

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		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 recompleate 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 perfonned 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 recompletion 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: NENE / 672 FNL / 525 FEL / TWSP: 26S / RANGE: 31E / SECTION: 27 / LAT: 32.018981 / LONG: -103.759076 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 100 FNL / 330 FEL / TWSP: 26S / RANGE: 31E / SECTION: 27 / LAT: 32.02055 / LONG: -103.758446 (TVD: 11229 feet, MD: 11288 feet)

BHL: LOT 1 / 50 FSL / 330 FEL / TWSP: 26S / RANGE: 31E / SECTION: 34 / LAT: 32.000331 / LONG: -103.758445 (TVD: 11396 feet, MD: 18498 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 30-015-49931	2 Pool Code 98021	3 Pool Name Zia Hills; Wolfcamp
4 Property Code 333233	5 Property Name ZIA HILLS UNIT 2731	6 Well Number 13H
7 OGRID No. 217817	8 Operator Name CONOCOPHILLIPS COMPANY	9 Elevation 3145.81'

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
A	27	26-S	31-E		672'	NORTH	525'	EAST	EDDY

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
LOT 1	34	26-S	31-E		50'	SOUTH	280'	EAST	EDDY

12 Dedicated Acres 450.45	13 Joint or Infill	14 Consolidation Code Unit	15 Order No. R-20080
-------------------------------------	---------------------------	--------------------------------------	--------------------------------

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

16 CORNER DATA NEW MEXICO EAST - NAD 83 A - FOUND 2" IRON PIPE W/ CAP N:371758.51' E:714510.80' B - FOUND 1" IRON PIPE N:371775.82' E:717172.66' C - FOUND 2" IRON PIPE N:371792.19' E:719836.44' D - FOUND 1" IRON PIPE N:369126.08' E:719850.64' E - FOUND 2" IRON PIPE W/ CAP N:366459.43' E:719865.18' F - FOUND 2" IRON PIPE W/ CAP N:364285.74' E:719876.69' G - FOUND 1" IRON PIPE W/ CAP N:364270.43' E:717214.17' H - FOUND 2" IRON PIPE W/ CAP N:364255.13' E:714552.68' I - FOUND 2" IRON PIPE W/ CAP N:366427.19' E:714540.78' J - FOUND 1" IRON PIPE N:369092.82' E:714524.92' K - FOUND 1" IRON PIPE N:366443.66' E:717202.29' L FOUND 1" IRON PIPE N:371815.59' E:722503.43' M FOUND 1" IRON PIPE N:366481.62' E:722528.91' N FOUND 1" IRON PIPE N:364301.07' E:722542.40' SURFACE HOLE LOCATION (SHL) NEW MEXICO EAST - NAD 83 X=719314.86 LAT.= 32.01898165° N Y=371117.36 LONG.= 103.75907663° W 672' FNL, 525' FEL - SECTION 27 LAST TAKE POINT (LTP) NEW MEXICO EAST - NAD 83 X=719596.16 LAT.= 32.00046935° N Y=364384.32 LONG.= 103.75828459° W 100' FSL, 280' FEL - SECTION 34 FIRST TAKE POINT (FTP) NEW MEXICO EAST - NAD 83 X=719556.97 LAT.= 32.02055352° N Y=371690.47 LONG.= 103.75828561° W 100' FNL, 280' FEL - SECTION 27 BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST - NAD 83 X=719596.43 LAT.= 32.00033191° N Y=364334.32 LONG.= 103.75828459° W 50' FSL, 280' FEL - SECTION 34	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> 3/14/2023 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. 02/10/2023 Date of Survey Signature and Seal of Professional Surveyor Certificate Number
--	--

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2731 PROJECT

ZIA HILLS UNIT 2731 WC #13H

OWB

PWP2

Anticollision Report

13 March, 2023

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference	PWP2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program	Date	3/13/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	2,000.0	PWP2 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initiald Cont. rev.5
2,000.0	10,954.2	PWP2 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
10,954.2	18,579.9	PWP2 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
ZIA HILLS UNIT 2331 PROJECT						
BOROS FEDERAL #108H - OWB - PLAN2	8,792.5	19,129.9	214.0	124.0	2.379	CC
BOROS FEDERAL #108H - OWB - PLAN2	8,800.0	19,129.9	214.1	123.9	2.373	ES, SF
BOROS FEDERAL #114H - OWB - AWP	9,184.6	19,480.0	722.9	516.3	3.499	CC, ES, SF
BOROS FEDERAL #134H - OWB - PLAN #2	10,694.4	20,846.3	350.4	271.5	4.442	CC
BOROS FEDERAL #134H - OWB - PLAN #2	10,700.0	20,846.3	350.4	271.3	4.431	ES
BOROS FEDERAL #134H - OWB - PLAN #2	10,900.0	20,846.3	406.2	310.4	4.241	SF
BOROS FEDERAL #218H - OWB - AWP	11,225.0	21,819.0	713.9	605.9	6.611	SF
BOROS FEDERAL #218H - OWB - AWP	11,300.0	21,819.0	696.7	593.3	6.739	ES
BOROS FEDERAL #218H - OWB - AWP	11,329.2	21,819.0	695.2	593.8	6.856	CC
BOROS FEDERAL #24H - OWB - PLAN#1	7,765.4	18,087.0	311.9	110.0	1.545	Advise and Monitor, CC, ES,
ZHU 2331 WC #1H - OWB - AWP	10,964.6	11,057.9	654.1	595.0	11.069	CC, ES
ZHU 2331 WC #1H - OWB - AWP	11,100.0	11,155.7	664.8	604.2	10.976	SF
ZIA HILLS UNIT 2731 PROJECT						
ZIA HILLS UNIT 2731 WC #10H - OWB - PWP1	2,000.0	1,999.7	59.9	51.2	6.882	CC, ES, SF
ZIA HILLS UNIT 2731 WC #11H - OWB - PWP1	1,966.6	1,966.7	39.9	31.2	4.601	CC
ZIA HILLS UNIT 2731 WC #11H - OWB - PWP1	2,000.0	2,000.0	39.9	31.2	4.581	ES, SF
ZIA HILLS UNIT 2731 WC #12H - OWB - PWP1	2,000.0	2,000.1	19.9	11.2	2.285	CC, ES, SF
ZIA HILLS UNIT 2731 WC #9H - OWB - PWP1	2,000.0	1,999.8	79.7	71.0	9.162	CC, ES, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 2331 PROJECT						
BOROS FEDERAL #108H - OWB - PLAN2	18,579.9	19,129.9				Out of Range @TD
BOROS FEDERAL #114H - OWB - AWP	18,579.9	19,480.0				Out of Range @TD
BOROS FEDERAL #134H - OWB - PLAN #2	18,579.9	20,846.3				Out of Range @TD
BOROS FEDERAL #218H - OWB - AWP	18,579.9	21,819.0				Out of Range @TD
BOROS FEDERAL #24H - OWB - PLAN#1	18,579.9	18,087.0				Out of Range @TD
ZHU 2331 WC #1H - OWB - AWP	18,579.9	11,044.0				Out of Range @TD
ZIA HILLS UNIT 2731 PROJECT						
ZIA HILLS UNIT 2731 WC #10H - OWB - PWP1	18,579.9	18,722.6				Out of Range @TD
ZIA HILLS UNIT 2731 WC #11H - OWB - PWP1	18,579.9	18,518.0	889.8	770.3	7.447	
ZIA HILLS UNIT 2731 WC #12H - OWB - PWP1	18,579.9	18,672.3	499.6	379.9	4.176	
ZIA HILLS UNIT 2731 WC #9H - OWB - PWP1	18,579.9	18,519.9				Out of Range @TD

Offset Design: ZIA HILLS UNIT 2331 PROJECT - BOROS FEDERAL #108H - OWB - PLAN2														Offset Site Error: 0.0 usft	
Survey Program: 0-MWD - OWSG R1		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 3.0 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
7,900.0	7,864.3	19,129.9	8,822.0	25.7	172.8	-42.56	772.9	173.2	917.8	801.9	115.96	7.915			
7,957.2	7,921.5	19,129.9	8,822.0	25.8	172.8	-18.78	772.9	173.2	862.2	746.5	115.74	7.450			
8,000.0	7,964.3	19,129.9	8,822.0	25.8	172.8	-18.78	772.9	173.2	820.9	705.3	115.54	7.105			
8,100.0	8,064.3	19,129.9	8,822.0	25.8	172.8	-18.78	772.9	173.2	724.8	609.9	114.94	6.306			
8,200.0	8,164.3	19,129.9	8,822.0	25.9	172.8	-18.78	772.9	173.2	630.0	515.9	114.06	5.523			
8,300.0	8,264.3	19,129.9	8,822.0	25.9	172.8	-18.78	772.9	173.2	537.0	424.2	112.73	4.763			
8,400.0	8,364.3	19,129.9	8,822.0	26.0	172.8	-18.78	772.9	173.2	447.0	336.4	110.60	4.042			
8,500.0	8,464.3	19,129.9	8,822.0	26.0	172.8	-18.78	772.9	173.2	362.4	255.4	107.03	3.386			
8,600.0	8,564.3	19,129.9	8,822.0	26.1	172.8	-18.78	772.9	173.2	287.8	186.8	101.02	2.849			
8,700.0	8,664.3	19,129.9	8,822.0	26.1	172.8	-18.78	772.9	173.2	233.1	140.3	92.80	2.512			
8,792.5	8,756.8	19,129.9	8,822.0	26.1	172.8	-18.78	772.9	173.2	214.0	124.0	89.94	2.379	CC		
8,800.0	8,764.3	19,129.9	8,822.0	26.1	172.8	-18.78	772.9	173.2	214.1	123.9	90.22	2.373	ES, SF		
8,900.0	8,864.3	19,129.9	8,822.0	26.2	172.8	-18.78	772.9	173.2	239.5	140.5	98.98	2.419			
9,000.0	8,964.3	19,129.9	8,822.0	26.2	172.8	-18.78	772.9	173.2	298.1	190.1	107.93	2.762			
9,100.0	9,064.3	19,129.9	8,822.0	26.3	172.8	-18.78	772.9	173.2	374.6	261.6	113.05	3.314			
9,200.0	9,164.3	19,129.9	8,822.0	26.3	172.8	-18.78	772.9	173.2	460.3	344.5	115.77	3.976			
9,300.0	9,264.3	19,129.9	8,822.0	26.4	172.8	-18.78	772.9	173.2	550.8	433.5	117.28	4.696			
9,400.0	9,364.3	19,129.9	8,822.0	26.4	172.8	-18.78	772.9	173.2	644.1	525.9	118.19	5.449			
9,500.0	9,464.3	19,129.9	8,822.0	26.5	172.8	-18.78	772.9	173.2	739.2	620.4	118.78	6.223			

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2331 PROJECT - BOROS FEDERAL #108H - OWB - PLAN2													Offset Site Error:	0.0 usft
Survey Program: 0-MWD - OWSG R1													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,600.0	9,564.3	19,129.9	8,822.0	26.5	172.8	-18.78	772.9	173.2	835.4	716.2	119.19	7.009		
9,700.0	9,664.3	19,129.9	8,822.0	26.5	172.8	-18.78	772.9	173.2	932.4	812.9	119.49	7.803		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2331 PROJECT - BOROS FEDERAL #114H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 215-MWD+HDGM													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
8,500.0	8,464.3	19,480.0	9,219.6	26.0	151.9	-74.09	768.4	-453.2	995.6	825.6	169.99	5.857		
8,600.0	8,564.3	19,480.0	9,219.6	26.1	151.9	-74.09	768.4	-453.2	929.7	753.3	176.40	5.270		
8,700.0	8,664.3	19,480.0	9,219.6	26.1	151.9	-74.09	768.4	-453.2	870.3	687.1	183.23	4.750		
8,800.0	8,764.3	19,480.0	9,219.6	26.1	151.9	-74.09	768.4	-453.2	818.9	628.7	190.14	4.307		
8,900.0	8,864.3	19,480.0	9,219.6	26.2	151.9	-74.09	768.4	-453.2	776.9	580.3	196.62	3.951		
9,000.0	8,964.3	19,480.0	9,219.6	26.2	151.9	-74.09	768.4	-453.2	746.1	544.1	201.99	3.694		
9,100.0	9,064.3	19,480.0	9,219.6	26.3	151.9	-74.09	768.4	-453.2	727.8	522.3	205.50	3.542		
9,184.6	9,148.9	19,480.0	9,219.6	26.3	151.9	-74.09	768.4	-453.2	722.9	516.3	206.61	3.499	CC, ES, SF	
9,200.0	9,164.3	19,480.0	9,219.6	26.3	151.9	-74.09	768.4	-453.2	723.1	516.5	206.61	3.500		
9,300.0	9,264.3	19,480.0	9,219.6	26.4	151.9	-74.09	768.4	-453.2	732.1	526.9	205.12	3.569		
9,400.0	9,364.3	19,480.0	9,219.6	26.4	151.9	-74.09	768.4	-453.2	754.3	553.0	201.35	3.746		
9,500.0	9,464.3	19,480.0	9,219.6	26.5	151.9	-74.09	768.4	-453.2	788.7	592.8	195.90	4.026		
9,600.0	9,564.3	19,480.0	9,219.6	26.5	151.9	-74.09	768.4	-453.2	833.8	644.2	189.53	4.399		
9,700.0	9,664.3	19,480.0	9,219.6	26.5	151.9	-74.09	768.4	-453.2	887.8	705.0	182.86	4.855		
9,800.0	9,764.3	19,480.0	9,219.6	26.6	151.9	-74.09	768.4	-453.2	949.4	773.0	176.37	5.383		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2331 PROJECT - BOROS FEDERAL #134H - OWB - PLAN #2													Offset Site Error: 0.0 usft
Survey Program: 0-MWD - OWSG R1													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,800.0	9,764.3	20,846.3	10,724.9	26.6	172.0	-11.62	913.4	171.5	960.6	848.5	112.16	8.565	
9,900.0	9,864.3	20,846.3	10,724.9	26.6	172.0	-11.62	913.4	171.5	868.3	757.4	110.92	7.828	
10,000.0	9,964.3	20,846.3	10,724.9	26.7	172.0	-11.62	913.4	171.5	777.8	668.6	109.25	7.120	
10,100.0	10,064.3	20,846.3	10,724.9	26.7	172.0	-11.62	913.4	171.5	690.0	583.1	106.96	6.451	
10,200.0	10,164.3	20,846.3	10,724.9	26.8	172.0	-11.62	913.4	171.5	606.0	502.2	103.79	5.839	
10,300.0	10,264.3	20,846.3	10,724.9	26.8	172.0	-11.62	913.4	171.5	527.6	428.2	99.34	5.311	
10,400.0	10,364.3	20,846.3	10,724.9	26.9	172.0	-11.62	913.4	171.5	457.7	364.4	93.27	4.907	
10,500.0	10,464.3	20,846.3	10,724.9	26.9	172.0	-11.62	913.4	171.5	400.7	314.9	85.84	4.668	
10,600.0	10,564.3	20,846.3	10,724.9	27.0	172.0	-11.62	913.4	171.5	362.9	283.4	79.45	4.567	
10,694.4	10,658.7	20,846.3	10,724.9	27.0	172.0	-11.62	913.4	171.5	350.4	271.5	78.88	4.442 CC	
10,700.0	10,664.3	20,846.3	10,724.9	27.0	172.0	-11.62	913.4	171.5	350.4	271.3	79.08	4.431 ES	
10,800.0	10,764.3	20,846.3	10,724.9	27.1	172.0	-11.62	913.4	171.5	365.9	279.7	86.21	4.245	
10,900.0	10,864.3	20,846.3	10,724.9	27.1	172.0	-11.62	913.4	171.5	406.2	310.4	95.79	4.241 SF	
10,954.2	10,918.5	20,846.3	10,724.9	27.1	172.0	-11.62	913.4	171.5	436.2	335.7	100.48	4.341	
10,975.0	10,939.3	20,846.3	10,724.9	27.1	172.0	168.28	913.4	171.5	449.2	347.2	102.02	4.403	
11,000.0	10,964.2	20,846.3	10,724.9	27.1	172.0	167.68	913.4	171.5	466.5	362.8	103.64	4.501	
11,025.0	10,989.0	20,846.3	10,724.9	27.1	172.0	166.93	913.4	171.5	485.3	380.2	105.01	4.621	
11,050.0	11,013.6	20,846.3	10,724.9	27.1	172.0	165.98	913.4	171.5	505.4	399.2	106.16	4.761	
11,075.0	11,038.0	20,846.3	10,724.9	27.1	172.0	164.76	913.4	171.5	526.6	419.5	107.09	4.917	
11,100.0	11,062.0	20,846.3	10,724.9	27.1	172.0	163.18	913.4	171.5	548.7	440.8	107.85	5.088	
11,125.0	11,085.7	20,846.3	10,724.9	27.2	172.0	161.08	913.4	171.5	571.6	463.1	108.44	5.271	
11,150.0	11,108.9	20,846.3	10,724.9	27.2	172.0	158.20	913.4	171.5	595.1	486.2	108.90	5.465	
11,175.0	11,131.5	20,846.3	10,724.9	27.2	172.0	154.07	913.4	171.5	619.1	509.8	109.23	5.667	
11,200.0	11,153.6	20,846.3	10,724.9	27.2	172.0	147.82	913.4	171.5	643.4	533.9	109.46	5.878	
11,225.0	11,175.0	20,846.3	10,724.9	27.2	172.0	137.67	913.4	171.5	668.0	558.4	109.60	6.095	
11,250.0	11,195.7	20,846.3	10,724.9	27.2	172.0	120.30	913.4	171.5	692.8	583.1	109.65	6.318	
11,275.0	11,215.7	20,846.3	10,724.9	27.2	172.0	92.88	913.4	171.5	717.6	608.0	109.63	6.546	
11,300.0	11,234.9	20,846.3	10,724.9	27.2	172.0	63.31	913.4	171.5	742.5	633.0	109.54	6.779	
11,325.0	11,253.1	20,846.3	10,724.9	27.2	172.0	42.97	913.4	171.5	767.4	658.0	109.39	7.015	
11,350.0	11,270.5	20,846.3	10,724.9	27.3	172.0	31.06	913.4	171.5	792.1	682.9	109.18	7.255	
11,375.0	11,286.9	20,846.3	10,724.9	27.3	172.0	23.85	913.4	171.5	816.6	707.7	108.93	7.497	
11,400.0	11,302.3	20,846.3	10,724.9	27.3	172.0	19.17	913.4	171.5	841.0	732.3	108.62	7.742	
11,425.0	11,316.6	20,846.3	10,724.9	27.3	172.0	15.94	913.4	171.5	865.0	756.8	108.27	7.990	
11,450.0	11,329.9	20,846.3	10,724.9	27.3	172.0	13.59	913.4	171.5	888.8	780.9	107.87	8.239	
11,475.0	11,342.0	20,846.3	10,724.9	27.3	172.0	11.82	913.4	171.5	912.2	804.8	107.44	8.491	
11,500.0	11,353.0	20,846.3	10,724.9	27.3	172.0	10.44	913.4	171.5	935.3	828.3	106.97	8.744	
11,525.0	11,362.7	20,846.3	10,724.9	27.3	172.0	9.34	913.4	171.5	957.9	851.5	106.46	8.998	
11,550.0	11,371.3	20,846.3	10,724.9	27.4	172.0	8.45	913.4	171.5	980.1	874.2	105.91	9.254	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2331 PROJECT - BOROS FEDERAL #218H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 148-MWD+HDGM													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.0	10,864.3	21,819.0	11,803.8	27.1	152.7	-20.48	913.1	114.0	948.8	832.3	116.47	8.146		
10,954.2	10,918.5	21,819.0	11,803.8	27.1	152.7	-20.48	913.1	114.0	899.0	783.0	116.01	7.749		
10,975.0	10,939.3	21,819.0	11,803.8	27.1	152.7	161.55	913.1	114.0	880.2	764.4	115.80	7.601		
11,000.0	10,964.2	21,819.0	11,803.8	27.1	152.7	163.21	913.1	114.0	858.3	742.8	115.49	7.432		
11,025.0	10,989.0	21,819.0	11,803.8	27.1	152.7	164.52	913.1	114.0	837.2	722.1	115.09	7.275		
11,050.0	11,013.6	21,819.0	11,803.8	27.1	152.7	165.57	913.1	114.0	817.1	702.5	114.60	7.130		
11,075.0	11,038.0	21,819.0	11,803.8	27.1	152.7	166.43	913.1	114.0	798.1	684.0	114.01	7.000		
11,100.0	11,062.0	21,819.0	11,803.8	27.1	152.7	167.12	913.1	114.0	780.2	666.9	113.31	6.886		
11,125.0	11,085.7	21,819.0	11,803.8	27.2	152.7	167.70	913.1	114.0	763.7	651.2	112.50	6.789		
11,150.0	11,108.9	21,819.0	11,803.8	27.2	152.7	168.17	913.1	114.0	748.7	637.2	111.56	6.711		
11,175.0	11,131.5	21,819.0	11,803.8	27.2	152.7	168.55	913.1	114.0	735.3	624.8	110.50	6.655		
11,200.0	11,153.6	21,819.0	11,803.8	27.2	152.7	168.86	913.1	114.0	723.7	614.4	109.31	6.621		
11,225.0	11,175.0	21,819.0	11,803.8	27.2	152.7	169.11	913.1	114.0	713.9	605.9	107.99	6.611 SF		
11,250.0	11,195.7	21,819.0	11,803.8	27.2	152.7	169.29	913.1	114.0	706.1	599.6	106.56	6.627		
11,275.0	11,215.7	21,819.0	11,803.8	27.2	152.7	169.42	913.1	114.0	700.4	595.3	105.02	6.669		
11,300.0	11,234.9	21,819.0	11,803.8	27.2	152.7	169.50	913.1	114.0	696.7	593.3	103.39	6.739 ES		
11,325.0	11,253.1	21,819.0	11,803.8	27.2	152.7	169.54	913.1	114.0	695.3	593.6	101.69	6.837		
11,329.2	11,256.2	21,819.0	11,803.8	27.2	152.7	169.54	913.1	114.0	695.2	593.8	101.40	6.856 CC		
11,350.0	11,270.5	21,819.0	11,803.8	27.3	152.7	169.52	913.1	114.0	696.0	596.0	99.96	6.963		
11,375.0	11,286.9	21,819.0	11,803.8	27.3	152.7	169.46	913.1	114.0	698.9	600.7	98.20	7.117		
11,400.0	11,302.3	21,819.0	11,803.8	27.3	152.7	169.34	913.1	114.0	703.9	607.5	96.46	7.298		
11,425.0	11,316.6	21,819.0	11,803.8	27.3	152.7	169.18	913.1	114.0	711.0	616.3	94.75	7.504		
11,450.0	11,329.9	21,819.0	11,803.8	27.3	152.7	168.95	913.1	114.0	720.1	627.0	93.11	7.735		
11,475.0	11,342.0	21,819.0	11,803.8	27.3	152.7	168.67	913.1	114.0	731.2	639.6	91.54	7.987		
11,500.0	11,353.0	21,819.0	11,803.8	27.3	152.7	168.31	913.1	114.0	744.0	653.9	90.07	8.260		
11,525.0	11,362.7	21,819.0	11,803.8	27.3	152.7	167.87	913.1	114.0	758.4	669.7	88.71	8.549		
11,550.0	11,371.3	21,819.0	11,803.8	27.4	152.7	167.33	913.1	114.0	774.4	687.0	87.46	8.854		
11,575.0	11,378.6	21,819.0	11,803.8	27.4	152.7	166.68	913.1	114.0	791.8	705.5	86.33	9.172		
11,600.0	11,384.7	21,819.0	11,803.8	27.4	152.7	165.88	913.1	114.0	810.5	725.2	85.31	9.500		
11,625.0	11,389.4	21,819.0	11,803.8	27.4	152.7	164.90	913.1	114.0	830.3	745.9	84.40	9.837		
11,650.0	11,392.9	21,819.0	11,803.8	27.4	152.7	163.69	913.1	114.0	851.0	767.4	83.60	10.180		
11,675.0	11,395.1	21,819.0	11,803.8	27.4	152.7	162.16	913.1	114.0	872.7	789.8	82.90	10.527		
11,700.0	11,396.0	21,819.0	11,803.8	27.4	152.7	160.21	913.1	114.0	895.1	812.8	82.28	10.878		
11,704.2	11,396.0	21,819.0	11,803.8	27.4	152.7	159.82	913.1	114.0	898.9	816.7	82.19	10.938		
11,800.0	11,396.0	21,819.0	11,803.8	27.4	152.7	159.82	913.1	114.0	987.2	906.8	80.33	12.290		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2331 PROJECT - BOROS FEDERAL #24H - OWB - PLAN#1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD - OWSG R1													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,900.0	6,865.8	18,087.0	7,790.9	22.5	172.5	-85.51	741.0	-18.7	921.7	795.7	126.03	7.313		
7,000.0	6,965.4	18,087.0	7,790.9	22.9	172.5	-84.19	741.0	-18.7	828.2	699.2	128.90	6.425		
7,100.0	7,065.1	18,087.0	7,790.9	23.2	172.5	-83.03	741.0	-18.7	736.3	603.5	132.76	5.546		
7,200.0	7,164.8	18,087.0	7,790.9	23.6	172.5	-82.04	741.0	-18.7	646.9	508.9	138.04	4.686		
7,300.0	7,264.6	18,087.0	7,790.9	23.9	172.5	-81.22	741.0	-18.7	561.2	415.8	145.35	3.861		
7,400.0	7,364.5	18,087.0	7,790.9	24.3	172.5	-80.55	741.0	-18.7	481.1	325.6	155.48	3.094		
7,500.0	7,464.4	18,087.0	7,790.9	24.6	172.5	-80.05	741.0	-18.7	410.0	241.0	168.97	2.426		
7,600.0	7,564.3	18,087.0	7,790.9	24.9	172.5	-79.71	741.0	-18.7	353.3	168.4	184.89	1.911	Advise and Monitor	
7,700.0	7,664.3	18,087.0	7,790.9	25.2	172.5	-79.53	741.0	-18.7	318.7	120.4	198.38	1.607	Advise and Monitor	
7,765.4	7,729.7	18,087.0	7,790.9	25.4	172.5	-79.49	741.0	-18.7	311.9	110.0	201.91	1.545	Advise and Monitor, CC, ES, SF	
7,800.0	7,764.3	18,087.0	7,790.9	25.5	172.5	-79.50	741.0	-18.7	313.8	112.4	201.42	1.558	Advise and Monitor	
7,900.0	7,864.3	18,087.0	7,790.9	25.7	172.5	-79.64	741.0	-18.7	339.8	147.8	192.07	1.769	Advise and Monitor	
7,957.2	7,921.5	18,087.0	7,790.9	25.8	172.5	-56.78	741.0	-18.7	366.4	182.7	183.74	1.994	Advise and Monitor	
8,000.0	7,964.3	18,087.0	7,790.9	25.8	172.5	-56.78	741.0	-18.7	390.6	213.4	177.26	2.204		
8,100.0	8,064.3	18,087.0	7,790.9	25.8	172.5	-56.78	741.0	-18.7	457.9	294.4	163.50	2.801		
8,200.0	8,164.3	18,087.0	7,790.9	25.9	172.5	-56.78	741.0	-18.7	535.5	382.7	152.79	3.505		
8,300.0	8,264.3	18,087.0	7,790.9	25.9	172.5	-56.78	741.0	-18.7	619.6	474.7	144.94	4.275		
8,400.0	8,364.3	18,087.0	7,790.9	26.0	172.5	-56.78	741.0	-18.7	707.8	568.6	139.26	5.083		
8,500.0	8,464.3	18,087.0	7,790.9	26.0	172.5	-56.78	741.0	-18.7	798.8	663.7	135.12	5.912		
8,600.0	8,564.3	18,087.0	7,790.9	26.1	172.5	-56.78	741.0	-18.7	891.8	759.7	132.05	6.753		
8,700.0	8,664.3	18,087.0	7,790.9	26.1	172.5	-56.78	741.0	-18.7	986.1	856.3	129.74	7.600		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2331 PROJECT - ZHU 2331 WC #1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-r.5 SDI_KPR_WL_NS-CT, 983-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
6,900.0	6,865.8	7,102.1	7,033.0	22.5	27.3	34.64	1,052.6	1,038.6	980.1	934.1	45.96	21.325	
7,000.0	6,965.4	7,194.3	7,124.2	22.9	27.7	35.25	1,040.8	1,031.8	959.8	913.3	46.46	20.657	
7,100.0	7,065.1	7,287.4	7,216.4	23.2	28.1	35.85	1,029.0	1,025.3	940.8	893.9	46.94	20.042	
7,200.0	7,164.8	7,400.8	7,328.5	23.6	28.6	36.62	1,014.5	1,017.4	922.6	875.2	47.42	19.456	
7,300.0	7,264.6	7,510.0	7,436.0	23.9	29.1	37.44	998.0	1,008.4	902.9	855.0	47.85	18.869	
7,400.0	7,364.5	7,603.8	7,528.4	24.3	29.5	38.14	983.6	1,000.5	883.8	835.6	48.26	18.313	
7,500.0	7,464.4	7,691.8	7,615.2	24.6	29.9	38.78	970.8	993.5	866.4	817.7	48.66	17.806	
7,600.0	7,564.3	7,785.6	7,707.8	24.9	30.3	39.43	957.7	986.8	850.7	801.7	49.02	17.354	
7,700.0	7,664.3	7,876.7	7,797.9	25.2	30.7	40.04	945.5	980.5	836.4	787.0	49.37	16.940	
7,800.0	7,764.3	7,967.5	7,887.8	25.5	31.1	40.60	934.1	974.9	823.8	774.1	49.70	16.574	
7,900.0	7,864.3	8,072.6	7,992.0	25.7	31.5	41.21	921.5	968.6	812.4	762.4	50.02	16.241	
7,957.2	7,921.5	8,138.2	8,056.9	25.8	31.8	64.60	913.1	964.0	805.4	755.3	50.16	16.058	
8,000.0	7,964.3	8,187.0	8,105.0	25.8	32.0	64.93	906.3	960.3	800.0	749.7	50.23	15.926	
8,100.0	8,064.3	8,269.9	8,186.9	25.8	32.4	65.54	894.4	954.6	787.6	737.2	50.39	15.630	
8,200.0	8,164.3	8,367.8	8,283.7	25.9	32.8	66.24	881.5	949.0	777.0	726.5	50.53	15.377	
8,300.0	8,264.3	8,483.1	8,397.9	25.9	33.3	66.96	867.3	940.4	765.3	714.5	50.72	15.087	
8,400.0	8,364.3	8,550.6	8,464.8	26.0	33.6	67.32	860.1	935.7	754.6	703.7	50.93	14.817	
8,500.0	8,464.3	8,650.6	8,564.4	26.0	34.0	67.71	852.3	930.3	746.6	695.4	51.20	14.581	
8,600.0	8,564.3	8,753.0	8,666.3	26.1	34.4	67.85	847.2	922.4	737.6	686.0	51.63	14.287	
8,700.0	8,664.3	8,831.2	8,744.3	26.1	34.7	67.86	844.8	916.8	729.9	677.9	51.99	14.039	
8,800.0	8,764.3	8,911.9	8,824.9	26.1	34.9	67.86	843.4	913.3	725.1	672.9	52.30	13.866	
8,900.0	8,864.3	9,016.9	8,929.8	26.2	35.1	67.80	842.9	909.9	722.0	669.2	52.74	13.689	
9,000.0	8,964.3	9,130.8	9,043.6	26.2	35.4	67.80	840.5	904.3	716.7	663.4	53.25	13.458	
9,100.0	9,064.3	9,232.2	9,144.7	26.3	35.8	67.93	836.6	899.1	710.4	656.7	53.64	13.243	
9,200.0	9,164.3	9,333.1	9,245.3	26.3	36.2	68.21	831.0	894.2	703.9	649.9	53.95	13.046	
9,300.0	9,264.3	9,423.1	9,335.2	26.4	36.5	68.45	826.3	890.5	698.1	643.9	54.20	12.880	
9,400.0	9,364.3	9,521.5	9,433.4	26.4	36.8	68.69	821.8	886.9	693.0	638.6	54.48	12.721	
9,500.0	9,464.3	9,616.7	9,528.5	26.5	37.2	68.91	817.7	883.9	688.5	633.8	54.74	12.578	
9,600.0	9,564.3	9,712.7	9,624.3	26.5	37.5	69.16	813.6	881.4	684.5	629.6	54.96	12.455	
9,700.0	9,664.3	9,805.6	9,717.1	26.5	37.8	69.43	809.7	880.0	681.6	626.5	55.10	12.369	
9,800.0	9,764.3	9,914.0	9,825.5	26.6	38.1	69.68	805.5	877.5	678.1	622.7	55.38	12.243	
9,900.0	9,864.3	10,007.2	9,918.6	26.6	38.4	69.72	804.0	874.7	674.7	619.0	55.70	12.114	
10,000.0	9,964.3	10,102.8	10,014.1	26.7	38.6	69.77	802.7	872.8	672.4	616.4	56.01	12.005	
10,100.0	10,064.3	10,207.1	10,118.4	26.7	38.9	69.92	800.2	870.9	669.8	613.5	56.32	11.894	
10,200.0	10,164.3	10,307.7	10,219.0	26.8	39.2	70.04	797.8	868.6	666.9	610.2	56.63	11.776	
10,300.0	10,264.3	10,404.3	10,315.5	26.8	39.4	70.00	797.4	866.0	664.2	607.2	56.99	11.655	
10,400.0	10,364.3	10,501.5	10,412.7	26.9	39.6	69.90	797.7	863.6	662.0	604.7	57.35	11.543	
10,500.0	10,464.3	10,600.2	10,511.4	26.9	39.8	69.85	797.7	861.7	660.1	602.4	57.71	11.439	
10,600.0	10,564.3	10,698.9	10,610.1	27.0	40.0	69.80	797.5	859.9	658.4	600.3	58.06	11.340	
10,700.0	10,664.3	10,798.2	10,709.4	27.0	40.2	69.78	797.2	858.4	656.9	598.5	58.40	11.247	
10,800.0	10,764.3	10,896.0	10,807.1	27.1	40.4	69.81	796.4	857.2	655.5	596.8	58.69	11.168	
10,900.0	10,864.3	10,992.7	10,903.8	27.1	40.6	69.91	795.2	856.9	654.7	595.9	58.84	11.127	
10,954.2	10,918.5	11,049.6	10,960.7	27.1	40.7	69.77	796.4	855.9	654.2	595.1	59.07	11.075	
10,964.6	10,928.9	11,057.9	10,968.9	27.1	40.7	-110.00	797.0	855.6	654.1	595.0	59.10	11.069 CC, ES	
10,975.0	10,939.3	11,066.1	10,977.1	27.1	40.7	-110.08	797.8	855.2	654.2	595.1	59.14	11.062	
11,000.0	10,964.2	11,085.5	10,996.3	27.1	40.6	-110.35	800.2	854.3	654.8	595.5	59.30	11.043	
11,025.0	10,989.0	11,104.8	11,015.3	27.1	40.6	-110.70	803.6	853.2	656.1	596.6	59.53	11.022	
11,050.0	11,013.6	11,123.1	11,033.0	27.1	40.6	-111.12	808.0	851.8	658.1	598.3	59.83	11.001	
11,075.0	11,038.0	11,138.0	11,047.2	27.1	40.5	-111.44	812.3	850.5	661.0	600.9	60.14	10.991	
11,100.0	11,062.0	11,155.7	11,063.8	27.1	40.5	-111.91	818.3	848.6	664.8	604.2	60.57	10.976 SF	
11,125.0	11,085.7	11,169.7	11,076.6	27.2	40.5	-112.19	823.8	847.0	669.5	608.5	60.96	10.982	
11,150.0	11,108.9	11,186.0	11,091.1	27.2	40.4	-112.58	830.8	844.8	675.2	613.8	61.44	10.991	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2331 PROJECT - ZHU 2331 WC #1H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100-r.5 SDI_KPR_WL_NS-CT, 983-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Rule Assigned:												Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,175.0	11,131.5	11,186.0	11,091.1	27.2	40.4	-111.78	830.8	844.8	682.1	620.5	61.56	11.079		
11,200.0	11,153.6	11,198.3	11,101.8	27.2	40.4	-111.73	836.6	843.0	690.0	628.0	61.98	11.133		
11,225.0	11,175.0	11,204.2	11,106.7	27.2	40.4	-111.09	839.6	842.2	699.1	636.9	62.25	11.230		
11,250.0	11,195.7	11,217.0	11,117.3	27.2	40.3	-110.88	846.6	840.1	709.4	646.7	62.69	11.317		
11,275.0	11,215.7	11,217.0	11,117.3	27.2	40.3	-109.46	846.6	840.1	720.7	657.8	62.83	11.471		
11,300.0	11,234.9	11,217.0	11,117.3	27.2	40.3	-107.86	846.6	840.1	732.9	670.0	62.96	11.641		
11,325.0	11,253.1	11,217.0	11,117.3	27.2	40.3	-106.07	846.6	840.1	746.2	683.1	63.10	11.826		
11,350.0	11,270.5	11,217.0	11,117.3	27.3	40.3	-104.08	846.6	840.1	760.3	697.1	63.24	12.023		
11,375.0	11,286.9	11,217.0	11,117.3	27.3	40.3	-101.90	846.6	840.1	775.3	711.9	63.38	12.233		
11,400.0	11,302.3	11,217.0	11,117.3	27.3	40.3	-99.53	846.6	840.1	790.9	727.4	63.52	12.452		
11,425.0	11,316.6	11,217.0	11,117.3	27.3	40.3	-96.97	846.6	840.1	807.2	743.6	63.66	12.680		
11,450.0	11,329.9	11,217.0	11,117.3	27.3	40.3	-94.25	846.6	840.1	824.1	760.3	63.81	12.915		
11,475.0	11,342.0	11,217.0	11,117.3	27.3	40.3	-91.37	846.6	840.1	841.4	777.5	63.95	13.157		
11,500.0	11,353.0	11,217.0	11,117.3	27.3	40.3	-88.35	846.6	840.1	859.1	795.0	64.10	13.403		
11,525.0	11,362.7	11,217.0	11,117.3	27.3	40.3	-85.23	846.6	840.1	877.2	812.9	64.25	13.653		
11,550.0	11,371.3	11,217.0	11,117.3	27.4	40.3	-82.02	846.6	840.1	895.5	831.1	64.40	13.906		
11,575.0	11,378.6	11,217.0	11,117.3	27.4	40.3	-78.76	846.6	840.1	914.0	849.5	64.54	14.161		
11,600.0	11,384.7	11,217.0	11,117.3	27.4	40.3	-75.49	846.6	840.1	932.7	868.0	64.69	14.417		
11,625.0	11,389.4	11,217.0	11,117.3	27.4	40.3	-72.23	846.6	840.1	951.4	886.5	64.84	14.672		
11,650.0	11,392.9	11,204.4	11,107.0	27.4	40.4	-68.17	839.8	842.1	969.8	905.0	64.84	14.956		
11,675.0	11,395.1	11,201.6	11,104.5	27.4	40.4	-64.94	838.3	842.6	988.4	923.4	64.97	15.213		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #10H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 11180-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-90.37	-0.4	-59.9	59.9				
100.0	100.0	99.7	99.7	3.0	3.0	-90.37	-0.4	-59.9	59.9	53.4	6.47	9.248	
200.0	200.0	199.7	199.7	3.2	3.0	-90.37	-0.4	-59.9	59.9	53.3	6.60	9.075	
300.0	300.0	299.7	299.7	3.3	3.0	-90.37	-0.4	-59.9	59.9	53.2	6.72	8.910	
400.0	400.0	399.7	399.7	3.4	3.0	-90.37	-0.4	-59.9	59.9	53.0	6.84	8.751	
500.0	500.0	499.7	499.7	3.5	3.1	-90.37	-0.4	-59.9	59.9	52.9	6.96	8.600	
600.0	600.0	599.7	599.7	3.7	3.1	-90.37	-0.4	-59.9	59.9	52.8	7.08	8.454	
700.0	700.0	699.7	699.7	3.8	3.1	-90.37	-0.4	-59.9	59.9	52.7	7.20	8.314	
800.0	800.0	799.7	799.7	3.9	3.2	-90.37	-0.4	-59.9	59.9	52.6	7.32	8.179	
900.0	900.0	899.7	899.7	4.0	3.2	-90.37	-0.4	-59.9	59.9	52.4	7.44	8.049	
1,000.0	1,000.0	999.7	999.7	4.2	3.2	-90.37	-0.4	-59.9	59.9	52.3	7.56	7.924	
1,100.0	1,100.0	1,099.7	1,099.7	4.3	3.3	-90.37	-0.4	-59.9	59.9	52.2	7.67	7.804	
1,200.0	1,200.0	1,199.7	1,199.7	4.4	3.4	-90.37	-0.4	-59.9	59.9	52.1	7.79	7.688	
1,300.0	1,300.0	1,299.7	1,299.7	4.5	3.4	-90.37	-0.4	-59.9	59.9	52.0	7.90	7.575	
1,400.0	1,400.0	1,399.7	1,399.7	4.6	3.5	-90.37	-0.4	-59.9	59.9	51.9	8.02	7.466	
1,500.0	1,500.0	1,499.7	1,499.7	4.8	3.5	-90.37	-0.4	-59.9	59.9	51.7	8.13	7.361	
1,600.0	1,600.0	1,599.7	1,599.7	4.9	3.6	-90.37	-0.4	-59.9	59.9	51.6	8.25	7.259	
1,700.0	1,700.0	1,699.7	1,699.7	5.0	3.7	-90.37	-0.4	-59.9	59.9	51.5	8.36	7.161	
1,800.0	1,800.0	1,799.7	1,799.7	5.1	3.8	-90.37	-0.4	-59.9	59.9	51.4	8.48	7.065	
1,900.0	1,900.0	1,899.7	1,899.7	5.2	3.9	-90.37	-0.4	-59.9	59.9	51.3	8.59	6.972	
2,000.0	2,000.0	1,999.7	1,999.7	5.3	3.9	-90.37	-0.4	-59.9	59.9	51.2	8.70	6.882 CC, ES, SF	
2,100.0	2,100.0	2,097.8	2,097.8	5.5	4.0	-114.11	0.3	-61.4	62.1	53.3	8.83	7.035	
2,200.0	2,199.8	2,195.6	2,195.4	5.7	4.1	-116.02	2.5	-65.9	68.9	59.8	9.05	7.611	
2,300.0	2,299.5	2,292.7	2,292.2	6.0	4.1	-118.45	6.0	-73.4	80.2	71.0	9.28	8.644	
2,350.0	2,349.1	2,340.9	2,340.1	6.1	4.1	-119.67	8.3	-78.2	87.7	78.3	9.35	9.376	
2,400.0	2,398.8	2,388.9	2,387.7	6.1	4.2	-120.76	10.9	-83.7	96.1	86.7	9.42	10.200	
2,500.0	2,498.0	2,484.1	2,481.8	6.3	4.2	-121.75	17.1	-96.7	115.0	105.3	9.64	11.927	
2,600.0	2,597.3	2,581.5	2,577.7	6.6	4.3	-121.95	24.4	-112.0	135.6	125.7	9.87	13.739	
2,700.0	2,696.5	2,679.3	2,674.0	6.8	4.4	-122.09	31.7	-127.3	156.3	146.2	10.11	15.454	
2,800.0	2,795.8	2,777.1	2,770.4	7.1	4.4	-122.19	39.0	-142.6	177.0	166.6	10.37	17.074	
2,900.0	2,895.0	2,875.0	2,866.7	7.4	4.5	-122.28	46.3	-158.0	197.7	187.0	10.63	18.603	
3,000.0	2,994.3	2,972.8	2,963.1	7.7	4.6	-122.35	53.6	-173.3	218.3	207.5	10.89	20.044	
3,100.0	3,093.5	3,070.6	3,059.4	8.0	4.7	-122.40	60.9	-188.7	239.0	227.9	11.17	21.403	
3,200.0	3,192.8	3,168.5	3,155.8	8.3	4.7	-122.45	68.2	-204.0	259.7	248.3	11.45	22.682	
3,300.0	3,292.0	3,266.3	3,252.1	8.6	4.8	-122.49	75.5	-219.3	280.4	268.7	11.74	23.887	
3,400.0	3,391.3	3,364.2	3,348.5	8.9	4.9	-122.52	82.8	-234.7	301.1	289.1	12.03	25.022	
3,500.0	3,490.6	3,462.0	3,444.8	9.3	5.0	-122.55	90.1	-250.0	321.8	309.4	12.33	26.090	
3,600.0	3,589.8	3,559.8	3,541.2	9.6	5.1	-122.58	97.4	-265.4	342.5	329.8	12.64	27.097	
3,700.0	3,689.1	3,657.7	3,637.5	10.0	5.2	-122.60	104.7	-280.7	363.1	350.2	12.95	28.046	
3,800.0	3,788.3	3,755.5	3,733.9	10.3	5.3	-122.63	112.0	-296.0	383.8	370.6	13.26	28.940	
3,900.0	3,887.6	3,853.3	3,830.2	10.7	5.4	-122.64	119.3	-311.4	404.5	390.9	13.58	29.784	
4,000.0	3,986.8	3,951.2	3,926.6	11.1	5.5	-122.66	126.6	-326.7	425.2	411.3	13.90	30.580	
4,100.0	4,086.1	4,049.0	4,022.9	11.4	5.6	-122.68	133.9	-342.1	445.9	431.6	14.23	31.331	
4,200.0	4,185.3	4,146.9	4,119.3	11.8	5.7	-122.69	141.2	-357.4	466.6	452.0	14.56	32.042	
4,300.0	4,284.6	4,244.7	4,215.7	12.2	5.8	-122.70	148.5	-372.7	487.2	472.4	14.89	32.713	
4,400.0	4,383.8	4,342.5	4,312.0	12.6	5.9	-122.72	155.8	-388.1	507.9	492.7	15.23	33.348	
4,500.0	4,483.1	4,440.4	4,408.4	12.9	6.0	-122.73	163.1	-403.4	528.6	513.0	15.57	33.948	
4,600.0	4,582.4	4,538.2	4,504.7	13.3	6.1	-122.74	170.4	-418.8	549.3	533.4	15.91	34.518	
4,700.0	4,681.6	4,636.0	4,601.1	13.7	6.2	-122.75	177.7	-434.1	570.0	553.7	16.26	35.057	
4,800.0	4,780.9	4,733.9	4,697.4	14.1	6.3	-122.76	185.0	-449.4	590.7	574.1	16.61	35.569	
4,900.0	4,880.1	4,831.7	4,793.8	14.5	6.4	-122.76	192.3	-464.8	611.4	594.4	16.96	36.054	
5,000.0	4,979.4	4,929.6	4,890.1	14.9	6.5	-122.77	199.6	-480.1	632.0	614.7	17.31	36.515	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #10H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11180-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,100.0	5,078.6	5,027.4	4,986.5	15.3	6.6	-122.78	206.9	-495.5	652.7	635.1	17.66	36.953		
5,200.0	5,177.9	5,125.2	5,082.8	15.7	6.8	-122.78	214.2	-510.8	673.4	655.4	18.02	37.369		
5,300.0	5,277.1	5,223.1	5,179.2	16.1	6.9	-122.79	221.5	-526.1	694.1	675.7	18.38	37.766		
5,400.0	5,376.4	5,320.9	5,275.5	16.5	7.0	-122.80	228.8	-541.5	714.8	696.0	18.74	38.143		
5,500.0	5,475.7	5,418.7	5,371.9	16.9	7.1	-122.80	236.1	-556.8	735.5	716.4	19.10	38.502		
5,600.0	5,574.9	5,516.6	5,468.2	17.3	7.2	-122.81	243.4	-572.2	756.1	736.7	19.47	38.844		
5,700.0	5,674.2	5,614.4	5,564.6	17.7	7.3	-122.81	250.7	-587.5	776.8	757.0	19.83	39.171		
5,800.0	5,773.4	5,712.2	5,660.9	18.1	7.5	-122.82	258.0	-602.8	797.5	777.3	20.20	39.482		
5,900.0	5,872.7	5,810.1	5,757.3	18.5	7.6	-122.82	265.3	-618.2	818.2	797.6	20.57	39.780		
6,000.0	5,971.9	5,907.9	5,853.6	18.9	7.7	-122.83	272.6	-633.5	838.9	817.9	20.94	40.064		
6,100.0	6,071.2	6,005.8	5,950.0	19.3	7.8	-122.83	279.9	-648.9	859.6	838.3	21.31	40.335		
6,200.0	6,170.4	6,103.6	6,046.3	19.7	8.0	-122.83	287.2	-664.2	880.3	858.6	21.68	40.594		
6,300.0	6,269.7	6,201.4	6,142.7	20.1	8.1	-122.84	294.5	-679.5	900.9	878.9	22.06	40.843		
6,400.0	6,368.9	6,299.3	6,239.0	20.5	8.2	-122.84	301.8	-694.9	921.6	899.2	22.43	41.080		
6,500.0	6,468.2	6,397.1	6,335.4	20.9	8.3	-122.84	309.1	-710.2	942.3	919.5	22.81	41.307		
6,557.2	6,525.0	6,453.1	6,390.5	21.1	8.4	-122.85	313.3	-719.0	954.2	931.1	23.01	41.465		
6,600.0	6,567.5	6,495.0	6,431.7	21.3	8.5	-122.88	316.4	-725.6	963.0	939.8	23.15	41.588		
6,700.0	6,666.8	6,592.9	6,528.2	21.7	8.6	-122.93	323.8	-740.9	983.2	959.7	23.52	41.800		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #11H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 10970-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.1	0.1	3.0	3.0	-90.50	-0.3	-39.9	39.9				
100.0	100.0	100.1	100.1	3.0	3.0	-90.50	-0.3	-39.9	39.9	33.4	6.47	6.156	
200.0	200.0	200.1	200.1	3.2	3.0	-90.50	-0.3	-39.9	39.9	33.3	6.60	6.041	
300.0	300.0	300.1	300.1	3.3	3.0	-90.50	-0.3	-39.9	39.9	33.1	6.72	5.931	
400.0	400.0	400.1	400.1	3.4	3.0	-90.50	-0.3	-39.9	39.9	33.0	6.84	5.826	
500.0	500.0	500.1	500.1	3.5	3.1	-90.50	-0.3	-39.9	39.9	32.9	6.96	5.725	
600.0	600.0	600.1	600.1	3.7	3.1	-90.50	-0.3	-39.9	39.9	32.8	7.08	5.627	
700.0	700.0	700.1	700.1	3.8	3.1	-90.50	-0.3	-39.9	39.9	32.7	7.20	5.534	
800.0	800.0	800.1	800.1	3.9	3.2	-90.50	-0.3	-39.9	39.9	32.5	7.32	5.445	
900.0	900.0	900.1	900.1	4.0	3.2	-90.50	-0.3	-39.9	39.9	32.4	7.44	5.358	
1,000.0	1,000.0	1,000.1	1,000.1	4.2	3.2	-90.50	-0.3	-39.9	39.9	32.3	7.56	5.275	
1,100.0	1,100.0	1,100.1	1,100.1	4.3	3.3	-90.50	-0.3	-39.9	39.9	32.2	7.67	5.195	
1,200.0	1,200.0	1,200.1	1,200.1	4.4	3.4	-90.50	-0.3	-39.9	39.9	32.1	7.79	5.117	
1,300.0	1,300.0	1,300.1	1,300.1	4.5	3.4	-90.50	-0.3	-39.9	39.9	32.0	7.91	5.043	
1,400.0	1,400.0	1,400.1	1,400.1	4.6	3.5	-90.50	-0.3	-39.9	39.9	31.8	8.02	4.970	
1,500.0	1,500.0	1,500.1	1,500.1	4.8	3.5	-90.50	-0.3	-39.9	39.9	31.7	8.13	4.900	
1,600.0	1,600.0	1,600.1	1,600.1	4.9	3.6	-90.50	-0.3	-39.9	39.9	31.6	8.25	4.832	
1,700.0	1,700.0	1,700.1	1,700.1	5.0	3.7	-90.50	-0.3	-39.9	39.9	31.5	8.36	4.767	
1,800.0	1,800.0	1,800.1	1,800.1	5.1	3.8	-90.50	-0.3	-39.9	39.9	31.4	8.48	4.703	
1,900.0	1,900.0	1,900.1	1,900.1	5.2	3.9	-90.50	-0.3	-39.9	39.9	31.3	8.59	4.641	
1,966.6	1,966.6	1,966.7	1,966.7	5.3	3.9	-90.50	-0.3	-39.9	39.9	31.2	8.66	4.601 CC	
2,000.0	2,000.0	2,000.0	2,000.0	5.3	3.9	-90.50	-0.3	-39.9	39.9	31.2	8.70	4.581 ES, SF	
2,100.0	2,100.0	2,099.0	2,099.0	5.5	4.0	-114.15	0.7	-41.2	41.9	33.1	8.83	4.745	
2,200.0	2,199.8	2,197.6	2,197.5	5.7	4.1	-115.76	3.9	-45.2	48.0	39.0	9.05	5.307	
2,300.0	2,299.5	2,295.7	2,295.2	6.0	4.1	-117.65	9.2	-51.8	58.3	49.0	9.28	6.279	
2,350.0	2,349.1	2,344.5	2,343.7	6.1	4.2	-118.55	12.6	-56.0	65.0	55.6	9.35	6.949	
2,400.0	2,398.8	2,393.1	2,391.9	6.1	4.2	-119.20	16.5	-60.9	72.5	63.0	9.41	7.699	
2,500.0	2,498.0	2,491.8	2,489.6	6.3	4.3	-119.68	25.1	-71.6	88.2	78.6	9.64	9.153	
2,600.0	2,597.3	2,590.5	2,587.4	6.6	4.4	-120.00	33.7	-82.3	104.0	94.1	9.87	10.533	
2,700.0	2,696.5	2,689.3	2,685.1	6.8	4.4	-120.25	42.3	-93.0	119.7	109.6	10.11	11.840	
2,800.0	2,795.8	2,788.0	2,782.9	7.1	4.5	-120.43	50.9	-103.7	135.5	125.1	10.36	13.076	
2,900.0	2,895.0	2,886.8	2,880.7	7.4	4.6	-120.58	59.5	-114.4	151.2	140.6	10.62	14.244	
3,000.0	2,994.3	2,985.5	2,978.5	7.7	4.7	-120.70	68.1	-125.2	167.0	156.1	10.88	15.347	
3,100.0	3,093.5	3,084.3	3,076.3	8.0	4.8	-120.80	76.7	-135.9	182.8	171.6	11.15	16.388	
3,200.0	3,192.8	3,183.0	3,174.1	8.3	4.8	-120.88	85.3	-146.6	198.5	187.1	11.43	17.370	
3,300.0	3,292.0	3,281.8	3,271.9	8.6	4.9	-120.95	93.9	-157.3	214.3	202.6	11.71	18.296	
3,400.0	3,391.3	3,380.5	3,369.7	8.9	5.0	-121.01	102.5	-168.0	230.1	218.1	12.00	19.170	
3,500.0	3,490.6	3,479.3	3,467.5	9.3	5.1	-121.06	111.1	-178.7	245.8	233.5	12.30	19.994	
3,600.0	3,589.8	3,578.0	3,565.2	9.6	5.2	-121.11	119.7	-189.5	261.6	249.0	12.59	20.772	
3,700.0	3,689.1	3,676.8	3,663.0	10.0	5.3	-121.15	128.3	-200.2	277.4	264.5	12.90	21.507	
3,800.0	3,788.3	3,775.5	3,760.8	10.3	5.4	-121.19	136.9	-210.9	293.1	279.9	13.20	22.201	
3,900.0	3,887.6	3,874.3	3,858.6	10.7	5.5	-121.22	145.5	-221.6	308.9	295.4	13.52	22.856	
4,000.0	3,986.8	3,973.0	3,956.4	11.1	5.6	-121.25	154.1	-232.3	324.7	310.8	13.83	23.475	
4,100.0	4,086.1	4,071.8	4,054.2	11.4	5.7	-121.28	162.7	-243.0	340.4	326.3	14.15	24.061	
4,200.0	4,185.3	4,170.5	4,152.0	11.8	5.8	-121.30	171.3	-253.8	356.2	341.7	14.47	24.615	
4,300.0	4,284.6	4,269.2	4,249.8	12.2	5.9	-121.33	179.9	-264.5	372.0	357.2	14.80	25.140	
4,400.0	4,383.8	4,368.0	4,347.5	12.6	6.0	-121.35	188.5	-275.2	387.7	372.6	15.12	25.637	
4,500.0	4,483.1	4,466.7	4,445.3	12.9	6.1	-121.37	197.1	-285.9	403.5	388.1	15.45	26.109	
4,600.0	4,582.4	4,565.5	4,543.1	13.3	6.2	-121.39	205.7	-296.6	419.3	403.5	15.79	26.556	
4,700.0	4,681.6	4,664.2	4,640.9	13.7	6.3	-121.40	214.4	-307.4	435.0	418.9	16.12	26.980	
4,800.0	4,780.9	4,763.0	4,738.7	14.1	6.4	-121.42	223.0	-318.1	450.8	434.3	16.46	27.383	
4,900.0	4,880.1	4,861.7	4,836.5	14.5	6.6	-121.43	231.6	-328.8	466.6	449.8	16.80	27.766	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #11H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 10970-MWD+IFR1+FDIR												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		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,979.4	4,960.5	4,934.3	14.9	6.7	-121.45	240.2	-339.5	482.3	465.2	17.15	28.131	
5,100.0	5,078.6	5,059.2	5,032.1	15.3	6.8	-121.46	248.8	-350.2	498.1	480.6	17.49	28.477	
5,200.0	5,177.9	5,158.0	5,129.9	15.7	6.9	-121.47	257.4	-360.9	513.9	496.0	17.84	28.807	
5,300.0	5,277.1	5,256.7	5,227.6	16.1	7.0	-121.48	266.0	-371.7	529.6	511.5	18.19	29.121	
5,400.0	5,376.4	5,355.5	5,325.4	16.5	7.1	-121.49	274.6	-382.4	545.4	526.9	18.54	29.421	
5,500.0	5,475.7	5,454.2	5,423.2	16.9	7.2	-121.50	283.2	-393.1	561.2	542.3	18.89	29.707	
5,600.0	5,574.9	5,553.0	5,521.0	17.3	7.3	-121.51	291.8	-403.8	576.9	557.7	19.24	29.979	
5,700.0	5,674.2	5,651.7	5,618.8	17.7	7.5	-121.52	300.4	-414.5	592.7	573.1	19.60	30.240	
5,800.0	5,773.4	5,750.5	5,716.6	18.1	7.6	-121.53	309.0	-425.3	608.5	588.5	19.96	30.488	
5,900.0	5,872.7	5,849.2	5,814.4	18.5	7.7	-121.54	317.6	-436.0	624.2	603.9	20.32	30.726	
6,000.0	5,971.9	5,948.0	5,912.2	18.9	7.8	-121.54	326.2	-446.7	640.0	619.3	20.68	30.953	
6,100.0	6,071.2	6,046.7	6,009.9	19.3	7.9	-121.55	334.8	-457.4	655.8	634.7	21.04	31.170	
6,200.0	6,170.4	6,145.5	6,107.7	19.7	8.0	-121.56	343.4	-468.1	671.5	650.1	21.40	31.378	
6,300.0	6,269.7	6,244.2	6,205.5	20.1	8.2	-121.56	352.0	-478.8	687.3	665.5	21.77	31.578	
6,400.0	6,368.9	6,343.0	6,303.3	20.5	8.3	-121.57	360.6	-489.6	703.1	681.0	22.13	31.768	
6,500.0	6,468.2	6,441.7	6,401.1	20.9	8.4	-121.58	369.2	-500.3	718.8	696.4	22.50	31.951	
6,557.2	6,525.0	6,498.2	6,457.1	21.1	8.5	-121.58	374.1	-506.4	727.9	705.2	22.69	32.079	
6,600.0	6,567.5	6,540.5	6,498.9	21.3	8.5	-121.60	377.8	-511.0	734.6	711.7	22.83	32.177	
6,700.0	6,666.8	6,639.3	6,596.7	21.7	8.6	-121.62	386.4	-521.7	749.9	726.7	23.18	32.349	
6,800.0	6,766.3	6,738.2	6,694.7	22.1	8.8	-121.59	395.0	-532.5	764.8	741.3	23.52	32.520	
6,900.0	6,865.8	6,837.1	6,792.6	22.5	8.9	-121.49	403.6	-543.2	779.3	755.4	23.84	32.690	
7,000.0	6,965.4	6,936.1	6,890.6	22.9	9.0	-121.35	412.3	-553.9	793.3	769.1	24.14	32.863	
7,100.0	7,065.1	7,035.1	6,988.7	23.2	9.1	-121.16	420.9	-564.7	806.8	782.4	24.42	33.038	
7,200.0	7,164.8	7,134.1	7,086.8	23.6	9.3	-120.93	429.5	-575.4	820.0	795.3	24.69	33.218	
7,300.0	7,264.6	7,233.2	7,184.9	23.9	9.4	-120.64	438.1	-586.2	832.7	807.8	24.93	33.403	
7,400.0	7,364.5	7,332.3	7,283.0	24.3	9.5	-120.32	446.8	-596.9	845.0	819.9	25.15	33.596	
7,500.0	7,464.4	7,435.0	7,384.7	24.6	9.6	-119.95	455.7	-608.0	856.9	831.5	25.36	33.783	
7,600.0	7,564.3	7,546.0	7,494.8	24.9	9.8	-119.56	464.3	-618.7	867.3	841.7	25.59	33.896	
7,700.0	7,664.3	7,657.4	7,605.7	25.2	9.9	-119.23	471.5	-627.8	876.0	850.2	25.81	33.943	
7,800.0	7,764.3	7,769.3	7,717.1	25.5	10.0	-118.94	477.5	-635.2	882.9	856.9	26.02	33.927	
7,900.0	7,864.3	7,881.4	7,829.0	25.7	10.2	-118.68	482.1	-640.9	888.0	861.8	26.23	33.857	
7,957.2	7,921.5	7,945.7	7,893.3	25.8	10.2	-95.56	484.1	-643.4	890.1	863.8	26.30	33.843	
8,000.0	7,964.3	7,993.8	7,941.3	25.8	10.3	-95.47	485.3	-644.9	891.4	865.0	26.34	33.840	
8,100.0	8,064.3	8,106.4	8,053.8	25.8	10.4	-95.34	487.2	-647.3	893.2	866.8	26.48	33.732	
8,200.0	8,164.3	8,217.0	8,164.4	25.9	10.6	-95.30	487.6	-647.9	893.7	867.1	26.62	33.572	
8,300.0	8,264.3	8,317.0	8,264.4	25.9	10.7	-95.30	487.6	-647.9	893.7	867.0	26.73	33.442	
8,400.0	8,364.3	8,417.0	8,364.4	26.0	10.8	-95.30	487.6	-647.9	893.7	866.9	26.83	33.311	
8,500.0	8,464.3	8,517.0	8,464.4	26.0	10.9	-95.30	487.6	-647.9	893.7	866.8	26.94	33.181	
8,600.0	8,564.3	8,617.0	8,564.4	26.1	11.0	-95.30	487.6	-647.9	893.7	866.7	27.04	33.052	
8,700.0	8,664.3	8,717.0	8,664.4	26.1	11.1	-95.30	487.6	-647.9	893.7	866.6	27.15	32.923	
8,800.0	8,764.3	8,817.0	8,764.4	26.1	11.2	-95.30	487.6	-647.9	893.7	866.5	27.25	32.795	
8,900.0	8,864.3	8,917.0	8,864.4	26.2	11.3	-95.30	487.6	-647.9	893.7	866.4	27.36	32.667	
9,000.0	8,964.3	9,017.0	8,964.4	26.2	11.4	-95.30	487.6	-647.9	893.7	866.3	27.47	32.540	
9,100.0	9,064.3	9,117.0	9,064.4	26.3	11.6	-95.30	487.6	-647.9	893.7	866.2	27.57	32.413	
9,200.0	9,164.3	9,217.0	9,164.4	26.3	11.7	-95.30	487.6	-647.9	893.7	866.1	27.68	32.286	
9,300.0	9,264.3	9,317.0	9,264.4	26.4	11.8	-95.30	487.6	-647.9	893.7	866.0	27.79	32.160	
9,400.0	9,364.3	9,417.0	9,364.4	26.4	11.9	-95.30	487.6	-647.9	893.7	865.8	27.90	32.035	
9,500.0	9,464.3	9,517.0	9,464.4	26.5	12.0	-95.30	487.6	-647.9	893.7	865.7	28.01	31.910	
9,600.0	9,564.3	9,617.0	9,564.4	26.5	12.1	-95.30	487.6	-647.9	893.7	865.6	28.12	31.786	
9,700.0	9,664.3	9,717.0	9,664.4	26.5	12.2	-95.30	487.6	-647.9	893.7	865.5	28.23	31.662	
9,800.0	9,764.3	9,817.0	9,764.4	26.6	12.4	-95.30	487.6	-647.9	893.7	865.4	28.34	31.539	
9,900.0	9,864.3	9,917.0	9,864.4	26.6	12.5	-95.30	487.6	-647.9	893.7	865.3	28.45	31.416	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #11H - OWB - PWP1													Offset Site Error:	0.0 usft	
Survey Program:		0-Standard Keeper 104, 10970-MWD+IFR1+FDIR					Rule Assigned:							Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,000.0	9,964.3	10,017.0	9,964.4	26.7	12.6	-95.30	487.6	-647.9	893.7	865.2	28.56	31.294			
10,100.0	10,064.3	10,117.0	10,064.4	26.7	12.7	-95.30	487.6	-647.9	893.7	865.1	28.67	31.173			
10,200.0	10,164.3	10,217.0	10,164.4	26.8	12.8	-95.30	487.6	-647.9	893.7	865.0	28.78	31.052			
10,300.0	10,264.3	10,317.0	10,264.4	26.8	12.9	-95.30	487.6	-647.9	893.7	864.8	28.89	30.931			
10,400.0	10,364.3	10,417.0	10,364.4	26.9	13.1	-95.30	487.6	-647.9	893.7	864.7	29.01	30.811			
10,500.0	10,464.3	10,517.0	10,464.4	26.9	13.2	-95.30	487.6	-647.9	893.7	864.6	29.12	30.692			
10,600.0	10,564.3	10,617.0	10,564.4	27.0	13.3	-95.30	487.6	-647.9	893.7	864.5	29.23	30.573			
10,700.0	10,664.3	10,717.0	10,664.4	27.0	13.4	-95.30	487.6	-647.9	893.7	864.4	29.35	30.455			
10,800.0	10,764.3	10,817.0	10,764.4	27.1	13.5	-95.30	487.6	-647.9	893.7	864.3	29.46	30.337			
10,900.0	10,864.3	10,917.0	10,864.4	27.1	13.6	-95.30	487.6	-647.9	893.7	864.2	29.57	30.222			
10,935.8	10,900.1	10,952.7	10,900.2	27.1	13.7	-95.30	487.6	-647.9	893.7	864.2	29.59	30.201			
10,954.2	10,918.5	10,971.0	10,918.5	27.1	13.7	-95.30	487.6	-647.9	893.7	864.1	29.60	30.191			
10,975.0	10,939.3	10,988.9	10,936.3	27.1	13.7	85.00	487.3	-647.9	893.7	864.1	29.60	30.193			
11,000.0	10,964.2	11,010.4	10,957.8	27.1	13.7	85.02	485.9	-647.9	893.7	864.1	29.59	30.200			
11,025.0	10,989.0	11,031.9	10,979.2	27.1	13.7	85.04	483.7	-647.8	893.7	864.1	29.58	30.211			
11,050.0	11,013.6	11,053.4	11,000.4	27.1	13.7	85.08	480.4	-647.8	893.6	864.1	29.56	30.227			
11,075.0	11,038.0	11,075.0	11,021.6	27.1	13.7	85.12	476.2	-647.8	893.6	864.0	29.54	30.248			
11,100.0	11,062.0	11,096.5	11,042.5	27.1	13.7	85.18	471.0	-647.8	893.5	864.0	29.52	30.272			
11,125.0	11,085.7	11,118.1	11,063.2	27.2	13.7	85.26	464.9	-647.7	893.4	863.9	29.49	30.300			
11,150.0	11,108.9	11,139.8	11,083.7	27.2	13.7	85.34	457.8	-647.7	893.3	863.9	29.45	30.332			
11,175.0	11,131.5	11,161.5	11,103.8	27.2	13.7	85.43	449.8	-647.7	893.2	863.8	29.41	30.366			
11,200.0	11,153.6	11,183.2	11,123.6	27.2	13.7	85.54	440.9	-647.6	893.1	863.7	29.37	30.403			
11,225.0	11,175.0	11,205.0	11,143.1	27.2	13.7	85.66	431.0	-647.6	892.9	863.6	29.33	30.442			
11,250.0	11,195.7	11,226.9	11,162.1	27.2	13.8	85.78	420.2	-647.5	892.8	863.5	29.29	30.482			
11,275.0	11,215.7	11,250.0	11,181.7	27.2	13.8	85.93	407.9	-647.4	892.6	863.4	29.25	30.514			
11,300.0	11,234.9	11,270.8	11,198.8	27.2	13.8	86.07	396.0	-647.4	892.5	863.3	29.20	30.564			
11,325.0	11,253.1	11,292.9	11,216.3	27.2	13.8	86.22	382.6	-647.3	892.3	863.1	29.16	30.605			
11,350.0	11,270.5	11,315.1	11,233.3	27.3	13.8	86.39	368.3	-647.2	892.1	863.0	29.11	30.644			
11,375.0	11,286.9	11,337.4	11,249.7	27.3	13.8	86.57	353.2	-647.1	892.0	862.9	29.07	30.681			
11,400.0	11,302.3	11,359.8	11,265.4	27.3	13.9	86.75	337.2	-647.0	891.8	862.8	29.03	30.716			
11,425.0	11,316.6	11,382.3	11,280.4	27.3	13.9	86.94	320.5	-647.0	891.6	862.6	29.00	30.746			
11,450.0	11,329.9	11,404.9	11,294.7	27.3	13.9	87.15	303.0	-646.9	891.5	862.5	28.97	30.772			
11,475.0	11,342.0	11,427.6	11,308.2	27.3	13.9	87.35	284.7	-646.8	891.3	862.4	28.94	30.793			
11,500.0	11,353.0	11,450.0	11,320.6	27.3	14.0	87.56	266.1	-646.7	891.1	862.2	28.92	30.814			
11,525.0	11,362.7	11,473.5	11,332.7	27.3	14.0	87.79	245.9	-646.6	891.0	862.1	28.91	30.815			
11,550.0	11,371.3	11,496.6	11,343.6	27.4	14.0	88.02	225.5	-646.4	890.9	862.0	28.91	30.815			
11,575.0	11,378.6	11,519.9	11,353.6	27.4	14.0	88.25	204.5	-646.3	890.7	861.8	28.91	30.806			
11,600.0	11,384.7	11,543.4	11,362.7	27.4	14.0	88.49	182.8	-646.2	890.6	861.7	28.93	30.789			
11,625.0	11,389.4	11,567.0	11,370.7	27.4	14.1	88.73	160.6	-646.1	890.5	861.6	28.95	30.761			
11,650.0	11,392.9	11,590.8	11,377.6	27.4	14.1	88.98	137.8	-646.0	890.5	861.5	28.98	30.724			
11,675.0	11,395.1	11,614.8	11,383.4	27.4	14.1	89.23	114.6	-645.8	890.4	861.4	29.03	30.676			
11,700.0	11,396.0	11,639.0	11,388.1	27.4	14.1	89.49	90.9	-645.7	890.4	861.3	29.08	30.618			
11,704.2	11,396.0	11,643.1	11,388.8	27.4	14.1	89.53	86.8	-645.7	890.3	861.3	29.09	30.607			
11,800.0	11,396.0	11,738.0	11,395.0	27.4	14.2	89.93	-7.8	-645.2	890.3	860.9	29.41	30.273			
11,900.0	11,396.0	11,838.0	11,395.0	27.5	14.3	89.93	-107.8	-644.7	890.3	860.5	29.84	29.835			
12,000.0	11,396.0	11,938.0	11,395.0	27.5	14.3	89.93	-207.8	-644.1	890.3	859.9	30.35	29.333			
12,100.0	11,396.0	12,038.0	11,395.0	27.5	14.5	89.93	-307.8	-643.6	890.3	859.3	30.94	28.777			
12,200.0	11,396.0	12,138.0	11,395.0	27.6	14.6	89.93	-407.7	-643.0	890.3	858.7	31.60	28.178			
12,300.0	11,396.0	12,238.0	11,395.0	27.6	14.8	89.93	-507.7	-642.5	890.3	857.9	32.32	27.545			
12,400.0	11,396.0	12,338.0	11,395.0	27.7	15.1	89.93	-607.7	-642.0	890.3	857.2	33.11	26.890			
12,500.0	11,396.0	12,438.0	11,395.0	27.7	15.5	89.93	-707.7	-641.4	890.3	856.3	33.95	26.220			
12,600.0	11,396.0	12,538.0	11,395.0	27.8	16.0	89.93	-807.7	-640.9	890.2	855.4	34.85	25.543			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #11H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 10970-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,700.0	11,396.0	12,638.0	11,395.0	27.9	16.5	89.93	-907.7	-640.3	890.2	854.4	35.80	24.865	
12,800.0	11,396.0	12,738.0	11,395.0	27.9	17.1	89.93	-1,007.7	-639.8	890.2	853.4	36.80	24.192	
12,900.0	11,396.0	12,838.0	11,395.0	28.0	17.7	89.93	-1,107.7	-639.3	890.2	852.4	37.84	23.529	
13,000.0	11,396.0	12,938.0	11,395.0	28.1	18.3	89.93	-1,207.7	-638.7	890.2	851.3	38.91	22.877	
13,100.0	11,396.0	13,038.0	11,395.0	28.2	19.0	89.93	-1,307.7	-638.2	890.2	850.2	40.02	22.242	
13,200.0	11,396.0	13,138.0	11,395.0	28.4	19.7	89.93	-1,407.7	-637.6	890.2	849.0	41.17	21.623	
13,300.0	11,396.0	13,238.0	11,395.0	28.5	20.4	89.93	-1,507.7	-637.1	890.2	847.8	42.34	21.023	
13,400.0	11,396.0	13,338.0	11,395.0	28.6	21.1	89.93	-1,607.7	-636.6	890.2	846.6	43.55	20.442	
13,500.0	11,396.0	13,438.0	11,395.0	28.8	21.9	89.93	-1,707.7	-636.0	890.2	845.4	44.77	19.881	
13,600.0	11,396.0	13,538.0	11,395.0	28.9	22.6	89.93	-1,807.7	-635.5	890.2	844.1	46.03	19.341	
13,700.0	11,396.0	13,638.0	11,395.0	29.1	23.4	89.93	-1,907.7	-635.0	890.2	842.9	47.30	18.820	
13,800.0	11,396.0	13,738.0	11,395.0	29.3	24.1	89.93	-2,007.7	-634.4	890.2	841.6	48.59	18.320	
13,900.0	11,396.0	13,838.0	11,395.0	29.6	24.9	89.93	-2,107.7	-633.9	890.1	840.2	49.90	17.838	
14,000.0	11,396.0	13,938.0	11,395.0	29.8	25.7	89.93	-2,207.7	-633.3	890.1	838.9	51.23	17.376	
14,100.0	11,396.0	14,038.0	11,395.0	30.1	26.5	89.93	-2,307.7	-632.8	890.1	837.6	52.57	16.932	
14,200.0	11,396.0	14,138.0	11,395.0	30.4	27.2	89.93	-2,407.7	-632.3	890.1	836.2	53.93	16.506	
14,300.0	11,396.0	14,238.0	11,395.0	30.7	28.0	89.93	-2,507.7	-631.7	890.1	834.8	55.30	16.097	
14,400.0	11,396.0	14,338.0	11,395.0	31.0	28.8	89.93	-2,607.7	-631.2	890.1	833.4	56.68	15.704	
14,500.0	11,396.0	14,438.0	11,395.0	31.4	29.6	89.93	-2,707.7	-630.6	890.1	832.0	58.07	15.327	
14,600.0	11,396.0	14,538.0	11,395.0	31.8	30.4	89.93	-2,807.7	-630.1	890.1	830.6	59.48	14.965	
14,700.0	11,396.0	14,638.0	11,395.0	32.2	31.2	89.93	-2,907.7	-629.6	890.1	829.2	60.89	14.618	
14,800.0	11,396.0	14,738.0	11,395.0	32.6	32.0	89.93	-3,007.7	-629.0	890.1	827.8	62.31	14.284	
14,900.0	11,396.0	14,838.0	11,395.0	33.1	32.9	89.93	-3,107.7	-628.5	890.1	826.3	63.75	13.963	
15,000.0	11,396.0	14,938.0	11,395.0	33.6	33.7	89.93	-3,207.7	-628.0	890.1	824.9	65.19	13.654	
15,100.0	11,396.0	15,038.0	11,395.0	34.1	34.5	89.93	-3,307.7	-627.4	890.1	823.4	66.63	13.357	
15,200.0	11,396.0	15,138.0	11,395.0	34.6	35.3	89.93	-3,407.7	-626.9	890.0	822.0	68.09	13.072	
15,300.0	11,396.0	15,238.0	11,395.0	35.2	36.1	89.93	-3,507.7	-626.3	890.0	820.5	69.55	12.797	
15,400.0	11,396.0	15,338.0	11,395.0	35.7	36.9	89.93	-3,607.7	-625.8	890.0	819.0	71.02	12.533	
15,500.0	11,396.0	15,438.0	11,395.0	36.3	37.8	89.93	-3,707.7	-625.3	890.0	817.5	72.49	12.278	
15,600.0	11,396.0	15,538.0	11,395.0	36.9	38.6	89.93	-3,807.7	-624.7	890.0	816.0	73.97	12.033	
15,700.0	11,396.0	15,638.0	11,395.0	37.5	39.4	89.93	-3,907.7	-624.2	890.0	814.6	75.45	11.796	
15,800.0	11,396.0	15,738.0	11,395.0	38.1	40.2	89.93	-4,007.7	-623.6	890.0	813.1	76.94	11.568	
15,900.0	11,396.0	15,838.0	11,395.0	38.7	41.1	89.93	-4,107.7	-623.1	890.0	811.6	78.43	11.348	
16,000.0	11,396.0	15,938.0	11,395.0	39.3	41.9	89.93	-4,207.7	-622.6	890.0	810.1	79.93	11.135	
16,100.0	11,396.0	16,038.0	11,395.0	40.0	42.7	89.93	-4,307.7	-622.0	890.0	808.5	81.43	10.930	
16,200.0	11,396.0	16,138.0	11,395.0	40.6	43.6	89.93	-4,407.7	-621.5	890.0	807.0	82.93	10.731	
16,300.0	11,396.0	16,238.0	11,395.0	41.3	44.4	89.93	-4,507.7	-620.9	890.0	805.5	84.44	10.540	
16,400.0	11,396.0	16,338.0	11,395.0	41.9	45.2	89.93	-4,607.7	-620.4	890.0	804.0	85.95	10.354	
16,500.0	11,396.0	16,438.0	11,395.0	42.6	46.1	89.93	-4,707.7	-619.9	889.9	802.5	87.47	10.175	
16,600.0	11,396.0	16,538.0	11,395.0	43.2	46.9	89.93	-4,807.7	-619.3	889.9	801.0	88.98	10.001	
16,700.0	11,396.0	16,638.0	11,395.0	43.9	47.7	89.93	-4,907.7	-618.8	889.9	799.4	90.51	9.833	
16,800.0	11,396.0	16,738.0	11,395.0	44.6	48.6	89.93	-5,007.7	-618.3	889.9	797.9	92.03	9.670	
16,900.0	11,396.0	16,838.0	11,395.0	45.3	49.4	89.93	-5,107.7	-617.7	889.9	796.4	93.56	9.512	
17,000.0	11,396.0	16,938.0	11,395.0	45.9	50.3	89.93	-5,207.7	-617.2	889.9	794.8	95.08	9.359	
17,100.0	11,396.0	17,038.0	11,395.0	46.6	51.1	89.93	-5,307.7	-616.6	889.9	793.3	96.62	9.211	
17,200.0	11,396.0	17,138.0	11,395.0	47.3	51.9	89.93	-5,407.7	-616.1	889.9	791.7	98.15	9.067	
17,300.0	11,396.0	17,238.0	11,395.0	48.0	52.8	89.93	-5,507.7	-615.6	889.9	790.2	99.68	8.927	
17,400.0	11,396.0	17,338.0	11,395.0	48.7	53.6	89.93	-5,607.7	-615.0	889.9	788.7	101.22	8.791	
17,500.0	11,396.0	17,438.0	11,395.0	49.4	54.5	89.93	-5,707.7	-614.5	889.9	787.1	102.76	8.660	
17,600.0	11,396.0	17,538.0	11,395.0	50.1	55.3	89.93	-5,807.7	-613.9	889.9	785.6	104.30	8.532	
17,700.0	11,396.0	17,638.0	11,395.0	50.8	56.1	89.93	-5,907.7	-613.4	889.9	784.0	105.85	8.407	
17,800.0	11,396.0	17,738.0	11,395.0	51.5	57.0	89.93	-6,007.7	-612.9	889.8	782.5	107.39	8.286	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #11H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 10970-MWD+IFR1+FDIR							Rule Assigned:						Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
17,900.0	11,396.0	17,838.0	11,395.0	52.2	57.8	89.93	-6,107.7	-612.3	889.8	780.9	108.94	8.168		
18,000.0	11,396.0	17,938.0	11,395.0	52.9	58.7	89.93	-6,207.7	-611.8	889.8	779.3	110.49	8.054		
18,100.0	11,396.0	18,038.0	11,395.0	53.6	59.5	89.93	-6,307.7	-611.2	889.8	777.8	112.04	7.942		
18,200.0	11,396.0	18,138.0	11,395.0	54.3	60.4	89.93	-6,407.7	-610.7	889.8	776.2	113.59	7.834		
18,300.0	11,396.0	18,238.0	11,395.0	55.1	61.2	89.93	-6,507.7	-610.2	889.8	774.7	115.14	7.728		
18,400.0	11,396.0	18,338.0	11,395.0	55.8	62.0	89.93	-6,607.7	-609.6	889.8	773.1	116.69	7.625		
18,500.0	11,396.0	18,438.0	11,395.0	56.5	62.9	89.93	-6,707.7	-609.1	889.8	771.5	118.25	7.525		
18,529.9	11,396.0	18,468.0	11,395.0	56.7	63.1	89.93	-6,737.6	-608.9	889.8	771.1	118.71	7.495		
18,579.9	11,396.0	18,518.0	11,395.0	57.1	63.6	89.93	-6,787.6	-608.7	889.8	770.3	119.49	7.447		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #12H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 11124-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.1	0.1	3.0	3.0	-90.43	-0.1	-19.9	19.9				
100.0	100.0	100.1	100.1	3.0	3.0	-90.43	-0.1	-19.9	19.9	13.4	6.47	3.070	
200.0	200.0	200.1	200.1	3.2	3.0	-90.43	-0.1	-19.9	19.9	13.3	6.60	3.013	
300.0	300.0	300.1	300.1	3.3	3.0	-90.43	-0.1	-19.9	19.9	13.2	6.72	2.958	
400.0	400.0	400.1	400.1	3.4	3.0	-90.43	-0.1	-19.9	19.9	13.0	6.84	2.905	
500.0	500.0	500.1	500.1	3.5	3.1	-90.43	-0.1	-19.9	19.9	12.9	6.96	2.855	
600.0	600.0	600.1	600.1	3.7	3.1	-90.43	-0.1	-19.9	19.9	12.8	7.08	2.807	
700.0	700.0	700.1	700.1	3.8	3.1	-90.43	-0.1	-19.9	19.9	12.7	7.20	2.760	
800.0	800.0	800.1	800.1	3.9	3.2	-90.43	-0.1	-19.9	19.9	12.6	7.32	2.715	
900.0	900.0	900.1	900.1	4.0	3.2	-90.43	-0.1	-19.9	19.9	12.4	7.44	2.672	
1,000.0	1,000.0	1,000.1	1,000.1	4.2	3.2	-90.43	-0.1	-19.9	19.9	12.3	7.56	2.631	
1,100.0	1,100.0	1,100.1	1,100.1	4.3	3.3	-90.43	-0.1	-19.9	19.9	12.2	7.67	2.591	
1,200.0	1,200.0	1,200.1	1,200.1	4.4	3.4	-90.43	-0.1	-19.9	19.9	12.1	7.79	2.552	
1,300.0	1,300.0	1,300.1	1,300.1	4.5	3.4	-90.43	-0.1	-19.9	19.9	12.0	7.91	2.515	
1,400.0	1,400.0	1,400.1	1,400.1	4.6	3.5	-90.43	-0.1	-19.9	19.9	11.9	8.02	2.479	
1,500.0	1,500.0	1,500.1	1,500.1	4.8	3.5	-90.43	-0.1	-19.9	19.9	11.7	8.13	2.444	
1,600.0	1,600.0	1,600.1	1,600.1	4.9	3.6	-90.43	-0.1	-19.9	19.9	11.6	8.25	2.410	
1,700.0	1,700.0	1,700.1	1,700.1	5.0	3.7	-90.43	-0.1	-19.9	19.9	11.5	8.36	2.377	
1,800.0	1,800.0	1,800.1	1,800.1	5.1	3.8	-90.43	-0.1	-19.9	19.9	11.4	8.48	2.346	
1,900.0	1,900.0	1,900.1	1,900.1	5.2	3.9	-90.43	-0.1	-19.9	19.9	11.3	8.59	2.315	
2,000.0	2,000.0	2,000.1	2,000.1	5.3	3.9	-90.43	-0.1	-19.9	19.9	11.2	8.70	2.285 CC, ES, SF	
2,100.0	2,100.0	2,100.1	2,100.1	5.5	4.0	-117.87	-0.1	-19.9	20.6	11.8	8.85	2.333	
2,200.0	2,199.8	2,199.9	2,199.9	5.7	4.1	-129.15	-0.1	-19.9	23.5	14.3	9.20	2.559	
2,300.0	2,299.5	2,299.6	2,299.6	6.0	4.2	-142.15	-0.1	-19.9	29.8	20.1	9.75	3.060	
2,350.0	2,349.1	2,349.2	2,349.2	6.1	4.3	-147.87	-0.1	-19.9	34.5	24.5	9.98	3.455	
2,400.0	2,398.8	2,398.9	2,398.9	6.1	4.3	-152.53	-0.1	-19.9	39.8	29.6	10.20	3.902	
2,500.0	2,498.0	2,498.1	2,498.1	6.3	4.4	-158.86	-0.1	-19.9	50.9	40.3	10.66	4.775	
2,600.0	2,597.3	2,598.3	2,598.3	6.6	4.5	-161.53	1.4	-20.5	61.7	50.7	11.05	5.583	
2,700.0	2,696.5	2,698.9	2,698.7	6.8	4.6	-160.86	6.2	-22.6	71.1	59.7	11.37	6.251	
2,800.0	2,795.8	2,799.5	2,799.0	7.1	4.7	-158.01	14.2	-26.0	79.0	67.4	11.62	6.799	
2,900.0	2,895.0	2,900.1	2,898.8	7.4	4.8	-153.48	25.5	-30.8	86.0	74.2	11.82	7.279	
3,000.0	2,994.3	2,999.5	2,997.2	7.7	4.9	-148.65	38.2	-36.2	93.1	81.1	11.99	7.766	
3,100.0	3,093.5	3,099.0	3,095.7	8.0	4.9	-144.52	51.0	-41.7	100.7	88.5	12.16	8.280	
3,200.0	3,192.8	3,198.4	3,194.2	8.3	5.0	-140.99	63.7	-47.1	108.8	96.4	12.35	8.810	
3,300.0	3,292.0	3,297.9	3,292.7	8.6	5.1	-137.95	76.4	-52.5	117.2	104.7	12.54	9.346	
3,400.0	3,391.3	3,397.4	3,391.2	8.9	5.2	-135.32	89.2	-57.9	125.9	113.2	12.74	9.882	
3,500.0	3,490.6	3,496.8	3,489.7	9.3	5.3	-133.04	101.9	-63.4	134.8	121.9	12.95	10.413	
3,600.0	3,589.8	3,596.3	3,588.2	9.6	5.4	-131.04	114.7	-68.8	144.0	130.8	13.16	10.936	
3,700.0	3,689.1	3,695.8	3,686.7	10.0	5.5	-129.28	127.4	-74.2	153.2	139.8	13.38	11.448	
3,800.0	3,788.3	3,795.2	3,785.2	10.3	5.6	-127.72	140.1	-79.6	162.6	149.0	13.61	11.950	
3,900.0	3,887.6	3,894.7	3,883.7	10.7	5.7	-126.34	152.9	-85.1	172.1	158.3	13.84	12.439	
4,000.0	3,986.8	3,994.2	3,982.2	11.1	5.9	-125.10	165.6	-90.5	181.7	167.7	14.07	12.915	
4,100.0	4,086.1	4,093.6	4,080.7	11.4	6.0	-123.98	178.3	-95.9	191.4	177.1	14.31	13.377	
4,200.0	4,185.3	4,193.1	4,179.2	11.8	6.1	-122.97	191.1	-101.3	201.1	186.6	14.55	13.826	
4,300.0	4,284.6	4,292.6	4,277.7	12.2	6.2	-122.06	203.8	-106.8	210.9	196.1	14.79	14.262	
4,400.0	4,383.8	4,392.0	4,376.2	12.6	6.3	-121.22	216.5	-112.2	220.8	205.7	15.03	14.685	
4,500.0	4,483.1	4,491.5	4,474.7	12.9	6.4	-120.46	229.3	-117.6	230.7	215.4	15.28	15.094	
4,600.0	4,582.4	4,591.0	4,573.2	13.3	6.5	-119.76	242.0	-123.0	240.6	225.1	15.53	15.491	
4,700.0	4,681.6	4,690.4	4,671.7	13.7	6.6	-119.12	254.7	-128.5	250.5	234.8	15.78	15.876	
4,800.0	4,780.9	4,789.9	4,770.2	14.1	6.7	-118.52	267.5	-133.9	260.5	244.5	16.03	16.248	
4,900.0	4,880.1	4,889.4	4,868.7	14.5	6.8	-117.97	280.2	-139.3	270.5	254.3	16.29	16.609	
5,000.0	4,979.4	4,988.8	4,967.2	14.9	7.0	-117.46	292.9	-144.7	280.6	264.0	16.54	16.959	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #12H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 11124-MWD+IFR1+FDIR													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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
5,100.0	5,078.6	5,088.3	5,065.7	15.3	7.1	-116.98	305.7	-150.2	290.6	273.8	16.80	17.297	
5,200.0	5,177.9	5,187.8	5,164.2	15.7	7.2	-116.54	318.4	-155.6	300.7	283.6	17.06	17.625	
5,300.0	5,277.1	5,287.2	5,262.7	16.1	7.3	-116.12	331.2	-161.0	310.8	293.5	17.32	17.943	
5,400.0	5,376.4	5,386.7	5,361.2	16.5	7.4	-115.73	343.9	-166.4	320.9	303.3	17.58	18.250	
5,500.0	5,475.7	5,486.1	5,459.7	16.9	7.5	-115.37	356.6	-171.9	331.0	313.2	17.85	18.548	
5,600.0	5,574.9	5,585.6	5,558.2	17.3	7.6	-115.02	369.4	-177.3	341.1	323.0	18.11	18.837	
5,700.0	5,674.2	5,685.1	5,656.7	17.7	7.8	-114.70	382.1	-182.7	351.3	332.9	18.38	19.117	
5,800.0	5,773.4	5,784.5	5,755.2	18.1	7.9	-114.39	394.8	-188.1	361.4	342.8	18.64	19.388	
5,900.0	5,872.7	5,884.0	5,853.7	18.5	8.0	-114.11	407.6	-193.6	371.6	352.7	18.91	19.651	
6,000.0	5,971.9	5,983.5	5,952.2	18.9	8.1	-113.83	420.3	-199.0	381.8	362.6	19.18	19.906	
6,100.0	6,071.2	6,082.9	6,050.7	19.3	8.2	-113.57	433.0	-204.4	391.9	372.5	19.45	20.152	
6,200.0	6,170.4	6,183.8	6,150.6	19.7	8.4	-113.35	445.7	-209.8	402.0	382.3	19.73	20.380	
6,300.0	6,269.7	6,286.1	6,252.2	20.1	8.5	-113.35	457.1	-214.7	411.5	391.5	20.04	20.535	
6,400.0	6,368.9	6,388.6	6,354.0	20.5	8.6	-113.58	466.9	-218.8	420.4	400.0	20.39	20.613	
6,500.0	6,468.2	6,491.0	6,456.1	20.9	8.7	-114.03	474.9	-222.3	428.5	407.7	20.78	20.617	
6,557.2	6,525.0	6,549.6	6,514.6	21.1	8.8	-114.38	478.8	-223.9	432.9	411.9	21.01	20.608	
6,600.0	6,567.5	6,593.5	6,558.3	21.3	8.8	-114.69	481.3	-225.0	436.0	414.9	21.18	20.589	
6,700.0	6,666.8	6,695.9	6,660.6	21.7	9.0	-115.48	486.0	-227.0	442.7	421.0	21.63	20.463	
6,800.0	6,766.3	6,798.2	6,762.9	22.1	9.1	-116.36	489.0	-228.3	448.4	426.3	22.11	20.283	
6,900.0	6,865.8	6,900.5	6,865.1	22.5	9.2	-117.32	490.4	-228.8	453.2	430.6	22.61	20.045	
7,000.0	6,965.4	7,000.8	6,965.5	22.9	9.3	-118.31	490.4	-228.9	457.4	434.2	23.12	19.781	
7,100.0	7,065.1	7,100.5	7,065.2	23.2	9.5	-119.19	490.4	-228.9	461.2	437.6	23.61	19.531	
7,200.0	7,164.8	7,200.3	7,164.9	23.6	9.6	-119.97	490.4	-228.9	464.6	440.6	24.08	19.294	
7,300.0	7,264.6	7,300.1	7,264.7	23.9	9.7	-120.63	490.4	-228.9	467.8	443.2	24.53	19.068	
7,400.0	7,364.5	7,399.9	7,364.6	24.3	9.8	-121.20	490.4	-228.9	470.5	445.5	24.95	18.854	
7,500.0	7,464.4	7,499.8	7,464.5	24.6	9.9	-121.67	490.4	-228.9	472.8	447.4	25.35	18.652	
7,600.0	7,564.3	7,599.8	7,564.4	24.9	10.1	-122.04	490.4	-228.9	474.7	449.0	25.71	18.461	
7,700.0	7,664.3	7,699.7	7,664.4	25.2	10.2	-122.32	490.4	-228.9	476.1	450.1	26.04	18.283	
7,800.0	7,764.3	7,799.7	7,764.4	25.5	10.3	-122.51	490.4	-228.9	477.1	450.7	26.33	18.119	
7,900.0	7,864.3	7,899.7	7,864.4	25.7	10.4	-122.60	490.4	-228.9	477.6	451.0	26.57	17.973	
7,957.2	7,921.5	7,957.0	7,921.6	25.8	10.5	-99.62	490.4	-228.9	477.7	451.0	26.65	17.925	
8,000.0	7,964.3	7,999.7	7,964.4	25.8	10.6	-99.62	490.4	-228.9	477.7	451.0	26.68	17.905	
8,100.0	8,064.3	8,099.7	8,064.4	25.8	10.7	-99.62	490.4	-228.9	477.7	450.9	26.78	17.835	
8,200.0	8,164.3	8,199.7	8,164.4	25.9	10.8	-99.62	490.4	-228.9	477.7	450.8	26.89	17.765	
8,300.0	8,264.3	8,299.7	8,264.4	25.9	10.9	-99.62	490.4	-228.9	477.7	450.7	26.99	17.695	
8,400.0	8,364.3	8,399.7	8,364.4	26.0	11.0	-99.62	490.4	-228.9	477.7	450.6	27.10	17.625	
8,500.0	8,464.3	8,499.7	8,464.4	26.0	11.2	-99.62	490.4	-228.9	477.7	450.4	27.21	17.556	
8,600.0	8,564.3	8,599.7	8,564.4	26.1	11.3	-99.62	490.4	-228.9	477.7	450.3	27.31	17.487	
8,700.0	8,664.3	8,699.7	8,664.4	26.1	11.4	-99.62	490.4	-228.9	477.7	450.2	27.42	17.418	
8,800.0	8,764.3	8,799.7	8,764.4	26.1	11.5	-99.62	490.4	-228.9	477.7	450.1	27.53	17.350	
8,900.0	8,864.3	8,899.7	8,864.4	26.2	11.7	-99.62	490.4	-228.9	477.7	450.0	27.64	17.282	
9,000.0	8,964.3	8,999.7	8,964.4	26.2	11.8	-99.62	490.4	-228.9	477.7	449.9	27.75	17.214	
9,100.0	9,064.3	9,099.7	9,064.4	26.3	11.9	-99.62	490.4	-228.9	477.7	449.8	27.86	17.146	
9,200.0	9,164.3	9,199.7	9,164.4	26.3	12.0	-99.62	490.4	-228.9	477.7	449.7	27.97	17.079	
9,300.0	9,264.3	9,299.7	9,264.4	26.4	12.2	-99.62	490.4	-228.9	477.7	449.6	28.08	17.012	
9,400.0	9,364.3	9,399.7	9,364.4	26.4	12.3	-99.62	490.4	-228.9	477.7	449.5	28.19	16.945	
9,500.0	9,464.3	9,499.7	9,464.4	26.5	12.4	-99.62	490.4	-228.9	477.7	449.4	28.30	16.878	
9,600.0	9,564.3	9,599.7	9,564.4	26.5	12.5	-99.62	490.4	-228.9	477.7	449.2	28.41	16.812	
9,700.0	9,664.3	9,699.7	9,664.4	26.5	12.7	-99.62	490.4	-228.9	477.7	449.1	28.52	16.746	
9,800.0	9,764.3	9,799.7	9,764.4	26.6	12.8	-99.62	490.4	-228.9	477.7	449.0	28.64	16.681	
9,900.0	9,864.3	9,899.7	9,864.4	26.6	12.9	-99.62	490.4	-228.9	477.7	448.9	28.75	16.615	
10,000.0	9,964.3	9,999.7	9,964.4	26.7	13.0	-99.62	490.4	-228.9	477.7	448.8	28.86	16.550	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #12H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 11124-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,100.0	10,064.3	10,099.7	10,064.4	26.7	13.2	-99.62	490.4	-228.9	477.7	448.7	28.97	16.485	
10,200.0	10,164.3	10,199.7	10,164.4	26.8	13.3	-99.62	490.4	-228.9	477.7	448.6	29.09	16.421	
10,300.0	10,264.3	10,299.7	10,264.4	26.8	13.4	-99.62	490.4	-228.9	477.7	448.5	29.20	16.357	
10,400.0	10,364.3	10,399.7	10,364.4	26.9	13.6	-99.62	490.4	-228.9	477.7	448.3	29.32	16.293	
10,500.0	10,464.3	10,499.7	10,464.4	26.9	13.7	-99.62	490.4	-228.9	477.7	448.2	29.43	16.230	
10,600.0	10,564.3	10,599.7	10,564.4	27.0	13.8	-99.62	490.4	-228.9	477.7	448.1	29.55	16.166	
10,700.0	10,664.3	10,699.7	10,664.4	27.0	13.9	-99.62	490.4	-228.9	477.7	448.0	29.66	16.103	
10,800.0	10,764.3	10,799.7	10,764.4	27.1	14.1	-99.62	490.4	-228.9	477.7	447.9	29.78	16.041	
10,900.0	10,864.3	10,899.7	10,864.4	27.1	14.2	-99.62	490.4	-228.9	477.7	447.8	29.89	15.979	
10,954.2	10,918.5	10,954.0	10,918.6	27.1	14.3	-99.62	490.4	-228.9	477.7	447.7	29.93	15.957	
10,975.0	10,939.3	10,974.7	10,939.4	27.1	14.3	80.75	490.4	-228.9	477.6	447.7	29.93	15.958	
11,000.0	10,964.2	10,999.7	10,964.3	27.1	14.3	80.99	490.4	-228.9	477.3	447.4	29.88	15.973	
11,025.0	10,989.0	11,024.5	10,989.1	27.1	14.3	81.40	490.4	-228.9	476.8	447.0	29.79	16.005	
11,050.0	11,013.6	11,049.1	11,013.7	27.1	14.4	81.98	490.4	-228.9	476.2	446.5	29.66	16.055	
11,075.0	11,038.0	11,073.4	11,038.1	27.1	14.4	82.73	490.4	-228.9	475.4	445.9	29.49	16.122	
11,100.0	11,062.0	11,097.5	11,062.1	27.1	14.4	83.62	490.4	-228.9	474.6	445.3	29.28	16.210	
11,125.0	11,085.7	11,121.1	11,085.8	27.2	14.5	84.65	490.4	-228.9	473.7	444.7	29.03	16.318	
11,150.0	11,108.9	11,142.8	11,107.4	27.2	14.5	85.69	490.1	-228.9	472.9	444.1	28.75	16.449	
11,175.0	11,131.5	11,164.5	11,129.1	27.2	14.5	86.73	488.7	-228.9	472.2	443.8	28.47	16.588	
11,200.0	11,153.6	11,186.6	11,151.1	27.2	14.5	87.78	486.3	-228.9	471.8	443.6	28.20	16.732	
11,225.0	11,175.0	11,209.1	11,173.3	27.2	14.5	88.84	482.9	-228.8	471.5	443.5	27.93	16.879	
11,250.0	11,195.7	11,231.9	11,195.7	27.2	14.5	89.91	478.3	-228.8	471.4	443.7	27.68	17.027	
11,252.2	11,197.5	11,234.0	11,197.7	27.2	14.5	90.01	477.8	-228.8	471.4	443.7	27.66	17.040	
11,275.0	11,215.7	11,255.2	11,218.2	27.2	14.5	90.99	472.5	-228.8	471.4	444.0	27.45	17.174	
11,300.0	11,234.9	11,278.9	11,240.9	27.2	14.5	92.07	465.5	-228.7	471.7	444.5	27.24	17.317	
11,325.0	11,253.1	11,303.2	11,263.6	27.2	14.5	93.16	457.2	-228.7	472.2	445.1	27.06	17.453	
11,350.0	11,270.5	11,327.9	11,286.4	27.3	14.5	94.25	447.5	-228.6	472.9	446.0	26.90	17.578	
11,375.0	11,286.9	11,353.2	11,309.1	27.3	14.5	95.34	436.4	-228.6	473.8	447.0	26.78	17.688	
11,400.0	11,302.3	11,379.1	11,331.8	27.3	14.6	96.42	423.8	-228.5	474.8	448.1	26.71	17.779	
11,425.0	11,316.6	11,405.6	11,354.2	27.3	14.6	97.50	409.7	-228.4	476.1	449.4	26.68	17.847	
11,450.0	11,329.9	11,432.8	11,376.3	27.3	14.6	98.57	393.9	-228.3	477.6	450.9	26.70	17.889	
11,475.0	11,342.0	11,460.7	11,398.1	27.3	14.6	99.63	376.5	-228.3	479.2	452.4	26.77	17.900	
11,500.0	11,353.0	11,489.4	11,419.4	27.3	14.6	100.68	357.2	-228.1	480.9	454.0	26.90	17.879	
11,525.0	11,362.7	11,518.8	11,440.0	27.3	14.7	101.71	336.2	-228.0	482.8	455.7	27.09	17.824	
11,550.0	11,371.3	11,549.2	11,459.8	27.4	14.7	102.73	313.2	-227.9	484.8	457.5	27.34	17.734	
11,575.0	11,378.6	11,580.3	11,478.6	27.4	14.7	103.72	288.3	-227.8	486.9	459.2	27.65	17.609	
11,600.0	11,384.7	11,612.4	11,496.2	27.4	14.7	104.68	261.5	-227.6	489.0	461.0	28.02	17.452	
11,625.0	11,389.4	11,645.5	11,512.4	27.4	14.8	105.61	232.8	-227.5	491.2	462.7	28.45	17.266	
11,650.0	11,392.9	11,679.4	11,526.9	27.4	14.8	106.50	202.1	-227.3	493.3	464.4	28.93	17.055	
11,675.0	11,395.1	11,714.4	11,539.6	27.4	14.8	107.34	169.5	-227.1	495.4	466.0	29.45	16.824	
11,700.0	11,396.0	11,750.2	11,550.1	27.4	14.9	108.13	135.2	-226.9	497.5	467.5	30.00	16.580	
11,704.2	11,396.0	11,756.4	11,551.6	27.4	14.9	108.26	129.2	-226.9	497.8	467.7	30.10	16.537	
11,800.0	11,396.0	11,892.4	11,566.0	27.4	14.9	109.82	-5.6	-226.1	500.9	469.1	31.81	15.745	
11,900.0	11,396.0	11,992.4	11,566.0	27.5	14.9	109.82	-105.6	-225.6	500.9	468.7	32.21	15.549	
12,000.0	11,396.0	12,092.4	11,566.0	27.5	15.0	109.82	-205.6	-225.0	500.9	468.2	32.69	15.323	
12,100.0	11,396.0	12,192.4	11,566.0	27.5	15.0	109.82	-305.6	-224.5	500.9	467.6	33.23	15.071	
12,200.0	11,396.0	12,292.4	11,566.0	27.6	15.1	109.83	-405.6	-223.9	500.8	467.0	33.85	14.798	
12,300.0	11,396.0	12,392.4	11,566.0	27.6	15.1	109.83	-505.6	-223.4	500.8	466.3	34.52	14.507	
12,400.0	11,396.0	12,492.4	11,566.0	27.7	15.2	109.83	-605.6	-222.8	500.8	465.5	35.26	14.203	
12,500.0	11,396.0	12,592.4	11,566.0	27.7	15.3	109.83	-705.5	-222.3	500.8	464.7	36.05	13.890	
12,600.0	11,396.0	12,692.4	11,566.0	27.8	15.4	109.83	-805.5	-221.7	500.8	463.9	36.90	13.571	
12,700.0	11,396.0	12,792.4	11,566.0	27.9	15.8	109.83	-905.5	-221.2	500.7	463.0	37.79	13.249	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #12H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11124-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Rule Assigned:												Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,800.0	11,396.0	12,892.4	11,566.0	27.9	16.2	109.83	-1,005.5	-220.6	500.7	462.0	38.74	12.927	
12,900.0	11,396.0	12,992.4	11,566.0	28.0	16.9	109.83	-1,105.5	-220.1	500.7	461.0	39.72	12.606	
13,000.0	11,396.0	13,092.4	11,566.0	28.1	17.5	109.83	-1,205.5	-219.5	500.7	459.9	40.74	12.289	
13,100.0	11,396.0	13,192.4	11,566.0	28.2	18.2	109.83	-1,305.5	-219.0	500.7	458.9	41.80	11.977	
13,200.0	11,396.0	13,292.4	11,566.0	28.4	19.0	109.83	-1,405.5	-218.4	500.6	457.8	42.90	11.671	
13,300.0	11,396.0	13,392.4	11,566.0	28.5	19.7	109.84	-1,505.5	-217.9	500.6	456.6	44.02	11.373	
13,400.0	11,396.0	13,492.4	11,566.0	28.6	20.5	109.84	-1,605.5	-217.3	500.6	455.4	45.17	11.082	
13,500.0	11,396.0	13,592.4	11,566.0	28.8	21.2	109.84	-1,705.5	-216.7	500.6	454.2	46.35	10.800	
13,600.0	11,396.0	13,692.4	11,566.0	28.9	22.0	109.84	-1,805.5	-216.2	500.6	453.0	47.56	10.526	
13,700.0	11,396.0	13,792.4	11,566.0	29.1	22.8	109.84	-1,905.5	-215.6	500.6	451.8	48.78	10.261	
13,800.0	11,396.0	13,892.4	11,566.0	29.3	23.6	109.84	-2,005.5	-215.1	500.5	450.5	50.03	10.004	
13,900.0	11,396.0	13,992.4	11,566.0	29.6	24.4	109.84	-2,105.5	-214.5	500.5	449.2	51.30	9.757	
14,000.0	11,396.0	14,092.4	11,566.0	29.8	25.2	109.84	-2,205.5	-214.0	500.5	447.9	52.59	9.518	
14,100.0	11,396.0	14,192.4	11,566.0	30.1	26.0	109.84	-2,305.5	-213.4	500.5	446.6	53.89	9.287	
14,200.0	11,396.0	14,292.4	11,566.0	30.4	26.8	109.84	-2,405.5	-212.9	500.5	445.2	55.21	9.065	
14,300.0	11,396.0	14,392.4	11,566.0	30.7	27.6	109.84	-2,505.5	-212.3	500.4	443.9	56.54	8.851	
14,400.0	11,396.0	14,492.4	11,566.0	31.0	28.4	109.85	-2,605.5	-211.8	500.4	442.5	57.89	8.645	
14,500.0	11,396.0	14,592.4	11,566.0	31.4	29.2	109.85	-2,705.5	-211.2	500.4	441.1	59.24	8.446	
14,600.0	11,396.0	14,692.4	11,566.0	31.8	30.0	109.85	-2,805.5	-210.7	500.4	439.8	60.61	8.255	
14,700.0	11,396.0	14,792.4	11,566.0	32.2	30.8	109.85	-2,905.5	-210.1	500.4	438.4	62.00	8.071	
14,800.0	11,396.0	14,892.4	11,566.0	32.6	31.6	109.85	-3,005.5	-209.6	500.3	436.9	63.39	7.893	
14,900.0	11,396.0	14,992.4	11,566.0	33.1	32.5	109.85	-3,105.5	-209.0	500.3	435.5	64.79	7.722	
15,000.0	11,396.0	15,092.4	11,566.0	33.6	33.3	109.85	-3,205.5	-208.5	500.3	434.1	66.20	7.557	
15,100.0	11,396.0	15,192.4	11,566.0	34.1	34.1	109.85	-3,305.5	-207.9	500.3	432.7	67.62	7.399	
15,200.0	11,396.0	15,292.4	11,566.0	34.6	34.9	109.85	-3,405.5	-207.4	500.3	431.2	69.04	7.245	
15,300.0	11,396.0	15,392.4	11,566.0	35.2	35.8	109.85	-3,505.5	-206.8	500.2	429.8	70.48	7.098	
15,400.0	11,396.0	15,492.4	11,566.0	35.7	36.6	109.85	-3,605.5	-206.3	500.2	428.3	71.92	6.955	
15,500.0	11,396.0	15,592.4	11,566.0	36.3	37.4	109.85	-3,705.5	-205.7	500.2	426.8	73.36	6.818	
15,600.0	11,396.0	15,692.4	11,566.0	36.9	38.3	109.86	-3,805.5	-205.1	500.2	425.4	74.82	6.685	
15,700.0	11,396.0	15,792.4	11,566.0	37.5	39.1	109.86	-3,905.5	-204.6	500.2	423.9	76.28	6.557	
15,800.0	11,396.0	15,892.4	11,566.0	38.1	39.9	109.86	-4,005.5	-204.0	500.1	422.4	77.74	6.433	
15,900.0	11,396.0	15,992.4	11,566.0	38.7	40.8	109.86	-4,105.5	-203.5	500.1	420.9	79.21	6.314	
16,000.0	11,396.0	16,092.4	11,566.0	39.3	41.6	109.86	-4,205.5	-202.9	500.1	419.4	80.69	6.198	
16,100.0	11,396.0	16,192.4	11,566.0	40.0	42.4	109.86	-4,305.5	-202.4	500.1	417.9	82.16	6.086	
16,200.0	11,396.0	16,292.4	11,566.0	40.6	43.3	109.86	-4,405.5	-201.8	500.1	416.4	83.65	5.978	
16,300.0	11,396.0	16,392.4	11,566.0	41.3	44.1	109.86	-4,505.5	-201.3	500.0	414.9	85.14	5.873	
16,400.0	11,396.0	16,492.4	11,566.0	41.9	45.0	109.86	-4,605.5	-200.7	500.0	413.4	86.63	5.772	
16,500.0	11,396.0	16,592.4	11,566.0	42.6	45.8	109.86	-4,705.5	-200.2	500.0	411.9	88.12	5.674	
16,600.0	11,396.0	16,692.4	11,566.0	43.2	46.6	109.86	-4,805.5	-199.6	500.0	410.4	89.62	5.579	
16,700.0	11,396.0	16,792.4	11,566.0	43.9	47.5	109.87	-4,905.5	-199.1	500.0	408.8	91.12	5.487	
16,800.0	11,396.0	16,892.4	11,566.0	44.6	48.3	109.87	-5,005.5	-198.5	499.9	407.3	92.63	5.397	
16,900.0	11,396.0	16,992.4	11,566.0	45.3	49.2	109.87	-5,105.5	-198.0	499.9	405.8	94.14	5.311	
17,000.0	11,396.0	17,092.4	11,566.0	45.9	50.0	109.87	-5,205.5	-197.4	499.9	404.2	95.65	5.226	
17,100.0	11,396.0	17,192.4	11,566.0	46.6	50.9	109.87	-5,305.5	-196.9	499.9	402.7	97.16	5.145	
17,200.0	11,396.0	17,292.4	11,566.0	47.3	51.7	109.87	-5,405.5	-196.3	499.9	401.2	98.68	5.065	
17,300.0	11,396.0	17,392.4	11,566.0	48.0	52.5	109.87	-5,505.5	-195.8	499.8	399.6	100.20	4.988	
17,400.0	11,396.0	17,492.4	11,566.0	48.7	53.4	109.87	-5,605.5	-195.2	499.8	398.1	101.72	4.914	
17,500.0	11,396.0	17,592.4	11,566.0	49.4	54.2	109.87	-5,705.5	-194.6	499.8	396.5	103.24	4.841	
17,600.0	11,396.0	17,692.4	11,566.0	50.1	55.1	109.87	-5,805.5	-194.1	499.8	395.0	104.77	4.770	
17,700.0	11,396.0	17,792.4	11,566.0	50.8	55.9	109.87	-5,905.5	-193.5	499.8	393.5	106.30	4.702	
17,800.0	11,396.0	17,892.4	11,566.0	51.5	56.8	109.88	-6,005.5	-193.0	499.7	391.9	107.83	4.635	
17,900.0	11,396.0	17,992.4	11,566.0	52.2	57.6	109.88	-6,105.5	-192.4	499.7	390.4	109.36	4.570	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #12H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11124-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,000.0	11,396.0	18,092.4	11,566.0	52.9	58.5	109.88	-6,205.5	-191.9	499.7	388.8	110.89	4.506		
18,100.0	11,396.0	18,192.4	11,566.0	53.6	59.3	109.88	-6,305.5	-191.3	499.7	387.2	112.43	4.444		
18,200.0	11,396.0	18,292.4	11,566.0	54.3	60.2	109.88	-6,405.5	-190.8	499.7	385.7	113.96	4.384		
18,300.0	11,396.0	18,392.4	11,566.0	55.1	61.0	109.88	-6,505.5	-190.2	499.6	384.1	115.50	4.326		
18,400.0	11,396.0	18,492.4	11,566.0	55.8	61.9	109.88	-6,605.5	-189.7	499.6	382.6	117.04	4.269		
18,500.0	11,396.0	18,592.4	11,566.0	56.5	62.7	109.88	-6,705.5	-189.1	499.6	381.0	118.59	4.213		
18,529.9	11,396.0	18,622.3	11,566.0	56.7	62.9	109.88	-6,735.4	-189.0	499.6	380.6	118.99	4.199		
18,579.9	11,396.0	18,672.3	11,566.0	57.1	63.2	109.88	-6,785.4	-188.7	499.6	379.9	119.63	4.176		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #9H - OWB - PWP1													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 11048-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-90.33	-0.5	-79.7	79.7				
100.0	100.0	99.8	99.8	3.0	3.0	-90.33	-0.5	-79.7	79.7	73.2	6.47	12.312	
200.0	200.0	199.8	199.8	3.2	3.0	-90.33	-0.5	-79.7	79.7	73.1	6.60	12.082	
300.0	300.0	299.8	299.8	3.3	3.0	-90.33	-0.5	-79.7	79.7	73.0	6.72	11.862	
400.0	400.0	399.8	399.8	3.4	3.0	-90.33	-0.5	-79.7	79.7	72.9	6.84	11.651	
500.0	500.0	499.8	499.8	3.5	3.1	-90.33	-0.5	-79.7	79.7	72.8	6.96	11.449	
600.0	600.0	599.8	599.8	3.7	3.1	-90.33	-0.5	-79.7	79.7	72.6	7.08	11.255	
700.0	700.0	699.8	699.8	3.8	3.1	-90.33	-0.5	-79.7	79.7	72.5	7.20	11.068	
800.0	800.0	799.8	799.8	3.9	3.2	-90.33	-0.5	-79.7	79.7	72.4	7.32	10.889	
900.0	900.0	899.8	899.8	4.0	3.2	-90.33	-0.5	-79.7	79.7	72.3	7.44	10.716	
1,000.0	1,000.0	999.8	999.8	4.2	3.2	-90.33	-0.5	-79.7	79.7	72.2	7.56	10.550	
1,100.0	1,100.0	1,099.8	1,099.8	4.3	3.3	-90.33	-0.5	-79.7	79.7	72.0	7.67	10.390	
1,200.0	1,200.0	1,199.8	1,199.8	4.4	3.4	-90.33	-0.5	-79.7	79.7	71.9	7.79	10.235	
1,300.0	1,300.0	1,299.8	1,299.8	4.5	3.4	-90.33	-0.5	-79.7	79.7	71.8	7.90	10.085	
1,400.0	1,400.0	1,399.8	1,399.8	4.6	3.5	-90.33	-0.5	-79.7	79.7	71.7	8.02	9.940	
1,500.0	1,500.0	1,499.8	1,499.8	4.8	3.5	-90.33	-0.5	-79.7	79.7	71.6	8.13	9.800	
1,600.0	1,600.0	1,599.8	1,599.8	4.9	3.6	-90.33	-0.5	-79.7	79.7	71.5	8.25	9.665	
1,700.0	1,700.0	1,699.8	1,699.8	5.0	3.7	-90.33	-0.5	-79.7	79.7	71.4	8.36	9.533	
1,800.0	1,800.0	1,799.8	1,799.8	5.1	3.8	-90.33	-0.5	-79.7	79.7	71.2	8.48	9.406	
1,900.0	1,900.0	1,899.8	1,899.8	5.2	3.9	-90.33	-0.5	-79.7	79.7	71.1	8.59	9.282	
2,000.0	2,000.0	1,999.8	1,999.8	5.3	3.9	-90.33	-0.5	-79.7	79.7	71.0	8.70	9.162 CC, ES, SF	
2,100.0	2,100.0	2,097.1	2,097.1	5.5	4.0	-114.05	0.0	-81.3	82.0	73.2	8.83	9.293	
2,200.0	2,199.8	2,194.1	2,193.9	5.7	4.0	-115.98	1.4	-86.0	89.1	80.0	9.05	9.847	
2,300.0	2,299.5	2,290.3	2,289.8	6.0	4.1	-118.55	3.6	-93.8	101.0	91.7	9.28	10.881	
2,350.0	2,349.1	2,338.0	2,337.2	6.1	4.1	-119.90	5.1	-98.9	108.8	99.5	9.35	11.637	
2,400.0	2,398.8	2,385.4	2,384.3	6.1	4.1	-121.21	6.7	-104.6	117.7	108.2	9.42	12.491	
2,500.0	2,498.0	2,479.6	2,477.3	6.3	4.2	-122.85	10.7	-118.2	137.7	128.0	9.65	14.273	
2,600.0	2,597.3	2,572.6	2,568.8	6.6	4.2	-123.55	15.4	-134.5	160.6	150.7	9.87	16.276	
2,700.0	2,696.5	2,668.0	2,662.1	6.8	4.3	-123.75	20.8	-153.4	185.6	175.5	10.11	18.370	
2,800.0	2,795.8	2,764.8	2,756.8	7.1	4.4	-123.89	26.4	-172.8	210.8	200.4	10.36	20.348	
2,900.0	2,895.0	2,861.6	2,851.5	7.4	4.4	-123.99	32.0	-192.1	236.0	225.3	10.62	22.213	
3,000.0	2,994.3	2,958.3	2,946.1	7.7	4.5	-124.08	37.6	-211.4	261.1	250.2	10.89	23.969	
3,100.0	3,093.5	3,055.1	3,040.8	8.0	4.6	-124.15	43.2	-230.8	286.3	275.1	11.17	25.622	
3,200.0	3,192.8	3,151.9	3,135.5	8.3	4.7	-124.21	48.8	-250.1	311.4	300.0	11.46	27.176	
3,300.0	3,292.0	3,248.7	3,230.1	8.6	4.7	-124.26	54.4	-269.4	336.6	324.9	11.75	28.638	
3,400.0	3,391.3	3,345.5	3,324.8	8.9	4.8	-124.30	60.0	-288.8	361.8	349.7	12.05	30.012	
3,500.0	3,490.6	3,442.2	3,419.5	9.3	4.9	-124.34	65.5	-308.1	386.9	374.6	12.36	31.304	
3,600.0	3,589.8	3,539.0	3,514.1	9.6	5.0	-124.38	71.1	-327.4	412.1	399.4	12.67	32.519	
3,700.0	3,689.1	3,635.8	3,608.8	10.0	5.1	-124.40	76.7	-346.8	437.3	424.3	12.99	33.662	
3,800.0	3,788.3	3,732.6	3,703.5	10.3	5.2	-124.43	82.3	-366.1	462.4	449.1	13.31	34.738	
3,900.0	3,887.6	3,829.4	3,798.1	10.7	5.3	-124.45	87.9	-385.4	487.6	473.9	13.64	35.750	
4,000.0	3,986.8	3,926.2	3,892.8	11.1	5.4	-124.48	93.5	-404.7	512.8	498.8	13.97	36.704	
4,100.0	4,086.1	4,022.9	3,987.5	11.4	5.5	-124.49	99.1	-424.1	537.9	523.6	14.30	37.603	
4,200.0	4,185.3	4,119.7	4,082.1	11.8	5.6	-124.51	104.7	-443.4	563.1	548.4	14.64	38.451	
4,300.0	4,284.6	4,216.5	4,176.8	12.2	5.7	-124.53	110.2	-462.7	588.2	573.3	14.99	39.252	
4,400.0	4,383.8	4,313.3	4,271.5	12.6	5.8	-124.54	115.8	-482.1	613.4	598.1	15.33	40.007	
4,500.0	4,483.1	4,410.1	4,366.1	12.9	5.9	-124.56	121.4	-501.4	638.6	622.9	15.68	40.721	
4,600.0	4,582.4	4,506.9	4,460.8	13.3	6.0	-124.57	127.0	-520.7	663.7	647.7	16.03	41.397	
4,700.0	4,681.6	4,603.6	4,555.5	13.7	6.1	-124.58	132.6	-540.1	688.9	672.5	16.39	42.036	
4,800.0	4,780.9	4,700.4	4,650.1	14.1	6.3	-124.59	138.2	-559.4	714.1	697.3	16.75	42.641	
4,900.0	4,880.1	4,797.2	4,744.8	14.5	6.4	-124.60	143.8	-578.7	739.2	722.1	17.11	43.214	
5,000.0	4,979.4	4,894.0	4,839.5	14.9	6.5	-124.61	149.3	-598.1	764.4	746.9	17.47	43.758	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2731 PROJECT - ZIA HILLS UNIT 2731 WC #9H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 11048-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	5,078.6	4,990.8	4,934.1	15.3	6.6	-124.62	154.9	-617.4	789.5	771.7	17.83	44.273		
5,200.0	5,177.9	5,087.5	5,028.8	15.7	6.7	-124.63	160.5	-636.7	814.7	796.5	18.20	44.763		
5,300.0	5,277.1	5,184.3	5,123.5	16.1	6.9	-124.64	166.1	-656.0	839.9	821.3	18.57	45.228		
5,400.0	5,376.4	5,281.1	5,218.1	16.5	7.0	-124.64	171.7	-675.4	865.0	846.1	18.94	45.671		
5,500.0	5,475.7	5,377.9	5,312.8	16.9	7.1	-124.65	177.3	-694.7	890.2	870.9	19.31	46.091		
5,600.0	5,574.9	5,474.7	5,407.5	17.3	7.3	-124.66	182.9	-714.0	915.4	895.7	19.69	46.492		
5,700.0	5,674.2	5,571.5	5,502.1	17.7	7.4	-124.66	188.5	-733.4	940.5	920.5	20.07	46.873		
5,800.0	5,773.4	5,668.2	5,596.8	18.1	7.5	-124.67	194.0	-752.7	965.7	945.2	20.44	47.237		
5,900.0	5,872.7	5,765.0	5,691.5	18.5	7.7	-124.67	199.6	-772.0	990.9	970.0	20.82	47.583		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=30' @ 3175.8usft (SCAN QUEST)

Offset Depths are relative to Offset Datum

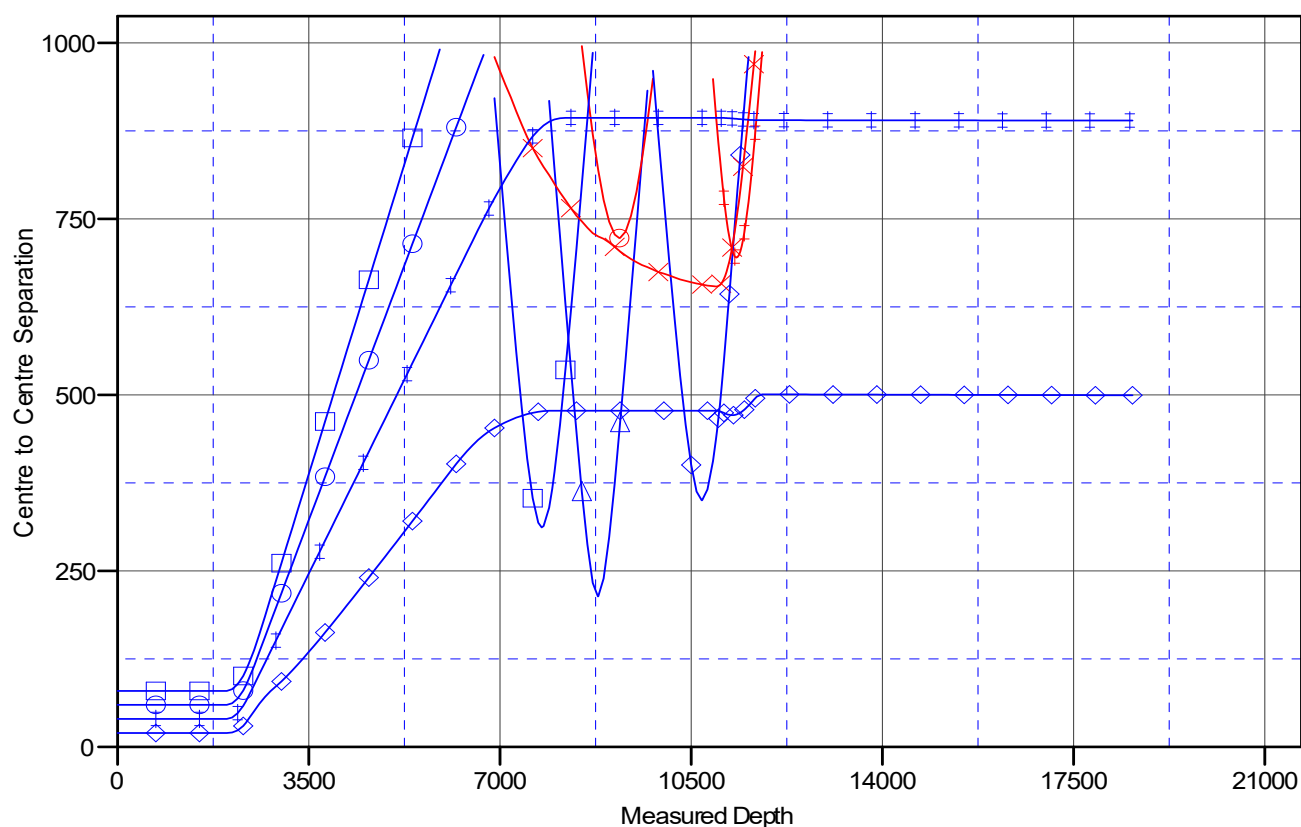
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2731 WC #13H

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

Grid Convergence at Surface is: 0.30°

Ladder Plot



LEGEND

BOROS FEDERAL #108H, OWB, PLAN2 V0	BOROS FEDERAL #24H, OWB, PLAN#1 V0	ZIA HILLS UNIT 2731 WC #12H, OWB, PWP1 V0
BOROS FEDERAL #114H, OWB, AWP V0	ZHU 2331 WC #1H, OWB, AWP V0	ZIA HILLS UNIT 2731 WC #9H, OWB, PWP1 V0
BOROS FEDERAL #134H, OWB, PLAN #2 V0	ZIA HILLS UNIT 2731 WC #10H, OWB, PWP1 V0	
BOROS FEDERAL #218H, OWB, AWP V0	ZIA HILLS UNIT 2731 WC #11H, OWB, PWP1 V0	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Reference Site:	ZIA HILLS UNIT 2731 PROJECT	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=30' @ 3175.8usft (SCAN QUEST)

Offset Depths are relative to Offset Datum

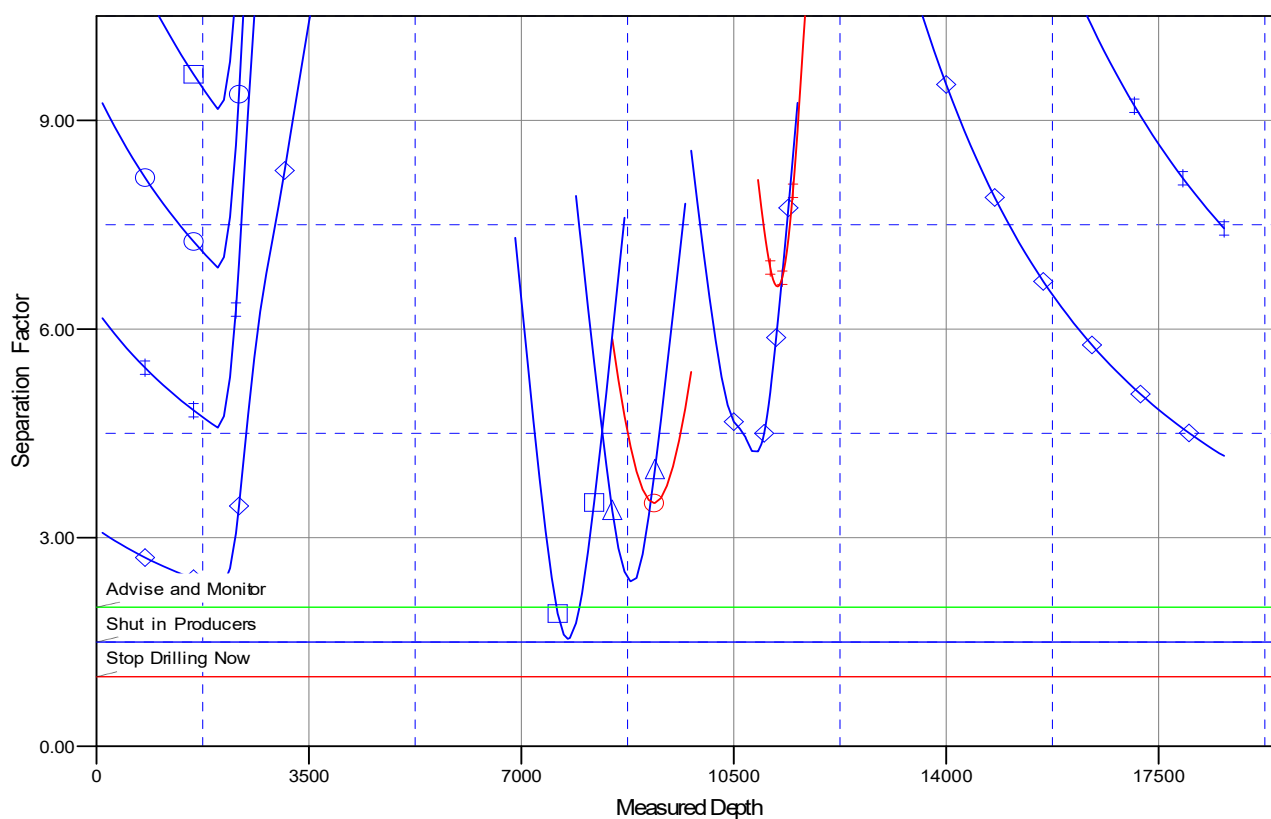
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2731 WC #13H

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

Grid Convergence at Surface is: 0.30°

Separation Factor Plot



LEGEND

BOROS FEDERAL #108H, OWB, PLAN#2 V0	BOROS FEDERAL #24H, OWB, PLAN#1 V0	ZIA HILLS UNIT 2731 WC #12H, OWB, PWP1 V0
BOROS FEDERAL #114H, OWB, AWP V0	ZIU 2331 WC #1H, OWB, AWP V0	ZIA HILLS UNIT 2731 WC #9H, OWB, PWP1 V0
BOROS FEDERAL #134H, OWB, PLAN#2 V0	ZIA HILLS UNIT 2731 WC #10H, OWB, PWP1 V0	
BOROS FEDERAL #218H, OWB, AWP V0	ZIA HILLS UNIT 2731 WC #11H, OWB, PWP1 V0	

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2731 PROJECT

ZIA HILLS UNIT 2731 WC #13H

OWB

Plan: PWP2

Standard Planning Report

13 March, 2023

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Project:	LEA PROSPECT (NM-E)	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site:	ZIA HILLS UNIT 2731 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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

Site	ZIA HILLS UNIT 2731 PROJECT		
Site Position:		Northing:	371,701.12 usft
From:	Map	Easting:	673,323.86 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 14.475 N
		Longitude:	103° 46' 26.734 W

Well	ZIA HILLS UNIT 2731 WC #13H					
Well Position	+N/-S	0.0 usft	Northing:	371,060.19 usft	Latitude:	32° 1' 7.883 N
	+E/-W	0.0 usft	Easting:	678,127.90 usft	Longitude:	103° 45' 30.974 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	3,145.8 usft
Grid Convergence:		0.30 °				

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2021	2/10/2022	6.49	59.58	47,445.58359631

Design	PWP2				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	177.63	

Plan Survey Tool Program	Date	3/13/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	2,000.0 PWP2 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp		
2	2,000.0	10,954.2 PWP2 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	10,954.2	18,579.9 PWP2 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-Si		

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Project:	LEA PROSPECT (NM-E)	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site:	ZIA HILLS UNIT 2731 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,350.0	7.00	23.00	2,349.1	19.7	8.3	2.00	2.00	0.00	23.00	
6,557.2	7.00	23.00	6,525.0	491.6	208.7	0.00	0.00	0.00	0.00	
7,957.2	0.00	0.00	7,921.5	570.3	242.1	0.50	-0.50	0.00	180.00	
10,954.2	0.00	0.00	10,918.5	570.3	242.1	0.00	0.00	0.00	0.00	
11,704.2	90.00	179.70	11,396.0	92.8	244.6	12.00	12.00	23.96	179.70	
18,529.9	90.00	179.70	11,396.0	-6,732.8	280.8	0.00	0.00	0.00	0.00	
18,579.9	90.00	179.70	11,396.0	-6,782.8	281.1	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Project:	LEA PROSPECT (NM-E)	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site:	ZIA HILLS UNIT 2731 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
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
Start Build 2.00									
2,100.0	2.00	23.00	2,100.0	1.6	0.7	-1.6	2.00	2.00	0.00
2,200.0	4.00	23.00	2,199.8	6.4	2.7	-6.3	2.00	2.00	0.00
2,300.0	6.00	23.00	2,299.5	14.4	6.1	-14.2	2.00	2.00	0.00
2,350.0	7.00	23.00	2,349.1	19.7	8.3	-19.3	2.00	2.00	0.00
Start 4207.2 hold at 2350.0 MD									
2,400.0	7.00	23.00	2,398.8	25.3	10.7	-24.8	0.00	0.00	0.00
2,500.0	7.00	23.00	2,498.0	36.5	15.5	-35.8	0.00	0.00	0.00
2,600.0	7.00	23.00	2,597.3	47.7	20.2	-46.8	0.00	0.00	0.00
2,700.0	7.00	23.00	2,696.5	58.9	25.0	-57.8	0.00	0.00	0.00
2,800.0	7.00	23.00	2,795.8	70.1	29.8	-68.8	0.00	0.00	0.00
2,900.0	7.00	23.00	2,895.0	81.4	34.5	-79.9	0.00	0.00	0.00
3,000.0	7.00	23.00	2,994.3	92.6	39.3	-90.9	0.00	0.00	0.00
3,100.0	7.00	23.00	3,093.5	103.8	44.1	-101.9	0.00	0.00	0.00
3,200.0	7.00	23.00	3,192.8	115.0	48.8	-112.9	0.00	0.00	0.00
3,300.0	7.00	23.00	3,292.0	126.2	53.6	-123.9	0.00	0.00	0.00
3,400.0	7.00	23.00	3,391.3	137.4	58.3	-134.9	0.00	0.00	0.00
3,500.0	7.00	23.00	3,490.6	148.7	63.1	-145.9	0.00	0.00	0.00
3,600.0	7.00	23.00	3,589.8	159.9	67.9	-156.9	0.00	0.00	0.00
3,700.0	7.00	23.00	3,689.1	171.1	72.6	-167.9	0.00	0.00	0.00
3,800.0	7.00	23.00	3,788.3	182.3	77.4	-179.0	0.00	0.00	0.00
3,900.0	7.00	23.00	3,887.6	193.5	82.2	-190.0	0.00	0.00	0.00
4,000.0	7.00	23.00	3,986.8	204.8	86.9	-201.0	0.00	0.00	0.00
4,100.0	7.00	23.00	4,086.1	216.0	91.7	-212.0	0.00	0.00	0.00
4,200.0	7.00	23.00	4,185.3	227.2	96.4	-223.0	0.00	0.00	0.00
4,300.0	7.00	23.00	4,284.6	238.4	101.2	-234.0	0.00	0.00	0.00
4,400.0	7.00	23.00	4,383.8	249.6	106.0	-245.0	0.00	0.00	0.00
4,500.0	7.00	23.00	4,483.1	260.8	110.7	-256.0	0.00	0.00	0.00
4,600.0	7.00	23.00	4,582.4	272.1	115.5	-267.0	0.00	0.00	0.00
4,700.0	7.00	23.00	4,681.6	283.3	120.2	-278.1	0.00	0.00	0.00
4,800.0	7.00	23.00	4,780.9	294.5	125.0	-289.1	0.00	0.00	0.00
4,900.0	7.00	23.00	4,880.1	305.7	129.8	-300.1	0.00	0.00	0.00
5,000.0	7.00	23.00	4,979.4	316.9	134.5	-311.1	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Project:	LEA PROSPECT (NM-E)	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site:	ZIA HILLS UNIT 2731 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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	7.00	23.00	5,078.6	328.2	139.3	-322.1	0.00	0.00	0.00
5,200.0	7.00	23.00	5,177.9	339.4	144.1	-333.1	0.00	0.00	0.00
5,300.0	7.00	23.00	5,277.1	350.6	148.8	-344.1	0.00	0.00	0.00
5,400.0	7.00	23.00	5,376.4	361.8	153.6	-355.1	0.00	0.00	0.00
5,500.0	7.00	23.00	5,475.7	373.0	158.3	-366.2	0.00	0.00	0.00
5,600.0	7.00	23.00	5,574.9	384.2	163.1	-377.2	0.00	0.00	0.00
5,700.0	7.00	23.00	5,674.2	395.5	167.9	-388.2	0.00	0.00	0.00
5,800.0	7.00	23.00	5,773.4	406.7	172.6	-399.2	0.00	0.00	0.00
5,900.0	7.00	23.00	5,872.7	417.9	177.4	-410.2	0.00	0.00	0.00
6,000.0	7.00	23.00	5,971.9	429.1	182.1	-421.2	0.00	0.00	0.00
6,100.0	7.00	23.00	6,071.2	440.3	186.9	-432.2	0.00	0.00	0.00
6,200.0	7.00	23.00	6,170.4	451.6	191.7	-443.2	0.00	0.00	0.00
6,300.0	7.00	23.00	6,269.7	462.8	196.4	-454.2	0.00	0.00	0.00
6,400.0	7.00	23.00	6,368.9	474.0	201.2	-465.3	0.00	0.00	0.00
6,500.0	7.00	23.00	6,468.2	485.2	206.0	-476.3	0.00	0.00	0.00
6,557.2	7.00	23.00	6,525.0	491.6	208.7	-482.6	0.00	0.00	0.00
Start Drop -0.50									
6,600.0	6.79	23.00	6,567.5	496.4	210.7	-487.2	0.50	-0.50	0.00
6,700.0	6.29	23.00	6,666.8	506.8	215.1	-497.5	0.50	-0.50	0.00
6,800.0	5.79	23.00	6,766.3	516.5	219.2	-507.0	0.50	-0.50	0.00
6,900.0	5.29	23.00	6,865.8	525.4	223.0	-515.7	0.50	-0.50	0.00
7,000.0	4.79	23.00	6,965.4	533.5	226.4	-523.6	0.50	-0.50	0.00
7,100.0	4.29	23.00	7,065.1	540.8	229.5	-530.8	0.50	-0.50	0.00
7,200.0	3.79	23.00	7,164.8	547.2	232.3	-537.1	0.50	-0.50	0.00
7,300.0	3.29	23.00	7,264.6	552.9	234.7	-542.7	0.50	-0.50	0.00
7,400.0	2.79	23.00	7,364.5	557.8	236.8	-547.5	0.50	-0.50	0.00
7,500.0	2.29	23.00	7,464.4	561.9	238.5	-551.5	0.50	-0.50	0.00
7,600.0	1.79	23.00	7,564.3	565.1	239.9	-554.7	0.50	-0.50	0.00
7,700.0	1.29	23.00	7,664.3	567.6	240.9	-557.1	0.50	-0.50	0.00
7,800.0	0.79	23.00	7,764.3	569.3	241.6	-558.8	0.50	-0.50	0.00
7,900.0	0.29	23.00	7,864.3	570.1	242.0	-559.6	0.50	-0.50	0.00
7,957.2	0.00	0.00	7,921.5	570.3	242.1	-559.7	0.50	-0.50	0.00
Start 2997.0 hold at 7957.2 MD									
8,000.0	0.00	0.00	7,964.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,100.0	0.00	0.00	8,064.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,164.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,264.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,364.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,464.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,564.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,664.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,764.3	570.3	242.1	-559.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,864.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,964.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,100.0	0.00	0.00	9,064.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,164.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,300.0	0.00	0.00	9,264.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,364.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,464.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,564.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,664.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,800.0	0.00	0.00	9,764.3	570.3	242.1	-559.7	0.00	0.00	0.00
9,900.0	0.00	0.00	9,864.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,000.0	0.00	0.00	9,964.3	570.3	242.1	-559.7	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Project:	LEA PROSPECT (NM-E)	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site:	ZIA HILLS UNIT 2731 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,100.0	0.00	0.00	10,064.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,200.0	0.00	0.00	10,164.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,300.0	0.00	0.00	10,264.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,400.0	0.00	0.00	10,364.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,500.0	0.00	0.00	10,464.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,600.0	0.00	0.00	10,564.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,700.0	0.00	0.00	10,664.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,800.0	0.00	0.00	10,764.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,900.0	0.00	0.00	10,864.3	570.3	242.1	-559.7	0.00	0.00	0.00
10,954.2	0.00	0.00	10,918.5	570.3	242.1	-559.7	0.00	0.00	0.00
Start DLS 12.00 TFO 179.70									
10,975.0	2.49	179.70	10,939.3	569.8	242.1	-559.3	12.00	12.00	0.00
11,000.0	5.49	179.70	10,964.2	568.1	242.1	-557.6	12.00	12.00	0.00
11,025.0	8.49	179.70	10,989.0	565.0	242.1	-554.5	12.00	12.00	0.00
11,050.0	11.49	179.70	11,013.6	560.7	242.1	-550.2	12.00	12.00	0.00
11,075.0	14.49	179.70	11,038.0	555.1	242.1	-544.6	12.00	12.00	0.00
11,100.0	17.49	179.70	11,062.0	548.2	242.2	-537.7	12.00	12.00	0.00
11,125.0	20.49	179.70	11,085.7	540.0	242.2	-529.6	12.00	12.00	0.00
11,150.0	23.49	179.70	11,108.9	530.7	242.3	-520.2	12.00	12.00	0.00
11,175.0	26.49	179.70	11,131.5	520.1	242.3	-509.6	12.00	12.00	0.00
11,200.0	29.49	179.70	11,153.6	508.4	242.4	-497.9	12.00	12.00	0.00
11,225.0	32.49	179.70	11,175.0	495.5	242.5	-485.1	12.00	12.00	0.00
11,250.0	35.49	179.70	11,195.7	481.5	242.5	-471.1	12.00	12.00	0.00
11,275.0	38.49	179.70	11,215.7	466.5	242.6	-456.1	12.00	12.00	0.00
11,300.0	41.49	179.70	11,234.9	450.4	242.7	-440.0	12.00	12.00	0.00
11,325.0	44.49	179.70	11,253.1	433.4	242.8	-423.0	12.00	12.00	0.00
11,350.0	47.49	179.70	11,270.5	415.4	242.9	-405.0	12.00	12.00	0.00
11,375.0	50.49	179.70	11,286.9	396.6	243.0	-386.2	12.00	12.00	0.00
11,400.0	53.49	179.70	11,302.3	376.9	243.1	-366.5	12.00	12.00	0.00
11,425.0	56.49	179.70	11,316.6	356.4	243.2	-346.0	12.00	12.00	0.00
11,450.0	59.49	179.70	11,329.9	335.2	243.3	-324.8	12.00	12.00	0.00
11,475.0	62.49	179.70	11,342.0	313.3	243.4	-303.0	12.00	12.00	0.00
11,500.0	65.49	179.70	11,353.0	290.9	243.5	-280.5	12.00	12.00	0.00
11,525.0	68.49	179.70	11,362.7	267.9	243.7	-257.5	12.00	12.00	0.00
11,550.0	71.49	179.70	11,371.3	244.4	243.8	-234.1	12.00	12.00	0.00
11,575.0	74.49	179.70	11,378.6	220.5	243.9	-210.2	12.00	12.00	0.00
11,600.0	77.49	179.70	11,384.7	196.2	244.0	-185.9	12.00	12.00	0.00
11,625.0	80.49	179.70	11,389.4	171.7	244.2	-161.4	12.00	12.00	0.00
11,650.0	83.49	179.70	11,392.9	146.9	244.3	-136.7	12.00	12.00	0.00
11,675.0	86.49	179.70	11,395.1	122.0	244.4	-111.8	12.00	12.00	0.00
11,700.0	89.49	179.70	11,396.0	97.0	244.6	-86.8	12.00	12.00	0.00
11,704.2	90.00	179.70	11,396.0	92.8	244.6	-82.6	12.00	12.00	0.00
Start 6825.7 hold at 11704.2 MD									
11,800.0	90.00	179.70	11,396.0	-3.0	245.1	13.1	0.00	0.00	0.00
11,900.0	90.00	179.70	11,396.0	-103.0	245.6	113.0	0.00	0.00	0.00
12,000.0	90.00	179.70	11,396.0	-203.0	246.2	213.0	0.00	0.00	0.00
12,100.0	90.00	179.70	11,396.0	-303.0	246.7	312.9	0.00	0.00	0.00
12,200.0	90.00	179.70	11,396.0	-403.0	247.2	412.8	0.00	0.00	0.00
12,300.0	90.00	179.70	11,396.0	-503.0	247.8	512.8	0.00	0.00	0.00
12,400.0	90.00	179.70	11,396.0	-602.9	248.3	612.7	0.00	0.00	0.00
12,500.0	90.00	179.70	11,396.0	-702.9	248.8	712.6	0.00	0.00	0.00
12,600.0	90.00	179.70	11,396.0	-802.9	249.4	812.6	0.00	0.00	0.00
12,700.0	90.00	179.70	11,396.0	-902.9	249.9	912.5	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Project:	LEA PROSPECT (NM-E)	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site:	ZIA HILLS UNIT 2731 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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)
12,800.0	90.00	179.70	11,396.0	-1,002.9	250.4	1,012.5	0.00	0.00	0.00
12,900.0	90.00	179.70	11,396.0	-1,102.9	250.9	1,112.4	0.00	0.00	0.00
13,000.0	90.00	179.70	11,396.0	-1,202.9	251.5	1,212.3	0.00	0.00	0.00
13,100.0	90.00	179.70	11,396.0	-1,302.9	252.0	1,312.3	0.00	0.00	0.00
13,200.0	90.00	179.70	11,396.0	-1,402.9	252.5	1,412.2	0.00	0.00	0.00
13,300.0	90.00	179.70	11,396.0	-1,502.9	253.1	1,512.1	0.00	0.00	0.00
13,400.0	90.00	179.70	11,396.0	-1,602.9	253.6	1,612.1	0.00	0.00	0.00
13,500.0	90.00	179.70	11,396.0	-1,702.9	254.1	1,712.0	0.00	0.00	0.00
13,600.0	90.00	179.70	11,396.0	-1,802.9	254.7	1,811.9	0.00	0.00	0.00
13,700.0	90.00	179.70	11,396.0	-1,902.9	255.2	1,911.9	0.00	0.00	0.00
13,800.0	90.00	179.70	11,396.0	-2,002.9	255.7	2,011.8	0.00	0.00	0.00
13,900.0	90.00	179.70	11,396.0	-2,102.9	256.3	2,111.7	0.00	0.00	0.00
14,000.0	90.00	179.70	11,396.0	-2,202.9	256.8	2,211.7	0.00	0.00	0.00
14,100.0	90.00	179.70	11,396.0	-2,302.9	257.3	2,311.6	0.00	0.00	0.00
14,200.0	90.00	179.70	11,396.0	-2,402.9	257.8	2,411.5	0.00	0.00	0.00
14,300.0	90.00	179.70	11,396.0	-2,502.9	258.4	2,511.5	0.00	0.00	0.00
14,400.0	90.00	179.70	11,396.0	-2,602.9	258.9	2,611.4	0.00	0.00	0.00
14,500.0	90.00	179.70	11,396.0	-2,702.9	259.4	2,711.3	0.00	0.00	0.00
14,600.0	90.00	179.70	11,396.0	-2,802.9	260.0	2,811.3	0.00	0.00	0.00
14,700.0	90.00	179.70	11,396.0	-2,902.9	260.5	2,911.2	0.00	0.00	0.00
14,800.0	90.00	179.70	11,396.0	-3,002.9	261.0	3,011.1	0.00	0.00	0.00
14,900.0	90.00	179.70	11,396.0	-3,102.9	261.6	3,111.1	0.00	0.00	0.00
15,000.0	90.00	179.70	11,396.0	-3,202.9	262.1	3,211.0	0.00	0.00	0.00
15,100.0	90.00	179.70	11,396.0	-3,302.9	262.6	3,311.0	0.00	0.00	0.00
15,200.0	90.00	179.70	11,396.0	-3,402.9	263.2	3,410.9	0.00	0.00	0.00
15,300.0	90.00	179.70	11,396.0	-3,502.9	263.7	3,510.8	0.00	0.00	0.00
15,400.0	90.00	179.70	11,396.0	-3,602.9	264.2	3,610.8	0.00	0.00	0.00
15,500.0	90.00	179.70	11,396.0	-3,702.9	264.8	3,710.7	0.00	0.00	0.00
15,600.0	90.00	179.70	11,396.0	-3,802.9	265.3	3,810.6	0.00	0.00	0.00
15,700.0	90.00	179.70	11,396.0	-3,902.9	265.8	3,910.6	0.00	0.00	0.00
15,800.0	90.00	179.70	11,396.0	-4,002.9	266.3	4,010.5	0.00	0.00	0.00
15,900.0	90.00	179.70	11,396.0	-4,102.9	266.9	4,110.4	0.00	0.00	0.00
16,000.0	90.00	179.70	11,396.0	-4,202.9	267.4	4,210.4	0.00	0.00	0.00
16,100.0	90.00	179.70	11,396.0	-4,302.9	267.9	4,310.3	0.00	0.00	0.00
16,200.0	90.00	179.70	11,396.0	-4,402.9	268.5	4,410.2	0.00	0.00	0.00
16,300.0	90.00	179.70	11,396.0	-4,502.9	269.0	4,510.2	0.00	0.00	0.00
16,400.0	90.00	179.70	11,396.0	-4,602.9	269.5	4,610.1	0.00	0.00	0.00
16,500.0	90.00	179.70	11,396.0	-4,702.9	270.1	4,710.0	0.00	0.00	0.00
16,600.0	90.00	179.70	11,396.0	-4,802.9	270.6	4,810.0	0.00	0.00	0.00
16,700.0	90.00	179.70	11,396.0	-4,902.9	271.1	4,909.9	0.00	0.00	0.00
16,800.0	90.00	179.70	11,396.0	-5,002.9	271.7	5,009.8	0.00	0.00	0.00
16,900.0	90.00	179.70	11,396.0	-5,102.9	272.2	5,109.8	0.00	0.00	0.00
17,000.0	90.00	179.70	11,396.0	-5,202.9	272.7	5,209.7	0.00	0.00	0.00
17,100.0	90.00	179.70	11,396.0	-5,302.9	273.3	5,309.6	0.00	0.00	0.00
17,200.0	90.00	179.70	11,396.0	-5,402.9	273.8	5,409.6	0.00	0.00	0.00
17,300.0	90.00	179.70	11,396.0	-5,502.9	274.3	5,509.5	0.00	0.00	0.00
17,400.0	90.00	179.70	11,396.0	-5,602.9	274.8	5,609.5	0.00	0.00	0.00
17,500.0	90.00	179.70	11,396.0	-5,702.9	275.4	5,709.4	0.00	0.00	0.00
17,600.0	90.00	179.70	11,396.0	-5,802.9	275.9	5,809.3	0.00	0.00	0.00
17,700.0	90.00	179.70	11,396.0	-5,902.9	276.4	5,909.3	0.00	0.00	0.00
17,800.0	90.00	179.70	11,396.0	-6,002.9	277.0	6,009.2	0.00	0.00	0.00
17,900.0	90.00	179.70	11,396.0	-6,102.9	277.5	6,109.1	0.00	0.00	0.00
18,000.0	90.00	179.70	11,396.0	-6,202.9	278.0	6,209.1	0.00	0.00	0.00
18,100.0	90.00	179.70	11,396.0	-6,302.9	278.6	6,309.0	0.00	0.00	0.00

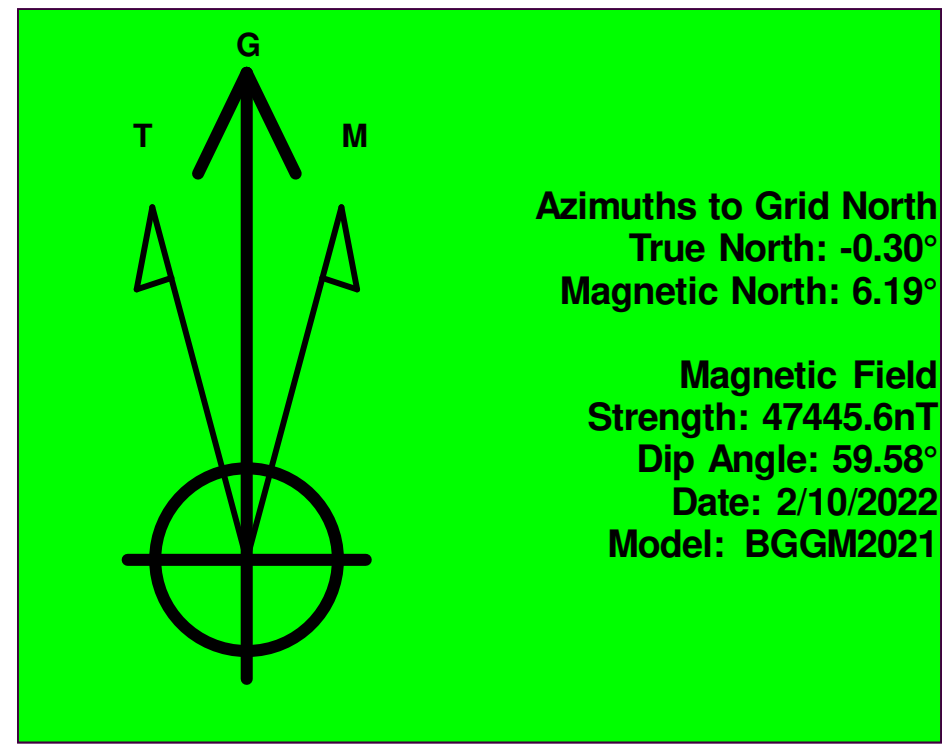
ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2731 WC #13H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Project:	LEA PROSPECT (NM-E)	MD Reference:	KB=30' @ 3175.8usft (SCAN QUEST)
Site:	ZIA HILLS UNIT 2731 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2731 WC #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

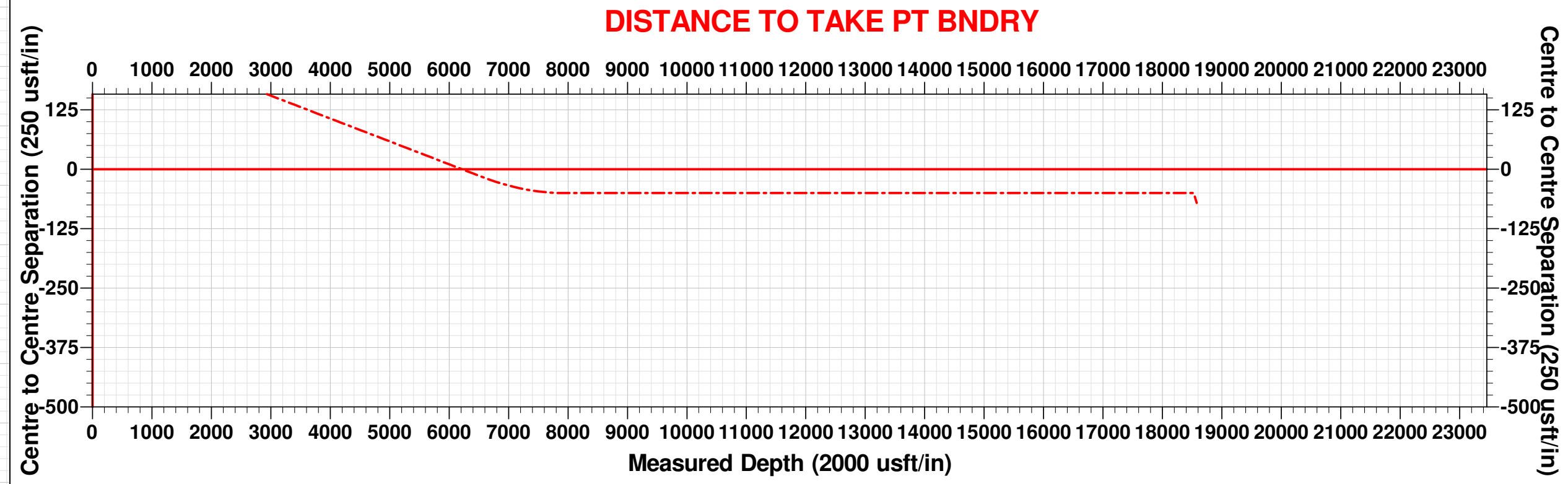
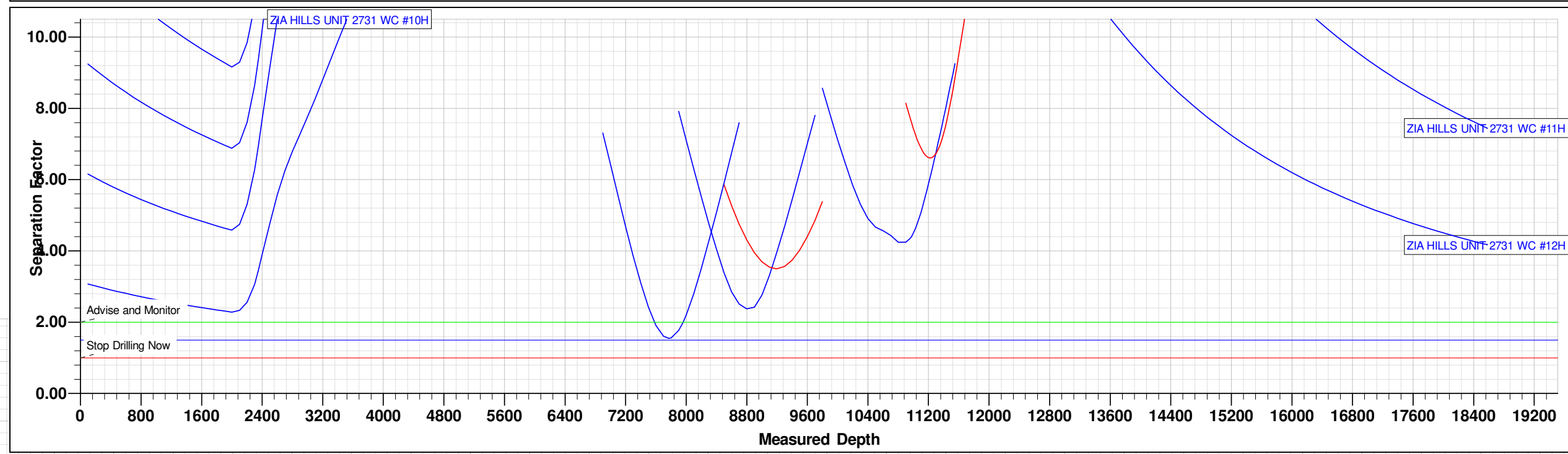
Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
18,200.0	90.00	179.70	11,396.0	-6,402.9	279.1	6,408.9	0.00	0.00	0.00	
18,300.0	90.00	179.70	11,396.0	-6,502.9	279.6	6,508.9	0.00	0.00	0.00	
18,400.0	90.00	179.70	11,396.0	-6,602.9	280.2	6,608.8	0.00	0.00	0.00	
18,500.0	90.00	179.70	11,396.0	-6,702.9	280.7	6,708.7	0.00	0.00	0.00	
18,529.9	90.00	179.70	11,396.0	-6,732.8	280.8	6,738.7	0.00	0.00	0.00	
Start 50.0 hold at 18529.9 MD										
18,579.9	90.00	179.70	11,396.0	-6,782.8	281.1	6,788.6	0.00	0.00	0.00	
TD at 18579.9										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- hit/miss target										
- Shape										
FTP(ZIA HILLS UNIT 27	0.00	0.01	11,396.0	573.1	242.1	371,633.24	678,369.96	32° 1' 13.541 N		103° 45' 28.127 W
- plan misses target center by 199.8usft at 11325.0usft MD (11253.1 TVD, 433.4 N, 242.8 E)										
- Circle (radius 50.0)										
LTP(ZIA HILLS UNIT 27:	0.00	0.01	11,396.0	-6,732.8	280.8	364,327.38	678,408.74	32° 0' 1.239 N		103° 45' 28.129 W
- plan hits target center										
- Point										
PBHL(ZIA HILLS UNIT 2	0.00	359.70	11,396.0	-6,782.8	281.1	364,277.38	678,409.00	32° 0' 0.744 N		103° 45' 28.129 W
- plan hits target center										
- Rectangle (sides W100.0 H7,400.0 D20.0)										

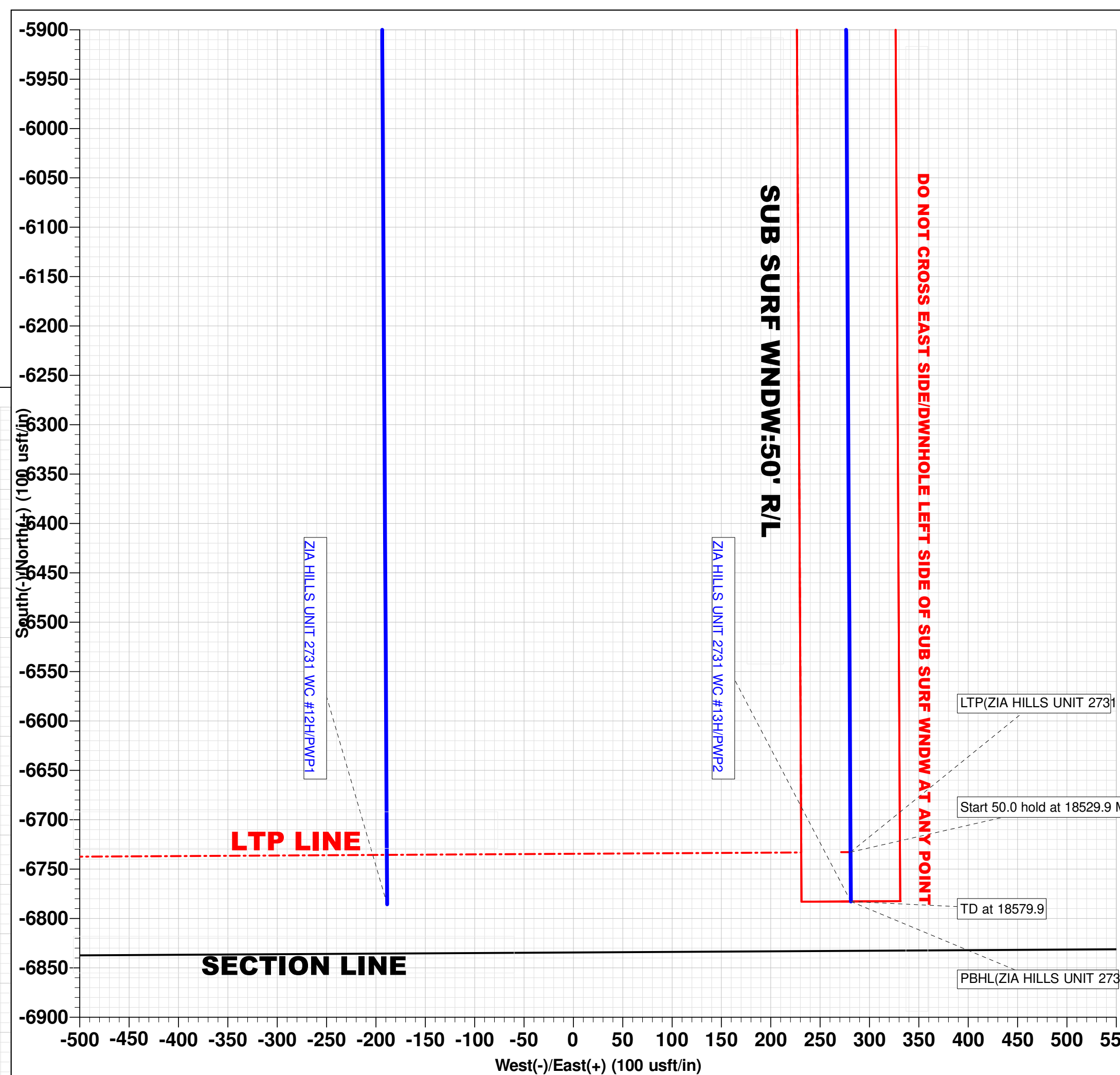
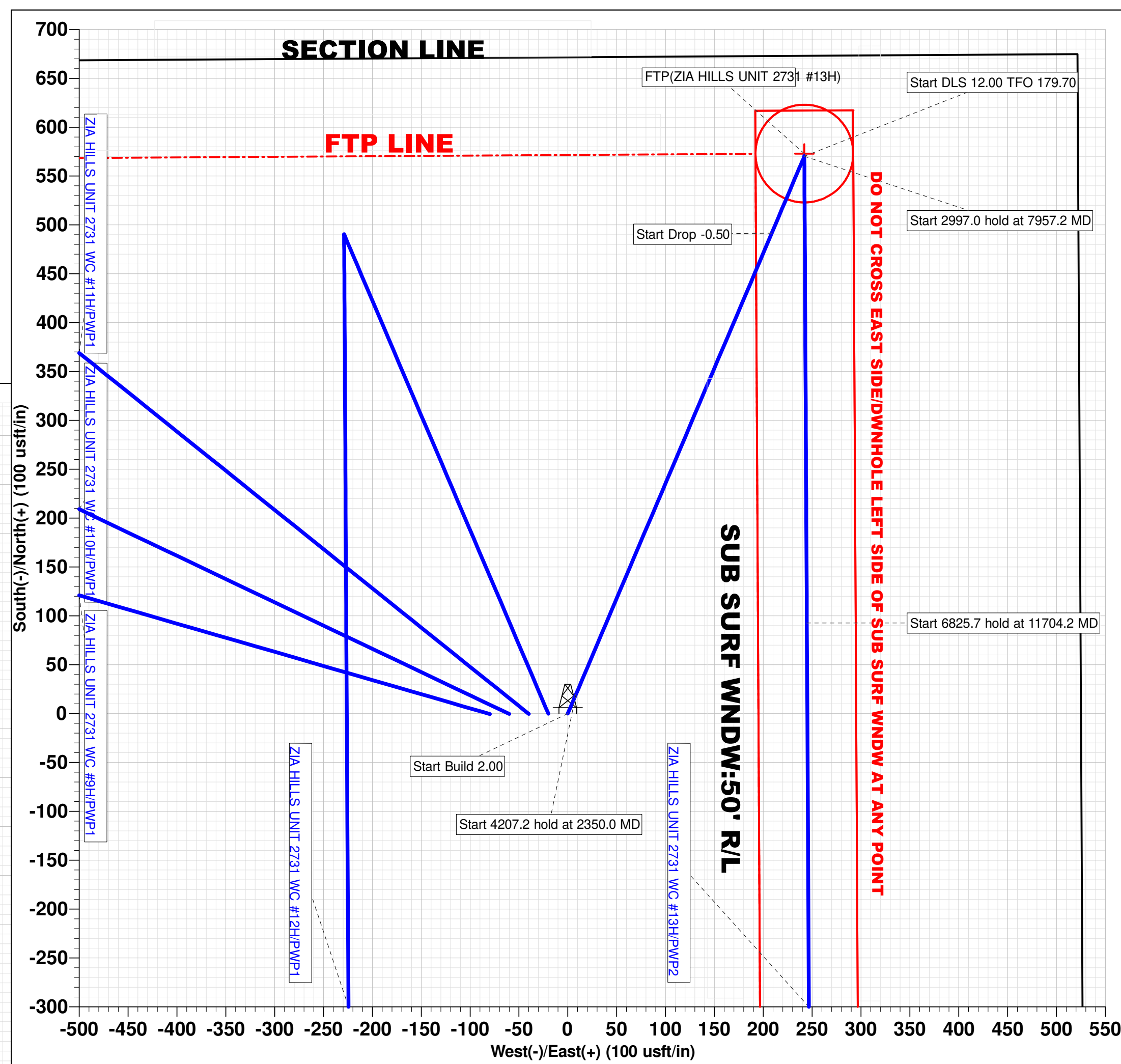
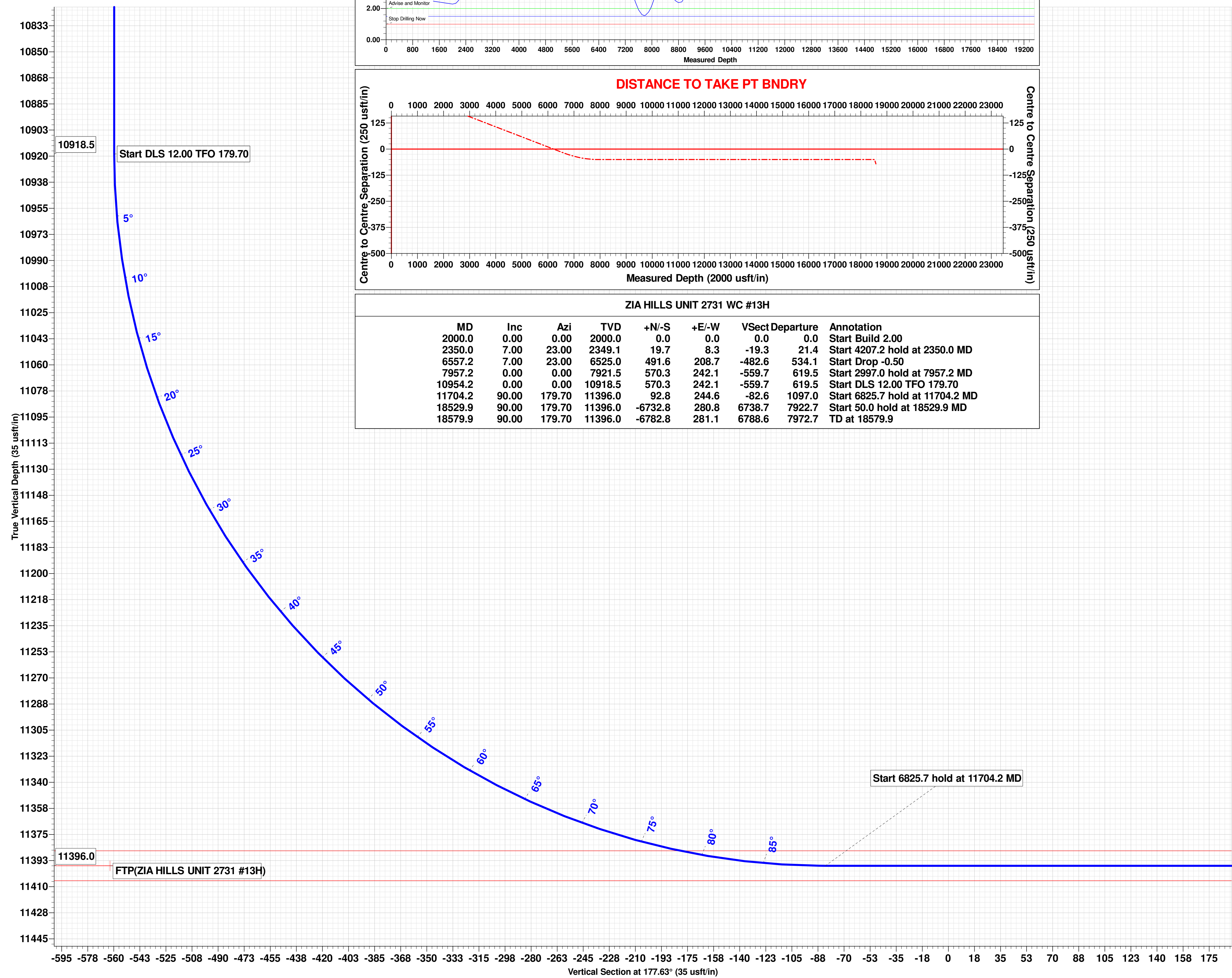
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.0	2,000.0	0.0	0.0	Start Build 2.00	
2,350.0	2,349.1	19.7	8.3	Start 4207.2 hold at 2350.0 MD	
6,557.2	6,525.0	491.6	208.7	Start Drop -0.50	
7,957.2	7,921.5	570.3	242.1	Start 2997.0 hold at 7957.2 MD	
10,954.2	10,918.5	570.3	242.1	Start DLS 12.00 TFO 179.70	
11,704.2	11,396.0	92.8	244.6	Start 6825.7 hold at 11704.2 MD	
18,529.9	11,396.0	-6,732.8	280.8	Start 50.0 hold at 18529.9 MD	
18,579.9	11,396.0	-6,782.8	281.1	TD at 18579.9	



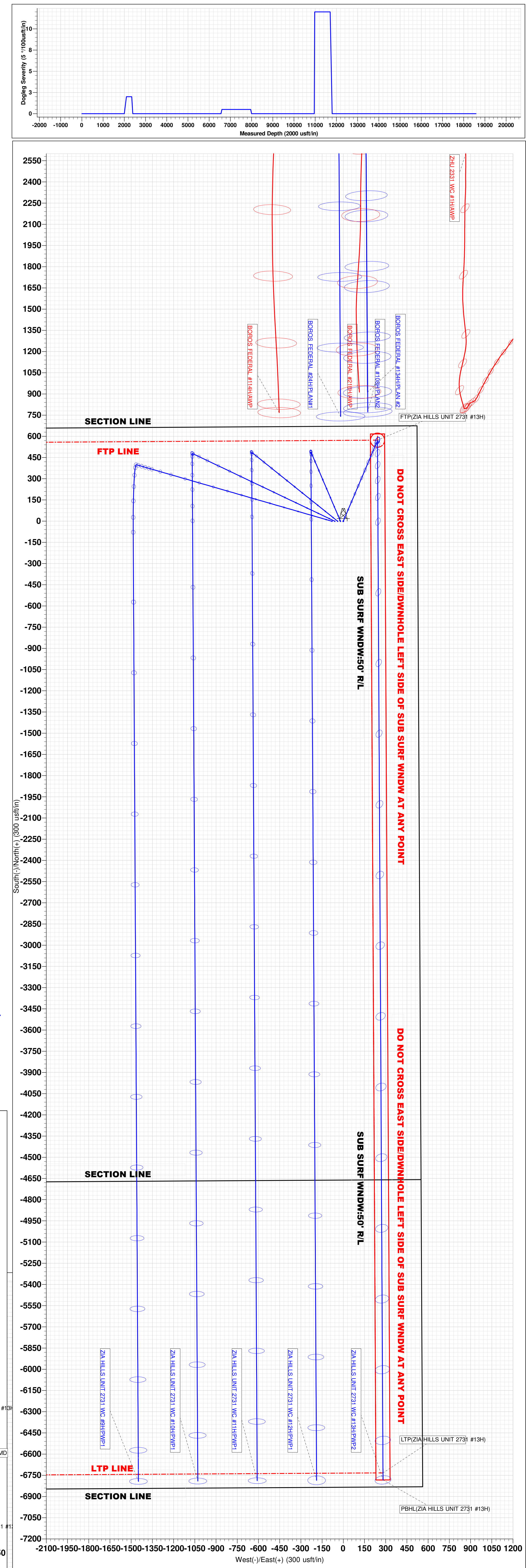
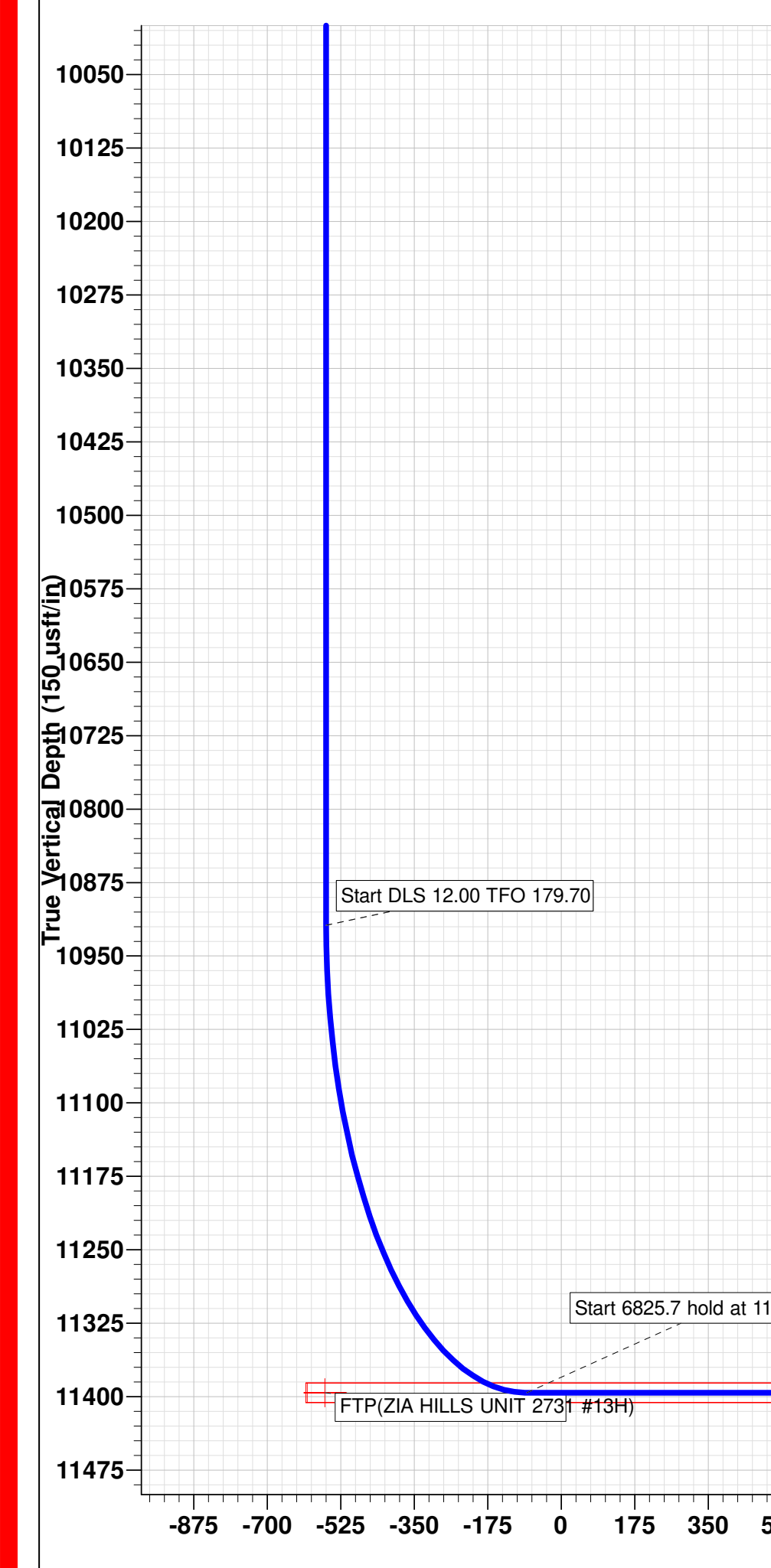
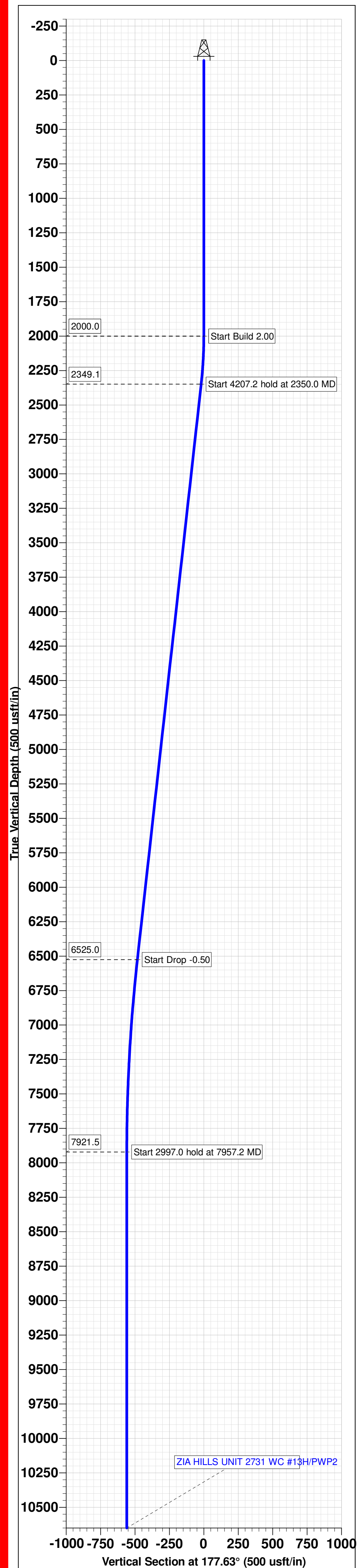
WELL DETAILS: ZIA HILLS UNIT 2731 WC #13H						
+N-S 0.0	+E-W 0.0	Northing 371060.19	Easting 678127.90	Latitude 32° 1' 7.883 N	Longitude 103° 45' 30.974 W	
DESIGN TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	
FTP(ZIA HILLS UNIT 2731 #13H)	11396.0	573.1	242.1	371633.24	678369.96	
LTP(ZIA HILLS UNIT 2731 #13H)	11396.0	-6732.8	280.8	364327.38	678408.74	
PBHL(ZIA HILLS UNIT 2731 #13H)	11396.0	-6782.8	281.1	364277.38	678409.01	



ZIA HILLS UNIT 2731 WC #13H									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
2000.0	0.00	0.00	2000.0	0.0	0.0	0.0	0.0	Start Build 2.00	
2350.0	7.00	23.00	2349.1	19.7	8.3	-19.3	21.4	Start 4207.2 hold at 2350.0 MD	
6557.2	7.00	23.00	6525.0	491.6	208.7	-482.6	534.1	Start Drop -0.50	
7957.2	0.00	0.00	7921.5	570.3	242.1	-559.7	619.5	Start 2997.0 hold at 7957.2 MD	
10954.2	0.00	0.00	10918.5	570.3	242.1	-559.7	619.5	Start DLS 12.00 TFO 179.70	
11704.2	90.00	179.70	11396.0	92.8	244.6	-82.6	1097.0	Start 6825.7 hold at 11704.2 MD	
18529.9	90.00	179.70	11396.0	-6732.8	280.8	6738.7	7822.7	Start 50.0 hold at 18529.9 MD	
18579.9	90.00	179.70	11396.0	-6782.8	281.1	6788.6	7872.7	TD at 18579.9	



DEFAULT TRGT WNDW: 10'A/10'B



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 216106

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 216106
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	None	10/13/2023