053.6	7.5	7.4	172.70	-46.6	463.8	822.1	809.3	12.81	64.157		
6,200.0	6,180.8	6,197.0	6,167.9	7.7	7.5	172.73	-46.0	466.6	834.8	821.8	13.04	64.039		
6,300.0	6,280.3	6,308.6	6,279.5	7.8	7.7	172.81	-45.9	467.3	845.8	832.5	13.22	63.968		
6,406.5	6,386.2	6,414.5	6,385.4	7.9	7.8	172.90	-45.9	467.3	856.8	843.4	13.38	64.013		
6,500.0	6,479.3	6,507.5	6,478.5	8.0	7.9	172.99	-45.9	467.3	865.8	852.2	13.53	63.991		
6,600.0	6,578.9	6,607.2	6,578.1	8.1	8.0	173.06	-45.9	467.3	873.7	860.0	13.68	63.842		
6,700.0	6,678.7	6,707.0	6,677.9	8.2	8.1	173.12	-45.9	467.3	879.8	866.0	13.84	63.568		
6,800.0	6,778.6	6,806.9	6,777.8	8.3	8.2	173.16	-45.9	467.3	884.3	870.3	14.00	63.172		
6,900.0	6,878.6	6,906.9	6,877.8	8.4	8.3	173.18	-45.9	467.3	887.0	872.8	14.16	62.659		
7,006.5	6,985.1	7,013.4	6,984.3	8.5	8.4	101.75	-45.9	467.3	888.0	873.7	14.29	62.124		
7,100.0	7,078.6	7,106.9	7,077.8	8.6	8.5	101.75	-45.9	467.3	888.0	873.6	14.39	61.717		
7,200.0	7,178.6	7,206.9	7,177.8	8.7	8.6	101.75	-45.9	467.3	888.0	873.5	14.49	61.285		
7,300.0	7,278.6	7,306.9	7,277.8	8.8	8.7	101.75	-45.9	467.3	888.0	873.4	14.59	60.856		
7,400.0	7,378.6	7,406.9	7,377.8	8.9	8.8	101.75	-45.9	467.3	888.0	873.3	14.69	60.429		
7,500.0	7,478.6	7,506.9	7,477.8	9.0	8.9	101.75	-45.9	467.3	888.0	873.2	14.80	60.005		
7,600.0	7,578.6	7,606.9	7,577.8	9.2	9.0	101.75	-45.9	467.3	888.0	873.1	14.90	59.584		
7,700.0	7,678.6	7,706.9	7,677.8	9.3	9.1	101.75	-45.9	467.3	888.0	873.0	15.01	59.166		
7,800.0	7,778.6	7,806.9	7,777.8	9.4	9.2	101.75	-45.9	467.3	888.0	872.8	15.11	58.752		
7,900.0	7,878.6	7,906.9	7,877.8	9.5	9.3	101.75	-45.9	467.3	888.0	872.7	15.22	58.340		
8,000.0	7,978.6	8,006.9	7,977.8	9.6	9.4	101.75	-45.9	467.3	888.0	872.6	15.33	57.931		
8,100.0	8,078.6	8,106.9	8,077.8	9.7	9.5	101.75	-45.9	467.3	888.0	872.5	15.44	57.526		
8,200.0	8,178.6	8,206.9	8,177.8	9.8	9.7	101.75	-45.9	467.3	888.0	872.4	15.54	57.124		
8,300.0	8,278.6	8,306.9	8,277.8	9.9	9.8	101.75	-45.9	467.3	888.0	872.3	15.65	56.726		
8,400.0	8,378.6	8,406.9	8,377.8	10.0	9.9	101.75	-45.9	467.3	888.0	872.2	15.76	56.330		
8,500.0	8,478.6	8,506.9	8,477.8	10.1	10.0	101.75	-45.9	467.3	888.0	872.1	15.87	55.938		
8,600.0	8,578.6	8,606.9	8,577.8	10.2	10.1	101.75	-45.9	467.3	888.0	872.0	15.99	55.549		
8,700.0	8,678.6	8,706.9	8,677.8	10.3	10.2	101.75	-45.9	467.3	888.0	871.9	16.10	55.164		
8,800.0	8,778.6	8,806.9	8,777.8	10.4	10.3	101.75	-45.9	467.3	888.0	871.8	16.21	54.782		
8,900.0	8,878.6	8,906.9	8,877.8	10.6	10.4	101.75	-45.9	467.3	888.0	871.6	16.32	54.403		
9,000.0	8,978.6	9,006.9	8,977.8	10.7	10.5	101.75	-45.9	467.3	888.0	871.5	16.44	54.028		
9,100.0	9,078.6	9,106.9	9,077.8	10.8	10.7	101.75	-45.9	467.3	888.0	871.4	16.55	53.656		
9,200.0	9,178.6	9,206.9	9,177.8	10.9	10.8	101.75	-45.9	467.3	888.0	871.3	16.66	53.288		
9,300.0	9,278.6	9,306.9	9,277.8	11.0	10.9	101.75	-45.9	467.3	888.0	871.2	16.78	52.923		
9,400.0	9,378.6	9,406.9	9,377.8	11.1	11.0	101.75	-45.9	467.3	888.0	871.1	16.89	52.561		
9,500.0	9,478.6	9,506.9	9,477.8	11.2	11.1	101.75	-45.9	467.3	888.0	871.0	17.01	52.203		
9,600.0	9,578.6	9,606.9	9,577.8	11.3	11.2	101.75	-45.9	467.3	888.0	870.8	17.13	51.848		
9,700.0	9,678.6	9,706.9	9,677.8	11.5	11.4	101.75	-45.9	467.3	888.0	870.7	17.24	51.496		
9,800.0	9,778.6	9,806.9	9,777.8	11.6	11.5	101.75	-45.9	467.3	888.0	870.6	17.36	51.148		
9,900.0	9,878.6	9,906.9	9,877.8	11.7	11.6	101.75	-45.9	467.3	888.0	870.5	17.48	50.803		
10,000.0	9,978.6	10,006.9	9,977.8	11.8	11.7	101.75	-45.9	467.3	888.0	870.4	17.60	50.462		
10,100.0	10,078.6	10,106.9	10,077.8	11.9	11.8	101.75	-45.9	467.3	888.0	870.2	17.72	50.124		
10,200.0	10,178.6	10,206.9	10,177.8	12.0	11.9	101.75	-45.9	467.3	888.0	870.1	17.83	49.789		
10,300.0	10,278.6	10,306.9	10,277.8	12.1	12.1	101.75	-45.9	467.3	888.0	870.0	17.95	49.457		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - ZIA HILLS 20 FED COM #115H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11453-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
10,400.0	10,378.6	10,406.9	10,377.8	12.3	12.2	101.75	-45.9	467.3	888.0	869.9	18.07	49.129	
10,500.0	10,478.6	10,506.9	10,477.8	12.4	12.3	101.75	-45.9	467.3	888.0	869.8	18.19	48.804	
10,600.0	10,578.6	10,606.9	10,577.8	12.5	12.4	101.75	-45.9	467.3	888.0	869.6	18.32	48.482	
10,700.0	10,678.6	10,706.9	10,677.8	12.6	12.5	101.75	-45.9	467.3	888.0	869.5	18.44	48.163	
10,800.0	10,778.6	10,806.9	10,777.8	12.7	12.6	101.75	-45.9	467.3	888.0	869.4	18.56	47.848	
10,900.0	10,878.6	10,906.9	10,877.8	12.8	12.8	101.75	-45.9	467.3	888.0	869.3	18.68	47.536	
11,000.0	10,978.6	11,006.9	10,977.8	13.0	12.9	101.75	-45.9	467.3	888.0	869.2	18.80	47.226	
11,100.0	11,078.6	11,106.9	11,077.8	13.1	13.0	101.75	-45.9	467.3	888.0	869.0	18.92	46.920	
11,200.0	11,178.6	11,206.9	11,177.8	13.2	13.1	101.75	-45.9	467.3	888.0	868.9	19.05	46.617	
11,275.9	11,254.5	11,282.8	11,253.7	13.2	13.2	101.75	-45.9	467.3	888.0	868.8	19.12	46.433	
11,300.0	11,278.6	11,306.9	11,277.8	13.3	13.2	102.14	-45.9	467.3	888.1	868.9	19.14	46.394	
11,325.0	11,303.5	11,331.8	11,302.7	13.3	13.3	102.21	-45.9	467.3	888.5	869.3	19.17	46.355	
11,350.0	11,328.3	11,356.6	11,327.5	13.3	13.3	102.33	-45.9	467.3	889.2	870.0	19.20	46.318	
11,375.0	11,352.9	11,381.2	11,352.1	13.3	13.3	102.50	-45.9	467.3	890.2	870.9	19.23	46.283	
11,400.0	11,377.2	11,405.5	11,376.4	13.4	13.4	102.70	-45.9	467.3	891.5	872.2	19.27	46.255	
11,425.0	11,401.2	11,429.5	11,400.4	13.4	13.4	102.93	-45.9	467.3	893.1	873.8	19.31	46.242	
11,450.0	11,424.8	11,453.0	11,424.0	13.4	13.4	103.19	-45.9	467.3	895.1	875.7	19.36	46.231	
11,475.0	11,447.9	11,470.0	11,440.9	13.5	13.4	103.32	-46.1	467.3	897.5	878.1	19.41	46.237	
11,500.0	11,470.5	11,485.8	11,456.7	13.5	13.4	103.44	-46.9	467.3	900.5	881.1	19.48	46.235	
11,525.0	11,492.5	11,500.0	11,470.8	13.5	13.4	103.49	-48.1	467.2	904.2	884.6	19.56	46.224	
11,550.0	11,513.8	11,514.3	11,485.1	13.6	13.4	103.53	-49.7	467.2	908.5	888.8	19.66	46.209	
11,575.0	11,534.4	11,525.0	11,495.7	13.6	13.4	103.38	-51.2	467.1	913.5	893.7	19.79	46.169	
11,600.0	11,554.3	11,538.1	11,508.5	13.6	13.4	103.29	-53.3	467.0	919.2	899.2	19.92	46.147	
11,625.0	11,573.3	11,550.0	11,520.3	13.7	13.4	103.10	-55.6	466.9	925.6	905.5	20.07	46.126	
11,650.0	11,591.5	11,557.1	11,527.2	13.7	13.4	102.59	-57.0	466.8	932.8	912.5	20.25	46.058	
11,675.0	11,608.7	11,564.9	11,534.8	13.7	13.4	102.03	-58.8	466.7	940.7	920.3	20.45	46.009	
11,700.0	11,625.0	11,575.0	11,544.6	13.8	13.4	101.51	-61.2	466.6	949.5	928.8	20.63	46.018	
11,725.0	11,640.2	11,575.0	11,544.6	13.8	13.4	100.31	-61.2	466.6	958.9	938.0	20.90	45.888	
11,750.0	11,654.4	11,581.9	11,551.3	13.8	13.4	99.41	-63.0	466.5	969.1	948.0	21.11	45.902	
11,775.0	11,667.5	11,585.7	11,554.9	13.9	13.4	98.22	-64.0	466.5	979.9	958.6	21.35	45.897	
11,800.0	11,679.5	11,588.6	11,557.7	13.9	13.4	96.86	-64.8	466.4	991.5	969.9	21.59	45.915	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - BUCK 20 FEDERAL #1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-GYRODATA-NS-GYRO-MS, 8329-MWD												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,700.0	8,678.6	11,814.2	9,242.4	10.3	51.2	92.33	103.6	369.8	965.9	910.6	55.23	17.489	
8,800.0	8,778.6	11,810.9	9,242.5	10.4	51.1	92.08	106.9	369.8	909.3	853.0	56.38	16.129	
8,900.0	8,878.6	11,807.6	9,242.6	10.6	51.1	91.84	110.2	369.9	860.8	803.3	57.42	14.991	
9,000.0	8,978.6	11,804.4	9,242.7	10.7	51.0	91.60	113.4	369.9	821.5	763.2	58.27	14.098	
9,100.0	9,078.6	11,801.2	9,242.8	10.8	51.0	91.36	116.6	370.0	793.0	734.1	58.88	13.468	
9,200.0	9,178.6	11,798.0	9,242.9	10.9	50.9	91.13	119.8	370.0	776.4	717.1	59.24	13.106	
9,280.5	9,259.1	11,795.5	9,243.0	11.0	50.9	90.94	122.3	370.1	772.2	712.8	59.37	13.007	CC, ES, SF
9,300.0	9,278.6	11,794.9	9,243.0	11.0	50.9	90.90	122.9	370.1	772.4	713.1	59.38	13.008	
9,400.0	9,378.6	11,791.8	9,243.1	11.1	50.8	90.67	126.0	370.1	781.4	722.0	59.33	13.170	
9,500.0	9,478.6	11,788.8	9,243.2	11.2	50.8	90.44	129.0	370.2	802.8	743.7	59.09	13.585	
9,600.0	9,578.6	11,785.8	9,243.3	11.3	50.7	90.22	132.0	370.2	835.6	777.0	58.67	14.243	
9,700.0	9,678.6	11,782.8	9,243.4	11.5	50.7	90.00	135.0	370.3	878.7	820.6	58.09	15.127	
9,800.0	9,778.6	11,779.8	9,243.5	11.6	50.6	89.78	138.0	370.3	930.5	873.1	57.41	16.208	
9,900.0	9,878.6	11,776.9	9,243.6	11.7	50.6	89.56	140.9	370.4	989.8	933.1	56.70	17.457	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - BUCK 20 FEDERAL #2H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-GYRODATA-NS-GYRO-MS, 8166-MWD, 9092-MWD												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,500.0	8,478.6	11,510.5	9,228.8	10.1	44.9	-91.52	118.2	-1,035.4	979.0	932.1	46.88	20.882	
8,600.0	8,578.6	11,504.5	9,229.1	10.2	44.8	-90.99	124.1	-1,035.2	905.1	857.1	47.97	18.868	
8,700.0	8,678.6	11,499.4	9,229.3	10.3	44.7	-90.52	129.2	-1,035.1	836.6	787.4	49.12	17.031	
8,800.0	8,778.6	11,494.9	9,229.5	10.4	44.7	-90.12	133.7	-1,034.9	774.9	724.6	50.27	15.415	
8,900.0	8,878.6	11,491.0	9,229.7	10.6	44.6	-89.76	137.7	-1,034.8	721.8	670.5	51.33	14.064	
9,000.0	8,978.6	11,487.5	9,229.8	10.7	44.5	-89.44	141.1	-1,034.8	679.4	627.2	52.17	13.023	
9,100.0	9,078.6	11,484.3	9,229.9	10.8	44.5	-89.16	144.3	-1,034.7	649.7	597.0	52.71	12.327	
9,200.0	9,178.6	11,481.5	9,230.0	10.9	44.5	-88.91	147.1	-1,034.6	634.5	581.6	52.92	11.990	
9,247.5	9,226.1	11,480.3	9,230.0	10.9	44.4	-88.79	148.3	-1,034.6	632.7	579.8	52.93	11.953	CC, ES, SF
9,300.0	9,278.6	11,479.0	9,230.1	11.0	44.4	-88.68	149.6	-1,034.6	634.9	582.0	52.91	12.000	
9,400.0	9,378.6	11,476.7	9,230.1	11.1	44.4	-88.47	151.9	-1,034.5	650.8	598.1	52.76	12.335	
9,500.0	9,478.6	11,474.6	9,230.2	11.2	44.3	-88.28	154.0	-1,034.5	681.2	628.7	52.48	12.980	
9,600.0	9,578.6	11,472.7	9,230.3	11.3	44.3	-88.11	155.9	-1,034.5	724.2	672.2	52.06	13.911	
9,700.0	9,678.6	11,470.9	9,230.3	11.5	44.3	-87.95	157.7	-1,034.4	777.8	726.2	51.54	15.091	
9,800.0	9,778.6	11,469.3	9,230.3	11.6	44.3	-87.80	159.3	-1,034.4	839.9	788.9	50.98	16.475	
9,900.0	9,878.6	11,467.8	9,230.4	11.7	44.2	-87.66	160.8	-1,034.4	908.7	858.3	50.44	18.015	
10,000.0	9,978.6	11,466.4	9,230.4	11.8	44.2	-87.54	162.2	-1,034.3	983.0	933.0	49.97	19.673	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - BUCK 20 FEDERAL #5H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100-GYRODATA-NS-GYRO-MS, 7936-MWD													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		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)	Separation (usft)	Factor		
7,900.0	7,878.6	10,551.2	8,828.9	9.5	38.1	80.59	157.5	-266.4	961.3	924.2	37.04	25.953		
8,000.0	7,978.6	10,554.2	8,829.0	9.6	38.1	81.84	154.4	-266.5	862.4	825.0	37.39	23.063		
8,100.0	8,078.6	10,557.1	8,829.0	9.7	38.1	83.04	151.5	-266.5	763.8	726.0	37.78	20.217		
8,200.0	8,178.6	10,559.9	8,829.1	9.8	38.2	84.20	148.8	-266.5	665.7	627.4	38.22	17.417		
8,300.0	8,278.6	10,562.6	8,829.2	9.9	38.2	85.32	146.1	-266.6	568.1	529.4	38.73	14.668		
8,400.0	8,378.6	10,565.1	8,829.2	10.0	38.3	86.39	143.5	-266.6	471.6	432.3	39.39	11.975		
8,500.0	8,478.6	10,567.6	8,829.3	10.1	38.3	87.43	141.1	-266.6	377.0	336.7	40.29	9.357		
8,600.0	8,578.6	10,570.0	8,829.3	10.2	38.3	88.43	138.7	-266.7	285.9	244.2	41.68	6.859		
8,700.0	8,678.6	10,572.2	8,829.4	10.3	38.4	89.39	136.4	-266.7	203.4	159.4	43.96	4.627		
8,800.0	8,778.6	10,574.4	8,829.4	10.4	38.4	90.31	134.3	-266.7	144.9	98.5	46.43	3.121		
8,851.9	8,830.5	10,575.5	8,829.5	10.5	38.4	90.78	133.2	-266.8	135.3	88.6	46.69	2.897 CC, ES, SF		
8,900.0	8,878.6	10,576.0	8,829.5	10.6	38.4	90.99	132.7	-266.8	143.5	97.2	46.34	3.097		
9,000.0	8,978.6	10,578.6	8,829.5	10.7	38.5	92.07	130.1	-266.8	200.5	156.6	43.91	4.567		
9,100.0	9,078.6	10,580.7	8,829.6	10.8	38.5	92.96	128.0	-266.8	282.5	240.3	42.14	6.704		
9,200.0	9,178.6	10,582.8	8,829.6	10.9	38.5	93.88	125.8	-266.8	373.3	331.9	41.43	9.012		
9,300.0	9,278.6	10,585.1	8,829.7	11.0	38.6	94.82	123.6	-266.9	467.9	426.7	41.22	11.351		
9,400.0	9,378.6	10,587.4	8,829.7	11.1	38.6	95.79	121.3	-266.9	564.4	523.1	41.26	13.680		
9,500.0	9,478.6	10,589.7	8,829.8	11.2	38.6	96.78	118.9	-266.9	661.9	620.5	41.41	15.984		
9,600.0	9,578.6	10,592.2	8,829.8	11.3	38.7	97.80	116.5	-266.9	760.0	718.4	41.62	18.260		
9,700.0	9,678.6	10,594.7	8,829.9	11.5	38.7	98.85	114.0	-267.0	858.6	816.7	41.87	20.504		
9,800.0	9,778.6	10,597.3	8,829.9	11.6	38.7	99.93	111.4	-267.0	957.4	915.3	42.15	22.715		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS 20 FEDERAL COM #105H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program: 62-GYRO-NS, 1310-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
6,000.0	5,981.9	5,999.8	5,999.2	7.4	18.1	-16.62	146.7	-1,325.1	993.8	969.4	24.37	40.774
6,100.0	6,081.4	6,096.9	6,096.3	7.5	18.4	-16.78	146.9	-1,324.7	983.4	958.5	24.81	39.639
6,200.0	6,180.8	6,195.5	6,195.0	7.7	18.7	-16.95	147.1	-1,324.5	973.1	947.9	25.25	38.540
6,300.0	6,280.3	6,293.9	6,293.3	7.8	19.1	-17.12	147.1	-1,324.3	963.0	937.3	25.69	37.482
6,406.5	6,386.2	6,399.3	6,398.7	7.9	19.4	-17.32	147.1	-1,324.3	952.3	926.2	26.15	36.416
6,500.0	6,479.3	6,490.2	6,489.7	8.0	19.7	-17.46	147.1	-1,324.4	943.8	917.2	26.55	35.552
6,600.0	6,578.9	6,590.3	6,589.7	8.1	20.0	-17.59	147.0	-1,324.6	936.4	909.4	26.99	34.696
6,700.0	6,678.7	6,688.2	6,687.6	8.2	20.4	-17.70	146.7	-1,324.8	930.7	903.3	27.42	33.938
6,800.0	6,778.6	6,784.3	6,783.7	8.3	20.7	-17.79	146.3	-1,325.4	927.0	899.1	27.85	33.283
6,900.0	6,878.6	6,878.9	6,878.3	8.4	21.0	-17.88	145.8	-1,326.4	925.5	897.2	28.27	32.733
6,921.3	6,899.9	6,899.7	6,899.1	8.5	21.1	-17.89	145.6	-1,326.7	925.4	897.1	28.36	32.632 CC, ES
7,006.5	6,985.1	6,983.2	6,982.6	8.5	21.4	-89.39	144.9	-1,328.0	926.1	897.4	28.71	32.262
7,100.0	7,078.6	7,076.4	7,075.8	8.6	21.7	-89.45	144.0	-1,329.5	927.7	898.6	29.06	31.918
7,200.0	7,178.6	7,177.8	7,177.2	8.7	22.0	-89.51	142.9	-1,331.1	929.2	899.7	29.45	31.548
7,300.0	7,278.6	7,278.1	7,277.5	8.8	22.4	-89.60	141.5	-1,332.5	930.6	900.8	29.84	31.187
7,400.0	7,378.6	7,374.4	7,373.7	8.9	22.7	-89.70	139.9	-1,334.0	932.2	902.0	30.21	30.859
7,500.0	7,478.6	7,466.5	7,465.8	9.0	23.0	-89.79	138.4	-1,336.1	934.4	903.9	30.56	30.576
7,600.0	7,578.6	7,554.0	7,553.3	9.2	23.3	-89.85	137.5	-1,338.9	937.7	906.8	30.89	30.351
7,700.0	7,678.6	7,637.0	7,636.2	9.3	23.6	-89.84	137.6	-1,343.1	942.7	911.5	31.22	30.198
7,800.0	7,778.6	7,736.4	7,735.4	9.4	23.9	-89.75	139.1	-1,348.9	948.5	916.9	31.61	30.007
7,900.0	7,878.6	7,834.6	7,833.4	9.5	24.3	-89.62	141.4	-1,354.7	954.4	922.4	31.99	29.834
8,000.0	7,978.6	7,931.3	7,929.9	9.6	24.6	-89.48	143.7	-1,360.7	960.6	928.3	32.37	29.679
8,100.0	8,078.6	8,030.5	8,028.8	9.7	24.9	-89.34	146.1	-1,367.0	967.0	934.3	32.76	29.522
8,200.0	8,178.6	8,128.4	8,126.5	9.8	25.3	-89.21	148.4	-1,373.3	973.5	940.4	33.14	29.374
8,300.0	8,278.6	8,225.4	8,223.2	9.9	25.6	-89.09	150.5	-1,379.9	980.3	946.8	33.52	29.244
8,400.0	8,378.6	8,322.0	8,319.6	10.0	25.9	-88.97	152.7	-1,386.5	987.3	953.4	33.90	29.119
8,500.0	8,478.6	8,413.6	8,410.8	10.1	26.2	-88.83	155.3	-1,393.5	994.9	960.7	34.27	29.035 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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP														Offset Site Error:	0.0 usft
Survey Program: 92- VES GyroFlex, 1311-MWD+IFR1+MS				Reference				Offset		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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,500.0	5,484.7	5,532.8	5,530.1	6.9	16.2	-12.10	208.8	-1,271.5	996.2	974.0	22.18	44.908			
5,600.0	5,584.1	5,630.2	5,627.1	7.0	16.6	-11.72	216.9	-1,267.4	982.8	960.1	22.64	43.400			
5,700.0	5,683.6	5,727.6	5,724.2	7.1	16.9	-11.39	224.1	-1,263.6	969.5	946.4	23.12	41.939			
5,800.0	5,783.0	5,814.7	5,811.1	7.2	17.3	-11.23	228.3	-1,261.0	957.0	933.4	23.55	40.629			
5,900.0	5,882.5	5,908.9	5,905.3	7.3	17.6	-11.19	230.6	-1,259.5	945.5	921.5	24.02	39.363			
6,000.0	5,981.9	6,007.9	6,004.3	7.4	18.0	-11.28	231.1	-1,258.4	934.2	909.7	24.49	38.152			
6,100.0	6,081.4	6,107.2	6,103.6	7.5	18.3	-11.39	231.2	-1,257.3	922.9	897.9	24.93	37.016			
6,200.0	6,180.8	6,205.2	6,201.6	7.7	18.7	-11.51	231.3	-1,256.3	911.6	886.3	25.37	35.931			
6,300.0	6,280.3	6,304.0	6,300.3	7.8	19.0	-11.63	231.3	-1,255.5	900.5	874.7	25.81	34.886			
6,406.5	6,386.2	6,409.9	6,406.2	7.9	19.3	-11.77	231.2	-1,254.6	888.7	862.5	26.29	33.810			
6,500.0	6,479.3	6,502.3	6,498.7	8.0	19.7	-11.87	231.1	-1,253.8	879.2	852.5	26.70	32.928			
6,600.0	6,578.9	6,602.3	6,598.6	8.1	20.0	-11.96	231.0	-1,253.0	870.6	843.4	27.15	32.069			
6,700.0	6,678.7	6,700.9	6,697.3	8.2	20.3	-12.04	230.9	-1,252.3	863.7	836.1	27.59	31.306			
6,800.0	6,778.6	6,799.3	6,795.7	8.3	20.6	-12.09	230.8	-1,251.7	858.7	830.7	28.03	30.634			
6,900.0	6,878.6	6,896.7	6,893.1	8.4	21.0	-12.13	230.6	-1,251.4	855.7	827.2	28.47	30.060			
7,006.5	6,985.1	7,002.7	6,999.0	8.5	21.3	-83.59	230.4	-1,251.2	854.5	825.6	28.90	29.566			
7,100.0	7,078.6	7,095.5	7,091.9	8.6	21.6	-83.62	230.0	-1,251.1	854.4	825.1	29.26	29.204			
7,161.3	7,139.9	7,156.1	7,152.4	8.7	21.8	-83.63	229.7	-1,251.1	854.4	824.9	29.49	28.973			
7,200.0	7,178.6	7,194.6	7,190.9	8.7	22.0	-83.64	229.6	-1,251.1	854.4	824.7	29.64	28.828			
7,300.0	7,278.6	7,294.4	7,290.7	8.8	22.3	-83.68	229.0	-1,251.2	854.4	824.4	30.02	28.458			
7,400.0	7,378.6	7,392.9	7,389.3	8.9	22.6	-83.73	228.3	-1,251.4	854.5	824.1	30.40	28.104			
7,500.0	7,478.6	7,491.5	7,487.8	9.0	23.0	-83.78	227.7	-1,251.8	854.8	824.0	30.79	27.764			
7,600.0	7,578.6	7,589.8	7,586.1	9.2	23.3	-83.82	227.0	-1,252.3	855.3	824.1	31.17	27.435			
7,700.0	7,678.6	7,688.7	7,685.0	9.3	23.6	-83.87	226.4	-1,253.0	856.0	824.4	31.56	27.119			
7,800.0	7,778.6	7,788.4	7,784.8	9.4	24.0	-83.92	225.8	-1,253.8	856.7	824.7	31.96	26.808			
7,900.0	7,878.6	7,888.3	7,884.6	9.5	24.3	-83.97	225.1	-1,254.7	857.4	825.1	32.35	26.505			
8,000.0	7,978.6	7,987.5	7,983.8	9.6	24.7	-84.01	224.5	-1,255.5	858.2	825.5	32.74	26.211			
8,100.0	8,078.6	8,087.0	8,083.3	9.7	25.0	-84.06	223.8	-1,256.5	859.1	826.0	33.14	25.927			
8,200.0	8,178.6	8,186.4	8,182.7	9.8	25.3	-84.11	223.2	-1,257.5	860.0	826.5	33.53	25.650			
8,300.0	8,278.6	8,285.8	8,282.1	9.9	25.7	-84.17	222.5	-1,258.6	861.1	827.1	33.92	25.382			
8,400.0	8,378.6	8,385.0	8,381.3	10.0	26.0	-84.23	221.7	-1,259.7	862.2	827.8	34.32	25.124			
8,500.0	8,478.6	8,484.9	8,481.2	10.1	26.4	-84.29	220.9	-1,261.0	863.3	828.6	34.71	24.870			
8,600.0	8,578.6	8,585.2	8,581.4	10.2	26.7	-84.36	220.0	-1,262.2	864.4	829.3	35.11	24.620			
8,700.0	8,678.6	8,684.4	8,680.6	10.3	27.1	-84.42	219.2	-1,263.3	865.5	830.0	35.51	24.375			
8,800.0	8,778.6	8,774.4	8,770.7	10.4	27.4	-84.48	218.4	-1,265.1	867.4	831.5	35.86	24.188			
8,900.0	8,878.6	8,874.9	8,871.1	10.6	27.7	-84.59	217.0	-1,267.6	869.7	833.4	36.26	23.988			
9,000.0	8,978.6	8,973.9	8,970.0	10.7	28.1	-84.61	216.9	-1,269.8	871.9	835.3	36.65	23.793			
9,100.0	9,078.6	9,065.5	9,061.6	10.8	28.4	-84.47	219.3	-1,272.3	874.8	837.8	37.01	23.638			
9,200.0	9,178.6	9,160.1	9,156.0	10.9	28.7	-84.32	221.9	-1,275.6	878.6	841.2	37.39	23.499			
9,300.0	9,278.6	9,262.3	9,258.2	11.0	29.0	-84.22	223.8	-1,279.5	882.6	844.8	37.80	23.349			
9,400.0	9,378.6	9,388.4	9,384.2	11.1	29.5	-84.10	226.0	-1,282.6	885.3	847.0	38.33	23.096			
9,500.0	9,478.6	9,525.5	9,521.2	11.2	30.1	-83.75	231.2	-1,279.9	883.7	844.6	39.04	22.633			
9,600.0	9,578.6	9,624.5	9,620.0	11.3	30.4	-83.40	236.2	-1,275.9	880.2	840.7	39.50	22.284			
9,700.0	9,678.6	9,719.0	9,714.3	11.5	30.8	-83.07	240.8	-1,272.6	877.4	837.5	39.90	21.989			
9,800.0	9,778.6	9,819.0	9,814.2	11.6	31.1	-82.78	244.9	-1,269.4	874.6	834.3	40.32	21.690			
9,900.0	9,878.6	9,914.0	9,909.0	11.7	31.4	-82.54	248.2	-1,266.7	872.3	831.5	40.72	21.420			
10,000.0	9,978.6	10,014.8	10,009.8	11.8	31.8	-82.32	251.3	-1,264.4	870.4	829.3	41.15	21.154			
10,100.0	10,078.6	10,133.4	10,128.3	11.9	32.2	-82.33	250.6	-1,260.8	867.3	825.7	41.64	20.829			
10,200.0	10,178.6	10,224.3	10,219.1	12.0	32.5	-82.59	246.2	-1,257.4	863.1	821.1	41.98	20.561			
10,300.0	10,278.6	10,314.6	10,309.3	12.1	32.8	-82.86	241.9	-1,255.8	860.7	818.4	42.31	20.342			
10,400.0	10,378.6	10,410.9	10,405.5	12.3	33.2	-83.15	237.4	-1,254.5	858.7	816.1	42.67	20.125			
10,500.0	10,478.6	10,506.8	10,501.3	12.4	33.5	-83.40	233.5	-1,253.6	857.3	814.3	43.03	19.923			

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS 20 FEDERAL COM #106H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program:		92- VES GyroFlex, 1311-MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,600.0	10,578.6	10,601.5	10,595.9	12.5	33.8	-83.63	230.1	-1,253.1	856.4	813.0	43.39	19.738		
10,700.0	10,678.6	10,698.4	10,692.7	12.6	34.2	-83.83	227.1	-1,253.1	856.1	812.3	43.76	19.563		
10,776.1	10,754.7	10,772.9	10,767.2	12.7	34.4	-83.97	224.9	-1,253.3	856.0	812.0	44.05	19.433		
10,800.0	10,778.6	10,796.1	10,790.5	12.7	34.5	-84.01	224.4	-1,253.3	856.0	811.9	44.14	19.394		
10,900.0	10,878.6	10,897.4	10,891.7	12.8	34.8	-84.15	222.3	-1,253.6	856.1	811.6	44.54	19.221		
11,000.0	10,978.6	10,999.9	10,994.2	13.0	35.2	-84.23	221.1	-1,253.5	855.9	810.9	44.95	19.042		
11,100.0	11,078.6	11,100.4	11,094.7	13.1	35.5	-84.24	220.8	-1,253.1	855.5	810.1	45.35	18.864		
11,200.0	11,178.6	11,198.6	11,192.9	13.2	35.9	-84.27	220.4	-1,252.9	855.1	809.4	45.74	18.696		
11,275.9	11,254.5	11,274.3	11,268.6	13.2	36.1	-84.30	220.0	-1,252.7	855.0	809.0	46.02	18.578		
11,300.0	11,278.6	11,298.4	11,292.6	13.3	36.2	-84.00	219.8	-1,252.7	854.9	808.8	46.10	18.543		
11,325.0	11,303.5	11,323.3	11,317.5	13.3	36.3	-84.17	219.6	-1,252.7	854.6	808.4	46.18	18.506		
11,350.0	11,328.3	11,348.0	11,342.3	13.3	36.4	-84.44	219.4	-1,252.7	854.3	808.0	46.26	18.469		
11,375.0	11,352.9	11,372.6	11,366.9	13.3	36.5	-84.80	219.2	-1,252.6	853.8	807.5	46.32	18.432		
11,400.0	11,377.2	11,396.8	11,391.1	13.4	36.6	-85.26	218.9	-1,252.6	853.2	806.8	46.38	18.395		
11,425.0	11,401.2	11,420.7	11,415.0	13.4	36.6	-85.80	218.7	-1,252.6	852.6	806.2	46.44	18.361		
11,450.0	11,424.8	11,444.1	11,438.4	13.4	36.7	-86.41	218.5	-1,252.6	852.0	805.5	46.49	18.328		
11,475.0	11,447.9	11,467.1	11,461.3	13.5	36.8	-87.09	218.2	-1,252.6	851.4	804.8	46.53	18.298		
11,500.0	11,470.5	11,489.4	11,483.7	13.5	36.9	-87.81	218.0	-1,252.6	850.8	804.2	46.57	18.271		
11,525.0	11,492.5	11,511.2	11,505.5	13.5	37.0	-88.58	217.7	-1,252.6	850.4	803.8	46.60	18.249		
11,550.0	11,513.8	11,532.3	11,526.6	13.6	37.0	-89.37	217.5	-1,252.5	850.1	803.5	46.63	18.232		
11,570.0	11,530.4	11,548.7	11,542.9	13.6	37.1	-90.01	217.3	-1,252.5	850.0	803.4	46.65	18.222 CC, ES		
11,575.0	11,534.4	11,552.7	11,546.9	13.6	37.1	-90.17	217.2	-1,252.5	850.0	803.4	46.65	18.221		
11,600.0	11,554.3	11,572.3	11,566.5	13.6	37.2	-90.96	217.0	-1,252.5	850.2	803.5	46.67	18.216 SF		
11,625.0	11,573.3	11,591.1	11,585.4	13.7	37.2	-91.73	216.7	-1,252.5	850.7	804.0	46.69	18.220		
11,650.0	11,591.5	11,609.1	11,603.4	13.7	37.3	-92.47	216.5	-1,252.5	851.6	804.9	46.71	18.231		
11,675.0	11,608.7	11,626.2	11,620.5	13.7	37.4	-93.15	216.3	-1,252.5	852.9	806.2	46.73	18.252		
11,700.0	11,625.0	11,642.3	11,636.5	13.8	37.4	-93.76	216.0	-1,252.5	854.7	808.0	46.75	18.283		
11,725.0	11,640.2	11,657.3	11,651.5	13.8	37.5	-94.29	215.8	-1,252.5	857.1	810.3	46.77	18.324		
11,750.0	11,654.4	11,671.2	11,665.5	13.8	37.5	-94.72	215.6	-1,252.5	860.0	813.2	46.80	18.376		
11,775.0	11,667.5	11,683.9	11,678.2	13.9	37.6	-95.02	215.4	-1,252.5	863.5	816.7	46.83	18.439		
11,800.0	11,679.5	11,695.5	11,689.8	13.9	37.6	-95.20	215.3	-1,252.5	867.6	820.8	46.86	18.515		
11,825.0	11,690.3	11,705.9	11,700.2	13.9	37.6	-95.24	215.1	-1,252.5	872.5	825.6	46.90	18.602		
11,850.0	11,699.9	11,715.1	11,709.4	14.0	37.7	-95.14	215.0	-1,252.5	878.0	831.1	46.95	18.702		
11,875.0	11,708.3	11,723.1	11,717.4	14.0	37.7	-94.88	214.9	-1,252.5	884.2	837.2	47.00	18.814		
11,900.0	11,715.5	11,729.9	11,724.1	14.0	37.7	-94.45	214.8	-1,252.5	891.2	844.1	47.06	18.938		
11,925.0	11,721.3	11,735.4	11,729.6	14.0	37.7	-93.85	214.7	-1,252.5	898.8	851.7	47.12	19.075		
11,950.0	11,725.9	11,739.6	11,733.8	14.0	37.8	-93.07	214.6	-1,252.5	907.1	859.9	47.18	19.225		
11,975.0	11,729.3	11,742.5	11,736.7	14.1	37.8	-92.11	214.6	-1,252.5	916.1	868.8	47.25	19.386		
12,000.0	11,731.3	11,744.1	11,738.3	14.1	37.8	-90.98	214.6	-1,252.5	925.7	878.3	47.33	19.559		
12,025.9	11,732.0	11,744.4	11,738.7	14.1	37.8	-89.61	214.6	-1,252.5	936.2	888.8	47.40	19.750		
12,100.0	11,732.0	11,743.3	11,737.6	14.1	37.8	-89.53	214.6	-1,252.5	969.6	922.0	47.65	20.348		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS 20 FEDERAL COM #106H - ST01 - ST01														Offset Site Error:	0.0 usft
Survey Program: 92- VES GyroFlex, 1311-MWD+IFR1+MS, 11259-MWD+IFR1+MS														Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,500.0	5,484.7	5,532.8	5,530.1	6.9	16.2	-12.10		208.8	-1,271.5	996.2	974.0	22.18	44.908		
5,600.0	5,584.1	5,630.2	5,627.1	7.0	16.6	-11.72		216.9	-1,267.4	982.8	960.1	22.64	43.400		
5,700.0	5,683.6	5,727.6	5,724.2	7.1	16.9	-11.39		224.1	-1,263.6	969.5	946.4	23.12	41.939		
5,800.0	5,783.0	5,814.7	5,811.1	7.2	17.3	-11.23		228.3	-1,261.0	957.0	933.4	23.55	40.629		
5,900.0	5,882.5	5,908.9	5,905.3	7.3	17.6	-11.19		230.6	-1,259.5	945.5	921.5	24.02	39.363		
6,000.0	5,981.9	6,007.9	6,004.3	7.4	18.0	-11.28		231.1	-1,258.4	934.2	909.7	24.49	38.152		
6,100.0	6,081.4	6,107.2	6,103.6	7.5	18.3	-11.39		231.2	-1,257.3	922.9	897.9	24.93	37.016		
6,200.0	6,180.8	6,205.2	6,201.6	7.7	18.7	-11.51		231.3	-1,256.3	911.6	886.3	25.37	35.931		
6,300.0	6,280.3	6,304.0	6,300.3	7.8	19.0	-11.63		231.3	-1,255.5	900.5	874.7	25.81	34.886		
6,406.5	6,386.2	6,409.9	6,406.2	7.9	19.3	-11.77		231.2	-1,254.6	888.7	862.5	26.29	33.810		
6,500.0	6,479.3	6,502.3	6,498.7	8.0	19.7	-11.87		231.1	-1,253.8	879.2	852.5	26.70	32.928		
6,600.0	6,578.9	6,602.3	6,598.6	8.1	20.0	-11.96		231.0	-1,253.0	870.6	843.4	27.15	32.069		
6,700.0	6,678.7	6,700.9	6,697.3	8.2	20.3	-12.04		230.9	-1,252.3	863.7	836.1	27.59	31.306		
6,800.0	6,778.6	6,799.3	6,795.7	8.3	20.6	-12.09		230.8	-1,251.7	858.7	830.7	28.03	30.634		
6,900.0	6,878.6	6,896.7	6,893.1	8.4	21.0	-12.13		230.6	-1,251.4	855.7	827.2	28.47	30.060		
7,006.5	6,985.1	7,002.7	6,999.0	8.5	21.3	-83.59		230.4	-1,251.2	854.5	825.6	28.90	29.566		
7,100.0	7,078.6	7,095.5	7,091.9	8.6	21.6	-83.62		230.0	-1,251.1	854.4	825.1	29.26	29.204		
7,161.3	7,139.9	7,156.1	7,152.4	8.7	21.8	-83.63		229.7	-1,251.1	854.4	824.9	29.49	28.973		
7,200.0	7,178.6	7,194.6	7,190.9	8.7	22.0	-83.64		229.6	-1,251.1	854.4	824.7	29.64	28.828		
7,300.0	7,278.6	7,294.4	7,290.7	8.8	22.3	-83.68		229.0	-1,251.2	854.4	824.4	30.02	28.458		
7,400.0	7,378.6	7,392.9	7,389.3	8.9	22.6	-83.73		228.3	-1,251.4	854.5	824.1	30.40	28.104		
7,500.0	7,478.6	7,491.5	7,487.8	9.0	23.0	-83.78		227.7	-1,251.8	854.8	824.0	30.79	27.764		
7,600.0	7,578.6	7,589.8	7,586.1	9.2	23.3	-83.82		227.0	-1,252.3	855.3	824.1	31.17	27.435		
7,700.0	7,678.6	7,688.7	7,685.0	9.3	23.6	-83.87		226.4	-1,253.0	856.0	824.4	31.56	27.119		
7,800.0	7,778.6	7,788.4	7,784.8	9.4	24.0	-83.92		225.8	-1,253.8	856.7	824.7	31.96	26.808		
7,900.0	7,878.6	7,888.3	7,884.6	9.5	24.3	-83.97		225.1	-1,254.7	857.4	825.1	32.35	26.505		
8,000.0	7,978.6	7,987.5	7,983.8	9.6	24.7	-84.01		224.5	-1,255.5	858.2	825.5	32.74	26.211		
8,100.0	8,078.6	8,087.0	8,083.3	9.7	25.0	-84.06		223.8	-1,256.5	859.1	826.0	33.14	25.927		
8,200.0	8,178.6	8,186.4	8,182.7	9.8	25.3	-84.11		223.2	-1,257.5	860.0	826.5	33.53	25.650		
8,300.0	8,278.6	8,285.8	8,282.1	9.9	25.7	-84.17		222.5	-1,258.6	861.1	827.1	33.92	25.382		
8,400.0	8,378.6	8,385.0	8,381.3	10.0	26.0	-84.23		221.7	-1,259.7	862.2	827.8	34.32	25.124		
8,500.0	8,478.6	8,484.9	8,481.2	10.1	26.4	-84.29		220.9	-1,261.0	863.3	828.6	34.71	24.870		
8,600.0	8,578.6	8,585.2	8,581.4	10.2	26.7	-84.36		220.0	-1,262.2	864.4	829.3	35.11	24.620		
8,700.0	8,678.6	8,684.4	8,680.6	10.3	27.1	-84.42		219.2	-1,263.3	865.5	830.0	35.51	24.375		
8,800.0	8,778.6	8,774.4	8,770.7	10.4	27.4	-84.48		218.4	-1,265.1	867.4	831.5	35.86	24.188		
8,900.0	8,878.6	8,874.9	8,871.1	10.6	27.7	-84.59		217.0	-1,267.6	869.7	833.4	36.26	23.988		
9,000.0	8,978.6	8,973.9	8,970.0	10.7	28.1	-84.61		216.9	-1,269.8	871.9	835.3	36.65	23.793		
9,100.0	9,078.6	9,065.5	9,061.6	10.8	28.4	-84.47		219.3	-1,272.3	874.8	837.8	37.01	23.638		
9,200.0	9,178.6	9,160.1	9,156.0	10.9	28.7	-84.32		221.9	-1,275.6	878.6	841.2	37.39	23.499		
9,300.0	9,278.6	9,262.3	9,258.2	11.0	29.0	-84.22		223.8	-1,279.5	882.6	844.8	37.80	23.349		
9,400.0	9,378.6	9,388.4	9,384.2	11.1	29.5	-84.10		226.0	-1,282.6	885.3	847.0	38.33	23.096		
9,500.0	9,478.6	9,525.5	9,521.2	11.2	30.1	-83.75		231.2	-1,279.9	883.7	844.6	39.04	22.633		
9,600.0	9,578.6	9,624.5	9,620.0	11.3	30.4	-83.40		236.2	-1,275.9	880.2	840.7	39.50	22.284		
9,700.0	9,678.6	9,719.0	9,714.3	11.5	30.8	-83.07		240.8	-1,272.6	877.4	837.5	39.90	21.989		
9,800.0	9,778.6	9,819.0	9,814.2	11.6	31.1	-82.78		244.9	-1,269.4	874.6	834.3	40.32	21.690		
9,900.0	9,878.6	9,914.0	9,909.0	11.7	31.4	-82.54		248.2	-1,266.7	872.3	831.5	40.72	21.420		
10,000.0	9,978.6	10,014.8	10,009.8	11.8	31.8	-82.32		251.3	-1,264.4	870.4	829.3	41.15	21.154		
10,100.0	10,078.6	10,133.4	10,128.3	11.9	32.2	-82.33		250.6	-1,260.8	867.3	825.7	41.64	20.829		
10,200.0	10,178.6	10,224.3	10,219.1	12.0	32.5	-82.59		246.2	-1,257.4	863.1	821.1	41.98	20.561		
10,300.0	10,278.6	10,314.6	10,309.3	12.1	32.8	-82.86		241.9	-1,255.8	860.7	818.4	42.31	20.342		
10,400.0	10,378.6	10,410.9	10,405.5	12.3	33.2	-83.15		237.4	-1,254.5	858.7	816.1	42.67	20.125		
10,500.0	10,478.6	10,506.8	10,501.3	12.4	33.5	-83.40		233.5	-1,253.6	857.3	814.3	43.03	19.923		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS 20 FEDERAL COM #106H - ST01 - ST01													Offset Site Error:	0.0 usft
Survey Program: 92- VES GyroFlex, 1311-MWD+IFR1+MS, 11259-MWD+IFR1+MS								Rule Assigned:				Offset Well Error:		3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference Offset	Semi Major Axis Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,600.0	10,578.6	10,601.5	10,595.9	12.5	33.8	-83.63	230.1	-1,253.1	856.4	813.0	43.39	19.738		
10,700.0	10,678.6	10,698.4	10,692.7	12.6	34.2	-83.83	227.1	-1,253.1	856.1	812.3	43.76	19.563		
10,776.1	10,754.7	10,772.9	10,767.2	12.7	34.4	-83.97	224.9	-1,253.3	856.0	812.0	44.05	19.433		
10,800.0	10,778.6	10,796.1	10,790.5	12.7	34.5	-84.01	224.4	-1,253.3	856.0	811.9	44.14	19.394		
10,900.0	10,878.6	10,897.4	10,891.7	12.8	34.8	-84.15	222.3	-1,253.6	856.1	811.6	44.54	19.221		
11,000.0	10,978.6	10,999.9	10,994.2	13.0	35.2	-84.23	221.1	-1,253.5	855.9	810.9	44.95	19.042		
11,100.0	11,078.6	11,100.4	11,094.7	13.1	35.5	-84.24	220.8	-1,253.1	855.5	810.1	45.35	18.864		
11,200.0	11,178.6	11,198.6	11,192.9	13.2	35.9	-84.27	220.4	-1,252.9	855.1	809.4	45.74	18.696		
11,275.9	11,254.5	11,362.8	11,355.0	13.2	36.1	-85.63	199.4	-1,244.9	850.0	804.1	45.88	18.524		
11,300.0	11,278.6	11,389.2	11,380.2	13.3	36.2	-86.12	191.8	-1,242.8	847.4	801.5	45.86	18.479		
11,325.0	11,303.5	11,410.9	11,400.7	13.3	36.2	-87.01	184.9	-1,241.1	844.7	798.9	45.81	18.438		
11,350.0	11,328.3	11,428.1	11,416.9	13.3	36.2	-87.85	179.1	-1,239.8	842.1	796.4	45.76	18.404		
11,375.0	11,352.9	11,448.0	11,435.4	13.3	36.2	-88.83	172.2	-1,238.5	839.8	794.1	45.70	18.377		
11,400.0	11,377.2	11,471.5	11,457.1	13.4	36.3	-90.03	163.3	-1,237.0	837.7	792.1	45.64	18.356		
11,425.0	11,401.2	11,497.9	11,481.0	13.4	36.3	-91.46	152.2	-1,235.1	835.7	790.2	45.57	18.340		
11,450.0	11,424.8	11,518.1	11,498.8	13.4	36.3	-92.69	142.8	-1,233.6	834.0	788.5	45.49	18.332 SF		
11,475.0	11,447.9	11,535.7	11,514.1	13.5	36.4	-93.80	134.2	-1,232.2	832.7	787.3	45.42	18.335		
11,500.0	11,470.5	11,543.0	11,520.3	13.5	36.4	-94.30	130.4	-1,231.6	832.0	786.7	45.35	18.348		
11,517.5	11,485.9	11,551.8	11,527.8	13.5	36.4	-94.83	125.8	-1,230.9	831.9	786.6	45.30	18.365 CC, ES		
11,525.0	11,492.5	11,553.7	11,529.4	13.5	36.4	-94.94	124.7	-1,230.8	832.0	786.7	45.28	18.374		
11,550.0	11,513.8	11,559.6	11,534.3	13.6	36.4	-95.21	121.6	-1,230.3	832.8	787.5	45.24	18.409		
11,575.0	11,534.4	11,564.6	11,538.5	13.6	36.4	-95.33	118.9	-1,230.0	834.4	789.1	45.21	18.456		
11,600.0	11,554.3	11,568.7	11,541.9	13.6	36.4	-95.32	116.5	-1,229.8	836.8	791.6	45.20	18.513		
11,625.0	11,573.3	11,572.0	11,544.7	13.7	36.4	-95.15	114.7	-1,229.6	840.0	794.8	45.21	18.581		
11,650.0	11,591.5	11,582.0	11,552.8	13.7	36.4	-95.33	109.0	-1,229.1	844.1	798.9	45.21	18.670		
11,675.0	11,608.7	11,582.0	11,552.8	13.7	36.4	-94.74	109.0	-1,229.1	848.9	803.7	45.26	18.755		
11,700.0	11,625.0	11,582.0	11,552.8	13.8	36.4	-94.05	109.0	-1,229.1	854.6	809.2	45.33	18.851		
11,725.0	11,640.2	11,582.0	11,552.8	13.8	36.4	-93.26	109.0	-1,229.1	861.0	815.6	45.42	18.958		
11,750.0	11,654.4	11,582.0	11,552.8	13.8	36.4	-92.36	109.0	-1,229.1	868.1	822.6	45.51	19.076		
11,775.0	11,667.5	11,582.0	11,552.8	13.9	36.4	-91.37	109.0	-1,229.1	876.0	830.4	45.61	19.206		
11,800.0	11,679.5	11,582.0	11,552.8	13.9	36.4	-90.28	109.0	-1,229.1	884.5	838.8	45.72	19.348		
11,825.0	11,690.3	11,582.0	11,552.8	13.9	36.4	-89.09	109.0	-1,229.1	893.7	847.9	45.83	19.501		
11,850.0	11,699.9	11,582.0	11,552.8	14.0	36.4	-87.83	109.0	-1,229.1	903.4	857.5	45.94	19.665		
11,875.0	11,708.3	11,569.7	11,542.7	14.0	36.4	-85.67	116.0	-1,229.7	913.5	867.4	46.11	19.812		
11,900.0	11,715.5	11,566.6	11,540.2	14.0	36.4	-84.06	117.7	-1,229.9	924.2	877.9	46.23	19.990		
11,925.0	11,721.3	11,563.2	11,537.4	14.0	36.4	-82.38	119.6	-1,230.1	935.2	888.9	46.35	20.177		
11,950.0	11,725.9	11,559.5	11,534.2	14.0	36.4	-80.63	121.7	-1,230.4	946.6	900.1	46.47	20.372		
11,975.0	11,729.3	11,555.3	11,530.8	14.1	36.4	-78.82	123.9	-1,230.6	958.3	911.7	46.58	20.574		
12,000.0	11,731.3	11,543.0	11,520.3	14.1	36.4	-76.53	130.4	-1,231.6	970.3	923.6	46.71	20.770		
12,025.9	11,732.0	11,543.0	11,520.3	14.1	36.4	-74.88	130.4	-1,231.6	982.7	935.9	46.80	21.000		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 47-GYRO-NS, 1311-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,100.0	5,086.9	5,096.9	5,096.2		6.5	15.7	139.5	-1,231.6	990.6	969.4	21.15	46.830		
5,200.0	5,186.3	5,199.0	5,198.3		6.6	16.1	139.3	-1,231.8	980.6	959.0	21.58	45.449		
5,300.0	5,285.8	5,297.2	5,296.5		6.7	16.4	139.1	-1,231.9	970.7	948.7	21.99	44.144		
5,400.0	5,385.2	5,397.3	5,396.6		6.8	16.7	139.0	-1,232.1	960.7	938.3	22.42	42.860		
5,500.0	5,484.7	5,496.3	5,495.6		6.9	17.0	139.0	-1,232.2	950.8	928.0	22.84	41.635		
5,600.0	5,584.1	5,596.1	5,595.4		7.0	17.4	138.9	-1,232.4	940.9	917.7	23.26	40.447		
5,700.0	5,683.6	5,695.1	5,694.4		7.1	17.7	138.9	-1,232.5	931.0	907.3	23.69	39.305		
5,800.0	5,783.0	5,794.7	5,794.0		7.2	18.0	138.9	-1,232.7	921.2	897.1	24.11	38.215		
5,900.0	5,882.5	5,895.7	5,895.0		7.3	18.3	139.2	-1,232.8	911.3	886.7	24.52	37.159		
6,000.0	5,981.9	5,999.6	5,998.9		7.4	18.6	140.4	-1,232.5	901.0	876.1	24.96	36.102		
6,100.0	6,081.4	6,107.3	6,106.5		7.5	19.0	143.5	-1,231.4	890.1	864.7	25.42	35.015		
6,200.0	6,180.8	6,217.4	6,216.4		7.7	19.4	149.2	-1,229.0	878.1	852.2	25.91	33.889		
6,300.0	6,280.3	6,326.6	6,325.4		7.8	19.8	156.4	-1,225.3	864.9	838.5	26.40	32.764		
6,406.5	6,386.2	6,455.5	6,453.7		7.9	20.2	166.8	-1,218.6	849.1	822.1	26.99	31.462		
6,500.0	6,479.3	6,574.0	6,571.2		8.0	20.7	177.7	-1,208.4	832.9	805.3	27.57	30.206		
6,600.0	6,578.9	6,675.8	6,672.2		8.1	21.0	185.3	-1,197.8	815.4	787.3	28.07	29.049		
6,700.0	6,678.7	6,774.3	6,769.9		8.2	21.4	191.8	-1,187.6	799.5	771.0	28.52	28.031		
6,800.0	6,778.6	6,871.8	6,866.8		8.3	21.7	196.4	-1,177.8	785.5	756.5	28.97	27.114		
6,900.0	6,878.6	6,967.0	6,961.6		8.4	22.0	199.9	-1,168.5	773.4	744.0	29.41	26.301		
7,006.5	6,985.1	7,070.3	7,064.3		8.5	22.3	203.3	-1,159.0	763.0	733.1	29.85	25.561		
7,100.0	7,078.6	7,160.0	7,153.6		8.6	22.6	206.2	-1,151.3	755.2	725.0	30.21	25.001		
7,200.0	7,178.6	7,255.3	7,248.6		8.7	22.9	209.6	-1,143.5	747.4	716.9	30.59	24.434		
7,300.0	7,278.6	7,356.0	7,348.9		8.8	23.3	213.1	-1,135.3	739.7	708.7	30.99	23.865		
7,400.0	7,378.6	7,456.5	7,449.0		8.9	23.6	216.3	-1,127.0	731.8	700.4	31.40	23.307		
7,500.0	7,478.6	7,556.9	7,549.0		9.0	23.9	219.4	-1,118.6	723.9	692.1	31.81	22.760		
7,600.0	7,578.6	7,658.0	7,649.6		9.2	24.3	223.5	-1,109.9	715.8	683.6	32.22	22.216		
7,700.0	7,678.6	7,758.2	7,749.3		9.3	24.6	227.7	-1,101.1	707.6	674.9	32.63	21.683		
7,800.0	7,778.6	7,856.6	7,847.2		9.4	24.9	231.8	-1,092.4	699.4	666.4	33.04	21.167		
7,900.0	7,878.6	7,952.6	7,942.8		9.5	25.3	235.3	-1,084.3	691.6	658.2	33.44	20.682		
8,000.0	7,978.6	8,048.1	8,038.0		9.6	25.6	238.5	-1,077.0	684.5	650.6	33.84	20.229		
8,100.0	8,078.6	8,143.9	8,133.5		9.7	25.9	241.8	-1,070.1	677.9	643.6	34.23	19.801		
8,200.0	8,178.6	8,238.6	8,228.0		9.8	26.2	244.5	-1,064.0	672.0	637.4	34.62	19.408		
8,300.0	8,278.6	8,333.7	8,322.9		9.9	26.5	246.9	-1,058.7	666.9	631.9	35.02	19.045		
8,400.0	8,378.6	8,429.9	8,419.0		10.0	26.9	249.0	-1,053.9	662.4	627.0	35.41	18.706		
8,500.0	8,478.6	8,525.5	8,514.5		10.1	27.2	251.1	-1,049.7	658.5	622.7	35.80	18.391		
8,600.0	8,578.6	8,620.8	8,609.6		10.2	27.5	252.7	-1,046.4	655.3	619.1	36.19	18.107		
8,700.0	8,678.6	8,716.7	8,705.5		10.3	27.8	254.3	-1,043.6	652.8	616.2	36.58	17.844		
8,800.0	8,778.6	8,814.3	8,803.0		10.4	28.2	256.4	-1,041.3	650.8	613.9	36.98	17.598		
8,900.0	8,878.6	8,915.3	8,904.1		10.6	28.5	257.4	-1,039.2	649.0	611.6	37.40	17.352		
9,000.0	8,978.6	9,013.3	9,002.0		10.7	28.9	258.7	-1,037.0	647.0	609.2	37.80	17.116		
9,100.0	9,078.6	9,105.5	9,094.2		10.8	29.2	259.7	-1,035.7	645.9	607.7	38.17	16.921		
9,135.2	9,113.8	9,137.6	9,126.3		10.8	29.3	259.9	-1,035.6	645.8	607.5	38.29	16.864		
9,200.0	9,178.6	9,200.3	9,189.0		10.9	29.5	260.1	-1,035.7	645.9	607.4	38.54	16.760		
9,300.0	9,278.6	9,308.7	9,297.4		11.0	29.8	260.1	-1,035.6	645.8	606.9	38.97	16.571		
9,400.0	9,378.6	9,418.8	9,407.5		11.1	30.2	260.3	-1,033.5	644.1	604.6	39.44	16.331		
9,500.0	9,478.6	9,512.3	9,500.9		11.2	30.5	261.7	-1,031.4	642.1	602.2	39.83	16.122		
9,600.0	9,578.6	9,610.1	9,598.7		11.3	30.9	264.9	-1,029.4	640.7	600.5	40.25	15.920		
9,700.0	9,678.6	9,713.9	9,702.3		11.5	31.2	268.2	-1,027.1	639.2	598.5	40.69	15.707		
9,800.0	9,778.6	9,812.4	9,800.8		11.6	31.6	270.4	-1,024.9	637.5	596.4	41.11	15.508		
9,900.0	9,878.6	9,913.3	9,901.7		11.7	31.9	272.3	-1,023.1	636.2	594.6	41.54	15.315		
10,000.0	9,978.6	10,023.1	10,011.5		11.8	32.3	273.3	-1,020.0	633.6	591.6	42.02	15.079		
10,100.0	10,078.6	10,120.5	10,108.8		11.9	32.6	273.3	-1,016.6	630.3	587.8	42.42	14.857		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS 20 FEDERAL COM #108H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 47-GYRO-NS, 1311-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,200.0	10,178.6	10,212.0	10,200.2	12.0	33.0	-77.28	273.3	-1,014.7	628.2	585.4	42.79	14.682		
10,300.0	10,278.6	10,309.1	10,297.4	12.1	33.3	-77.28	273.1	-1,013.7	627.1	583.9	43.18	14.522		
10,400.0	10,378.6	10,408.0	10,396.3	12.3	33.6	-77.27	273.0	-1,012.7	626.1	582.6	43.59	14.366		
10,500.0	10,478.6	10,505.2	10,493.4	12.4	34.0	-77.26	272.9	-1,012.1	625.5	581.6	43.97	14.225		
10,600.0	10,578.6	10,603.9	10,592.2	12.5	34.3	-77.28	272.6	-1,012.0	625.3	581.0	44.37	14.094		
10,700.0	10,678.6	10,703.6	10,691.8	12.6	34.6	-77.33	272.1	-1,011.9	625.2	580.4	44.76	13.966		
10,763.7	10,742.3	10,766.5	10,754.8	12.7	34.8	-77.37	271.7	-1,012.0	625.1	580.1	45.01	13.888		
10,800.0	10,778.6	10,802.2	10,790.5	12.7	35.0	-77.39	271.5	-1,012.1	625.1	580.0	45.15	13.845		
10,900.0	10,878.6	10,902.8	10,891.1	12.8	35.3	-77.45	270.8	-1,012.3	625.2	579.7	45.55	13.726		
10,951.9	10,930.5	10,954.8	10,943.0	12.9	35.5	-77.49	270.4	-1,012.4	625.2	579.5	45.76	13.663		
11,000.0	10,978.6	11,002.4	10,990.7	13.0	35.6	-77.52	270.1	-1,012.5	625.2	579.3	45.95	13.606		
11,100.0	11,078.6	11,102.2	11,090.5	13.1	36.0	-77.58	269.5	-1,012.7	625.4	579.0	46.35	13.491		
11,200.0	11,178.6	11,212.9	11,201.0	13.2	36.4	-78.00	264.9	-1,013.0	624.7	577.9	46.78	13.353		
11,275.9	11,254.5	11,309.0	11,296.2	13.2	36.7	-79.18	251.7	-1,012.8	622.5	575.5	47.03	13.236		
11,300.0	11,278.6	11,340.6	11,327.0	13.3	36.8	-79.66	245.0	-1,012.4	621.2	574.1	47.10	13.188		
11,325.0	11,303.5	11,375.9	11,361.0	13.3	36.9	-80.98	235.5	-1,011.8	619.2	572.1	47.16	13.130		
11,350.0	11,328.3	11,409.9	11,393.1	13.3	37.0	-82.66	224.3	-1,010.9	616.8	569.6	47.20	13.067		
11,375.0	11,352.9	11,438.8	11,419.8	13.3	37.1	-84.45	213.2	-1,009.9	614.0	566.8	47.20	13.009		
11,400.0	11,377.2	11,464.6	11,443.0	13.4	37.2	-86.28	202.1	-1,008.9	611.3	564.1	47.17	12.959		
11,425.0	11,401.2	11,487.6	11,463.4	13.4	37.2	-88.09	191.5	-1,007.9	608.7	561.6	47.12	12.919		
11,450.0	11,424.8	11,508.1	11,481.3	13.4	37.3	-89.82	181.4	-1,006.9	606.5	559.5	47.05	12.891		
11,475.0	11,447.9	11,526.2	11,496.8	13.5	37.4	-91.39	172.2	-1,006.0	604.8	557.9	46.97	12.877 SF		
11,500.0	11,470.5	11,542.0	11,510.1	13.5	37.4	-92.77	163.8	-1,005.1	603.8	556.9	46.89	12.879		
11,520.0	11,488.1	11,554.3	11,520.3	13.5	37.4	-93.83	157.0	-1,004.4	603.6	556.7	46.82	12.891 CC, ES		
11,525.0	11,492.5	11,557.1	11,522.7	13.5	37.4	-94.07	155.4	-1,004.2	603.6	556.8	46.81	12.895		
11,550.0	11,513.8	11,569.8	11,533.1	13.6	37.5	-95.10	148.3	-1,003.3	604.2	557.5	46.74	12.928		
11,575.0	11,534.4	11,580.2	11,541.6	13.6	37.5	-95.83	142.3	-1,002.6	605.8	559.1	46.69	12.976		
11,600.0	11,554.3	11,588.6	11,548.4	13.6	37.5	-96.28	137.4	-1,002.0	608.4	561.8	46.66	13.039		
11,625.0	11,573.3	11,595.6	11,554.0	13.7	37.5	-96.48	133.2	-1,001.4	612.1	565.5	46.66	13.118		
11,650.0	11,591.5	11,600.7	11,558.1	13.7	37.6	-96.38	130.2	-1,001.0	616.9	570.2	46.70	13.211		
11,675.0	11,608.7	11,604.1	11,560.8	13.7	37.6	-95.97	128.2	-1,000.7	622.8	576.0	46.76	13.318		
11,700.0	11,625.0	11,605.7	11,562.1	13.8	37.6	-95.27	127.2	-1,000.6	629.7	582.8	46.86	13.439		
11,725.0	11,640.2	11,605.9	11,562.2	13.8	37.6	-94.29	127.1	-1,000.6	637.6	590.7	46.97	13.574		
11,750.0	11,654.4	11,604.7	11,561.3	13.8	37.6	-93.03	127.8	-1,000.7	646.5	599.4	47.11	13.724		
11,775.0	11,667.5	11,602.2	11,559.3	13.9	37.6	-91.52	129.3	-1,000.9	656.3	609.1	47.26	13.887		
11,800.0	11,679.5	11,598.6	11,556.4	13.9	37.6	-89.77	131.5	-1,001.2	666.9	619.5	47.42	14.064		
11,825.0	11,690.3	11,593.9	11,552.7	13.9	37.5	-87.81	134.3	-1,001.5	678.3	630.7	47.58	14.254		
11,850.0	11,699.9	11,588.0	11,547.9	14.0	37.5	-85.63	137.7	-1,002.0	690.2	642.5	47.74	14.457		
11,875.0	11,708.3	11,582.3	11,543.3	14.0	37.5	-83.40	141.1	-1,002.4	702.7	654.8	47.90	14.671		
11,900.0	11,715.5	11,575.7	11,538.0	14.0	37.5	-81.01	144.9	-1,002.9	715.7	667.7	48.05	14.895		
11,925.0	11,721.3	11,568.4	11,532.0	14.0	37.5	-78.54	149.1	-1,003.4	729.1	680.9	48.19	15.128		
11,950.0	11,725.9	11,560.5	11,525.5	14.0	37.4	-75.99	153.5	-1,004.0	742.7	694.4	48.32	15.369		
11,975.0	11,729.3	11,552.1	11,518.5	14.1	37.4	-73.41	158.2	-1,004.5	756.5	708.1	48.45	15.616		
12,000.0	11,731.3	11,541.0	11,509.3	14.1	37.4	-70.67	164.3	-1,005.2	770.5	721.9	48.56	15.866		
12,025.9	11,732.0	11,541.0	11,509.3	14.1	37.4	-68.69	164.3	-1,005.2	785.1	736.4	48.64	16.141		
12,100.0	11,732.0	11,510.4	11,483.2	14.1	37.3	-66.63	180.3	-1,006.8	828.3	779.4	48.93	16.930		
12,200.0	11,732.0	11,482.4	11,458.8	14.2	37.2	-64.76	194.0	-1,008.2	891.7	842.5	49.26	18.103		
12,300.0	11,732.0	11,447.0	11,427.2	14.3	37.1	-62.41	209.8	-1,009.6	960.2	910.7	49.57	19.370		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #13H - OWB - PWP1													Offset Site Error:
Survey Program: 0-MWD+IFR1+FDIR													Offset Well Error:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	0.2	0.2	3.0	3.0	-57.53	355.7	-559.1	662.7				
100.0	100.0	100.2	100.2	3.0	3.0	-57.53	355.7	-559.1	662.7	656.7	6.00	110.395	
200.0	200.0	200.2	200.2	3.0	3.0	-57.53	355.7	-559.1	662.7	656.7	6.04	109.681	
300.0	300.0	300.2	300.2	3.0	3.1	-57.53	355.7	-559.1	662.7	656.6	6.12	108.196	
400.0	400.0	400.2	400.2	3.0	3.2	-57.53	355.7	-559.1	662.7	656.4	6.25	106.052	
500.0	500.0	500.2	500.2	3.1	3.4	-57.53	355.7	-559.1	662.7	656.3	6.41	103.391	
600.0	600.0	600.2	600.2	3.1	3.6	-57.53	355.7	-559.1	662.7	656.1	6.60	100.362	
700.0	700.0	700.2	700.2	3.1	3.8	-57.53	355.7	-559.1	662.7	655.9	6.82	97.101	
800.0	800.0	800.2	800.2	3.2	4.0	-57.53	355.7	-559.1	662.7	655.6	7.07	93.722	
900.0	900.0	900.2	900.2	3.2	4.2	-57.53	355.7	-559.1	662.7	655.4	7.34	90.313	
1,000.0	1,000.0	1,000.2	1,000.2	3.2	4.5	-57.53	355.7	-559.1	662.7	655.1	7.62	86.941	
1,100.0	1,100.0	1,100.2	1,100.2	3.3	4.8	-57.53	355.7	-559.1	662.7	654.8	7.92	83.650	
1,200.0	1,200.0	1,200.2	1,200.2	3.4	5.1	-57.53	355.7	-559.1	662.7	654.5	8.24	80.471	
1,300.0	1,300.0	1,300.2	1,300.2	3.4	5.4	-57.53	355.7	-559.1	662.7	654.1	8.56	77.422	
1,400.0	1,400.0	1,400.2	1,400.2	3.5	5.7	-57.53	355.7	-559.1	662.7	653.8	8.89	74.513	
1,500.0	1,500.0	1,500.2	1,500.2	3.5	6.0	-57.53	355.7	-559.1	662.7	653.5	9.24	71.747	
1,600.0	1,600.0	1,600.2	1,600.2	3.6	6.3	-57.53	355.7	-559.1	662.7	653.1	9.59	69.124	
1,700.0	1,700.0	1,700.2	1,700.2	3.7	6.6	-57.53	355.7	-559.1	662.7	652.8	9.94	66.640	
1,800.0	1,800.0	1,800.2	1,800.2	3.8	6.9	-57.53	355.7	-559.1	662.7	652.4	10.31	64.291	
1,900.0	1,900.0	1,900.2	1,900.2	3.9	7.2	-57.53	355.7	-559.1	662.7	652.0	10.68	62.070	
2,000.0	2,000.0	2,000.2	2,000.2	3.9	7.6	-57.53	355.7	-559.1	662.7	651.6	11.05	59.971	
2,100.0	2,100.0	2,100.2	2,100.2	4.0	7.9	-57.53	355.7	-559.1	662.7	651.3	11.43	57.986	
2,200.0	2,200.0	2,200.2	2,200.2	4.1	8.2	-57.53	355.7	-559.1	662.7	650.9	11.81	56.109	
2,300.0	2,300.0	2,300.2	2,300.2	4.2	8.6	-57.53	355.7	-559.1	662.7	650.5	12.20	54.333	
2,400.0	2,400.0	2,400.2	2,400.2	4.3	8.9	-57.53	355.7	-559.1	662.7	650.1	12.59	52.652	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	9.2	-57.53	355.7	-559.1	662.7	649.7	12.98	51.062	
2,517.0	2,517.0	2,514.2	2,514.2	4.4	9.3	13.90	355.7	-559.2	662.7	649.7	13.03	50.843	
2,600.0	2,600.0	2,582.8	2,582.8	4.5	9.5	13.89	355.9	-560.3	662.3	649.0	13.32	49.742	
2,700.0	2,699.8	2,665.4	2,665.4	4.5	9.8	13.86	356.4	-563.9	661.2	647.5	13.65	48.430	
2,800.0	2,799.5	2,748.1	2,747.8	4.6	10.1	13.80	357.2	-569.8	659.3	645.3	13.98	47.144	
2,887.2	2,886.2	2,820.2	2,819.6	4.6	10.3	13.70	358.2	-576.8	658.3	644.0	14.27	46.133 CC	
2,900.0	2,898.9	2,830.8	2,830.0	4.6	10.3	13.68	358.3	-578.0	658.3	644.0	14.31	46.000 ES	
3,000.0	2,998.4	2,913.4	2,912.0	4.7	10.6	13.47	359.8	-588.6	659.9	645.3	14.63	45.100	
3,100.0	3,097.8	3,006.1	3,003.5	4.8	10.9	13.16	361.7	-602.7	663.8	648.8	15.01	44.236	
3,200.0	3,197.3	3,105.9	3,102.2	4.8	11.3	12.82	363.8	-618.1	667.9	652.5	15.42	43.313	
3,300.0	3,296.7	3,205.8	3,200.8	4.9	11.6	12.49	365.9	-633.5	672.0	656.2	15.84	42.427	
3,400.0	3,396.2	3,305.6	3,299.4	5.0	11.9	12.16	368.0	-648.9	676.1	659.9	16.26	41.578	
3,500.0	3,495.6	3,405.4	3,398.0	5.0	12.3	11.83	370.1	-664.3	680.3	663.6	16.69	40.765	
3,600.0	3,595.1	3,505.3	3,496.7	5.1	12.6	11.51	372.2	-679.7	684.5	667.4	17.12	39.985	
3,700.0	3,694.5	3,605.1	3,595.3	5.2	13.0	11.19	374.3	-695.0	688.7	671.1	17.55	39.237	
3,800.0	3,794.0	3,705.0	3,693.9	5.3	13.3	10.88	376.4	-710.4	692.9	674.9	17.99	38.520	
3,900.0	3,893.4	3,804.8	3,792.5	5.4	13.7	10.57	378.5	-725.8	697.2	678.7	18.43	37.832	
4,000.0	3,992.9	3,904.6	3,891.2	5.4	14.0	10.26	380.6	-741.2	701.4	682.6	18.87	37.172	
4,100.0	4,092.3	4,004.5	3,989.8	5.5	14.4	9.96	382.7	-756.6	705.7	686.4	19.31	36.539	
4,200.0	4,191.8	4,104.3	4,088.4	5.6	14.7	9.66	384.8	-772.0	710.0	690.3	19.76	35.930	
4,300.0	4,291.2	4,204.1	4,187.0	5.7	15.1	9.36	386.9	-787.4	714.3	694.1	20.21	35.346	
4,400.0	4,390.7	4,304.0	4,285.7	5.8	15.4	9.07	389.0	-802.8	718.7	698.0	20.66	34.784	
4,500.0	4,490.1	4,403.8	4,384.3	5.9	15.8	8.78	391.1	-818.1	723.1	701.9	21.11	34.245	
4,600.0	4,589.6	4,503.7	4,482.9	6.0	16.2	8.49	393.2	-833.5	727.4	705.9	21.57	33.725	
4,700.0	4,689.0	4,603.5	4,581.5	6.1	16.5	8.21	395.3	-848.9	731.8	709.8	22.03	33.226	
4,800.0	4,788.5	4,703.3	4,680.1	6.2	16.9	7.93	397.4	-864.3	736.3	713.8	22.48	32.745	
4,900.0	4,887.9	4,803.2	4,778.8	6.3	17.2	7.66	399.5	-879.7	740.7	717.7	22.94	32.282	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #13H - OWB - PWP1													Offset Site Error:	0.0 usft	
Survey Program:		0-MWD+IFR1+FDIR		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	3.0 usft
Reference	Measured	Vertical	Measured	Vertical	Reference	Offset	Highside			Distance					
Depth	Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation		Warning
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor		
										(usft)	(usft)	(usft)			
5,000.0	4,987.4	4,903.0	4,877.4		6.4	17.6	7.39	401.6	-895.1	745.1	721.7	23.41	31.836		
5,100.0	5,086.9	5,002.9	4,976.0		6.5	18.0	7.12	403.7	-910.5	749.6	725.7	23.87	31.406		
5,200.0	5,186.3	5,102.7	5,074.6		6.6	18.3	6.85	405.8	-925.9	754.1	729.8	24.33	30.991		
5,300.0	5,285.8	5,202.5	5,173.3		6.7	18.7	6.59	407.8	-941.3	758.6	733.8	24.80	30.591		
5,400.0	5,385.2	5,302.4	5,271.9		6.8	19.0	6.33	409.9	-956.6	763.1	737.8	25.26	30.205		
5,500.0	5,484.7	5,402.2	5,370.5		6.9	19.4	6.08	412.0	-972.0	767.6	741.9	25.73	29.832		
5,600.0	5,584.1	5,502.0	5,469.1		7.0	19.8	5.82	414.1	-987.4	772.2	746.0	26.20	29.472		
5,700.0	5,683.6	5,601.9	5,567.8		7.1	20.1	5.57	416.2	-1,002.8	776.7	750.1	26.67	29.124		
5,800.0	5,783.0	5,701.7	5,666.4		7.2	20.5	5.33	418.3	-1,018.2	781.3	754.2	27.14	28.788		
5,900.0	5,882.5	5,801.6	5,765.0		7.3	20.9	5.08	420.4	-1,033.6	785.9	758.3	27.61	28.463		
6,000.0	5,981.9	5,901.4	5,863.6		7.4	21.2	4.84	422.5	-1,049.0	790.5	762.4	28.08	28.148		
6,100.0	6,081.4	6,001.2	5,962.3		7.5	21.6	4.60	424.6	-1,064.4	795.1	766.6	28.56	27.843		
6,200.0	6,180.8	6,101.1	6,060.9		7.7	22.0	4.36	426.7	-1,079.8	799.8	770.7	29.03	27.548		
6,300.0	6,280.3	6,200.9	6,159.5		7.8	22.3	4.13	428.8	-1,095.1	804.4	774.9	29.51	27.262		
6,406.5	6,386.2	6,307.2	6,264.5		7.9	22.7	3.89	431.1	-1,111.5	809.4	779.3	30.01	26.968		
6,500.0	6,479.3	6,400.6	6,356.7		8.0	23.1	3.67	433.0	-1,125.9	814.5	784.0	30.46	26.742		
6,600.0	6,578.9	6,500.2	6,455.2		8.1	23.4	3.44	435.1	-1,141.3	821.7	790.7	30.93	26.562		
6,700.0	6,678.7	6,599.8	6,553.5		8.2	23.8	3.21	437.2	-1,156.6	830.6	799.2	31.41	26.443		
6,800.0	6,778.6	6,699.1	6,651.7		8.3	24.2	2.97	439.3	-1,171.9	841.3	809.4	31.89	26.382		
6,900.0	6,878.6	6,798.3	6,749.6		8.4	24.5	2.74	441.4	-1,187.2	853.7	821.3	32.37	26.377 SF		
7,006.5	6,985.1	6,903.7	6,853.7		8.5	24.9	-68.94	443.6	-1,203.5	868.8	836.0	32.85	26.450		
7,100.0	7,078.6	6,996.0	6,944.9		8.6	25.3	-69.16	445.5	-1,217.7	883.0	849.8	33.25	26.558		
7,200.0	7,178.6	7,094.8	7,042.5		8.7	25.6	-69.38	447.6	-1,232.9	898.2	864.5	33.68	26.670		
7,300.0	7,278.6	7,193.6	7,140.1		8.8	26.0	-69.60	449.7	-1,248.1	913.4	879.3	34.11	26.780		
7,400.0	7,378.6	7,292.4	7,237.7		8.9	26.4	-69.81	451.8	-1,263.4	928.6	894.0	34.54	26.887		
7,500.0	7,478.6	7,391.2	7,335.2		9.0	26.7	-70.01	453.9	-1,278.6	943.8	908.8	34.96	26.992		
7,600.0	7,578.6	7,489.9	7,432.8		9.2	27.1	-70.21	455.9	-1,293.8	959.0	923.6	35.39	27.094		
7,700.0	7,678.6	7,588.7	7,530.4		9.3	27.4	-70.40	458.0	-1,309.0	974.2	938.4	35.82	27.194		
7,800.0	7,778.6	7,687.5	7,628.0		9.4	27.8	-70.58	460.1	-1,324.3	989.4	953.2	36.25	27.292		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #14H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9779-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	3.0	3.0	-55.93	355.8	-526.1	635.2					
100.0	100.0	99.1	99.1	3.0	3.0	-55.93	355.8	-526.1	635.2	629.2	6.00	105.854		
200.0	200.0	199.1	199.1	3.0	3.0	-55.93	355.8	-526.1	635.2	629.2	6.01	105.767		
300.0	300.0	299.1	299.1	3.0	3.0	-55.93	355.8	-526.1	635.2	629.1	6.02	105.576		
400.0	400.0	399.1	399.1	3.0	3.0	-55.93	355.8	-526.1	635.2	629.1	6.03	105.285		
500.0	500.0	499.1	499.1	3.1	3.1	-55.93	355.8	-526.1	635.2	629.1	6.06	104.895		
600.0	600.0	599.1	599.1	3.1	3.1	-55.93	355.8	-526.1	635.2	629.1	6.08	104.411		
700.0	700.0	699.1	699.1	3.1	3.1	-55.93	355.8	-526.1	635.2	629.0	6.12	103.835		
800.0	800.0	799.1	799.1	3.2	3.2	-55.93	355.8	-526.1	635.2	629.0	6.16	103.172		
900.0	900.0	899.1	899.1	3.2	3.2	-55.93	355.8	-526.1	635.2	629.0	6.20	102.428		
1,000.0	1,000.0	999.1	999.1	3.2	3.2	-55.93	355.8	-526.1	635.2	628.9	6.25	101.609		
1,100.0	1,100.0	1,099.1	1,099.1	3.3	3.3	-55.93	355.8	-526.1	635.2	628.9	6.31	100.719		
1,200.0	1,200.0	1,199.1	1,199.1	3.4	3.4	-55.93	355.8	-526.1	635.2	628.8	6.37	99.766		
1,300.0	1,300.0	1,299.1	1,299.1	3.4	3.4	-55.93	355.8	-526.1	635.2	628.7	6.43	98.755		
1,400.0	1,400.0	1,399.1	1,399.1	3.5	3.5	-55.93	355.8	-526.1	635.2	628.7	6.50	97.692		
1,500.0	1,500.0	1,499.1	1,499.1	3.5	3.5	-55.93	355.8	-526.1	635.2	628.6	6.58	96.585		
1,600.0	1,600.0	1,599.1	1,599.1	3.6	3.6	-55.93	355.8	-526.1	635.2	628.5	6.66	95.439		
1,700.0	1,700.0	1,699.1	1,699.1	3.7	3.7	-55.93	355.8	-526.1	635.2	628.4	6.74	94.259		
1,800.0	1,800.0	1,799.1	1,799.1	3.8	3.8	-55.93	355.8	-526.1	635.2	628.3	6.83	93.051		
1,900.0	1,900.0	1,899.1	1,899.1	3.9	3.9	-55.93	355.8	-526.1	635.2	628.2	6.92	91.821		
2,000.0	2,000.0	1,999.1	1,999.1	3.9	3.9	-55.93	355.8	-526.1	635.2	628.1	7.01	90.574		
2,100.0	2,100.0	2,099.1	2,099.1	4.0	4.0	-55.93	355.8	-526.1	635.2	628.1	7.11	89.314		
2,200.0	2,200.0	2,199.1	2,199.1	4.1	4.1	-55.93	355.8	-526.1	635.2	627.9	7.21	88.046		
2,300.0	2,300.0	2,299.1	2,299.1	4.2	4.2	-55.93	355.8	-526.1	635.2	627.8	7.32	86.773		
2,400.0	2,400.0	2,399.1	2,399.1	4.3	4.3	-55.93	355.8	-526.1	635.2	627.7	7.43	85.499		
2,500.0	2,500.0	2,499.1	2,499.1	4.4	4.4	-55.93	355.8	-526.1	635.2	627.6	7.54	84.227		
2,600.0	2,600.0	2,581.4	2,581.4	4.5	4.5	15.53	356.3	-527.2	634.9	627.2	7.66	82.886		
2,700.0	2,699.8	2,663.5	2,663.4	4.5	4.5	15.58	357.7	-530.4	634.0	626.2	7.80	81.301		
2,800.0	2,799.5	2,745.7	2,745.3	4.6	4.6	15.66	360.0	-535.8	632.6	624.7	7.94	79.657		
2,853.0	2,852.2	2,789.2	2,788.7	4.6	4.6	15.70	361.6	-539.5	632.1	624.1	8.02	78.839 CC, ES		
2,900.0	2,898.9	2,827.8	2,827.1	4.6	4.6	15.73	363.3	-543.3	632.4	624.3	8.09	78.201		
3,000.0	2,998.4	2,923.8	2,922.4	4.7	4.7	15.78	367.8	-553.9	634.1	625.8	8.25	76.876		
3,100.0	3,097.8	3,023.8	3,021.7	4.8	4.7	15.82	372.6	-565.0	635.9	627.5	8.42	75.528		
3,200.0	3,197.3	3,123.8	3,120.9	4.8	4.8	15.87	377.4	-576.0	637.7	629.1	8.59	74.198		
3,300.0	3,296.7	3,223.8	3,220.2	4.9	4.9	15.92	382.2	-587.1	639.4	630.7	8.77	72.889		
3,400.0	3,396.2	3,323.8	3,319.4	5.0	4.9	15.97	386.9	-598.2	641.2	632.3	8.96	71.603		
3,500.0	3,495.6	3,423.8	3,418.7	5.0	5.0	16.02	391.7	-609.2	643.0	633.9	9.14	70.341		
3,600.0	3,595.1	3,523.7	3,518.0	5.1	5.1	16.06	396.5	-620.3	644.8	635.5	9.33	69.106		
3,700.0	3,694.5	3,623.7	3,617.2	5.2	5.2	16.11	401.2	-631.4	646.6	637.1	9.52	67.897		
3,800.0	3,794.0	3,723.7	3,716.5	5.3	5.3	16.16	406.0	-642.4	648.4	638.7	9.72	66.717		
3,900.0	3,893.4	3,823.7	3,815.7	5.4	5.3	16.20	410.8	-653.5	650.2	640.2	9.92	65.566		
4,000.0	3,992.9	3,923.7	3,915.0	5.4	5.4	16.25	415.6	-664.6	651.9	641.8	10.12	64.443		
4,100.0	4,092.3	4,023.7	4,014.2	5.5	5.5	16.29	420.3	-675.6	653.7	643.4	10.32	63.349		
4,200.0	4,191.8	4,123.6	4,113.5	5.6	5.6	16.34	425.1	-686.7	655.5	645.0	10.52	62.284		
4,300.0	4,291.2	4,223.6	4,212.7	5.7	5.7	16.39	429.9	-697.8	657.3	646.6	10.73	61.247		
4,400.0	4,390.7	4,323.6	4,312.0	5.8	5.8	16.43	434.7	-708.8	659.1	648.2	10.94	60.238		
4,500.0	4,490.1	4,423.6	4,411.2	5.9	5.9	16.48	439.4	-719.9	660.9	649.7	11.15	59.257		
4,600.0	4,589.6	4,523.6	4,510.5	6.0	6.0	16.52	444.2	-731.0	662.7	651.3	11.37	58.304		
4,700.0	4,689.0	4,623.5	4,609.7	6.1	6.1	16.56	449.0	-742.0	664.5	652.9	11.58	57.377		
4,800.0	4,788.5	4,723.5	4,709.0	6.2	6.2	16.61	453.8	-753.1	666.3	654.5	11.80	56.476		
4,900.0	4,887.9	4,823.5	4,808.3	6.3	6.3	16.65	458.5	-764.2	668.1	656.0	12.02	55.600		
5,000.0	4,987.4	4,923.5	4,907.5	6.4	6.4	16.70	463.3	-775.2	669.8	657.6	12.23	54.749		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #14H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9779-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,100.0	5,086.9	5,023.5	5,006.8	6.5	6.5	16.74	468.1	-786.3	671.6	659.2	12.46	53.922		
5,200.0	5,186.3	5,123.5	5,106.0	6.6	6.6	16.78	472.9	-797.4	673.4	660.8	12.68	53.118		
5,300.0	5,285.8	5,223.4	5,205.3	6.7	6.7	16.83	477.6	-808.4	675.2	662.3	12.90	52.337		
5,400.0	5,385.2	5,323.4	5,304.5	6.8	6.8	16.87	482.4	-819.5	677.0	663.9	13.13	51.578		
5,500.0	5,484.7	5,423.4	5,403.8	6.9	6.9	16.91	487.2	-830.6	678.8	665.5	13.35	50.840		
5,600.0	5,584.1	5,523.4	5,503.0	7.0	7.0	16.95	491.9	-841.6	680.6	667.0	13.58	50.123		
5,700.0	5,683.6	5,623.4	5,602.3	7.1	7.1	16.99	496.7	-852.7	682.4	668.6	13.81	49.425		
5,800.0	5,783.0	5,723.4	5,701.5	7.2	7.2	17.04	501.5	-863.8	684.2	670.2	14.04	48.747		
5,900.0	5,882.5	5,823.3	5,800.8	7.3	7.4	17.08	506.3	-874.8	686.0	671.7	14.27	48.087		
6,000.0	5,981.9	5,923.3	5,900.0	7.4	7.5	17.12	511.0	-885.9	687.8	673.3	14.50	47.446		
6,100.0	6,081.4	6,023.3	5,999.3	7.5	7.6	17.16	515.8	-897.0	689.6	674.9	14.73	46.821		
6,200.0	6,180.8	6,123.3	6,098.5	7.7	7.7	17.20	520.6	-908.0	691.4	676.4	14.96	46.214		
6,300.0	6,280.3	6,223.3	6,197.8	7.8	7.8	17.24	525.4	-919.1	693.2	678.0	15.19	45.622		
6,406.5	6,386.2	6,329.7	6,303.5	7.9	7.9	17.29	530.4	-930.9	695.1	679.6	15.44	45.010		
6,500.0	6,479.3	6,423.2	6,396.3	8.0	8.0	17.31	534.9	-941.2	697.5	681.8	15.66	44.535		
6,600.0	6,578.9	6,523.1	6,495.5	8.1	8.2	17.30	539.7	-952.3	701.7	685.8	15.90	44.145		
6,700.0	6,678.7	6,623.0	6,594.6	8.2	8.3	17.26	544.4	-963.3	707.5	691.4	16.13	43.872		
6,800.0	6,778.6	6,722.7	6,693.6	8.3	8.4	17.18	549.2	-974.4	715.1	698.7	16.36	43.713		
6,900.0	6,878.6	6,822.2	6,792.4	8.4	8.5	17.06	554.0	-985.4	724.2	707.6	16.59	43.662		
7,006.5	6,985.1	6,928.1	6,897.4	8.5	8.6	-54.53	559.0	-997.1	735.8	719.0	16.82	43.761		
7,100.0	7,078.6	7,020.9	6,989.6	8.6	8.7	-54.71	563.4	-1,007.4	746.9	729.9	17.00	43.931		
7,200.0	7,178.6	7,120.1	7,088.1	8.7	8.9	-54.90	568.2	-1,018.4	758.7	741.5	17.20	44.110		
7,300.0	7,278.6	7,219.4	7,186.7	8.8	9.0	-55.08	572.9	-1,029.4	770.5	753.1	17.40	44.284		
7,400.0	7,378.6	7,318.7	7,285.2	8.9	9.1	-55.26	577.7	-1,040.3	782.3	764.7	17.60	44.454		
7,500.0	7,478.6	7,418.0	7,383.8	9.0	9.2	-55.43	582.4	-1,051.3	794.1	776.3	17.80	44.619		
7,600.0	7,578.6	7,517.2	7,482.3	9.2	9.3	-55.60	587.1	-1,062.3	806.0	788.0	18.00	44.781		
7,700.0	7,678.6	7,616.5	7,580.9	9.3	9.5	-55.76	591.9	-1,073.3	817.8	799.6	18.20	44.939		
7,800.0	7,778.6	7,715.8	7,679.4	9.4	9.6	-55.92	596.6	-1,084.3	829.6	811.2	18.40	45.093		
7,900.0	7,878.6	7,815.0	7,778.0	9.5	9.7	-56.07	601.4	-1,095.3	841.5	822.9	18.60	45.244		
8,000.0	7,978.6	7,914.3	7,876.5	9.6	9.8	-56.22	606.1	-1,106.3	853.3	834.5	18.80	45.391		
8,100.0	8,078.6	8,013.6	7,975.1	9.7	9.9	-56.37	610.8	-1,117.3	865.2	846.2	19.00	45.535		
8,200.0	8,178.6	8,112.9	8,073.6	9.8	10.1	-56.51	615.6	-1,128.3	877.1	857.9	19.20	45.675		
8,300.0	8,278.6	8,212.1	8,172.2	9.9	10.2	-56.64	620.3	-1,139.2	888.9	869.5	19.40	45.812		
8,400.0	8,378.6	8,311.4	8,270.7	10.0	10.3	-56.78	625.1	-1,150.2	900.8	881.2	19.61	45.946		
8,500.0	8,478.6	8,410.7	8,369.2	10.1	10.4	-56.91	629.8	-1,161.2	912.7	892.9	19.81	46.077		
8,600.0	8,578.6	8,509.9	8,467.8	10.2	10.6	-57.03	634.5	-1,172.2	924.6	904.6	20.01	46.205		
8,700.0	8,678.6	8,609.2	8,566.3	10.3	10.7	-57.16	639.3	-1,183.2	936.5	916.2	20.21	46.330		
8,800.0	8,778.6	8,708.5	8,664.9	10.4	10.8	-57.28	644.0	-1,194.2	948.4	927.9	20.42	46.452		
8,900.0	8,878.6	8,807.8	8,763.4	10.6	10.9	-57.39	648.8	-1,205.2	960.3	939.6	20.62	46.571		
9,000.0	8,978.6	8,907.0	8,862.0	10.7	11.1	-57.51	653.5	-1,216.2	972.2	951.3	20.82	46.688		
9,100.0	9,078.6	9,006.3	8,960.5	10.8	11.2	-57.62	658.2	-1,227.1	984.1	963.0	21.03	46.802		
9,200.0	9,178.6	9,105.6	9,059.1	10.9	11.3	-57.73	663.0	-1,238.1	996.0	974.7	21.23	46.914		
10,000.0	9,978.6	10,637.7	10,225.0	11.8	12.9	-90.15	132.4	-1,366.6	995.8	972.5	23.22	42.881 SF		
10,100.0	10,078.6	10,637.7	10,225.0	11.9	12.9	-90.15	132.4	-1,366.6	975.7	953.7	22.05	44.251		
10,200.0	10,178.6	10,637.7	10,225.0	12.0	12.9	-90.15	132.4	-1,366.6	965.7	944.5	21.23	45.491		
10,247.3	10,225.9	10,637.7	10,225.0	12.1	12.9	-90.15	132.4	-1,366.6	964.6	943.6	21.01	45.905		
10,300.0	10,278.6	10,637.7	10,225.0	12.1	12.9	-90.15	132.4	-1,366.6	966.0	945.1	20.92	46.169		
10,400.0	10,378.6	10,637.7	10,225.0	12.3	12.9	-90.15	132.4	-1,366.6	976.6	955.4	21.21	46.039		
10,500.0	10,478.6	10,637.7	10,225.0	12.4	12.9	-90.15	132.4	-1,366.6	997.1	975.1	22.05	45.220		

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

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COMPASS 5000.15 Build 91E

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design:ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #15H - OWB - PWP1														Offset Site Error:	0.0 usft
Survey Program: 0-MWD+IFR1+FDIR		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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	3.0	3.0	-54.17	356.0	-493.1	608.2						
100.0	100.0	99.4	99.4	3.0	3.0	-54.17	356.0	-493.1	608.2	602.2	6.00	101.317			
200.0	200.0	199.4	199.4	3.0	3.0	-54.17	356.0	-493.1	608.2	602.2	6.04	100.665			
300.0	300.0	299.4	299.4	3.0	3.1	-54.17	356.0	-493.1	608.2	602.1	6.12	99.300			
400.0	400.0	399.4	399.4	3.0	3.2	-54.17	356.0	-493.1	608.2	601.9	6.25	97.327			
500.0	500.0	499.4	499.4	3.1	3.4	-54.17	356.0	-493.1	608.2	601.8	6.41	94.876			
600.0	600.0	599.4	599.4	3.1	3.6	-54.17	356.0	-493.1	608.2	601.6	6.60	92.085			
700.0	700.0	699.4	699.4	3.1	3.8	-54.17	356.0	-493.1	608.2	601.4	6.83	89.080			
800.0	800.0	799.4	799.4	3.2	4.0	-54.17	356.0	-493.1	608.2	601.1	7.07	85.965			
900.0	900.0	899.4	899.4	3.2	4.2	-54.17	356.0	-493.1	608.2	600.9	7.34	82.822			
1,000.0	1,000.0	999.4	999.4	3.2	4.5	-54.17	356.0	-493.1	608.2	600.6	7.63	79.713			
1,100.0	1,100.0	1,099.4	1,099.4	3.3	4.8	-54.17	356.0	-493.1	608.2	600.3	7.93	76.680			
1,200.0	1,200.0	1,199.4	1,199.4	3.4	5.1	-54.17	356.0	-493.1	608.2	599.9	8.25	73.750			
1,300.0	1,300.0	1,299.4	1,299.4	3.4	5.3	-54.17	356.0	-493.1	608.2	599.6	8.57	70.941			
1,400.0	1,400.0	1,399.4	1,399.4	3.5	5.6	-54.17	356.0	-493.1	608.2	599.3	8.91	68.260			
1,500.0	1,500.0	1,499.4	1,499.4	3.5	6.0	-54.17	356.0	-493.1	608.2	598.9	9.26	65.712			
1,600.0	1,600.0	1,599.4	1,599.4	3.6	6.3	-54.17	356.0	-493.1	608.2	598.6	9.61	63.297			
1,700.0	1,700.0	1,699.4	1,699.4	3.7	6.6	-54.17	356.0	-493.1	608.2	598.2	9.97	61.010			
1,800.0	1,800.0	1,799.4	1,799.4	3.8	6.9	-54.17	356.0	-493.1	608.2	597.9	10.34	58.847			
1,900.0	1,900.0	1,899.4	1,899.4	3.9	7.2	-54.17	356.0	-493.1	608.2	597.5	10.71	56.803			
2,000.0	2,000.0	1,999.4	1,999.4	3.9	7.6	-54.17	356.0	-493.1	608.2	597.1	11.08	54.871			
2,100.0	2,100.0	2,099.4	2,099.4	4.0	7.9	-54.17	356.0	-493.1	608.2	596.7	11.47	53.046			
2,200.0	2,200.0	2,199.4	2,199.4	4.1	8.2	-54.17	356.0	-493.1	608.2	596.3	11.85	51.319			
2,300.0	2,300.0	2,299.4	2,299.4	4.2	8.6	-54.17	356.0	-493.1	608.2	596.0	12.24	49.686			
2,400.0	2,400.0	2,399.4	2,399.4	4.3	8.9	-54.17	356.0	-493.1	608.2	595.6	12.63	48.141			
2,500.0	2,500.0	2,499.4	2,499.4	4.4	9.2	-54.17	356.0	-493.1	608.2	595.2	13.03	46.677			
2,600.0	2,600.0	2,588.3	2,588.3	4.5	9.5	17.42	357.4	-493.1	607.4	594.0	13.40	45.330			
2,700.0	2,699.8	2,677.0	2,676.9	4.5	9.8	17.88	361.5	-493.1	605.2	591.4	13.78	43.911			
2,800.0	2,799.5	2,765.3	2,764.9	4.6	10.1	18.65	368.3	-493.1	601.6	587.4	14.17	42.464			
2,900.0	2,898.9	2,860.1	2,859.2	4.6	10.5	19.69	378.0	-493.2	598.0	583.4	14.58	41.003			
3,000.0	2,998.4	2,959.4	2,957.9	4.7	10.8	20.81	388.4	-493.2	594.8	579.8	15.03	39.584			
3,100.0	3,097.8	3,058.6	3,056.7	4.8	11.1	21.94	398.8	-493.3	591.8	576.3	15.47	38.251			
3,200.0	3,197.3	3,157.9	3,155.4	4.8	11.5	23.08	409.1	-493.3	589.1	573.2	15.92	37.001			
3,300.0	3,296.7	3,257.1	3,254.1	4.9	11.8	24.23	419.5	-493.4	586.6	570.2	16.37	35.828			
3,400.0	3,396.2	3,356.4	3,352.8	5.0	12.2	25.39	429.9	-493.4	584.3	567.5	16.83	34.727			
3,500.0	3,495.6	3,455.7	3,451.5	5.0	12.5	26.55	440.3	-493.5	582.3	565.0	17.28	33.695			
3,600.0	3,595.1	3,554.9	3,550.2	5.1	12.9	27.73	450.6	-493.5	580.5	562.8	17.74	32.728			
3,700.0	3,694.5	3,654.2	3,649.0	5.2	13.2	28.91	461.0	-493.6	579.0	560.8	18.20	31.821			
3,800.0	3,794.0	3,753.4	3,747.7	5.3	13.6	30.10	471.4	-493.6	577.8	559.1	18.65	30.971			
3,900.0	3,893.4	3,852.7	3,846.4	5.4	13.9	31.29	481.8	-493.6	576.7	557.6	19.11	30.174			
4,000.0	3,992.9	3,952.0	3,945.1	5.4	14.3	32.49	492.1	-493.7	576.0	556.4	19.57	29.428			
4,100.0	4,092.3	4,051.2	4,043.8	5.5	14.6	33.69	502.5	-493.7	575.5	555.4	20.03	28.729			
4,200.0	4,191.8	4,150.5	4,142.5	5.6	15.0	34.89	512.9	-493.8	575.2	554.7	20.49	28.074			
4,246.3	4,237.8	4,196.5	4,188.3	5.7	15.1	35.44	517.7	-493.8	575.2	554.5	20.70	27.786			
4,300.0	4,291.2	4,249.7	4,241.3	5.7	15.3	36.09	523.3	-493.8	575.2	554.3	20.95	27.462			
4,400.0	4,390.7	4,349.0	4,340.0	5.8	15.7	37.29	533.6	-493.9	575.5	554.1	21.40	26.888			
4,500.0	4,490.1	4,448.3	4,438.7	5.9	16.0	38.49	544.0	-493.9	576.0	554.2	21.86	26.351			
4,600.0	4,589.6	4,547.5	4,537.4	6.0	16.4	39.68	554.4	-494.0	576.8	554.5	22.31	25.849			
4,700.0	4,689.0	4,646.8	4,636.1	6.1	16.7	40.88	564.8	-494.0	577.8	555.1	22.77	25.380			
4,800.0	4,788.5	4,746.0	4,734.8	6.2	17.1	42.06	575.1	-494.1	579.1	555.9	23.22	24.941			
4,900.0	4,887.9	4,845.3	4,833.6	6.3	17.4	43.24	585.5	-494.1	580.7	557.0	23.67	24.531			
5,000.0	4,987.4	4,944.6	4,932.3	6.4	17.8	44.42	595.9	-494.1	582.4	558.3	24.12	24.148			

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #15H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,100.0	5,086.9	5,043.8	5,031.0	6.5	18.1	45.59	606.3	-494.2	584.5	559.9	24.57	23.791		
5,200.0	5,186.3	5,143.1	5,129.7	6.6	18.5	46.75	616.7	-494.2	586.8	561.7	25.01	23.458		
5,300.0	5,285.8	5,242.3	5,228.4	6.7	18.8	47.90	627.0	-494.3	589.3	563.8	25.46	23.147		
5,400.0	5,385.2	5,341.6	5,327.1	6.8	19.2	49.04	637.4	-494.3	592.0	566.1	25.90	22.858		
5,500.0	5,484.7	5,440.9	5,425.8	6.9	19.5	50.17	647.8	-494.4	595.0	568.7	26.34	22.588		
5,600.0	5,584.1	5,540.1	5,524.6	7.0	19.9	51.28	658.2	-494.4	598.2	571.5	26.78	22.337		
5,700.0	5,683.6	5,639.4	5,623.3	7.1	20.3	52.39	668.5	-494.5	601.7	574.5	27.22	22.103		
5,800.0	5,783.0	5,738.6	5,722.0	7.2	20.6	53.48	678.9	-494.5	605.4	577.7	27.66	21.886		
5,900.0	5,882.5	5,837.9	5,820.7	7.3	21.0	54.56	689.3	-494.6	609.3	581.2	28.10	21.685		
6,000.0	5,981.9	5,937.2	5,919.4	7.4	21.3	55.62	699.7	-494.6	613.4	584.8	28.53	21.498		
6,100.0	6,081.4	6,036.8	6,018.8	7.5	21.9	56.70	705.0	-494.6	609.7	580.5	29.17	20.903		
6,200.0	6,180.8	6,136.2	6,118.2	7.7	22.2	57.90	705.0	-494.6	604.0	574.4	29.60	20.409		
6,300.0	6,280.3	6,235.7	6,217.7	7.8	22.6	58.74	705.0	-494.6	598.5	568.5	30.03	19.934		
6,406.5	6,386.2	6,403.6	6,385.6	7.9	23.0	59.66	705.0	-494.6	592.8	562.3	30.48	19.448		
6,500.0	6,479.3	6,496.7	6,478.7	8.0	23.3	60.38	705.0	-494.6	588.3	557.4	30.88	19.050		
6,600.0	6,578.9	6,596.4	6,578.3	8.1	23.7	61.02	705.0	-494.6	584.4	553.1	31.31	18.666		
6,700.0	6,678.7	6,696.2	6,678.1	8.2	24.0	61.53	705.0	-494.6	581.4	549.6	31.73	18.320		
6,800.0	6,778.6	6,796.1	6,778.0	8.3	24.4	61.90	705.0	-494.6	579.3	547.1	32.16	18.014		
6,900.0	6,878.6	6,896.0	6,878.0	8.4	24.7	62.13	705.0	-494.6	578.0	545.4	32.58	17.741		
7,006.5	6,985.1	7,002.5	6,984.5	8.5	25.1	-9.23	705.0	-494.6	577.5	544.5	33.05	17.474		
7,100.0	7,078.6	7,096.0	7,078.0	8.6	25.4	-9.23	705.0	-494.6	577.5	544.0	33.48	17.247		
7,200.0	7,178.6	7,196.0	7,178.0	8.7	25.8	-9.23	705.0	-494.6	577.5	543.6	33.95	17.010		
7,300.0	7,278.6	7,296.0	7,278.0	8.8	26.1	-9.23	705.0	-494.6	577.5	543.1	34.42	16.780		
7,400.0	7,378.6	7,396.0	7,378.0	8.9	26.5	-9.23	705.0	-494.6	577.5	542.6	34.88	16.555		
7,500.0	7,478.6	7,496.0	7,478.0	9.0	26.8	-9.23	705.0	-494.6	577.5	542.2	35.35	16.336		
7,600.0	7,578.6	7,596.0	7,578.0	9.2	27.2	-9.23	705.0	-494.6	577.5	541.7	35.82	16.123		
7,700.0	7,678.6	7,696.0	7,678.0	9.3	27.5	-9.23	705.0	-494.6	577.5	541.2	36.29	15.915		
7,800.0	7,778.6	7,796.0	7,778.0	9.4	27.9	-9.23	705.0	-494.6	577.5	540.8	36.76	15.712		
7,900.0	7,878.6	7,896.0	7,878.0	9.5	28.3	-9.23	705.0	-494.6	577.5	540.3	37.23	15.513		
8,000.0	7,978.6	7,996.0	7,978.0	9.6	28.6	-9.23	705.0	-494.6	577.5	539.8	37.70	15.320		
8,100.0	8,078.6	8,096.0	8,078.0	9.7	29.0	-9.23	705.0	-494.6	577.5	539.3	38.17	15.131		
8,200.0	8,178.6	8,196.0	8,178.0	9.8	29.3	-9.23	705.0	-494.6	577.5	538.9	38.64	14.946		
8,300.0	8,278.6	8,296.0	8,278.0	9.9	29.7	-9.23	705.0	-494.6	577.5	538.4	39.11	14.766		
8,400.0	8,378.6	8,396.0	8,378.0	10.0	30.0	-9.23	705.0	-494.6	577.5	537.9	39.58	14.590		
8,500.0	8,478.6	8,496.0	8,478.0	10.1	30.4	-9.23	705.0	-494.6	577.5	537.5	40.06	14.418		
8,600.0	8,578.6	8,596.0	8,578.0	10.2	30.7	-9.23	705.0	-494.6	577.5	537.0	40.53	14.249		
8,700.0	8,678.6	8,696.0	8,678.0	10.3	31.1	-9.23	705.0	-494.6	577.5	536.5	41.00	14.085		
8,800.0	8,778.6	8,796.0	8,778.0	10.4	31.4	-9.23	705.0	-494.6	577.5	536.0	41.48	13.924		
8,900.0	8,878.6	8,896.0	8,878.0	10.6	31.8	-9.23	705.0	-494.6	577.5	535.6	41.95	13.767		
9,000.0	8,978.6	8,996.0	8,978.0	10.7	32.2	-9.23	705.0	-494.6	577.5	535.1	42.43	13.613		
9,100.0	9,078.6	9,096.0	9,078.0	10.8	32.5	-9.23	705.0	-494.6	577.5	534.6	42.90	13.462		
9,200.0	9,178.6	9,196.0	9,178.0	10.9	32.9	-9.23	705.0	-494.6	577.5	534.1	43.38	13.314		
9,300.0	9,278.6	9,296.0	9,278.0	11.0	33.2	-9.23	705.0	-494.6	577.5	533.7	43.85	13.170		
9,400.0	9,378.6	9,396.0	9,378.0	11.1	33.6	-9.23	705.0	-494.6	577.5	533.2	44.33	13.029		
9,500.0	9,478.6	9,496.0	9,478.0	11.2	33.9	-9.23	705.0	-494.6	577.5	532.7	44.80	12.890		
9,600.0	9,578.6	9,596.0	9,578.0	11.3	34.3	-9.23	705.0	-494.6	577.5	532.2	45.28	12.755		
9,700.0	9,678.6	10,608.4	10,225.0	11.5	36.3	-90.17	134.7	-492.9	554.5	516.1	38.36	14.455		
9,800.0	9,778.6	10,608.4	10,225.0	11.6	36.3	-90.17	134.7	-492.9	456.1	417.2	38.87	11.734		
9,900.0	9,878.6	10,608.4	10,225.0	11.7	36.3	-90.17	134.7	-492.9	358.7	319.1	39.56	9.068		
10,000.0	9,978.6	10,608.4	10,225.0	11.8	36.3	-90.17	134.7	-492.9	263.2	222.5	40.64	6.475		
10,100.0	10,078.6	10,608.4	10,225.0	11.9	36.3	-90.17	134.7	-492.9	172.8	130.0	42.75	4.042		
10,200.0	10,178.6	10,608.4	10,225.0	12.0	36.3	-90.17	134.7	-492.9	102.3	56.5	45.85	2.231		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #15H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,247.0	10,225.6	10,608.4	10,225.0	12.1	36.3	-90.17	134.7	-492.9	90.9	45.6	45.29	2.007	CC, ES, SF
10,300.0	10,278.6	10,608.4	10,225.0	12.1	36.3	-90.17	134.7	-492.9	105.2	60.0	45.23	2.327	
10,400.0	10,378.6	10,608.4	10,225.0	12.3	36.3	-90.17	134.7	-492.9	178.0	135.1	42.89	4.150	
10,500.0	10,478.6	10,608.4	10,225.0	12.4	36.3	-90.17	134.7	-492.9	268.9	227.1	41.72	6.445	
10,600.0	10,578.6	10,608.4	10,225.0	12.5	36.3	-90.17	134.7	-492.9	364.5	323.1	41.42	8.801	
10,700.0	10,678.6	10,608.4	10,225.0	12.6	36.3	-90.17	134.7	-492.9	462.1	420.6	41.46	11.145	
10,800.0	10,778.6	10,608.4	10,225.0	12.7	36.3	-90.18	134.7	-492.9	560.5	518.8	41.64	13.461	
10,900.0	10,878.6	10,608.4	10,225.0	12.8	36.3	-90.18	134.7	-492.9	659.3	617.4	41.88	15.743	
11,000.0	10,978.6	10,608.4	10,225.0	13.0	36.3	-90.18	134.7	-492.9	758.5	716.3	42.16	17.990	
11,100.0	11,078.6	10,608.4	10,225.0	13.1	36.3	-90.18	134.7	-492.9	857.9	815.4	42.47	20.201	
11,200.0	11,178.6	10,608.4	10,225.0	13.2	36.3	-90.18	134.7	-492.9	957.4	914.6	42.79	22.376	

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #16H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9797-MWD+IFR1+FDIR								Rule Assigned:					Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-52.26	356.2	-460.1	581.9	581.9	575.9	6.00	96.977	
100.0	100.0	98.7	98.7	3.0	3.0	-52.26	356.2	-460.1	581.9	581.9	575.9	6.01	96.890	
200.0	200.0	198.7	198.7	3.0	3.0	-52.26	356.2	-460.1	581.9	581.9	575.9	6.02	96.701	
300.0	300.0	298.7	298.7	3.0	3.0	-52.26	356.2	-460.1	581.9	581.9	575.9	6.04	96.412	
400.0	400.0	398.7	398.7	3.0	3.0	-52.26	356.2	-460.1	581.9	581.9	575.9	6.06	96.025	
500.0	500.0	498.7	498.7	3.1	3.1	-52.26	356.2	-460.1	581.9	581.9	575.8	6.09	95.544	
600.0	600.0	598.7	598.7	3.1	3.1	-52.26	356.2	-460.1	581.9	581.9	575.8	6.13	94.973	
700.0	700.0	698.7	698.7	3.1	3.1	-52.26	356.2	-460.1	581.9	581.9	575.8	6.17	94.318	
800.0	800.0	798.7	798.7	3.2	3.2	-52.26	356.2	-460.1	581.9	581.9	575.7	6.22	93.583	
900.0	900.0	898.7	898.7	3.2	3.2	-52.26	356.2	-460.1	581.9	581.9	575.6	6.27	92.775	
1,000.0	1,000.0	998.7	998.7	3.2	3.2	-52.26	356.2	-460.1	581.9	581.9	575.6	6.33	91.899	
1,100.0	1,100.0	1,098.7	1,098.7	3.3	3.3	-52.26	356.2	-460.1	581.9	581.9	575.6	6.40	90.963	
1,200.0	1,200.0	1,198.7	1,198.7	3.4	3.4	-52.26	356.2	-460.1	581.9	581.9	575.5	6.47	89.973	
1,300.0	1,300.0	1,298.7	1,298.7	3.4	3.4	-52.26	356.2	-460.1	581.9	581.9	575.4	6.54	88.934	
1,400.0	1,400.0	1,398.7	1,398.7	3.5	3.5	-52.26	356.2	-460.1	581.9	581.9	575.3	6.62	87.854	
1,500.0	1,500.0	1,498.7	1,498.7	3.5	3.5	-52.26	356.2	-460.1	581.9	581.9	575.3	6.71	86.739	
1,600.0	1,600.0	1,598.7	1,598.7	3.6	3.6	-52.26	356.2	-460.1	581.9	581.9	575.2	6.80	85.594	
1,700.0	1,700.0	1,698.7	1,698.7	3.7	3.7	-52.26	356.2	-460.1	581.9	581.9	575.1	6.89	84.426	
1,800.0	1,800.0	1,798.7	1,798.7	3.8	3.8	-52.26	356.2	-460.1	581.9	581.9	575.0	6.99	83.238	
1,900.0	1,900.0	1,898.7	1,898.7	3.9	3.9	-52.26	356.2	-460.1	581.9	581.9	574.9	7.09	82.037	
2,000.0	2,000.0	1,998.7	1,998.7	3.9	3.9	-52.26	356.2	-460.1	581.9	581.9	574.8	7.20	80.827	
2,100.0	2,100.0	2,098.7	2,098.7	4.0	4.0	-52.26	356.2	-460.1	581.9	581.9	574.7	7.31	79.612	
2,200.0	2,200.0	2,198.7	2,198.7	4.1	4.1	-52.26	356.2	-460.1	581.9	581.9	574.6	7.42	78.395	
2,300.0	2,300.0	2,298.7	2,298.7	4.2	4.2	-52.26	356.2	-460.1	581.9	581.9	574.5	7.54	77.181	
2,400.0	2,400.0	2,398.7	2,398.7	4.3	4.3	-52.26	356.2	-460.1	581.9	581.9	574.4	7.66	75.972	
2,500.0	2,500.0	2,498.7	2,498.7	4.4	4.4	-52.26	356.2	-460.1	581.9	581.9	574.2	7.76	74.555	
2,600.0	2,600.0	2,620.8	2,620.8	4.5	4.5	19.38	355.6	-457.7	578.4	570.6	570.6	7.84	72.438	
2,700.0	2,699.8	2,742.1	2,741.9	4.5	4.5	19.99	353.9	-450.2	567.7	559.9	559.9	7.94	69.496	
2,800.0	2,799.5	2,842.4	2,841.7	4.6	4.5	20.82	351.9	-441.6	551.7	543.7	543.7	8.05	66.374	
2,900.0	2,898.9	2,940.5	2,939.5	4.6	4.5	21.63	350.0	-433.2	534.1	526.1	526.1	8.16	63.298	
3,000.0	2,998.4	3,038.7	3,037.3	4.7	4.5	22.50	348.0	-424.8	516.7	508.5	508.5	8.28	60.276	
3,100.0	3,097.8	3,136.8	3,135.0	4.8	4.6	23.42	346.1	-416.4	499.4	491.1	491.1	8.41	57.318	
3,200.0	3,197.3	3,235.0	3,232.8	4.8	4.6	24.42	344.2	-408.0	482.2	473.8	473.8	8.55	54.428	
3,300.0	3,296.7	3,333.2	3,330.6	4.9	4.7	25.48	342.2	-399.6	465.1	456.6	456.6	8.68	51.615	
3,400.0	3,396.2	3,431.3	3,428.4	5.0	4.7	26.62	340.3	-391.2	448.3	439.6	439.6	8.83	48.884	
3,500.0	3,495.6	3,529.5	3,526.1	5.0	4.7	27.86	338.3	-382.8	431.6	422.8	422.8	8.98	46.239	
3,600.0	3,595.1	3,627.6	3,623.9	5.1	4.8	29.19	336.4	-374.4	415.1	406.2	406.2	9.13	43.686	
3,700.0	3,694.5	3,725.8	3,721.7	5.2	4.8	30.62	334.5	-366.0	398.9	389.8	389.8	9.29	41.229	
3,800.0	3,794.0	3,823.9	3,819.4	5.3	4.9	32.18	332.5	-357.6	382.9	373.7	373.7	9.45	38.871	
3,900.0	3,893.4	3,922.1	3,917.2	5.4	5.0	33.87	330.6	-349.2	367.3	357.8	357.8	9.61	36.617	
4,000.0	3,992.9	4,020.2	4,015.0	5.4	5.0	35.71	328.6	-340.8	352.0	342.4	342.4	9.78	34.470	
4,100.0	4,092.3	4,118.4	4,112.8	5.5	5.1	37.71	326.7	-332.4	337.1	327.3	327.3	9.95	32.435	
4,200.0	4,191.8	4,216.5	4,210.5	5.6	5.1	39.88	324.8	-324.0	322.6	312.6	312.6	10.11	30.516	
4,300.0	4,291.2	4,314.7	4,308.3	5.7	5.2	42.26	322.8	-315.6	308.6	298.5	298.5	10.28	28.718	
4,400.0	4,390.7	4,412.8	4,406.1	5.8	5.3	44.85	320.9	-307.2	295.2	284.9	284.9	10.44	27.046	
4,500.0	4,490.1	4,511.0	4,503.9	5.9	5.4	47.68	319.0	-298.7	282.5	272.0	272.0	10.61	25.505	
4,600.0	4,589.6	4,609.1	4,601.6	6.0	5.4	50.76	317.0	-290.3	270.5	259.9	259.9	10.76	24.102	
4,700.0	4,689.0	4,707.3	4,699.4	6.1	5.5	54.10	315.1	-281.9	259.4	248.6	248.6	10.91	22.843	
4,800.0	4,788.5	4,805.5	4,797.2	6.2	5.6	57.73	313.1	-273.5	249.2	238.3	238.3	11.05	21.736	
4,900.0	4,887.9	4,903.6	4,895.0	6.3	5.7	61.64	311.2	-265.1	240.2	229.1	229.1	11.18	20.786	
5,000.0	4,987.4	5,001.8	4,992.7	6.4	5.8	65.82	309.3	-256.7	232.4	221.2	221.2	11.30	20.000	
5,100.0	5,086.9	5,099.9	5,090.5	6.5	5.8	70.26	307.3	-248.3	225.9	214.6	214.6			

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #16H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9797-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,200.0	5,186.3	5,198.1	5,188.3	6.6	5.9	74.92	305.4	-239.9	220.9	209.5	11.40	19.381		
5,300.0	5,285.8	5,296.2	5,286.1	6.7	6.0	79.75	303.4	-231.5	217.5	206.0	11.49	18.930		
5,400.0	5,385.2	5,394.4	5,383.8	6.8	6.1	84.70	301.5	-223.1	215.7	204.2	11.57	18.644		
5,455.0	5,439.9	5,448.3	5,437.6	6.8	6.2	87.44	300.4	-218.5	215.5	203.9	11.61	18.554 CC, ES		
5,500.0	5,484.7	5,492.5	5,481.6	6.9	6.2	89.69	299.6	-214.7	215.6	204.0	11.65	18.515 SF		
5,600.0	5,584.1	5,590.7	5,579.4	7.0	6.3	94.65	297.6	-206.3	217.2	205.5	11.72	18.529		
5,700.0	5,683.6	5,688.8	5,677.1	7.1	6.4	99.50	295.7	-197.9	220.5	208.7	11.81	18.671		
5,800.0	5,783.0	5,787.0	5,774.9	7.2	6.5	104.18	293.7	-189.5	225.3	213.4	11.91	18.922		
5,900.0	5,882.5	5,885.1	5,872.7	7.3	6.6	108.64	291.8	-181.1	231.7	219.6	12.03	19.262		
6,000.0	5,981.9	5,983.3	5,970.5	7.4	6.7	112.85	289.9	-172.7	239.4	227.2	12.17	19.673		
6,100.0	6,081.4	6,081.4	6,068.2	7.5	6.8	116.78	287.9	-164.3	248.3	236.0	12.33	20.140		
6,200.0	6,180.8	6,179.6	6,166.0	7.7	6.9	120.44	286.0	-155.9	258.3	245.8	12.51	20.650		
6,300.0	6,280.3	6,277.8	6,263.8	7.8	7.0	123.81	284.1	-147.5	269.4	256.7	12.71	21.192		
6,406.5	6,386.2	6,382.3	6,367.9	7.9	7.1	127.11	282.0	-138.5	282.1	269.1	12.94	21.798		
6,500.0	6,479.3	6,474.2	6,459.5	8.0	7.2	129.75	280.2	-130.7	293.4	280.3	13.15	22.316		
6,600.0	6,578.9	6,572.8	6,557.7	8.1	7.3	132.12	278.2	-122.2	305.1	291.7	13.37	22.809		
6,700.0	6,678.7	6,671.7	6,656.2	8.2	7.4	134.09	276.3	-113.7	316.0	302.4	13.60	23.232		
6,800.0	6,778.6	6,770.8	6,754.9	8.3	7.5	135.72	274.3	-105.3	325.9	312.1	13.82	23.583		
6,900.0	6,878.6	6,870.1	6,853.9	8.4	7.6	137.04	272.4	-96.8	334.8	320.8	14.04	23.855		
7,006.5	6,985.1	6,976.1	6,959.5	8.5	7.7	138.02	270.3	-87.7	343.1	328.8	14.24	24.090		
7,100.0	7,078.6	7,069.3	7,052.2	8.6	7.8	139.51	268.4	-79.7	349.7	335.3	14.40	24.289		
7,200.0	7,178.6	7,168.9	7,151.5	8.7	7.9	140.83	266.5	-71.2	356.9	342.4	14.57	24.500		
7,300.0	7,278.6	7,268.5	7,250.7	8.8	8.0	141.92	264.5	-62.6	364.2	349.5	14.74	24.709		
7,400.0	7,378.6	7,368.1	7,349.9	8.9	8.1	142.87	262.5	-54.1	371.5	356.6	14.91	24.916		
7,500.0	7,478.6	7,467.7	7,449.2	9.0	8.2	143.59	260.6	-45.6	378.9	363.8	15.08	25.121		
7,600.0	7,578.6	7,567.3	7,548.4	9.2	8.3	144.09	258.6	-37.1	386.4	371.1	15.26	25.323		
7,700.0	7,678.6	7,666.9	7,647.6	9.3	8.5	144.36	256.6	-28.5	393.9	378.5	15.43	25.523		
7,800.0	7,778.6	7,766.6	7,746.8	9.4	8.6	144.51	254.6	-20.0	401.5	385.8	15.61	25.720		
7,900.0	7,878.6	7,866.2	7,846.1	9.5	8.7	144.57	252.7	-11.5	409.1	393.3	15.78	25.915		
8,000.0	7,978.6	7,965.8	7,945.3	9.6	8.8	144.55	250.7	-2.9	416.7	400.8	15.96	26.107		
8,100.0	8,078.6	8,065.4	8,044.5	9.7	8.9	144.41	248.7	5.6	424.4	408.3	16.14	26.296		
8,200.0	8,178.6	8,165.0	8,143.7	9.8	9.0	144.16	246.8	14.1	432.2	415.9	16.32	26.483		
8,300.0	8,278.6	8,264.6	8,243.0	9.9	9.1	143.80	244.8	22.6	440.0	423.5	16.50	26.666		
8,400.0	8,378.6	8,364.2	8,342.2	10.0	9.3	143.25	242.8	31.2	447.8	431.1	16.68	26.847		
8,500.0	8,478.6	8,463.9	8,441.4	10.1	9.4	142.52	240.9	39.7	455.6	438.8	16.86	27.025		
8,600.0	8,578.6	8,563.5	8,540.7	10.2	9.5	141.63	238.9	48.2	463.5	446.5	17.04	27.200		
8,700.0	8,678.6	8,663.1	8,639.9	10.3	9.6	140.59	236.9	56.8	471.4	454.2	17.22	27.372		
8,800.0	8,778.6	8,762.7	8,739.1	10.4	9.7	139.42	235.0	65.3	479.4	462.0	17.41	27.541		
8,900.0	8,878.6	8,862.3	8,838.3	10.6	9.8	138.03	233.0	73.8	487.4	469.8	17.59	27.707		
9,000.0	8,978.6	8,961.9	8,937.6	10.7	10.0	136.43	231.0	82.4	495.4	477.6	17.77	27.871		
9,100.0	9,078.6	9,061.5	9,036.8	10.8	10.1	134.63	229.1	90.9	503.4	485.4	17.96	28.031		
9,200.0	9,178.6	9,161.1	9,136.0	10.9	10.2	132.63	227.1	99.4	511.5	493.3	18.14	28.189		
9,300.0	9,278.6	9,260.8	9,235.3	11.0	10.3	130.43	225.1	107.9	519.5	501.2	18.33	28.345		
9,400.0	9,378.6	9,360.4	9,334.5	11.1	10.4	128.03	223.2	116.5	527.6	509.1	18.52	28.497		
9,500.0	9,478.6	9,460.0	9,433.7	11.2	10.6	125.43	221.2	125.0	535.8	517.1	18.70	28.647		
9,600.0	9,578.6	9,559.6	9,532.9	11.3	10.7	122.63	219.2	133.5	543.9	525.0	18.89	28.794		
9,700.0	9,678.6	9,659.2	9,632.2	11.5	10.8	119.63	217.3	142.1	552.1	533.0	19.08	28.939		
9,800.0	9,778.6	9,758.8	9,731.4	11.6	10.9	116.43	215.3	150.6	560.3	541.0	19.27	29.081		
9,900.0	9,878.6	9,850.0	9,822.0	11.7	11.0	113.03	210.7	159.2	569.0	549.5	19.45	29.249		
10,000.0	9,978.6	9,929.8	9,899.2	11.8	11.0	109.43	194.3	170.2	580.5	560.7	19.78	29.346		
10,100.0	10,078.6	10,000.0	9,963.8	11.9	11.0	105.63	169.8	182.5	596.4	576.1	20.38	29.267		
10,200.0	10,178.6	10,065.1	10,019.5	12.0	11.1	101.63	139.1	195.9	618.4	597.2	21.27	29.080		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 BS #16H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9797-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance Between Centres		Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)			
10,300.0	10,278.6	10,118.3	10,061.4	12.1	11.1	92.46	108.7	208.2	647.8	625.2	22.55	28.728		
10,400.0	10,378.6	10,162.9	10,093.5	12.3	11.1	95.07	79.9	219.2	685.2	661.0	24.13	28.391		
10,500.0	10,478.6	10,200.0	10,118.0	12.4	11.2	97.34	53.7	228.8	730.5	704.6	25.89	28.215		
10,600.0	10,578.6	10,231.5	10,137.0	12.5	11.2	99.32	30.1	237.3	783.3	755.6	27.68	28.298		
10,700.0	10,678.6	10,257.9	10,151.7	12.6	11.3	101.00	9.3	244.5	842.6	813.2	29.41	28.653		
10,800.0	10,778.6	10,275.0	10,160.5	12.7	11.3	102.09	-4.5	249.3	907.8	876.7	31.09	29.200		
10,900.0	10,878.6	10,300.0	10,172.4	12.8	11.3	103.69	-25.3	256.3	977.7	945.2	32.48	30.097		

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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=31' @ 3173.1usft (N 894)

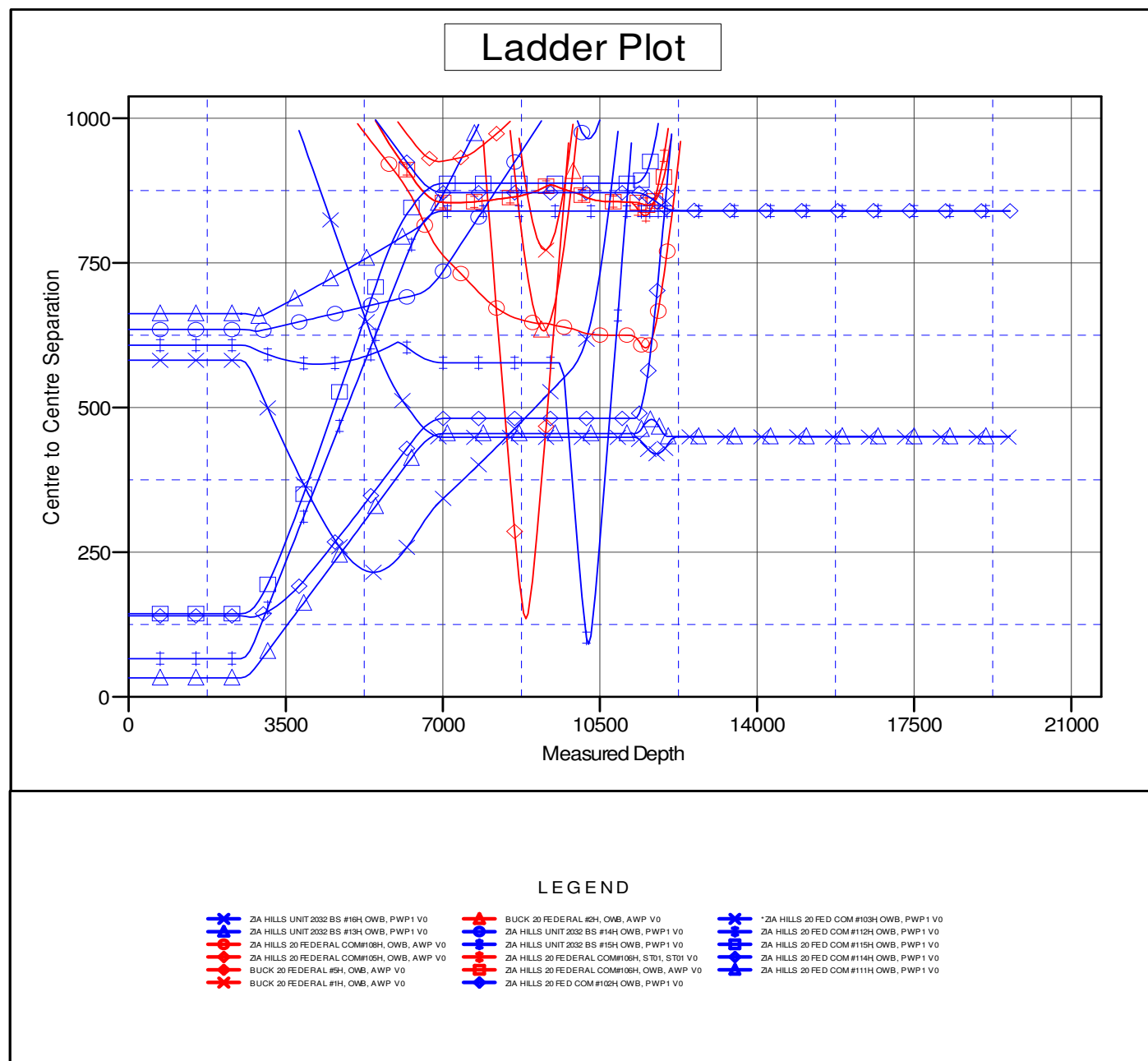
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS 20 FED COM #110H

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

Grid Convergence at Surface is: 0.34°



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 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Reference Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS 20 FED COM #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=31' @ 3173.1usft (N 894)

Offset Depths are relative to Offset Datum

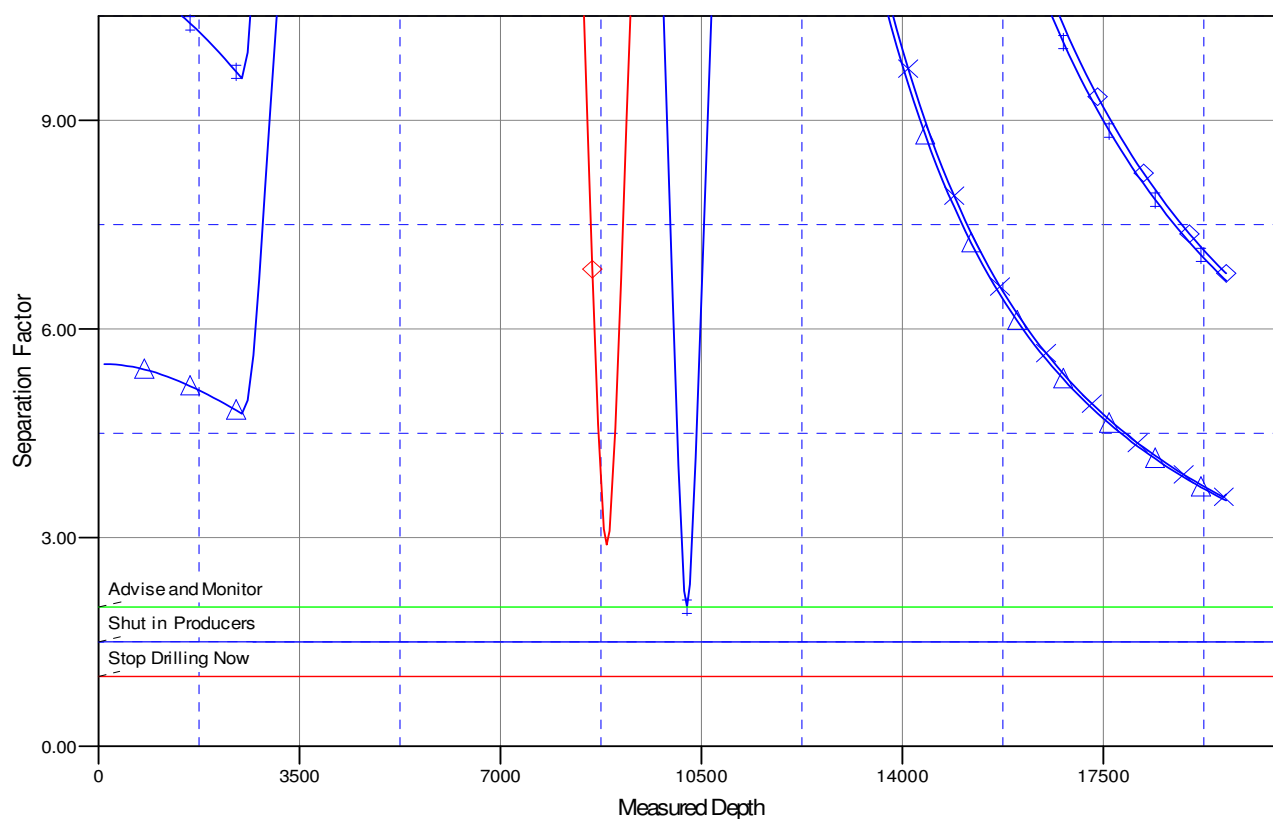
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS 20 FED COM #110H

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

Grid Convergence at Surface is: 0.34°

Separation Factor Plot



LEGEND

ZIA HILLS UNIT 2022 BS #16H OWB, PWP1 V0	BUCK 20 FEDERAL #2H, OWB, AWP V0	ZIA HILLS 20 FED COM #103H OWB, PWP1 V0
ZIA HILLS UNIT 2022 BS #13H OWB, PWP1 V0	ZIA HILLS UNIT 2022 BS #14H OWB, PWP1 V0	ZIA HILLS 20 FED COM #112H OWB, PWP1 V0
ZIA HILLS 20 FEDERAL COM #106H, OWB, AWP V0	ZIA HILLS UNIT 2022 BS #15H OWB, PWP1 V0	ZIA HILLS 20 FED COM #115H OWB, PWP1 V0
ZIA HILLS 20 FEDERAL COM #105H, OWB, AWP V0	ZIA HILLS 20 FEDERAL COM #106H, STD1, STD1 V0	ZIA HILLS 20 FED COM #114H OWB, PWP1 V0
BUCK 20 FEDERAL #5H, OWB, AWP V0	ZIA HILLS 20 FEDERAL COM #106H, OWB, AWP V0	ZIA HILLS 20 FED COM #111H OWB, PWP1 V0
BUCK 20 FEDERAL #1H, OWB, AWP V0	ZIA HILLS 20 FED COM #102H OWB, PWP1 V0	

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS 20 FED COM PROJECT

ZIA HILLS 20 FED COM #110H

OWB

Plan: PWP1

Standard Survey Report

05 April, 2022

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Well:	ZIA HILLS 20 FED COM #110H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Project	LEA PROSPECT (NM-E)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	ZIA HILLS 20 FED COM PROJECT		
Site Position:		Northing:	377,211.94 usft
From:	Map	Easting:	699,941.21 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 7.543 N
		Longitude:	103° 41' 17.190 W
		Grid Convergence:	0.34 °

Well	ZIA HILLS 20 FED COM #110H		
Well Position	+N/-S	0.0 usft	Northing: 374,269.89 usft
	+E/-W	0.0 usft	Easting: 699,187.22 usft
Position Uncertainty	3.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 1' 38.472 N
		Longitude:	103° 41' 26.153 W
		Ground Level:	3,142.1 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2021	2/17/2022	6.46	59.59	47,443.03063841

Design	PWP1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	356.85

Survey Tool Program	Date	4/4/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	11,275.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
11,275.0	19,638.6	PWP1 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

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

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Well:	ZIA HILLS 20 FED COM #110H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,600.0	2.00	288.56	2,600.0	0.6	-1.7	0.6	2.00	2.00	0.00
2,700.0	4.00	288.56	2,699.8	2.2	-6.6	2.6	2.00	2.00	0.00
2,800.0	6.00	288.56	2,799.5	5.0	-14.9	5.8	2.00	2.00	0.00
Start 3606.5 hold at 2800.0 MD									
2,900.0	6.00	288.56	2,898.9	8.3	-24.8	9.7	0.00	0.00	0.00
3,000.0	6.00	288.56	2,998.4	11.7	-34.7	13.5	0.00	0.00	0.00
3,100.0	6.00	288.56	3,097.8	15.0	-44.6	17.4	0.00	0.00	0.00
3,200.0	6.00	288.56	3,197.3	18.3	-54.5	21.3	0.00	0.00	0.00
3,300.0	6.00	288.56	3,296.7	21.6	-64.4	25.1	0.00	0.00	0.00
3,400.0	6.00	288.56	3,396.2	25.0	-74.3	29.0	0.00	0.00	0.00
3,500.0	6.00	288.56	3,495.6	28.3	-84.2	32.9	0.00	0.00	0.00
3,600.0	6.00	288.56	3,595.1	31.6	-94.1	36.8	0.00	0.00	0.00
3,700.0	6.00	288.56	3,694.5	34.9	-104.1	40.6	0.00	0.00	0.00
3,800.0	6.00	288.56	3,794.0	38.3	-114.0	44.5	0.00	0.00	0.00
3,900.0	6.00	288.56	3,893.4	41.6	-123.9	48.4	0.00	0.00	0.00
4,000.0	6.00	288.56	3,992.9	44.9	-133.8	52.2	0.00	0.00	0.00
4,100.0	6.00	288.56	4,092.3	48.3	-143.7	56.1	0.00	0.00	0.00
4,200.0	6.00	288.56	4,191.8	51.6	-153.6	60.0	0.00	0.00	0.00
4,300.0	6.00	288.56	4,291.2	54.9	-163.5	63.8	0.00	0.00	0.00
4,400.0	6.00	288.56	4,390.7	58.2	-173.4	67.7	0.00	0.00	0.00
4,500.0	6.00	288.56	4,490.1	61.6	-183.3	71.6	0.00	0.00	0.00
4,600.0	6.00	288.56	4,589.6	64.9	-193.2	75.4	0.00	0.00	0.00
4,700.0	6.00	288.56	4,689.0	68.2	-203.1	79.3	0.00	0.00	0.00
4,800.0	6.00	288.56	4,788.5	71.5	-213.1	83.2	0.00	0.00	0.00
4,900.0	6.00	288.56	4,887.9	74.9	-223.0	87.0	0.00	0.00	0.00
5,000.0	6.00	288.56	4,987.4	78.2	-232.9	90.9	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Well:	ZIA HILLS 20 FED COM #110H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.0	6.00	288.56	5,086.9	81.5	-242.8	94.8	0.00	0.00	0.00	
5,200.0	6.00	288.56	5,186.3	84.9	-252.7	98.6	0.00	0.00	0.00	
5,300.0	6.00	288.56	5,285.8	88.2	-262.6	102.5	0.00	0.00	0.00	
5,400.0	6.00	288.56	5,385.2	91.5	-272.5	106.4	0.00	0.00	0.00	
5,500.0	6.00	288.56	5,484.7	94.8	-282.4	110.2	0.00	0.00	0.00	
5,600.0	6.00	288.56	5,584.1	98.2	-292.3	114.1	0.00	0.00	0.00	
5,700.0	6.00	288.56	5,683.6	101.5	-302.2	118.0	0.00	0.00	0.00	
5,800.0	6.00	288.56	5,783.0	104.8	-312.1	121.8	0.00	0.00	0.00	
5,900.0	6.00	288.56	5,882.5	108.2	-322.1	125.7	0.00	0.00	0.00	
6,000.0	6.00	288.56	5,981.9	111.5	-332.0	129.6	0.00	0.00	0.00	
6,100.0	6.00	288.56	6,081.4	114.8	-341.9	133.4	0.00	0.00	0.00	
6,200.0	6.00	288.56	6,180.8	118.1	-351.8	137.3	0.00	0.00	0.00	
6,300.0	6.00	288.56	6,280.3	121.5	-361.7	141.2	0.00	0.00	0.00	
6,400.0	6.00	288.56	6,379.7	124.8	-371.6	145.1	0.00	0.00	0.00	
6,406.5	6.00	288.56	6,386.2	125.0	-372.2	145.3	0.00	0.00	0.00	
Start Drop -1.00										
6,500.0	5.06	288.56	6,479.3	127.9	-380.8	148.6	1.00	-1.00	0.00	
6,600.0	4.06	288.56	6,578.9	130.4	-388.3	151.6	1.00	-1.00	0.00	
6,700.0	3.06	288.56	6,678.7	132.4	-394.2	153.9	1.00	-1.00	0.00	
6,800.0	2.06	288.56	6,778.6	133.8	-398.5	155.5	1.00	-1.00	0.00	
6,900.0	1.06	288.56	6,878.6	134.7	-401.1	156.6	1.00	-1.00	0.00	
7,000.0	0.06	288.56	6,978.6	135.0	-402.0	156.9	1.00	-1.00	0.00	
7,006.5	0.00	0.00	6,985.1	135.0	-402.0	156.9	1.00	-1.00	1,099.43	
Start 4269.4 hold at 7006.5 MD										
7,100.0	0.00	0.00	7,078.6	135.0	-402.0	156.9	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,178.6	135.0	-402.0	156.9	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,278.6	135.0	-402.0	156.9	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,378.6	135.0	-402.0	156.9	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,478.6	135.0	-402.0	156.9	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,578.6	135.0	-402.0	156.9	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,678.6	135.0	-402.0	156.9	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,778.6	135.0	-402.0	156.9	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,878.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,978.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,078.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,178.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,278.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,378.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,478.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,578.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,678.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,778.6	135.0	-402.0	156.9	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,878.6	135.0	-402.0	156.9	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,978.6	135.0	-402.0	156.9	0.00	0.00	0.00	

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Well:	ZIA HILLS 20 FED COM #110H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,100.0	0.00	0.00	9,078.6	135.0	-402.0	156.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,178.6	135.0	-402.0	156.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,278.6	135.0	-402.0	156.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,378.6	135.0	-402.0	156.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,478.6	135.0	-402.0	156.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,578.6	135.0	-402.0	156.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,678.6	135.0	-402.0	156.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,778.6	135.0	-402.0	156.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,878.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,000.0	0.00	0.00	9,978.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,100.0	0.00	0.00	10,078.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,200.0	0.00	0.00	10,178.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,300.0	0.00	0.00	10,278.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,400.0	0.00	0.00	10,378.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,500.0	0.00	0.00	10,478.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,600.0	0.00	0.00	10,578.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,700.0	0.00	0.00	10,678.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,800.0	0.00	0.00	10,778.6	135.0	-402.0	156.9	0.00	0.00	0.00
10,900.0	0.00	0.00	10,878.6	135.0	-402.0	156.9	0.00	0.00	0.00
11,000.0	0.00	0.00	10,978.6	135.0	-402.0	156.9	0.00	0.00	0.00
11,100.0	0.00	0.00	11,078.6	135.0	-402.0	156.9	0.00	0.00	0.00
11,200.0	0.00	0.00	11,178.6	135.0	-402.0	156.9	0.00	0.00	0.00
11,275.9	0.00	0.00	11,254.5	135.0	-402.0	156.9	0.00	0.00	0.00
Start DLS 12.00 TFO 359.64									
11,300.0	2.89	359.64	11,278.6	135.6	-402.0	157.5	12.00	12.00	0.00
11,400.0	14.89	359.64	11,377.2	151.0	-402.1	172.9	12.00	12.00	0.00
11,500.0	26.89	359.64	11,470.5	186.6	-402.3	208.5	12.00	12.00	0.00
11,600.0	38.89	359.64	11,554.3	240.8	-402.7	262.6	12.00	12.00	0.00
11,700.0	50.89	359.64	11,625.0	311.3	-403.1	333.0	12.00	12.00	0.00
11,800.0	62.89	359.64	11,679.5	394.9	-403.7	416.5	12.00	12.00	0.00
11,900.0	74.89	359.64	11,715.5	488.0	-404.2	509.5	12.00	12.00	0.00
12,000.0	86.89	359.64	11,731.3	586.6	-404.9	608.0	12.00	12.00	0.00
12,025.9	90.00	359.64	11,732.0	612.5	-405.0	633.8	12.00	12.00	0.00
Start 7613.7 hold at 12025.9 MD									
12,100.0	90.00	359.64	11,732.0	686.6	-405.5	707.8	0.00	0.00	0.00
12,200.0	90.00	359.64	11,732.0	786.6	-406.1	807.7	0.00	0.00	0.00
12,300.0	90.00	359.64	11,732.0	886.5	-406.8	907.6	0.00	0.00	0.00
12,400.0	90.00	359.64	11,732.0	986.5	-407.4	1,007.5	0.00	0.00	0.00
12,500.0	90.00	359.64	11,732.0	1,086.5	-408.0	1,107.4	0.00	0.00	0.00
12,600.0	90.00	359.64	11,732.0	1,186.5	-408.7	1,207.2	0.00	0.00	0.00
12,700.0	90.00	359.64	11,732.0	1,286.5	-409.3	1,307.1	0.00	0.00	0.00
12,800.0	90.00	359.64	11,732.0	1,386.5	-410.0	1,407.0	0.00	0.00	0.00
12,900.0	90.00	359.64	11,732.0	1,486.5	-410.6	1,506.9	0.00	0.00	0.00
13,000.0	90.00	359.64	11,732.0	1,586.5	-411.2	1,606.8	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Well:	ZIA HILLS 20 FED COM #110H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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	359.64	11,732.0	1,686.5	-411.9	1,706.6	0.00	0.00	0.00
13,200.0	90.00	359.64	11,732.0	1,786.5	-412.5	1,806.5	0.00	0.00	0.00
13,300.0	90.00	359.64	11,732.0	1,886.5	-413.1	1,906.4	0.00	0.00	0.00
13,400.0	90.00	359.64	11,732.0	1,986.5	-413.8	2,006.3	0.00	0.00	0.00
13,500.0	90.00	359.64	11,732.0	2,086.5	-414.4	2,106.2	0.00	0.00	0.00
13,600.0	90.00	359.64	11,732.0	2,186.5	-415.0	2,206.1	0.00	0.00	0.00
13,700.0	90.00	359.64	11,732.0	2,286.5	-415.7	2,305.9	0.00	0.00	0.00
13,800.0	90.00	359.64	11,732.0	2,386.5	-416.3	2,405.8	0.00	0.00	0.00
13,900.0	90.00	359.64	11,732.0	2,486.5	-416.9	2,505.7	0.00	0.00	0.00
14,000.0	90.00	359.64	11,732.0	2,586.5	-417.6	2,605.6	0.00	0.00	0.00
14,100.0	90.00	359.64	11,732.0	2,686.5	-418.2	2,705.5	0.00	0.00	0.00
14,200.0	90.00	359.64	11,732.0	2,786.5	-418.8	2,805.3	0.00	0.00	0.00
14,300.0	90.00	359.64	11,732.0	2,886.5	-419.5	2,905.2	0.00	0.00	0.00
14,400.0	90.00	359.64	11,732.0	2,986.5	-420.1	3,005.1	0.00	0.00	0.00
14,500.0	90.00	359.64	11,732.0	3,086.5	-420.8	3,105.0	0.00	0.00	0.00
14,600.0	90.00	359.64	11,732.0	3,186.5	-421.4	3,204.9	0.00	0.00	0.00
14,700.0	90.00	359.64	11,732.0	3,286.5	-422.0	3,304.7	0.00	0.00	0.00
14,800.0	90.00	359.64	11,732.0	3,386.5	-422.7	3,404.6	0.00	0.00	0.00
14,900.0	90.00	359.64	11,732.0	3,486.5	-423.3	3,504.5	0.00	0.00	0.00
15,000.0	90.00	359.64	11,732.0	3,586.5	-423.9	3,604.4	0.00	0.00	0.00
15,100.0	90.00	359.64	11,732.0	3,686.5	-424.6	3,704.3	0.00	0.00	0.00
15,200.0	90.00	359.64	11,732.0	3,786.5	-425.2	3,804.2	0.00	0.00	0.00
15,300.0	90.00	359.64	11,732.0	3,886.5	-425.8	3,904.0	0.00	0.00	0.00
15,400.0	90.00	359.64	11,732.0	3,986.5	-426.5	4,003.9	0.00	0.00	0.00
15,500.0	90.00	359.64	11,732.0	4,086.5	-427.1	4,103.8	0.00	0.00	0.00
15,600.0	90.00	359.64	11,732.0	4,186.5	-427.7	4,203.7	0.00	0.00	0.00
15,700.0	90.00	359.64	11,732.0	4,286.5	-428.4	4,303.6	0.00	0.00	0.00
15,800.0	90.00	359.64	11,732.0	4,386.5	-429.0	4,403.4	0.00	0.00	0.00
15,900.0	90.00	359.64	11,732.0	4,486.5	-429.6	4,503.3	0.00	0.00	0.00
16,000.0	90.00	359.64	11,732.0	4,586.5	-430.3	4,603.2	0.00	0.00	0.00
16,100.0	90.00	359.64	11,732.0	4,686.5	-430.9	4,703.1	0.00	0.00	0.00
16,200.0	90.00	359.64	11,732.0	4,786.5	-431.6	4,803.0	0.00	0.00	0.00
16,300.0	90.00	359.64	11,732.0	4,886.5	-432.2	4,902.8	0.00	0.00	0.00
16,400.0	90.00	359.64	11,732.0	4,986.5	-432.8	5,002.7	0.00	0.00	0.00
16,500.0	90.00	359.64	11,732.0	5,086.5	-433.5	5,102.6	0.00	0.00	0.00
16,600.0	90.00	359.64	11,732.0	5,186.5	-434.1	5,202.5	0.00	0.00	0.00
16,700.0	90.00	359.64	11,732.0	5,286.5	-434.7	5,302.4	0.00	0.00	0.00
16,800.0	90.00	359.64	11,732.0	5,386.5	-435.4	5,402.3	0.00	0.00	0.00
16,900.0	90.00	359.64	11,732.0	5,486.5	-436.0	5,502.1	0.00	0.00	0.00
17,000.0	90.00	359.64	11,732.0	5,586.5	-436.6	5,602.0	0.00	0.00	0.00
17,100.0	90.00	359.64	11,732.0	5,686.5	-437.3	5,701.9	0.00	0.00	0.00
17,200.0	90.00	359.64	11,732.0	5,786.4	-437.9	5,801.8	0.00	0.00	0.00
17,300.0	90.00	359.64	11,732.0	5,886.4	-438.5	5,901.7	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Well:	ZIA HILLS 20 FED COM #110H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)	
17,400.0	90.00	359.64	11,732.0	5,986.4	-439.2	6,001.5	0.00	0.00	0.00	
17,500.0	90.00	359.64	11,732.0	6,086.4	-439.8	6,101.4	0.00	0.00	0.00	
17,600.0	90.00	359.64	11,732.0	6,186.4	-440.5	6,201.3	0.00	0.00	0.00	
17,700.0	90.00	359.64	11,732.0	6,286.4	-441.1	6,301.2	0.00	0.00	0.00	
17,800.0	90.00	359.64	11,732.0	6,386.4	-441.7	6,401.1	0.00	0.00	0.00	
17,900.0	90.00	359.64	11,732.0	6,486.4	-442.4	6,501.0	0.00	0.00	0.00	
18,000.0	90.00	359.64	11,732.0	6,586.4	-443.0	6,600.8	0.00	0.00	0.00	
18,100.0	90.00	359.64	11,732.0	6,686.4	-443.6	6,700.7	0.00	0.00	0.00	
18,200.0	90.00	359.64	11,732.0	6,786.4	-444.3	6,800.6	0.00	0.00	0.00	
18,300.0	90.00	359.64	11,732.0	6,886.4	-444.9	6,900.5	0.00	0.00	0.00	
18,400.0	90.00	359.64	11,732.0	6,986.4	-445.5	7,000.4	0.00	0.00	0.00	
18,500.0	90.00	359.64	11,732.0	7,086.4	-446.2	7,100.2	0.00	0.00	0.00	
18,600.0	90.00	359.64	11,732.0	7,186.4	-446.8	7,200.1	0.00	0.00	0.00	
18,700.0	90.00	359.64	11,732.0	7,286.4	-447.4	7,300.0	0.00	0.00	0.00	
18,800.0	90.00	359.64	11,732.0	7,386.4	-448.1	7,399.9	0.00	0.00	0.00	
18,900.0	90.00	359.64	11,732.0	7,486.4	-448.7	7,499.8	0.00	0.00	0.00	
19,000.0	90.00	359.64	11,732.0	7,586.4	-449.3	7,599.6	0.00	0.00	0.00	
19,100.0	90.00	359.64	11,732.0	7,686.4	-450.0	7,699.5	0.00	0.00	0.00	
19,200.0	90.00	359.64	11,732.0	7,786.4	-450.6	7,799.4	0.00	0.00	0.00	
19,300.0	90.00	359.64	11,732.0	7,886.4	-451.3	7,899.3	0.00	0.00	0.00	
19,400.0	90.00	359.64	11,732.0	7,986.4	-451.9	7,999.2	0.00	0.00	0.00	
19,500.0	90.00	359.64	11,732.0	8,086.4	-452.5	8,099.1	0.00	0.00	0.00	
19,600.0	90.00	359.64	11,732.0	8,186.4	-453.2	8,198.9	0.00	0.00	0.00	
19,639.6	90.00	359.64	11,732.0	8,226.0	-453.4	8,238.5	0.00	0.00	0.00	
TD at 19639.6										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
PBHL(ZIA HILLS 20 F - hit/miss target - Shape - plan hits target center - Rectangle (sides W100.0 H8,100.0 D20.0)	0.00	179.64	11,732.0	8,226.0	-453.4	382,495.91	698,733.81	32° 2' 59.904 N		103° 41' 30.852 W
FTP(ZIA HILLS 20 FE - plan misses target center by 0.3usft at 12035.8usft MD (11732.0 TVD, 622.4 N, -405.1 E) - Circle (radius 50.0)	0.00	0.00	11,732.0	622.4	-405.4	374,892.27	698,781.80	32° 1' 44.655 N		103° 41' 30.819 W
LTP(ZIA HILLS 20 FE - plan hits target center - Point	0.00	0.00	11,732.0	8,176.0	-453.0	382,445.92	698,734.17	32° 2' 59.410 N		103° 41' 30.851 W

ConocoPhillips
Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS 20 FED COM #110H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=31' @ 3173.1usft (N 894)
Site:	ZIA HILLS 20 FED COM PROJECT	MD Reference:	KB=31' @ 3173.1usft (N 894)
Well:	ZIA HILLS 20 FED COM #110H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2500	2500	0	0	Start Build 2.00
2800	2799	5	-15	Start 3606.5 hold at 2800.0 MD
6406	6386	125	-372	Start Drop -1.00
7006	6985	135	-402	Start 4269.4 hold at 7006.5 MD
11,276	11,255	135	-402	Start DLS 12.00 TFO 359.64
12,026	11,732	612	-405	Start 7613.7 hold at 12025.9 MD
19,640	11,732	8226	-453	TD at 19639.6

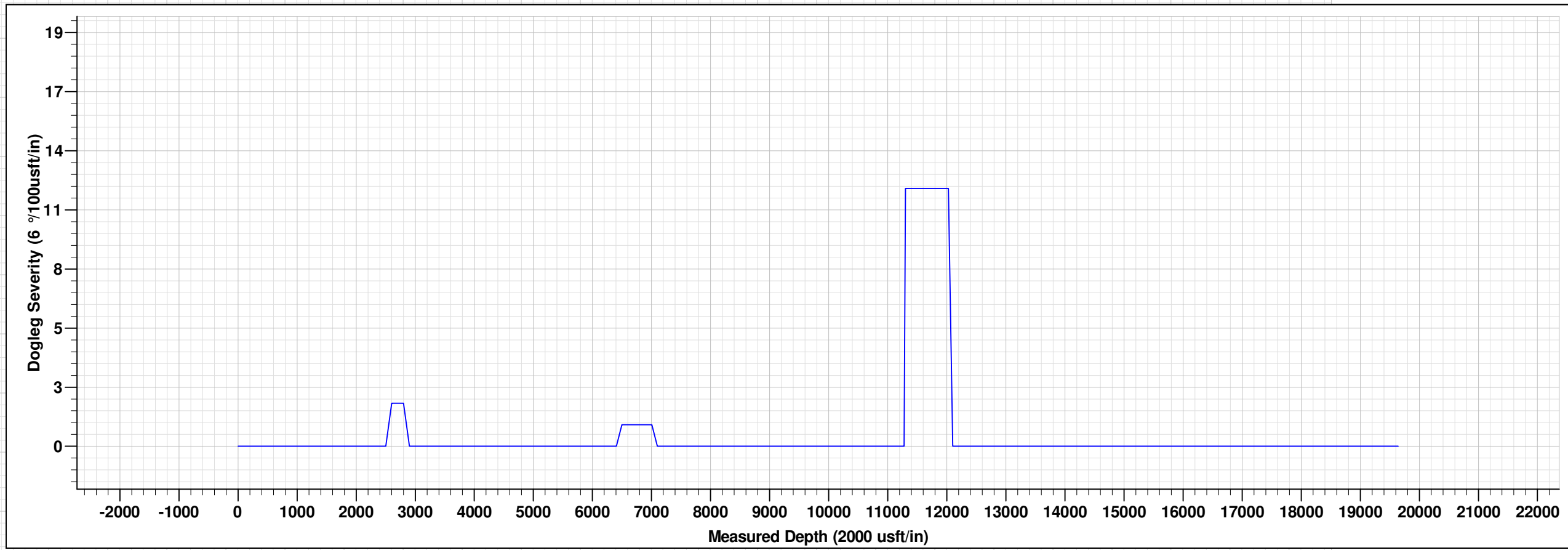
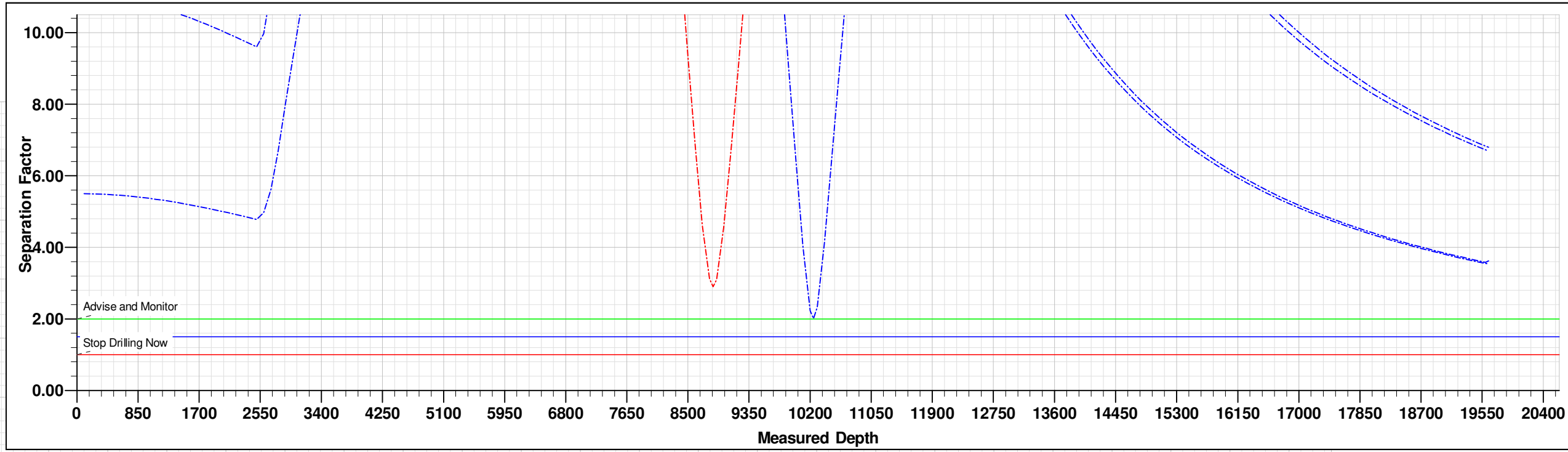
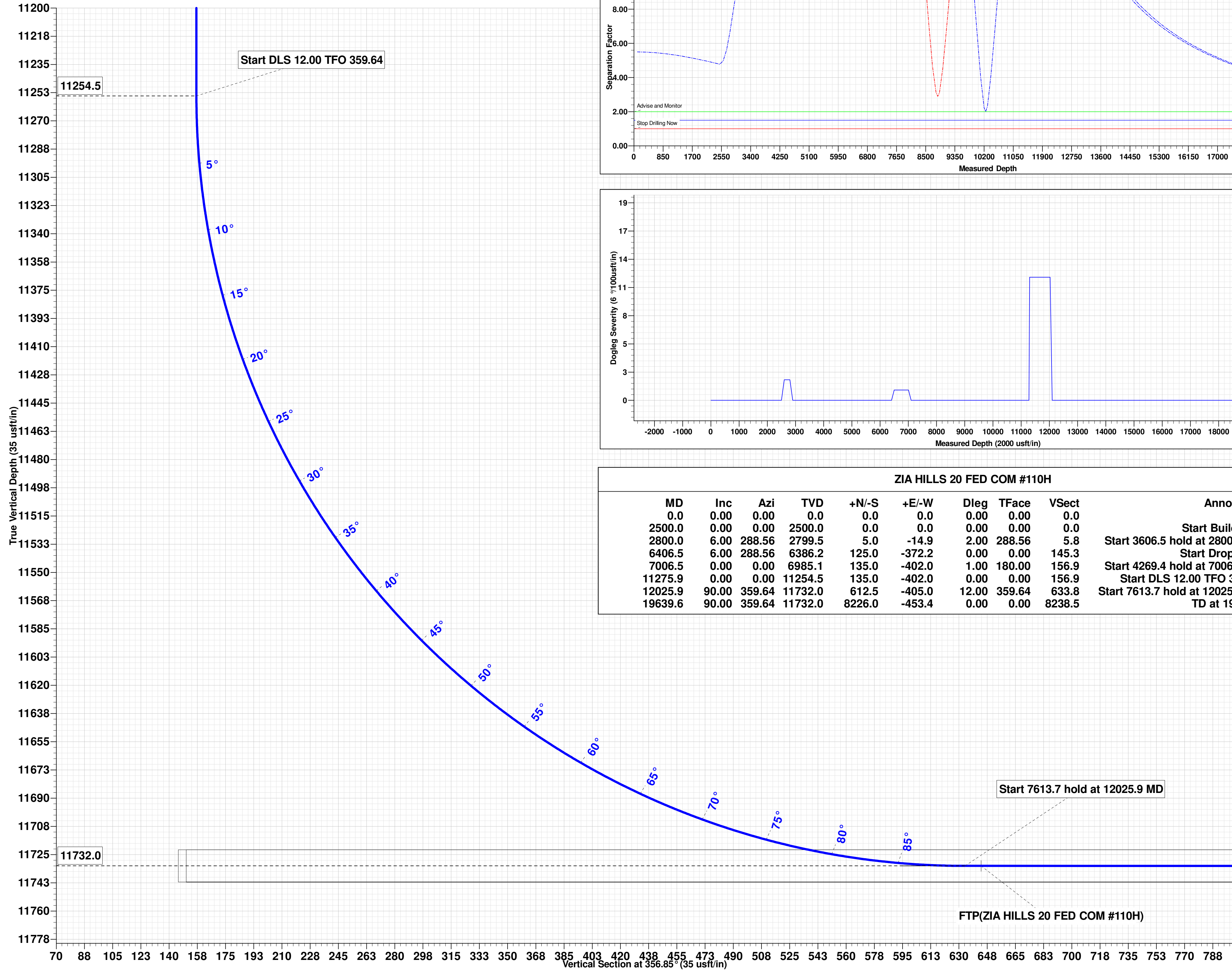
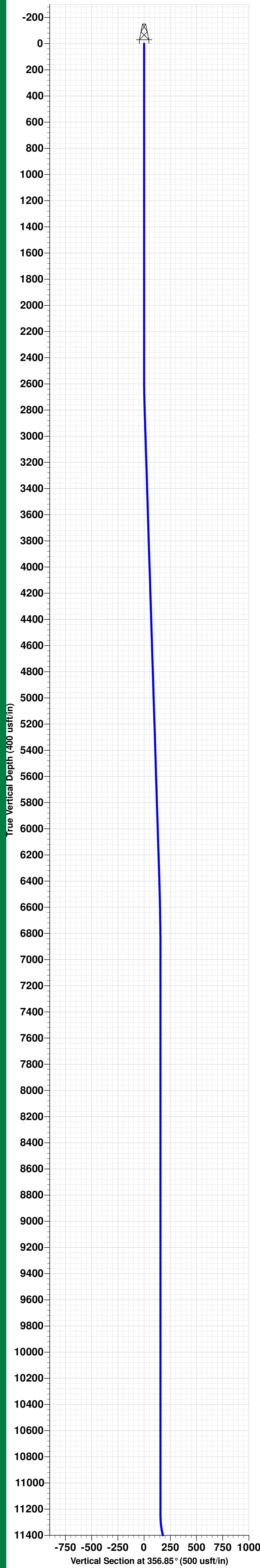
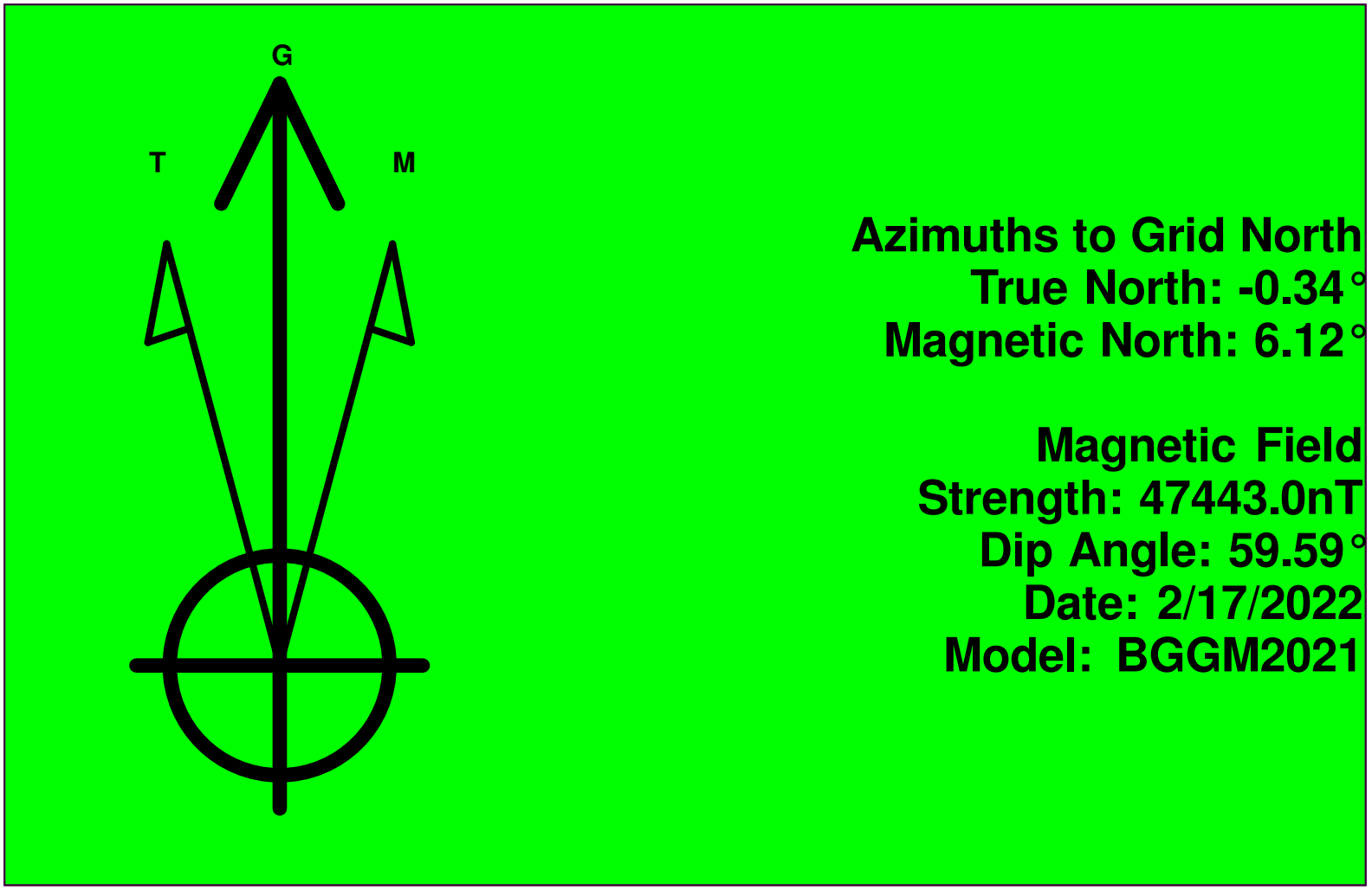
Checked By: _____	Approved By: _____	Date: _____
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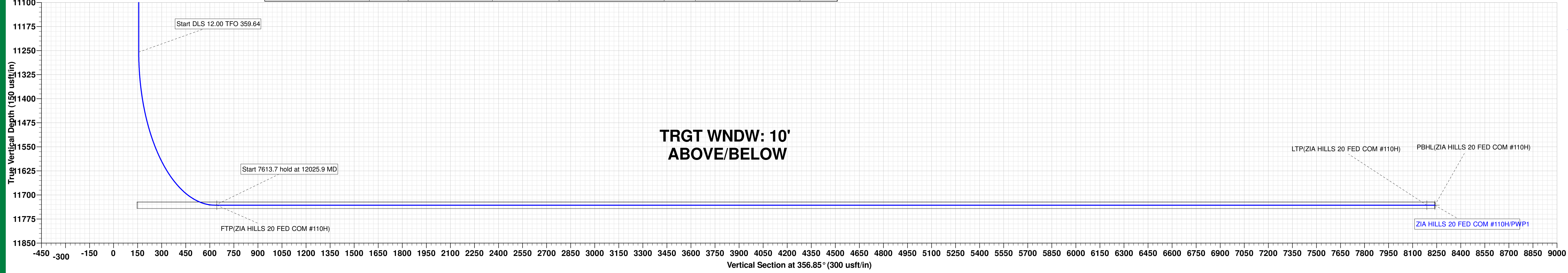
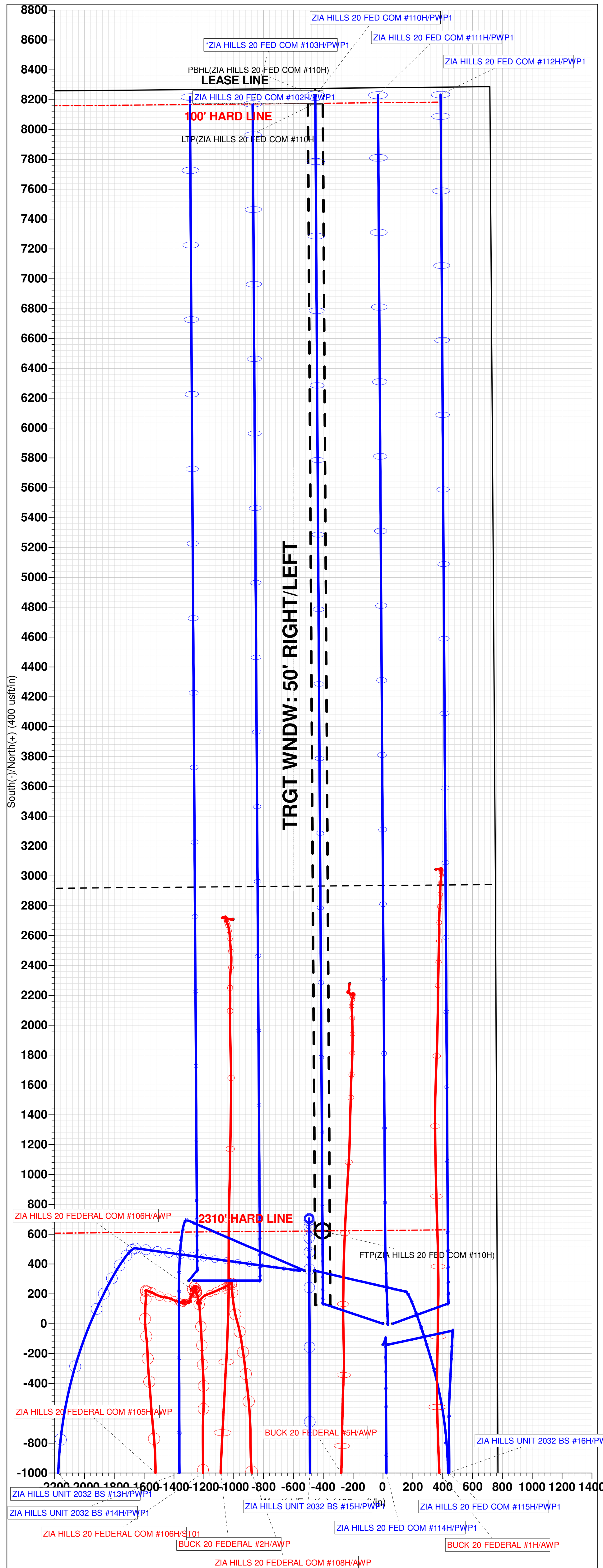
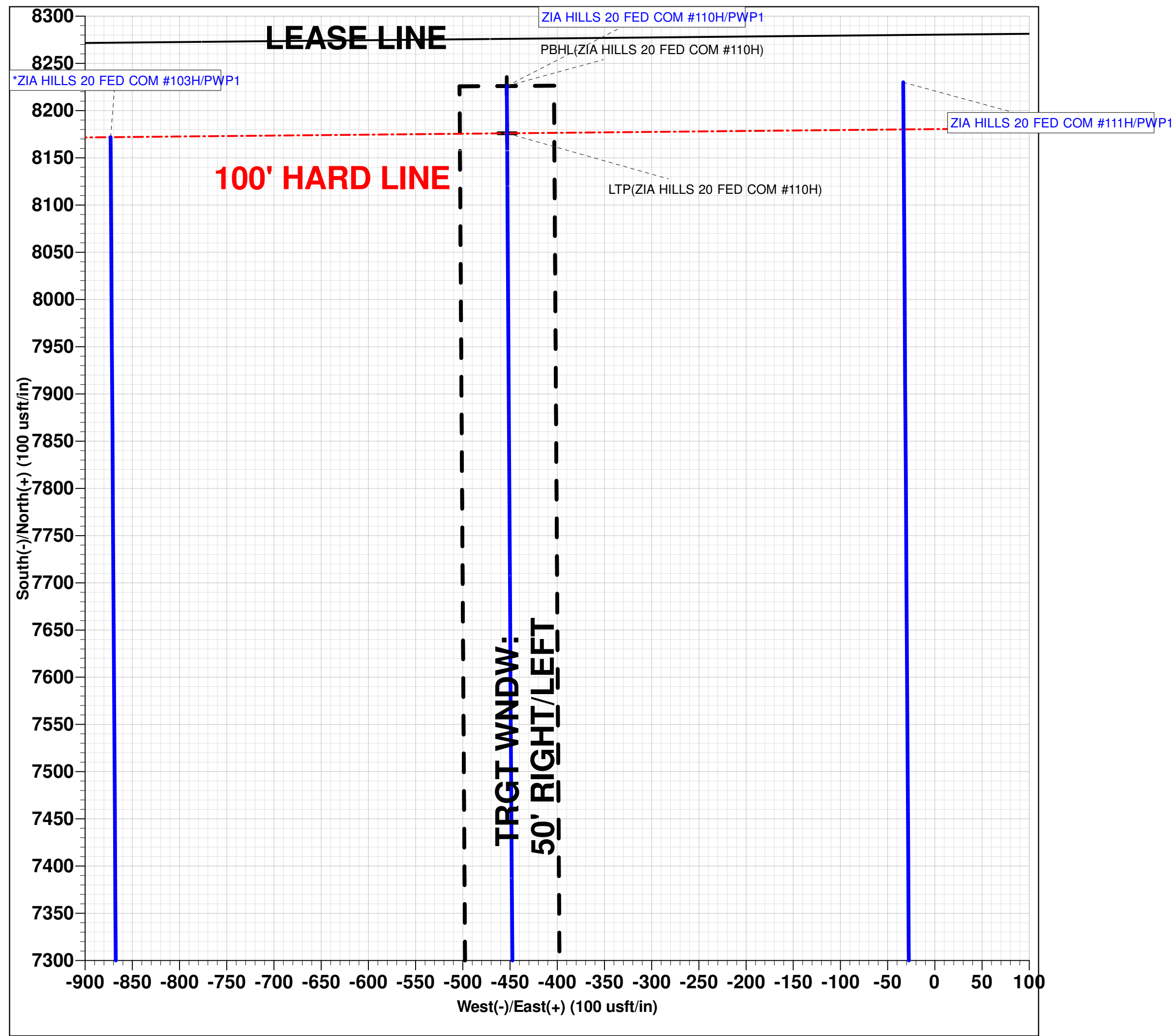
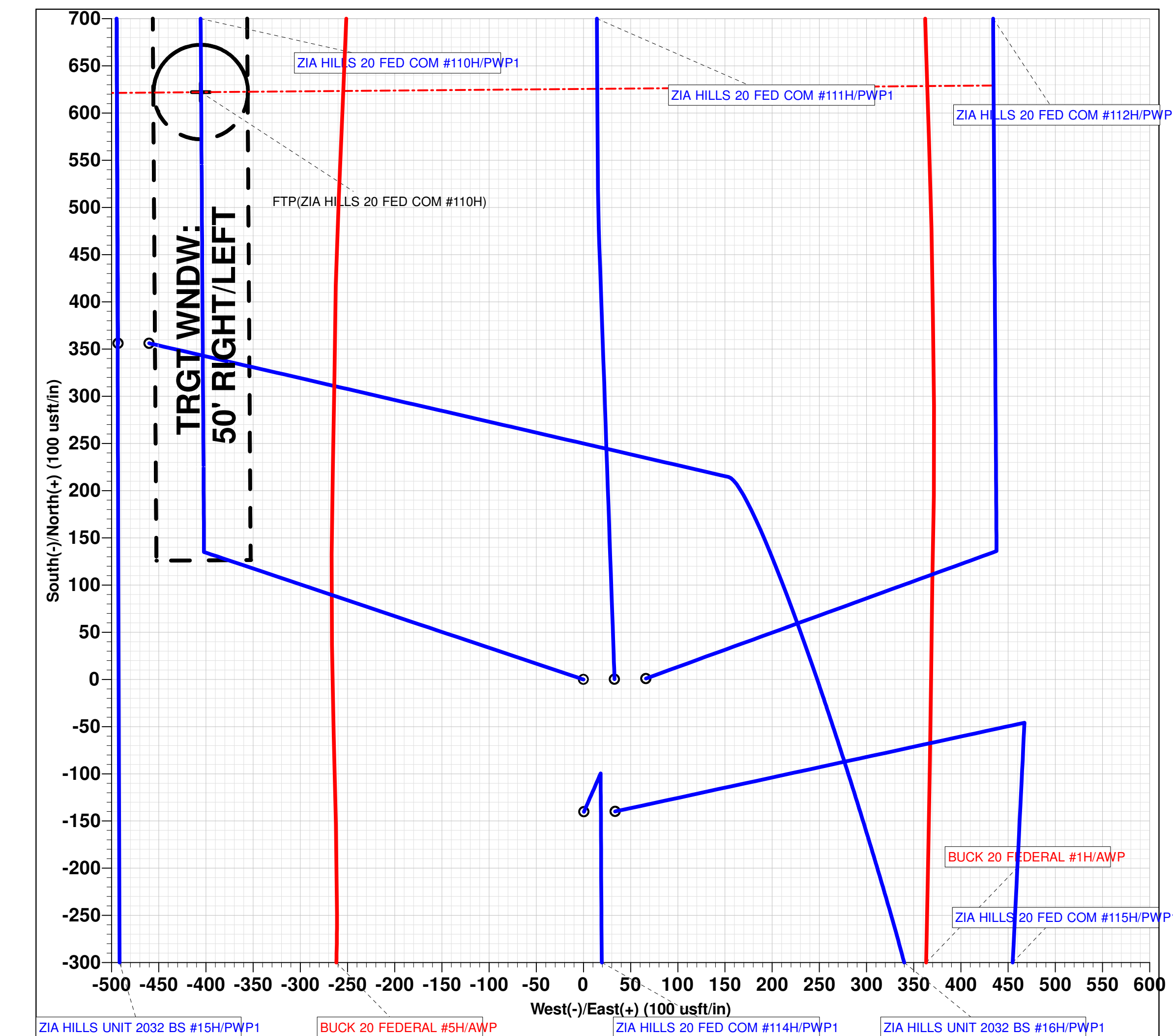
Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS 20 FED COM PROJECT
Well: ZIA HILLS 20 FED COM #110H
Wellbore: OWB
Design: PWP1
GL: 3142.1
KB=31' @ 3173.1usft (N 894)

WELL DETAILS: ZIA HILLS 20 FED COM #110H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	374269.69	699187.22	32° 1' 38.472 N	103° 41' 26.153 W

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
FTP(ZIA HILLS 20 FED COM #110H)	11732.0	622.4	-405.4	374892.27	698781.80	32° 1' 44.655 N
LTP(ZIA HILLS 20 FED COM #110H)	11732.0	8176.0	-453.0	382445.92	698734.17	32° 2' 59.410 N
PBHL(ZIA HILLS 20 FED COM #110H)	11732.0	8226.0	-453.4	382495.91	698733.81	32° 2' 59.904 N



ZIA HILLS 20 FED COM #110H										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00	
2800.0	6.00	288.56	2799.5	5.0	-14.9	2.00	288.56	5.8	Start 3606.5 hold at 2800.0 MD	
6406.5	6.00	288.56	6386.2	125.0	-372.2	0.00	0.00	145.3	Start Drop -1.00	
7006.5	0.00	0.00	6995.1	135.0	-402.0	1.00	180.00	156.9	Start 4269.4 hold at 7006.5 MD	
11275.9	0.00	0.00	11254.5	135.0	-402.0	0.00	0.00	156.9	Start DLS 12.00 TFO 359.64	
12025.9	90.00	359.64	11732.0	612.5	-405.0	12.00	359.64	633.8	Start 7613.7 hold at 12025.9 MD	
19639.6	90.00	359.64	11732.0	8226.0	-453.4	0.00	0.00	8238.5	TD at 19639.6	



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 109614

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 109614
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	6/1/2022