

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

5. Lease Serial No. NMNM108973

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLC

3a. Address 600 West Illinois Ave, Midland, TX 79701

3b. Phone No. (include area code)
(432) 683-74434. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 35/T25S/R32E/NMP

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

8. Well Name and No. HARRIER FEDERAL COM/702H

9. API Well No. 3002549888

10. Field and Pool or Exploratory Area
.WC-025 G-09 S253309P; UPPER WOLFCAMP11. Country or Parish, State
LEA/NM

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	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

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

COG Operating requests a revision to our approved APD for this well to reflect changes in BHL, casing, and TD.

Change BHL FROM: 50 ft FSL & 1650 ft FWL SESW 2-26S-32E

Change BHL TO: 50 ft FSL & 1210 ft FWL SWSW 2-26S-32E Lea Co, NM.

Change TD to: 22,484 MD, 12,147 TVD

New casing program attached.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
STAN WAGNER / Ph: (432) 253-9685Regulatory Advisor
Title

Signature

Date 11/14/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Petroleum Engineer
Title

Date 12/21/2022

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 CARLSBAD

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: NWNW / 845 FNL / 955 FWL / TWSP: 25S / RANGE: 32E / SECTION: 35 / LAT: 32.091928 / LONG: -103.651166 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 1650 FWL / TWSP: 25S / RANGE: 32E / SECTION: 35 / LAT: 32.093976 / LONG: -103.648909 (TVD: 12068 feet, MD: 12100 feet)

BHL: SESW / 50 FSL / 1650 FWL / TWSP: 26S / RANGE: 32E / SECTION: 2 / LAT: 32.065146 / LONG: -103.648915 (TVD: 12273 feet, MD: 22288 feet)

CONFIDENTIAL

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-49888	Pool Code 98158	Pool Name WC-025 G-09 S253236A; Upper Wolfcamp
Property Code 325390	Property Name HARRIER FEDERAL COM	Well Number 702H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3366.5'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	35	25-S	32-E		845	NORTH	955	WEST	LEA

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
M	2	26-S	32-E		50	SOUTH	1210	WEST	LEA
Dedicated Acres 640	Joint or Infill	Consolidation Code COM	Order No.						

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

FTP 100' FNL & 1210' FWL Y=398595.0 N X=752846.5 E LAT.=32.093976° N LONG.=103.650329° W GRID AZ. TO FTP 18°49'13" LEASE X-ING LAT.= 32.079710° N LONG.= 103.650332° W LEASE X-ING LAT.= 32.072360° N LONG.= 103.650334° W LTP 100' FSL & 1210' FWL Y=388156.8 N X=752910.9 E LAT.=32.065282° N LONG.=103.650335° W GRID AZ. - 179°38'49" HORZ. DIST. - 10488.3 SECTION 35 SECTION 2 B.H. 1210' 50'	NAD 83 NME <u>SURFACE LOCATION</u> Y=397848.3 N X=752592.0 E LAT.=32.091928° N LONG.=103.651166° W <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">POINT LEGEND</th> </tr> </thead> <tbody> <tr><td>1</td><td>Y=398686.8 N X=751636.5 E</td></tr> <tr><td>2</td><td>Y=396042.9 N X=751638.1 E</td></tr> <tr><td>3</td><td>Y=393397.2 N X=751651.4 E</td></tr> <tr><td>4</td><td>Y=390723.7 N X=751673.0 E</td></tr> <tr><td>5</td><td>Y=388048.2 N X=751701.8 E</td></tr> <tr><td>6</td><td>Y=388067.3 N X=754374.2 E</td></tr> <tr><td>7</td><td>Y=393414.5 N X=754276.4 E</td></tr> <tr><td>8</td><td>Y=398704.8 N X=754294.7 E</td></tr> </tbody> </table> NAD 83 NME <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=388106.8 N X=752911.2 E LAT.=32.065145° N LONG.=103.650335° W	POINT LEGEND		1	Y=398686.8 N X=751636.5 E	2	Y=396042.9 N X=751638.1 E	3	Y=393397.2 N X=751651.4 E	4	Y=390723.7 N X=751673.0 E	5	Y=388048.2 N X=751701.8 E	6	Y=388067.3 N X=754374.2 E	7	Y=393414.5 N X=754276.4 E	8	Y=398704.8 N X=754294.7 E	OPERATOR CERTIFICATION <i>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> 7/19/22 Signature _____ Date _____ Stan Wagner Printed Name _____ E-mail Address _____ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> MARCH 29, 2021 Date of Survey _____ Signature & Seal of Professional Surveyor 5/23/22 Certificate No. CHAD HARCROW 17777 W.O. # 22-455 DRAWN BY: WN
POINT LEGEND																				
1	Y=398686.8 N X=751636.5 E																			
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8	Y=398704.8 N X=754294.7 E																			

COG Operating, LLC - Harrier Federal Com 702H

1. Geologic Formations

TVD of target	12,148' EOL	Pilot hole depth	NA
MD at TD:	22,484'	Deepest expected fresh water:	207'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	690	Water	
Top of Salt	1070	Salt	
Base of Salt	4444	Salt	
Lamar	4641	Salt Water	
Bell Canyon	4681	Salt Water	
Cherry Canyon	5672	Oil/Gas	
Brushy Canyon	7207	Oil/Gas	
Bone Spring Lime	8785	Oil/Gas	
1st Bone Spring Sand	9751	Oil/Gas	
2nd Bone Spring Sand	10360	Oil/Gas	
3rd Bone Spring Sand	11602	Oil/Gas	
Wolfcamp A	12103	Target	
Wolfcamp B	0	Not Penetrated	
Wolfcamp D	0	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1050	10.75"	45.5	J55	BTC	5.14	1.71	21.77	22.96
9.875"	0	8300	7.625"	29.7	L80-ICY	BTC	1.60	1.09	2.95	2.97
8.750"	8300	11800	7.625"	29.7	P110-ICY	W513	1.21	1.42	2.68	1.59
6.75"	0	11300	5.5"	23	P110-CY	BTC	1.98	2.34	2.80	2.79
6.75"	11300	22,484	5.5"	23	P110-CY	W441	1.84	2.17	2.61	2.53
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

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

COG Operating, LLC - Harrier Federal Com 702H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary?	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

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3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	501	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	840	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	709	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	941	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

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

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

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
Production	11,300'	35% OH in Lateral (KOP to EOL)

COG Operating, LLC - Harrier Federal Com 702H

4. Pressure Control Equipment

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

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

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

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

COG Operating, LLC - Harrier Federal Com 702H

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	7-5/8" Int shoe	Brine Diesel Emulsion	8.4 - 9	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 12.5	35-45	<20

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

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
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6. Logging and Testing Procedures

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

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

COG Operating, LLC - Harrier Federal Com 702H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7900 psi at 12148' TVD
Abnormal Temperature	NO 175 Deg. F.

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

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

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

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

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

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

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

HARRIER FEDERAL PROJECT (LEA 2632)

HARRIER FEDERAL COM #702H

300254988800

OWB

PWP0

Anticollision Report

17 July, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 95.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	7/16/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	1,500.0	PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
1,500.0	11,723.2	PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
11,723.2	22,483.9	PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
HARRIER FEDERAL PROJECT (LEA 2632)						
FEDERAL SUNSHINE ROYALTY #1 (P&A) - OWB - AW						Out of range
HARRIER 35 FEDERAL COM #1H - OWB - AWP	13,807.3	14,554.2	162.5	99.3	2.572	CC, ES
HARRIER 35 FEDERAL COM #1H - OWB - AWP	13,870.0	14,553.3	174.2	103.6	2.468	SF
HARRIER FEDERAL COM #101H - OWB - AWP	9,673.4	19,712.5	432.5	334.2	4.398	CC, ES, SF
HARRIER FEDERAL COM #102H - OWB - AWP	9,185.3	19,266.3	388.6	289.9	3.937	CC, ES, SF
HARRIER FEDERAL COM #201H - OWB - AWP	9,417.6	19,405.0	80.9	40.5	2.004	CC
HARRIER FEDERAL COM #201H - OWB - AWP	9,500.0	19,405.0	115.5	37.4	1.480	Advise and Monitor, ES, SF
HARRIER FEDERAL COM #301H - OWB - AWP						Out of range
HARRIER FEDERAL COM #302H - OWB - AWP						Out of range
HARRIER FEDERAL COM #303H - OWB - AWP	9,248.7	19,213.8	418.4	320.5	4.274	CC, ES, SF
HARRIER FEDERAL COM #304H - OWB - AWP	10,162.0	20,342.2	327.3	227.8	3.290	CC, ES, SF
HARRIER FEDERAL COM #305H - OWB - AWP	9,648.0	19,816.0	442.6	343.2	4.455	CC, ES, SF
HARRIER FEDERAL COM #701H - OWB - PWP0	1,425.0	1,424.5	53.9	47.1	7.950	CC
HARRIER FEDERAL COM #701H - OWB - PWP0	1,520.0	1,519.5	54.0	47.1	7.839	ES, SF
HARRIER FEDERAL COM #703H - OWB - PWP0	1,425.0	1,425.0	45.0	38.0	6.438	CC
HARRIER FEDERAL COM #703H - OWB - PWP0	1,710.0	1,713.1	45.4	37.4	5.692	ES
HARRIER FEDERAL COM #703H - OWB - PWP0	22,484.4	22,791.5	518.4	349.3	3.065	SF
HARRIER FEDERAL COM #704H - OWB - PWP0	1,425.0	1,424.8	54.2	47.5	7.996	CC
HARRIER FEDERAL COM #704H - OWB - PWP0	1,520.0	1,519.9	54.3	47.4	7.860	ES
HARRIER FEDERAL COM #704H - OWB - PWP0	22,484.4	22,509.3	665.0	498.2	3.986	SF
HARRIER FEDERAL COM #801H - OWB - PWP0	1,601.3	1,603.6	29.9	23.6	4.698	CC
HARRIER FEDERAL COM #801H - OWB - PWP0	1,615.0	1,617.3	30.0	23.6	4.692	ES, SF
HARRIER FEDERAL COM #802H - OWB - PWP0	1,425.0	1,425.3	30.0	23.7	4.767	CC
HARRIER FEDERAL COM #802H - OWB - PWP0	1,520.0	1,520.3	30.0	23.7	4.737	ES
HARRIER FEDERAL COM #802H - OWB - PWP0	22,484.4	22,834.5	526.8	361.8	3.192	SF
QUIJOTE 2 STATE COM #706H - OWB - AWP						Out of range
QUIJOTE 2 STATE COM #715H - OWB - AWP						Out of range

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
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Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
PILEDRIIVER & FIGURE FOUR FEDERAL PROJECT						
HARRIER FEDERAL COM #202H - OWB - AWP	4,510.0	4,484.8	687.2	676.8	66.304	CC, ES
HARRIER FEDERAL COM #202H - OWB - AWP	9,595.0	9,176.6	952.5	929.6	41.635	SF
MONSOON FEDERAL SWD #1 - OWB - AWP						Out of range
PILEDRIIVER FEDERAL #711H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #712H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #713H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #714H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #715H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #716H - OWB - PWP0						Out of range

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	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						
HARRIER FEDERAL PROJECT (LEA 2632)						
FEDERAL SUNSHINE ROYALTY #1 (P&A) - OWB - AW	22,484.4	4,750.0				Out of Range @TD
HARRIER 35 FEDERAL COM #1H - OWB - AWP	22,484.4	13,969.0				Out of Range @TD
HARRIER FEDERAL COM #101H - OWB - AWP	22,484.4	9,848.0				Out of Range @TD
HARRIER FEDERAL COM #102H - OWB - AWP	22,484.4	9,357.0				Out of Range @TD
HARRIER FEDERAL COM #201H - OWB - AWP	22,484.4	9,553.0				Out of Range @TD
HARRIER FEDERAL COM #301H - OWB - AWP	22,484.4	9,849.0				Out of Range @TD
HARRIER FEDERAL COM #302H - OWB - AWP	22,484.4	10,304.6				Out of Range @TD
HARRIER FEDERAL COM #303H - OWB - AWP	22,484.4	9,343.7				Out of Range @TD
HARRIER FEDERAL COM #304H - OWB - AWP	22,484.4	10,223.0				Out of Range @TD
HARRIER FEDERAL COM #305H - OWB - AWP	22,484.4	9,852.0				Out of Range @TD
HARRIER FEDERAL COM #701H - OWB - PWP0	22,484.4	22,901.5				Out of Range @TD
HARRIER FEDERAL COM #703H - OWB - PWP0	22,484.4	22,791.5	518.4	349.3	3.065	SF
HARRIER FEDERAL COM #704H - OWB - PWP0	22,484.4	22,509.3	665.0	498.2	3.986	SF
HARRIER FEDERAL COM #801H - OWB - PWP0	22,484.4	22,636.6				Out of Range @TD
HARRIER FEDERAL COM #802H - OWB - PWP0	22,484.4	22,834.5	526.8	361.8	3.192	SF
QUIJOTE 2 STATE COM #706H - OWB - AWP	22,484.4	17,057.0				Out of Range @TD
QUIJOTE 2 STATE COM #715H - OWB - AWP	22,484.4	17,118.8				Out of Range @TD
PILEDRIIVER & FIGURE FOUR FEDERAL PROJECT						
HARRIER FEDERAL COM #202H - OWB - AWP	22,484.4	19,461.0				Out of Range @TD
MONSOON FEDERAL SWD #1 - OWB - AWP	22,484.4	12,117.9				Out of Range @TD
PILEDRIIVER FEDERAL #711H - OWB - PWP0	22,484.4	22,780.1				Out of Range @TD
PILEDRIIVER FEDERAL #712H - OWB - PWP0	22,484.4	22,475.8				Out of Range @TD
PILEDRIIVER FEDERAL #713H - OWB - PWP0	22,484.4	22,755.7				Out of Range @TD
PILEDRIIVER FEDERAL #714H - OWB - PWP0	22,484.4	22,480.2				Out of Range @TD
PILEDRIIVER FEDERAL #715H - OWB - PWP0	22,484.4	22,825.7				Out of Range @TD
PILEDRIIVER FEDERAL #716H - OWB - PWP0	22,484.4	22,580.6				Out of Range @TD

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER 35 FEDERAL COM #1H - OWB - AWP												Offset Site Error: 0.0 usft	
Survey Program: 100-GYRO-NS, 4800-MWD												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	
12,825.0	12,147.5	14,568.7	11,969.2	16.2	73.0	3.93	-1,066.0	39.5	995.5	907.2	88.23	11.282	
12,920.0	12,147.5	14,567.3	11,969.3	16.2	73.0	3.44	-1,066.1	40.9	901.9	813.8	88.06	10.242	
13,015.0	12,147.5	14,565.9	11,969.3	16.2	73.0	2.95	-1,066.1	42.3	808.6	720.8	87.83	9.206	
13,110.0	12,147.5	14,564.5	11,969.3	16.3	72.9	2.46	-1,066.1	43.7	715.8	628.3	87.55	8.177	
13,205.0	12,147.5	14,563.1	11,969.4	16.3	72.9	1.97	-1,066.1	45.1	623.7	536.5	87.16	7.156	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER 35 FEDERAL COM #1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-GYRO-NS, 4800-MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,300.0	12,147.5	14,561.7	11,969.4	16.4	72.9	1.48	-1,066.1	46.5	532.6	446.0	86.60	6.150	
13,395.0	12,147.5	14,560.3	11,969.4	16.4	72.8	0.99	-1,066.1	47.9	443.1	357.3	85.75	5.166	
13,490.0	12,147.5	14,558.9	11,969.4	16.5	72.8	0.49	-1,066.1	49.3	356.4	272.1	84.33	4.226	
13,585.0	12,147.5	14,557.5	11,969.5	16.5	72.8	0.00	-1,066.1	50.7	275.3	193.7	81.55	3.375	
13,680.0	12,147.5	14,556.1	11,969.5	16.8	72.7	-0.49	-1,066.2	52.1	206.4	131.1	75.29	2.741	
13,775.0	12,147.5	14,554.7	11,969.5	17.4	72.7	-0.98	-1,066.2	53.5	165.7	101.4	64.26	2.578	
13,807.3	12,147.5	14,554.2	11,969.5	17.6	72.7	-1.15	-1,066.2	54.0	162.5	99.3	63.19	2.572 CC, ES	
13,870.0	12,147.5	14,553.3	11,969.5	18.0	72.7	-1.48	-1,066.2	54.9	174.2	103.6	70.59	2.468 SF	
13,965.0	12,147.5	14,551.9	11,969.6	18.6	72.7	-1.97	-1,066.2	56.3	226.5	143.7	82.80	2.735	
14,060.0	12,147.5	14,550.5	11,969.6	19.2	72.6	-2.46	-1,066.2	57.7	300.5	212.8	87.69	3.427	
14,155.0	12,147.5	14,549.1	11,969.6	19.8	72.6	-2.95	-1,066.2	59.1	383.8	294.4	89.47	4.290	
14,250.0	12,147.5	14,547.7	11,969.7	20.4	72.6	-3.45	-1,066.2	60.5	471.6	381.4	90.17	5.230	
14,345.0	12,147.5	14,546.3	11,969.7	21.1	72.5	-3.94	-1,066.2	61.9	561.7	471.3	90.48	6.209	
14,440.0	12,147.5	14,544.9	11,969.7	21.7	72.5	-4.43	-1,066.2	63.3	653.2	562.6	90.62	7.209	
14,535.0	12,147.5	14,543.5	11,969.7	22.3	72.5	-4.92	-1,066.3	64.7	745.6	654.9	90.68	8.222	
14,630.0	12,147.5	14,543.8	11,969.7	23.0	72.5	-4.83	-1,066.3	64.4	838.6	747.8	90.75	9.240	
14,725.0	12,147.5	14,542.0	11,969.8	23.6	72.4	-5.45	-1,066.3	66.2	932.0	841.2	90.77	10.267	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #101H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8898-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)			
8,835.0	8,781.9	19,755.0	9,491.2	11.7	89.6	83.26	796.3	471.2	941.1	842.8	98.36	9.568	
8,930.0	8,876.9	19,755.0	9,491.2	11.8	89.6	83.26	796.3	471.2	858.0	759.3	98.64	8.698	
9,025.0	8,971.9	19,755.0	9,491.2	11.9	89.6	83.26	796.3	471.2	777.6	678.6	98.91	7.861	
9,120.0	9,066.9	19,755.0	9,491.2	12.0	89.6	83.26	796.3	471.2	700.8	601.6	99.14	7.068	
9,215.0	9,161.9	19,751.7	9,491.5	12.2	89.6	83.69	793.1	471.2	629.0	529.7	99.32	6.333	
9,310.0	9,256.9	19,743.6	9,492.2	12.3	89.5	84.75	785.0	471.4	564.1	464.7	99.39	5.675	
9,405.0	9,351.9	19,735.5	9,492.9	12.4	89.5	85.82	776.9	471.6	508.5	409.2	99.30	5.121	
9,500.0	9,446.9	19,727.3	9,493.6	12.5	89.4	86.89	768.8	471.7	465.7	366.8	98.99	4.705	
9,595.0	9,541.9	19,719.2	9,494.3	12.6	89.3	87.96	760.7	471.9	439.5	341.0	98.55	4.460	
9,673.4	9,620.3	19,712.5	9,494.9	12.7	89.3	88.85	754.0	472.0	432.5	334.2	98.35	4.398	CC, ES, SF
9,690.0	9,636.9	19,711.1	9,495.0	12.7	89.2	89.04	752.6	472.1	432.8	334.5	98.35	4.401	
9,785.0	9,731.9	19,703.0	9,495.7	12.9	89.2	90.11	744.5	472.2	446.6	347.9	98.69	4.525	
9,880.0	9,826.9	19,694.8	9,496.4	13.0	89.1	91.18	736.4	472.4	479.0	379.7	99.31	4.823	
9,975.0	9,921.9	19,687.1	9,497.0	13.1	89.0	92.20	728.7	472.5	526.7	426.8	99.90	5.272	
10,070.0	10,016.9	19,680.2	9,497.6	13.2	89.0	93.11	721.8	472.7	585.9	485.5	100.39	5.836	
10,165.0	10,111.9	19,673.7	9,498.2	13.3	88.9	93.96	715.3	472.8	653.5	552.7	100.79	6.484	
10,260.0	10,206.9	19,667.5	9,498.6	13.5	88.9	94.77	709.1	473.0	727.2	626.0	101.14	7.190	
10,355.0	10,301.9	19,661.6	9,499.1	13.6	88.8	95.54	703.3	473.1	805.3	703.8	101.45	7.938	
10,450.0	10,396.9	19,656.0	9,499.5	13.7	88.8	96.26	697.7	473.2	886.7	784.9	101.76	8.714	
10,545.0	10,491.9	19,650.7	9,499.9	13.8	88.7	96.95	692.4	473.3	970.5	868.4	102.05	9.510	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #102H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8457-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,265.0	8,211.9	19,312.0	9,011.4	11.0	90.3	-83.20	791.6	-348.9	997.6	900.6	96.98	10.287	
8,360.0	8,306.9	19,312.0	9,011.4	11.1	90.3	-83.20	791.6	-348.9	911.0	813.7	97.28	9.364	
8,455.0	8,401.9	19,307.1	9,011.7	11.2	90.2	-83.91	786.7	-348.9	826.2	728.6	97.57	8.468	
8,550.0	8,496.9	19,301.8	9,011.9	11.3	90.2	-84.68	781.5	-348.9	743.8	646.0	97.87	7.600	
8,645.0	8,591.9	19,296.5	9,012.2	11.4	90.1	-85.46	776.2	-348.9	664.8	566.6	98.19	6.771	
8,740.0	8,686.9	19,291.2	9,012.5	11.6	90.1	-86.24	770.9	-348.9	590.5	492.0	98.50	5.994	
8,835.0	8,781.9	19,285.9	9,012.8	11.7	90.0	-87.01	765.6	-349.0	522.8	424.0	98.78	5.292	
8,930.0	8,876.9	19,280.6	9,013.1	11.8	90.0	-87.79	760.3	-349.0	464.7	365.8	98.95	4.696	
9,025.0	8,971.9	19,275.3	9,013.4	11.9	89.9	-88.57	755.0	-349.0	420.2	321.3	98.93	4.248	
9,120.0	9,066.9	19,270.0	9,013.7	12.0	89.9	-89.35	749.7	-349.0	394.0	295.3	98.75	3.990	
9,185.3	9,132.1	19,266.3	9,013.9	12.1	89.9	-89.89	746.0	-349.0	388.6	289.9	98.69	3.937	CC, ES, SF
9,215.0	9,161.9	19,264.7	9,014.0	12.2	89.8	-90.13	744.4	-349.0	389.7	291.0	98.73	3.947	
9,310.0	9,256.9	19,259.4	9,014.3	12.3	89.8	-90.92	739.1	-349.0	408.1	309.0	99.07	4.119	
9,405.0	9,351.9	19,254.1	9,014.6	12.4	89.8	-91.70	733.8	-349.0	446.3	346.8	99.49	4.485	
9,500.0	9,446.9	19,248.8	9,014.9	12.5	89.7	-92.48	728.5	-349.0	499.8	399.9	99.81	5.007	
9,595.0	9,541.9	19,243.6	9,015.2	12.6	89.7	-93.23	723.4	-349.0	564.2	464.2	100.05	5.640	
9,690.0	9,636.9	19,238.9	9,015.4	12.7	89.6	-93.93	718.6	-349.0	636.4	536.1	100.25	6.348	
9,785.0	9,731.9	19,234.4	9,015.7	12.9	89.6	-94.58	714.2	-349.0	713.9	613.4	100.45	7.107	
9,880.0	9,826.9	19,230.3	9,015.9	13.0	89.6	-95.19	710.0	-349.0	795.1	694.5	100.66	7.899	
9,975.0	9,921.9	19,226.4	9,016.0	13.1	89.5	-95.75	706.2	-349.0	879.1	778.3	100.88	8.714	
10,070.0	10,016.9	19,222.8	9,016.2	13.2	89.5	-96.28	702.5	-348.9	965.2	864.0	101.12	9.545	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #201H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8506-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)			
8,455.0	8,401.9	19,405.0	9,242.2	11.2	88.4	-167.20	666.4	21.7	966.0	870.8	95.12	10.156	
8,550.0	8,496.9	19,405.0	9,242.2	11.3	88.4	-167.20	666.4	21.7	871.3	776.0	95.28	9.145	
8,645.0	8,591.9	19,405.0	9,242.2	11.4	88.4	-167.20	666.4	21.7	776.8	681.4	95.42	8.141	
8,740.0	8,686.9	19,405.0	9,242.2	11.6	88.4	-167.20	666.4	21.7	682.4	586.9	95.52	7.144	
8,835.0	8,781.9	19,405.0	9,242.2	11.7	88.4	-167.20	666.4	21.7	588.2	492.6	95.54	6.156	
8,930.0	8,876.9	19,405.0	9,242.2	11.8	88.4	-167.20	666.4	21.7	494.2	398.8	95.42	5.180	
9,025.0	8,971.9	19,405.0	9,242.2	11.9	88.4	-167.20	666.4	21.7	400.8	305.8	95.02	4.218	
9,120.0	9,066.9	19,405.0	9,242.2	12.0	88.4	-167.20	666.4	21.7	308.4	214.4	93.99	3.281	
9,215.0	9,161.9	19,405.0	9,242.2	12.2	88.4	-167.20	666.4	21.7	218.1	127.0	91.13	2.393	
9,310.0	9,256.9	19,405.0	9,242.2	12.3	88.4	-167.20	666.4	21.7	134.6	53.8	80.81	1.665 Advise and Monitor	
9,405.0	9,351.9	19,405.0	9,242.2	12.4	88.4	-167.20	666.4	21.7	81.8	40.0	41.84	1.956 Advise and Monitor	
9,417.6	9,364.4	19,405.0	9,242.2	12.4	88.4	-167.20	666.4	21.7	80.9	40.5	40.35	2.004 CC	
9,500.0	9,446.9	19,405.0	9,242.2	12.5	88.4	-167.20	666.4	21.7	115.5	37.4	78.04	1.480 Advise and Monitor, ES, SF	
9,595.0	9,541.9	19,405.0	9,242.2	12.6	88.4	-167.20	666.4	21.7	195.0	102.2	92.74	2.102	
9,690.0	9,636.9	19,405.0	9,242.2	12.7	88.4	-167.20	666.4	21.7	284.2	187.6	96.55	2.943	
9,785.0	9,731.9	19,405.0	9,242.2	12.9	88.4	-167.20	666.4	21.7	376.2	278.1	98.09	3.835	
9,880.0	9,826.9	19,405.0	9,242.2	13.0	88.4	-167.20	666.4	21.7	469.4	370.5	98.95	4.745	
9,975.0	9,921.9	19,405.0	9,242.2	13.1	88.4	-167.20	666.4	21.7	563.3	463.7	99.53	5.659	
10,070.0	10,016.9	19,405.0	9,242.2	13.2	88.4	-167.20	666.4	21.7	657.4	557.4	99.99	6.575	
10,165.0	10,111.9	19,405.0	9,242.2	13.3	88.4	-167.20	666.4	21.7	751.8	651.4	100.40	7.488	
10,260.0	10,206.9	19,405.0	9,242.2	13.5	88.4	-167.20	666.4	21.7	846.3	745.5	100.76	8.399	
10,355.0	10,301.9	19,405.0	9,242.2	13.6	88.4	-167.20	666.4	21.7	940.9	839.8	101.11	9.305	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #303H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 100-Standard Keeper 104, 8315-MWD+IFR1+FDIR									Rule Assigned:				Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
8,360.0	8,306.9	19,236.9	9,070.3	11.1	89.2	86.21	773.0	457.8	982.0	885.4	96.55	10.171		
8,455.0	8,401.9	19,234.4	9,070.3	11.2	89.2	86.55	770.5	457.8	897.0	800.2	96.84	9.263		
8,550.0	8,496.9	19,232.0	9,070.4	11.3	89.2	86.88	768.1	457.8	814.2	717.1	97.14	8.382		
8,645.0	8,591.9	19,229.5	9,070.5	11.4	89.2	87.22	765.6	457.8	734.4	636.9	97.44	7.537		
8,740.0	8,686.9	19,227.0	9,070.5	11.6	89.1	87.56	763.1	457.9	658.5	560.8	97.73	6.738		
8,835.0	8,781.9	19,224.6	9,070.6	11.7	89.1	87.90	760.7	457.9	588.3	490.3	98.00	6.003		
8,930.0	8,876.9	19,222.1	9,070.6	11.8	89.1	88.24	758.2	457.9	525.9	427.7	98.19	5.356		
9,025.0	8,971.9	19,219.6	9,070.7	11.9	89.1	88.57	755.7	457.9	474.4	376.2	98.23	4.830		
9,120.0	9,066.9	19,217.2	9,070.8	12.0	89.1	88.91	753.2	458.0	437.8	339.7	98.08	4.463		
9,215.0	9,161.9	19,214.7	9,070.8	12.2	89.0	89.25	750.8	458.0	419.8	321.9	97.90	4.288		
9,248.7	9,195.6	19,213.8	9,070.9	12.2	89.0	89.37	749.9	458.0	418.4	320.5	97.89	4.274	CC, ES, SF	
9,310.0	9,256.9	19,212.2	9,070.9	12.3	89.0	89.59	748.3	458.0	422.9	324.9	98.02	4.315		
9,405.0	9,351.9	19,209.7	9,071.0	12.4	89.0	89.93	745.8	458.1	446.7	348.2	98.46	4.536		
9,500.0	9,446.9	19,207.3	9,071.0	12.5	89.0	90.26	743.4	458.1	488.1	389.1	98.96	4.932		
9,595.0	9,541.9	19,204.8	9,071.1	12.6	88.9	90.60	740.9	458.1	543.1	443.7	99.37	5.465		
9,690.0	9,636.9	19,202.3	9,071.2	12.7	88.9	90.94	738.4	458.1	608.0	508.3	99.69	6.099		
9,785.0	9,731.9	19,199.9	9,071.2	12.9	88.9	91.28	736.0	458.2	680.1	580.1	99.97	6.803		
9,880.0	9,826.9	19,197.4	9,071.3	13.0	88.9	91.62	733.5	458.2	757.2	657.0	100.23	7.555		
9,975.0	9,921.9	19,194.9	9,071.4	13.1	88.9	91.95	731.0	458.2	838.0	737.5	100.48	8.340		
10,070.0	10,016.9	19,192.5	9,071.4	13.2	88.8	92.28	728.6	458.2	921.5	820.8	100.74	9.147		

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #304H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 9409-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)			
9,310.0	9,256.9	20,380.0	9,987.7	12.3	90.5	-81.88	791.8	-286.6	910.9	810.3	100.60	9.055	
9,405.0	9,351.9	20,380.0	9,987.7	12.4	90.5	-81.88	791.8	-286.6	823.1	722.2	100.87	8.160	
9,500.0	9,446.9	20,380.0	9,987.7	12.5	90.5	-81.88	791.8	-286.6	737.0	635.9	101.12	7.288	
9,595.0	9,541.9	20,380.0	9,987.7	12.6	90.5	-81.88	791.8	-286.6	653.4	552.0	101.34	6.447	
9,690.0	9,636.9	20,376.4	9,988.0	12.7	90.5	-82.51	788.2	-286.7	573.3	471.8	101.50	5.648	
9,785.0	9,731.9	20,369.5	9,988.5	12.9	90.4	-83.70	781.4	-286.9	498.5	396.9	101.56	4.908	
9,880.0	9,826.9	20,362.6	9,989.0	13.0	90.4	-84.89	774.5	-287.0	431.5	330.1	101.43	4.254	
9,975.0	9,921.9	20,355.7	9,989.5	13.1	90.3	-86.09	767.6	-287.2	376.7	275.8	100.95	3.732	
10,070.0	10,016.9	20,348.9	9,990.0	13.2	90.3	-87.29	760.8	-287.4	339.9	239.9	100.06	3.397	
10,162.0	10,108.8	20,342.2	9,990.4	13.3	90.2	-88.45	754.2	-287.6	327.3	227.8	99.49	3.290 CC, ES, SF	
10,165.0	10,111.9	20,342.0	9,990.5	13.3	90.2	-88.49	753.9	-287.6	327.3	227.8	99.49	3.290	
10,260.0	10,206.9	20,335.1	9,991.0	13.5	90.1	-89.69	747.1	-287.8	341.6	241.5	100.14	3.411	
10,355.0	10,301.9	20,328.2	9,991.5	13.6	90.1	-90.89	740.2	-288.0	379.7	278.5	101.28	3.749	
10,450.0	10,396.9	20,322.0	9,991.9	13.7	90.0	-91.97	734.0	-288.1	435.5	333.3	102.19	4.262	
10,545.0	10,491.9	20,315.7	9,992.4	13.8	90.0	-93.07	727.7	-288.3	503.1	400.2	102.84	4.892	
10,640.0	10,586.9	20,310.5	9,992.7	14.0	89.9	-93.96	722.6	-288.4	578.3	475.0	103.34	5.597	
10,735.0	10,681.9	20,305.9	9,993.0	14.1	89.9	-94.76	717.9	-288.5	658.7	554.9	103.75	6.349	
10,830.0	10,776.9	20,301.7	9,993.2	14.2	89.8	-95.49	713.7	-288.6	742.5	638.3	104.13	7.130	
10,925.0	10,871.9	20,297.8	9,993.5	14.3	89.8	-96.16	709.9	-288.7	828.7	724.2	104.49	7.931	
11,020.0	10,966.9	20,291.0	9,993.8	14.4	89.8	-97.32	703.1	-288.9	916.6	811.8	104.81	8.745	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #305H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8955-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
8,835.0	8,781.9	19,816.1	9,476.9	11.7	90.3	-90.41	742.1	-403.0	925.6	826.7	98.96	9.354	
8,930.0	8,876.9	19,816.1	9,476.9	11.8	90.3	-90.41	742.1	-403.0	843.4	744.1	99.25	8.497	
9,025.0	8,971.9	19,816.1	9,476.9	11.9	90.3	-90.42	742.1	-403.0	764.2	664.6	99.54	7.677	
9,120.0	9,066.9	19,816.1	9,476.9	12.0	90.3	-90.42	742.1	-403.0	688.9	589.1	99.80	6.903	
9,215.0	9,161.9	19,816.1	9,476.9	12.2	90.3	-90.42	742.1	-403.0	619.1	519.1	100.01	6.191	
9,310.0	9,256.9	19,816.1	9,476.9	12.3	90.3	-90.42	742.0	-403.0	556.8	456.7	100.11	5.562	
9,405.0	9,351.9	19,816.0	9,476.9	12.4	90.3	-90.42	742.0	-403.0	504.9	404.8	100.03	5.047	
9,500.0	9,446.9	19,816.0	9,476.9	12.5	90.3	-90.43	742.0	-403.0	466.6	366.9	99.74	4.679	
9,595.0	9,541.9	19,816.0	9,476.9	12.6	90.3	-90.43	742.0	-403.0	445.7	346.3	99.41	4.484	
9,648.0	9,594.8	19,816.0	9,476.9	12.7	90.3	-90.43	742.0	-403.0	442.6	343.2	99.35	4.455	CC, ES, SF
9,690.0	9,636.9	19,816.0	9,476.9	12.7	90.3	-90.43	742.0	-403.0	444.6	345.1	99.42	4.472	
9,785.0	9,731.9	19,816.0	9,476.9	12.9	90.3	-90.43	742.0	-403.0	463.3	363.4	99.90	4.638	
9,880.0	9,826.9	19,816.0	9,476.9	13.0	90.3	-90.44	741.9	-403.0	499.7	399.2	100.56	4.970	
9,975.0	9,921.9	19,815.9	9,476.9	13.1	90.3	-90.44	741.9	-403.0	550.3	449.1	101.14	5.441	
10,070.0	10,016.9	19,815.9	9,476.9	13.2	90.3	-90.44	741.9	-403.0	611.5	509.9	101.63	6.017	
10,165.0	10,111.9	19,815.9	9,476.9	13.3	90.3	-90.44	741.9	-403.0	680.6	578.6	102.04	6.670	
10,260.0	10,206.9	19,815.9	9,476.9	13.5	90.3	-90.44	741.9	-403.0	755.3	652.9	102.40	7.376	
10,355.0	10,301.9	19,815.9	9,476.9	13.6	90.3	-90.45	741.9	-403.0	834.1	731.4	102.74	8.119	
10,450.0	10,396.9	19,815.9	9,476.9	13.7	90.3	-90.45	741.8	-403.0	916.0	813.0	103.07	8.887	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 12125-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	146.19	-44.8	30.0	53.9				
95.0	95.0	94.5	94.5	3.0	3.0	146.19	-44.8	30.0	53.9	47.9	6.00	8.985	
190.0	190.0	189.5	189.5	3.0	3.0	146.19	-44.8	30.0	53.9	47.9	6.01	8.976	
285.0	285.0	284.5	284.5	3.0	3.0	146.19	-44.8	30.0	53.9	47.9	6.02	8.954	
380.0	380.0	379.5	379.5	3.0	3.0	146.19	-44.8	30.0	53.9	47.9	6.04	8.920	
475.0	475.0	474.5	474.5	3.0	3.0	146.19	-44.8	30.0	53.9	47.8	6.08	8.875	
570.0	570.0	569.5	569.5	3.1	3.1	146.19	-44.8	30.0	53.9	47.8	6.11	8.819	
665.0	665.0	664.5	664.5	3.1	3.1	146.19	-44.8	30.0	53.9	47.8	6.16	8.753	
760.0	760.0	759.5	759.5	3.1	3.1	146.19	-44.8	30.0	53.9	47.7	6.21	8.677	
855.0	855.0	854.5	854.5	3.2	3.2	146.19	-44.8	30.0	53.9	47.6	6.27	8.593	
950.0	950.0	949.5	949.5	3.2	3.2	146.19	-44.8	30.0	53.9	47.6	6.34	8.501	
1,045.0	1,045.0	1,044.5	1,044.5	3.3	3.3	146.19	-44.8	30.0	53.9	47.5	6.42	8.401	
1,140.0	1,140.0	1,139.5	1,139.5	3.3	3.3	146.19	-44.8	30.0	53.9	47.4	6.50	8.296	
1,235.0	1,235.0	1,234.5	1,234.5	3.4	3.4	146.19	-44.8	30.0	53.9	47.3	6.59	8.185	
1,330.0	1,330.0	1,329.5	1,329.5	3.4	3.4	146.19	-44.8	30.0	53.9	47.2	6.68	8.069	
1,425.0	1,425.0	1,424.5	1,424.5	3.5	3.5	146.19	-44.8	30.0	53.9	47.1	6.78	7.950 CC	
1,427.2	1,427.2	1,426.7	1,426.7	3.5	3.5	143.15	-44.8	30.0	53.9	47.1	6.78	7.948	
1,520.0	1,520.0	1,519.5	1,519.5	3.6	3.6	143.12	-44.8	30.1	54.0	47.1	6.89	7.839 ES, SF	
1,615.0	1,615.0	1,614.5	1,614.5	3.6	3.6	142.20	-43.5	31.9	55.7	48.8	6.96	8.008	
1,710.0	1,709.8	1,709.3	1,709.1	3.7	3.7	140.18	-40.5	36.3	60.1	53.1	7.01	8.573	
1,805.0	1,804.4	1,803.9	1,803.3	3.8	3.7	137.49	-35.7	43.3	67.0	60.0	7.04	9.524	
1,900.0	1,898.7	1,898.1	1,896.8	3.8	3.8	134.60	-29.2	52.8	76.7	69.6	7.06	10.861	
1,995.0	1,992.7	1,991.8	1,989.4	3.9	3.8	131.55	-21.0	64.7	88.6	81.5	7.08	12.515	
2,090.0	2,086.6	2,085.0	2,081.0	4.0	3.9	127.62	-11.1	79.1	101.5	94.4	7.08	14.338	
2,185.0	2,180.6	2,177.6	2,171.3	4.1	4.0	123.16	0.3	95.7	115.6	108.6	7.06	16.373	
2,280.0	2,274.5	2,269.6	2,260.4	4.2	4.0	118.52	13.3	114.7	131.5	124.5	7.05	18.655	
2,375.0	2,368.5	2,362.6	2,350.2	4.2	4.1	114.52	27.0	134.5	148.5	141.5	7.06	21.023	
2,470.0	2,462.5	2,455.5	2,440.0	4.3	4.2	111.35	40.6	154.3	166.1	159.0	7.11	23.375	
2,565.0	2,556.4	2,548.5	2,529.8	4.4	4.2	108.78	54.2	174.2	184.0	176.9	7.17	25.680	
2,660.0	2,650.4	2,641.5	2,619.6	4.5	4.3	106.67	67.8	194.0	202.3	195.1	7.25	27.918	
2,755.0	2,744.3	2,734.4	2,709.4	4.6	4.4	104.91	81.4	213.8	220.8	213.4	7.34	30.079	
2,850.0	2,838.3	2,827.4	2,799.2	4.7	4.5	103.43	95.1	233.7	239.4	232.0	7.45	32.153	
2,945.0	2,932.2	2,920.4	2,889.0	4.8	4.6	102.15	108.7	253.5	258.2	250.6	7.56	34.138	
3,040.0	3,026.2	3,013.3	2,978.8	4.9	4.7	101.05	122.3	273.4	277.1	269.4	7.69	36.029	
3,135.0	3,120.1	3,106.3	3,068.6	5.0	4.7	100.09	135.9	293.2	296.0	288.2	7.83	37.827	
3,230.0	3,214.1	3,199.3	3,158.4	5.1	4.8	99.25	149.6	313.0	315.1	307.1	7.97	39.531	
3,325.0	3,308.1	3,292.2	3,248.2	5.2	4.9	98.50	163.2	332.9	334.2	326.1	8.12	41.142	
3,420.0	3,402.0	3,385.2	3,338.0	5.3	5.0	97.84	176.8	352.7	353.3	345.1	8.28	42.664	
3,515.0	3,496.0	3,478.2	3,427.8	5.4	5.1	97.24	190.4	372.6	372.5	364.1	8.45	44.098	
3,610.0	3,589.9	3,571.1	3,517.6	5.5	5.3	96.70	204.1	392.4	391.7	383.1	8.62	45.447	
3,705.0	3,683.9	3,664.1	3,607.4	5.6	5.4	96.21	217.7	412.2	411.0	402.2	8.80	46.715	
3,800.0	3,777.8	3,757.1	3,697.2	5.7	5.5	95.76	231.3	432.1	430.3	421.3	8.98	47.904	
3,895.0	3,871.8	3,850.0	3,787.0	5.8	5.6	95.35	244.9	451.9	449.6	440.4	9.17	49.018	
3,990.0	3,965.8	3,943.0	3,876.8	5.9	5.7	94.98	258.5	471.7	468.9	459.5	9.37	50.061	
4,085.0	4,059.7	4,036.0	3,966.6	6.0	5.8	94.64	272.2	491.6	488.2	478.7	9.57	51.036	
4,180.0	4,153.7	4,129.0	4,056.4	6.1	5.9	94.32	285.8	511.4	507.6	497.8	9.77	51.946	
4,275.0	4,247.6	4,221.9	4,146.2	6.2	6.1	94.02	299.4	531.3	527.0	517.0	9.98	52.794	
4,370.0	4,341.6	4,314.9	4,236.0	6.3	6.2	93.75	313.0	551.1	546.4	536.2	10.20	53.585	
4,465.0	4,435.5	4,407.9	4,325.8	6.4	6.3	93.49	326.7	570.9	565.8	555.3	10.42	54.321	
4,560.0	4,529.5	4,500.8	4,415.6	6.5	6.5	93.26	340.3	590.8	585.2	574.5	10.64	55.005	
4,655.0	4,623.4	4,593.8	4,505.4	6.6	6.6	93.03	353.9	610.6	604.6	593.7	10.87	55.640	
4,750.0	4,717.4	4,686.8	4,595.2	6.7	6.7	92.82	367.5	630.5	624.0	612.9	11.10	56.228	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #701H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program:		0-Standard Keeper 104, 1500-Standard Keeper 104, 12125-MWD+IFR1+MS							Rule Assigned:				Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,845.0	4,811.4	4,779.7	4,685.0	6.8	6.9	92.63	381.2	650.3	643.4	632.1	11.33	56.780		
4,940.0	4,905.3	4,872.7	4,774.8	6.9	7.0	92.44	394.8	670.1	662.9	651.3	11.57	57.281		
5,035.0	4,999.3	4,965.7	4,864.6	7.0	7.2	92.27	408.4	690.0	682.3	670.5	11.82	57.746		
5,130.0	5,093.2	5,058.6	4,954.4	7.2	7.4	92.10	422.0	709.8	701.7	689.7	12.06	58.176		
5,225.0	5,187.2	5,151.6	5,044.2	7.3	7.5	91.95	435.6	729.6	721.2	708.9	12.31	58.572		
5,320.0	5,281.1	5,244.6	5,134.0	7.4	7.7	91.80	449.3	749.5	740.7	728.1	12.57	58.936		
5,415.0	5,375.1	5,337.5	5,223.8	7.5	7.9	91.66	462.9	769.3	760.1	747.3	12.82	59.271		
5,510.0	5,469.1	5,430.5	5,313.6	7.6	8.0	91.53	476.5	789.2	779.6	766.5	13.09	59.577		
5,605.0	5,563.0	5,523.5	5,403.4	7.7	8.2	91.40	490.1	809.0	799.1	785.7	13.35	59.857		
5,700.0	5,657.0	5,616.4	5,493.2	7.8	8.4	91.28	503.8	828.8	818.5	804.9	13.62	60.112		
5,795.0	5,750.9	5,709.4	5,583.0	7.9	8.6	91.16	517.4	848.7	838.0	824.1	13.89	60.343		
5,890.0	5,844.9	5,802.4	5,672.7	8.1	8.8	91.05	531.0	868.5	857.5	843.3	14.16	60.552		
5,985.0	5,938.8	5,895.3	5,762.5	8.2	9.0	90.95	544.6	888.4	877.0	862.5	14.44	60.741		
6,080.0	6,032.8	5,988.3	5,852.3	8.3	9.2	90.85	558.3	908.2	896.5	881.7	14.72	60.911		
6,175.0	6,126.7	6,081.3	5,942.1	8.4	9.4	90.75	571.9	928.0	915.9	900.9	15.00	61.062		
6,270.0	6,220.7	6,174.2	6,031.9	8.5	9.6	90.66	585.5	947.9	935.4	920.1	15.29	61.196		
6,365.0	6,314.7	6,267.2	6,121.7	8.6	9.8	90.63	599.1	967.7	954.9	939.4	15.57	61.319		
6,460.0	6,408.8	6,360.2	6,211.5	8.8	10.0	90.67	612.7	987.5	974.4	958.6	15.85	61.464		
6,555.0	6,503.1	6,453.0	6,301.2	8.9	10.2	90.62	626.4	1,007.4	993.9	977.8	16.12	61.642		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 12009-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	180.00	-45.0	0.0	45.0				
95.0	95.0	95.0	95.0	3.0	3.0	180.00	-45.0	0.0	45.0	39.0	6.00	7.499	
190.0	190.0	190.0	190.0	3.0	3.0	180.00	-45.0	0.0	45.0	39.0	6.01	7.489	
285.0	285.0	285.0	285.0	3.0	3.0	180.00	-45.0	0.0	45.0	39.0	6.03	7.465	
380.0	380.0	380.0	380.0	3.0	3.0	180.00	-45.0	0.0	45.0	38.9	6.06	7.429	
475.0	475.0	475.0	475.0	3.0	3.0	180.00	-45.0	0.0	45.0	38.9	6.10	7.381	
570.0	570.0	570.0	570.0	3.1	3.1	180.00	-45.0	0.0	45.0	38.9	6.15	7.322	
665.0	665.0	665.0	665.0	3.1	3.1	180.00	-45.0	0.0	45.0	38.8	6.21	7.252	
760.0	760.0	760.0	760.0	3.1	3.1	180.00	-45.0	0.0	45.0	38.7	6.27	7.173	
855.0	855.0	855.0	855.0	3.2	3.2	180.00	-45.0	0.0	45.0	38.6	6.35	7.085	
950.0	950.0	950.0	950.0	3.2	3.2	180.00	-45.0	0.0	45.0	38.6	6.44	6.990	
1,045.0	1,045.0	1,045.0	1,045.0	3.3	3.3	180.00	-45.0	0.0	45.0	38.5	6.53	6.888	
1,140.0	1,140.0	1,140.0	1,140.0	3.3	3.3	180.00	-45.0	0.0	45.0	38.4	6.64	6.781	
1,235.0	1,235.0	1,235.0	1,235.0	3.4	3.4	180.00	-45.0	0.0	45.0	38.3	6.75	6.670	
1,330.0	1,330.0	1,330.0	1,330.0	3.4	3.4	180.00	-45.0	0.0	45.0	38.1	6.86	6.555	
1,425.0	1,425.0	1,425.0	1,425.0	3.5	3.5	180.00	-45.0	0.0	45.0	38.0	6.99	6.438 CC	
1,427.2	1,427.2	1,427.2	1,427.2	3.5	3.5	176.96	-45.0	0.0	45.0	38.0	6.99	6.435	
1,520.0	1,520.0	1,520.3	1,520.3	3.6	3.6	176.93	-44.9	0.0	45.0	37.9	7.14	6.301	
1,615.0	1,615.0	1,616.7	1,616.7	3.6	3.8	176.13	-42.8	0.8	45.1	37.7	7.43	6.071	
1,710.0	1,709.8	1,713.1	1,712.9	3.7	4.5	174.20	-37.5	2.6	45.4	37.4	7.97	5.692 ES	
1,805.0	1,804.4	1,809.5	1,808.9	3.8	5.2	171.20	-29.2	5.5	45.9	37.5	8.41	5.453	
1,900.0	1,898.7	1,905.8	1,904.4	3.8	5.7	167.24	-17.9	9.4	46.8	38.0	8.74	5.352	
1,995.0	1,992.7	2,000.7	1,998.4	3.9	6.0	163.37	-5.4	13.7	48.9	40.1	8.84	5.529	
2,090.0	2,086.6	2,095.6	2,092.4	4.0	6.1	159.88	7.1	18.1	51.3	42.4	8.89	5.771	
2,185.0	2,180.6	2,190.5	2,186.4	4.1	6.3	156.71	19.5	22.4	53.9	45.0	8.98	6.007	
2,280.0	2,274.5	2,285.4	2,280.4	4.2	6.5	153.85	32.0	26.7	56.7	47.6	9.10	6.231	
2,375.0	2,368.5	2,380.4	2,374.4	4.2	6.7	151.26	44.5	31.0	59.6	50.3	9.25	6.439	
2,470.0	2,462.5	2,475.3	2,468.4	4.3	6.9	148.91	57.0	35.4	62.6	53.1	9.44	6.629	
2,565.0	2,556.4	2,570.2	2,562.4	4.4	7.1	146.77	69.5	39.7	65.6	56.0	9.65	6.800	
2,660.0	2,650.4	2,665.1	2,656.4	4.5	7.3	144.83	82.0	44.0	68.8	58.9	9.90	6.953	
2,755.0	2,744.3	2,760.0	2,750.4	4.6	7.5	143.07	94.4	48.3	72.0	61.9	10.16	7.089	
2,850.0	2,838.3	2,855.0	2,844.4	4.7	7.8	141.46	106.9	52.7	75.4	64.9	10.45	7.210	
2,945.0	2,932.2	2,949.9	2,938.4	4.8	8.0	139.98	119.4	57.0	78.7	68.0	10.76	7.318	
3,040.0	3,026.2	3,044.8	3,032.4	4.9	8.3	138.62	131.9	61.3	82.1	71.0	11.08	7.414	
3,135.0	3,120.1	3,139.7	3,126.4	5.0	8.6	137.38	144.4	65.7	85.6	74.2	11.41	7.499	
3,230.0	3,214.1	3,234.6	3,220.4	5.1	8.8	136.23	156.9	70.0	89.0	77.3	11.76	7.575	
3,325.0	3,308.1	3,329.6	3,314.4	5.2	9.1	135.17	169.3	74.3	92.6	80.5	12.11	7.644	
3,420.0	3,402.0	3,424.5	3,408.3	5.3	9.4	134.18	181.8	78.6	96.1	83.6	12.48	7.705	
3,515.0	3,496.0	3,519.4	3,502.3	5.4	9.7	133.27	194.3	83.0	99.7	86.8	12.85	7.759	
3,610.0	3,589.9	3,614.3	3,596.3	5.5	10.0	132.42	206.8	87.3	103.3	90.1	13.23	7.809	
3,705.0	3,683.9	3,709.2	3,690.3	5.6	10.3	131.62	219.3	91.6	106.9	93.3	13.61	7.853	
3,800.0	3,777.8	3,804.2	3,784.3	5.7	10.6	130.88	231.8	95.9	110.5	96.5	14.00	7.894	
3,895.0	3,871.8	3,899.1	3,878.3	5.8	10.9	130.19	244.2	100.3	114.2	99.8	14.40	7.930	
3,990.0	3,965.8	3,994.0	3,972.3	5.9	11.2	129.54	256.7	104.6	117.9	103.1	14.80	7.963	
4,085.0	4,059.7	4,088.9	4,066.3	6.0	11.5	128.93	269.2	108.9	121.6	106.4	15.21	7.993	
4,180.0	4,153.7	4,183.8	4,160.3	6.1	11.8	128.35	281.7	113.3	125.3	109.6	15.62	8.020	
4,275.0	4,247.6	4,278.8	4,254.3	6.2	12.1	127.81	294.2	117.6	129.0	112.9	16.03	8.045	
4,370.0	4,341.6	4,373.7	4,348.3	6.3	12.4	127.30	306.6	121.9	132.7	116.2	16.45	8.067	
4,465.0	4,435.5	4,468.6	4,442.3	6.4	12.7	126.81	319.1	126.2	136.4	119.6	16.87	8.087	
4,560.0	4,529.5	4,563.5	4,536.3	6.5	13.1	126.36	331.6	130.6	140.2	122.9	17.29	8.105	
4,655.0	4,623.4	4,658.4	4,630.3	6.6	13.4	125.92	344.1	134.9	143.9	126.2	17.72	8.122	
4,750.0	4,717.4	4,753.4	4,724.3	6.7	13.7	125.51	356.6	139.2	147.7	129.5	18.15	8.137	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 12009-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,811.4	4,848.3	4,818.3	6.8	14.0	125.12	369.1	143.6	151.4	132.9	18.58	8.150	
4,940.0	4,905.3	4,943.2	4,912.3	6.9	14.3	124.75	381.5	147.9	155.2	136.2	19.01	8.162	
5,035.0	4,999.3	5,038.1	5,006.3	7.0	14.7	124.39	394.0	152.2	159.0	139.5	19.45	8.173	
5,130.0	5,093.2	5,133.0	5,100.3	7.2	15.0	124.05	406.5	156.5	162.8	142.9	19.89	8.183	
5,225.0	5,187.2	5,228.0	5,194.3	7.3	15.3	123.73	419.0	160.9	166.6	146.2	20.33	8.191	
5,320.0	5,281.1	5,322.9	5,288.3	7.4	15.7	123.42	431.5	165.2	170.3	149.6	20.78	8.199	
5,415.0	5,375.1	5,417.8	5,382.3	7.5	16.0	123.13	444.0	169.5	174.1	152.9	21.22	8.205	
5,510.0	5,469.1	5,512.7	5,476.3	7.6	16.3	122.84	456.4	173.8	177.9	156.3	21.67	8.211	
5,605.0	5,563.0	5,607.6	5,570.3	7.7	16.6	122.57	468.9	178.2	181.8	159.6	22.12	8.216	
5,700.0	5,657.0	5,702.6	5,664.3	7.8	17.0	122.31	481.4	182.5	185.6	163.0	22.57	8.220	
5,795.0	5,750.9	5,797.5	5,758.2	7.9	17.3	122.06	493.9	186.8	189.4	166.3	23.03	8.224	
5,890.0	5,844.9	5,892.4	5,852.2	8.1	17.6	121.82	506.4	191.2	193.2	169.7	23.48	8.227	
5,985.0	5,938.8	5,987.3	5,946.2	8.2	18.0	121.59	518.8	195.5	197.0	173.1	23.94	8.229	
6,080.0	6,032.8	6,082.2	6,040.2	8.3	18.3	121.37	531.3	199.8	200.8	176.4	24.40	8.231	
6,175.0	6,126.7	6,177.2	6,134.2	8.4	18.6	121.16	543.8	204.1	204.7	179.8	24.86	8.232	
6,270.0	6,220.7	6,272.1	6,228.2	8.5	19.0	120.95	556.3	208.5	208.5	183.2	25.33	8.232	
6,365.0	6,314.7	6,367.0	6,322.2	8.6	19.3	120.75	568.8	212.8	212.3	186.5	25.79	8.231	
6,460.0	6,408.8	6,461.9	6,416.2	8.8	19.6	120.29	581.3	217.1	215.5	189.2	26.25	8.210	
6,555.0	6,503.1	6,556.8	6,510.2	8.9	20.0	119.48	593.7	221.5	217.9	191.2	26.69	8.163	
6,650.0	6,597.7	6,651.7	6,604.2	9.0	20.3	118.33	606.2	225.8	219.6	192.5	27.13	8.095	
6,745.0	6,692.3	6,746.5	6,698.1	9.1	20.7	116.82	618.7	230.1	220.7	193.1	27.56	8.009	
6,840.0	6,787.1	6,841.3	6,791.9	9.2	21.0	114.96	631.1	234.4	221.3	193.3	27.97	7.911	
6,935.0	6,882.0	6,935.9	6,885.6	9.3	21.3	112.74	643.6	238.7	221.5	193.1	28.36	7.808	
7,030.0	6,976.9	7,030.3	6,979.1	9.4	21.7	110.15	656.0	243.0	221.4	192.7	28.75	7.703	
7,107.5	7,054.3	7,107.2	7,055.3	9.5	21.9	107.77	666.1	246.5	221.4	192.4	29.06	7.619	
7,125.0	7,071.9	7,124.6	7,072.5	9.6	22.0	107.19	668.4	247.3	221.4	192.3	29.13	7.600	
7,220.0	7,166.9	7,218.7	7,165.7	9.7	22.3	106.92	680.8	251.6	221.6	192.1	29.52	7.507	
7,315.0	7,261.9	7,312.8	7,258.8	9.8	22.7	103.55	693.2	255.9	222.5	192.6	29.93	7.436	
7,410.0	7,356.9	7,407.4	7,352.5	9.9	23.0	100.33	705.1	260.1	224.1	193.8	30.33	7.389	
7,505.0	7,451.9	7,502.4	7,446.9	10.0	23.3	97.53	715.7	263.7	226.1	195.4	30.75	7.355	
7,600.0	7,546.9	7,597.7	7,541.7	10.1	23.7	95.16	724.8	266.9	228.3	197.1	31.17	7.324	
7,695.0	7,641.9	7,693.4	7,637.0	10.3	24.0	93.20	732.4	269.5	230.3	198.8	31.58	7.294	
7,790.0	7,736.9	7,789.3	7,732.7	10.4	24.3	91.66	738.6	271.7	232.2	200.2	31.99	7.259	
7,885.0	7,831.9	7,885.4	7,828.7	10.5	24.7	90.51	743.2	273.3	233.7	201.3	32.39	7.215	
7,980.0	7,926.9	7,981.6	7,924.8	10.6	25.0	89.74	746.4	274.4	234.8	202.0	32.78	7.162	
8,075.0	8,021.9	8,077.9	8,021.1	10.7	25.3	89.35	748.0	274.9	235.3	202.2	33.16	7.096	
8,170.0	8,116.9	8,173.6	8,116.9	10.8	25.7	89.29	748.2	275.0	235.4	201.9	33.53	7.022	
8,265.0	8,211.9	8,268.6	8,211.9	11.0	26.0	89.29	748.2	275.0	235.4	201.5	33.89	6.946	
8,360.0	8,306.9	8,363.6	8,306.9	11.1	26.3	89.29	748.2	275.0	235.4	201.2	34.26	6.872	
8,455.0	8,401.9	8,458.6	8,401.9	11.2	26.6	89.29	748.2	275.0	235.4	200.8	34.62	6.799	
8,550.0	8,496.9	8,553.6	8,496.9	11.3	26.9	89.29	748.2	275.0	235.4	200.4	34.99	6.728	
8,645.0	8,591.9	8,648.6	8,591.9	11.4	27.3	89.29	748.2	275.0	235.4	200.1	35.36	6.657	
8,740.0	8,686.9	8,743.6	8,686.9	11.6	27.6	89.29	748.2	275.0	235.4	199.7	35.73	6.589	
8,835.0	8,781.9	8,838.6	8,781.9	11.7	27.9	89.29	748.2	275.0	235.4	199.3	36.10	6.521	
8,930.0	8,876.9	8,933.6	8,876.9	11.8	28.2	89.29	748.2	275.0	235.4	198.9	36.47	6.455	
9,025.0	8,971.9	9,028.6	8,971.9	11.9	28.6	89.29	748.2	275.0	235.4	198.6	36.84	6.390	
9,120.0	9,066.9	9,123.6	9,066.9	12.0	28.9	89.29	748.2	275.0	235.4	198.2	37.22	6.326	
9,215.0	9,161.9	9,218.6	9,161.9	12.2	29.2	89.29	748.2	275.0	235.4	197.8	37.59	6.263	
9,310.0	9,256.9	9,313.6	9,256.9	12.3	29.5	89.29	748.2	275.0	235.4	197.5	37.96	6.201	
9,405.0	9,351.9	9,408.6	9,351.9	12.4	29.9	89.29	748.2	275.0	235.4	197.1	38.34	6.141	
9,500.0	9,446.9	9,503.6	9,446.9	12.5	30.2	89.29	748.2	275.0	235.4	196.7	38.71	6.081	
9,595.0	9,541.9	9,598.6	9,541.9	12.6	30.5	89.29	748.2	275.0	235.4	196.3	39.09	6.023	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 12009-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,690.0	9,636.9	9,693.6	9,636.9	12.7	30.8	89.29	748.2	275.0	235.4	196.0	39.46	5.966	
9,785.0	9,731.9	9,788.6	9,731.9	12.9	31.2	89.29	748.2	275.0	235.4	195.6	39.84	5.909	
9,880.0	9,826.9	9,883.6	9,826.9	13.0	31.5	89.29	748.2	275.0	235.4	195.2	40.22	5.854	
9,975.0	9,921.9	9,978.6	9,921.9	13.1	31.8	89.29	748.2	275.0	235.4	194.8	40.59	5.800	
10,070.0	10,016.9	10,073.6	10,016.9	13.2	32.2	89.29	748.2	275.0	235.4	194.4	40.97	5.746	
10,165.0	10,111.9	10,168.6	10,111.9	13.3	32.5	89.29	748.2	275.0	235.4	194.1	41.35	5.694	
10,260.0	10,206.9	10,263.6	10,206.9	13.5	32.8	89.29	748.2	275.0	235.4	193.7	41.73	5.642	
10,355.0	10,301.9	10,358.6	10,301.9	13.6	33.1	89.29	748.2	275.0	235.4	193.3	42.11	5.591	
10,450.0	10,396.9	10,453.6	10,396.9	13.7	33.5	89.29	748.2	275.0	235.4	192.9	42.49	5.541	
10,545.0	10,491.9	10,548.6	10,491.9	13.8	33.8	89.29	748.2	275.0	235.4	192.6	42.87	5.492	
10,640.0	10,586.9	10,643.6	10,586.9	14.0	34.1	89.29	748.2	275.0	235.4	192.2	43.25	5.444	
10,735.0	10,681.9	10,738.6	10,681.9	14.1	34.5	89.29	748.2	275.0	235.4	191.8	43.63	5.396	
10,830.0	10,776.9	10,833.6	10,776.9	14.2	34.8	89.29	748.2	275.0	235.4	191.4	44.01	5.349	
10,925.0	10,871.9	10,928.6	10,871.9	14.3	35.1	89.29	748.2	275.0	235.4	191.0	44.39	5.304	
11,020.0	10,966.9	11,023.6	10,966.9	14.4	35.5	89.29	748.2	275.0	235.4	190.6	44.77	5.258	
11,115.0	11,061.9	11,118.6	11,061.9	14.6	35.8	89.29	748.2	275.0	235.4	190.3	45.15	5.214	
11,210.0	11,156.9	11,213.6	11,156.9	14.7	36.1	89.29	748.2	275.0	235.4	189.9	45.54	5.170	
11,305.0	11,251.9	11,308.6	11,251.9	14.8	36.4	89.29	748.2	275.0	235.4	189.5	45.92	5.127	
11,400.0	11,346.9	11,403.6	11,346.9	14.9	36.8	89.29	748.2	275.0	235.4	189.1	46.30	5.084	
11,495.0	11,441.9	11,498.6	11,441.9	15.0	37.1	89.29	748.2	275.0	235.4	188.7	46.69	5.043	
11,590.0	11,536.9	11,593.6	11,536.9	15.2	37.4	89.29	748.2	275.0	235.4	188.3	47.07	5.001	
11,685.0	11,631.9	11,688.6	11,631.9	15.3	37.8	89.29	748.2	275.0	235.4	188.0	47.45	4.961	
11,685.1	11,631.9	11,688.7	11,631.9	15.3	37.8	89.29	748.2	275.0	235.4	188.0	47.45	4.961	
11,780.0	11,726.7	11,783.5	11,726.7	15.4	38.1	-91.17	748.2	275.0	235.5	187.6	47.83	4.923	
11,875.0	11,819.3	11,876.1	11,819.3	15.5	38.4	-95.85	748.2	275.0	236.8	188.4	48.36	4.896	
11,970.0	11,906.0	11,962.8	11,906.0	15.6	38.7	-103.27	748.2	275.0	243.9	194.6	49.28	4.950	
12,065.0	11,983.4	12,044.5	11,987.7	15.7	38.9	-111.19	746.9	275.3	263.4	212.9	50.50	5.215	
12,160.0	12,048.4	12,136.4	12,078.1	15.9	38.9	-118.12	731.8	279.2	295.9	244.6	51.32	5.767	
12,255.0	12,098.5	12,243.3	12,177.2	16.0	38.9	-123.50	693.5	288.9	337.3	285.5	51.79	6.513	
12,350.0	12,131.7	12,373.4	12,282.2	16.0	39.0	-127.32	619.7	307.8	382.5	330.5	52.07	7.346	
12,445.0	12,146.7	12,538.5	12,379.6	16.1	39.0	-129.18	491.5	340.5	425.8	373.5	52.35	8.135	
12,540.0	12,147.5	12,747.6	12,429.4	16.1	39.1	-129.02	296.4	390.2	457.3	404.6	52.74	8.671	
12,635.0	12,147.5	12,859.9	12,429.5	16.1	39.1	-127.08	187.1	416.2	474.4	421.5	52.89	8.969	
12,730.0	12,147.5	12,967.9	12,429.5	16.2	39.2	-125.63	81.2	437.2	488.9	435.7	53.16	9.196	
12,825.0	12,147.5	13,077.4	12,429.5	16.2	39.3	-124.52	-26.9	454.4	500.6	447.1	53.53	9.353	
12,920.0	12,147.5	13,187.9	12,429.5	16.2	39.4	-123.72	-136.7	467.5	509.5	455.5	53.98	9.439	
13,015.0	12,147.5	13,299.3	12,429.5	16.2	39.6	-123.21	-247.7	476.5	515.4	460.9	54.51	9.455	
13,110.0	12,147.5	13,411.2	12,429.5	16.3	39.7	-122.97	-359.5	481.1	518.2	463.1	55.12	9.402	
13,205.0	12,147.5	13,513.1	12,429.5	16.3	39.8	-122.95	-461.3	482.1	518.5	462.8	55.66	9.315	
13,300.0	12,147.5	13,608.1	12,429.5	16.4	39.9	-122.95	-556.3	482.7	518.5	462.3	56.18	9.228	
13,395.0	12,147.5	13,703.1	12,429.5	16.4	40.1	-122.95	-651.3	483.2	518.5	461.7	56.75	9.136	
13,490.0	12,147.5	13,798.1	12,429.5	16.5	40.2	-122.95	-746.3	483.8	518.5	461.1	57.35	9.041	
13,585.0	12,147.5	13,893.1	12,429.5	16.5	40.3	-122.95	-841.3	484.4	518.5	460.5	57.97	8.943	
13,680.0	12,147.5	13,988.1	12,429.5	16.8	40.5	-122.95	-936.3	485.0	518.5	459.8	58.63	8.843	
13,775.0	12,147.5	14,083.1	12,429.5	17.4	40.7	-122.95	-1,031.3	485.6	518.5	459.2	59.32	8.741	
13,870.0	12,147.5	14,178.1	12,429.5	18.0	40.9	-122.95	-1,126.3	486.1	518.5	458.4	60.03	8.637	
13,965.0	12,147.5	14,273.1	12,429.5	18.6	41.1	-122.95	-1,221.3	486.7	518.5	457.7	60.77	8.532	
14,060.0	12,147.5	14,368.1	12,429.5	19.2	41.3	-122.95	-1,316.3	487.3	518.5	456.9	61.53	8.426	
14,155.0	12,147.5	14,463.1	12,429.5	19.8	41.5	-122.95	-1,411.3	487.9	518.5	456.1	62.32	8.319	
14,250.0	12,147.5	14,558.1	12,429.5	20.4	41.7	-122.95	-1,506.3	488.5	518.5	455.3	63.13	8.213	
14,345.0	12,147.5	14,653.1	12,429.5	21.1	42.0	-122.95	-1,601.3	489.0	518.5	454.5	63.96	8.106	
14,440.0	12,147.5	14,748.1	12,429.5	21.7	42.2	-122.95	-1,696.3	489.6	518.5	453.7	64.82	7.999	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 12009-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,535.0	12,147.5	14,843.1	12,429.5	22.3	42.5	-122.95	-1,791.3	490.2	518.5	452.8	65.69	7.893	
14,630.0	12,147.5	14,938.1	12,429.5	23.0	42.8	-122.95	-1,886.3	490.8	518.5	451.9	66.58	7.787	
14,725.0	12,147.5	15,033.1	12,429.5	23.6	43.1	-122.95	-1,981.3	491.4	518.5	451.0	67.49	7.682	
14,820.0	12,147.5	15,128.1	12,429.5	24.3	43.4	-122.95	-2,076.3	491.9	518.5	450.0	68.42	7.578	
14,915.0	12,147.5	15,223.1	12,429.5	25.0	43.7	-122.95	-2,171.3	492.5	518.5	449.1	69.37	7.474	
15,010.0	12,147.5	15,318.1	12,429.5	25.6	44.0	-122.95	-2,266.3	493.1	518.5	448.1	70.33	7.372	
15,105.0	12,147.5	15,413.1	12,429.5	26.3	44.3	-122.95	-2,361.3	493.7	518.5	447.2	71.31	7.271	
15,200.0	12,147.5	15,508.1	12,429.5	27.0	44.7	-122.95	-2,456.3	494.3	518.5	446.2	72.30	7.171	
15,295.0	12,147.5	15,603.1	12,429.5	27.6	45.0	-122.95	-2,551.3	494.9	518.5	445.2	73.31	7.073	
15,390.0	12,147.5	15,698.1	12,429.5	28.3	45.4	-122.95	-2,646.3	495.4	518.5	444.1	74.33	6.975	
15,485.0	12,147.5	15,793.1	12,429.5	29.0	45.8	-122.95	-2,741.3	496.0	518.5	443.1	75.36	6.880	
15,580.0	12,147.5	15,888.1	12,429.5	29.7	46.1	-122.95	-2,836.3	496.6	518.5	442.0	76.41	6.785	
15,675.0	12,147.5	15,983.1	12,429.5	30.4	46.5	-122.95	-2,931.3	497.2	518.5	441.0	77.47	6.692	
15,770.0	12,147.5	16,078.1	12,429.5	31.0	46.9	-122.95	-3,026.3	497.8	518.5	439.9	78.54	6.601	
15,865.0	12,147.5	16,173.1	12,429.5	31.7	47.3	-122.95	-3,121.3	498.3	518.5	438.8	79.63	6.511	
15,960.0	12,147.5	16,268.1	12,429.5	32.4	47.7	-122.95	-3,216.3	498.9	518.5	437.7	80.72	6.423	
16,055.0	12,147.5	16,363.1	12,429.5	33.1	48.2	-122.95	-3,311.3	499.5	518.5	436.6	81.82	6.336	
16,150.0	12,147.5	16,458.1	12,429.5	33.8	48.6	-122.95	-3,406.3	500.1	518.5	435.5	82.94	6.251	
16,245.0	12,147.5	16,553.1	12,429.5	34.5	49.0	-122.95	-3,501.3	500.7	518.5	434.4	84.06	6.167	
16,340.0	12,147.5	16,648.1	12,429.5	35.2	49.5	-122.95	-3,596.3	501.2	518.5	433.3	85.20	6.085	
16,435.0	12,147.5	16,743.1	12,429.5	35.9	49.9	-122.95	-3,691.3	501.8	518.5	432.1	86.34	6.005	
16,530.0	12,147.5	16,838.1	12,429.5	36.6	50.4	-122.95	-3,786.3	502.4	518.5	431.0	87.49	5.926	
16,625.0	12,147.5	16,933.1	12,429.5	37.3	50.8	-122.95	-3,881.3	503.0	518.5	429.8	88.65	5.848	
16,720.0	12,147.5	17,028.1	12,429.5	38.0	51.3	-122.95	-3,976.3	503.6	518.5	428.6	89.82	5.772	
16,815.0	12,147.5	17,123.1	12,429.5	38.7	51.8	-122.95	-4,071.3	504.1	518.5	427.5	91.00	5.697	
16,910.0	12,147.5	17,218.1	12,429.5	39.4	52.2	-122.95	-4,166.3	504.7	518.5	426.3	92.18	5.624	
17,005.0	12,147.5	17,313.1	12,429.5	40.1	52.7	-122.95	-4,261.2	505.3	518.5	425.1	93.37	5.552	
17,100.0	12,147.5	17,408.1	12,429.5	40.8	53.2	-122.95	-4,356.2	505.9	518.5	423.9	94.57	5.482	
17,195.0	12,147.5	17,503.1	12,429.5	41.5	53.7	-122.95	-4,451.2	506.5	518.5	422.7	95.78	5.413	
17,290.0	12,147.5	17,598.1	12,429.5	42.2	54.2	-122.95	-4,546.2	507.0	518.4	421.5	96.99	5.345	
17,385.0	12,147.5	17,693.1	12,429.5	42.9	54.7	-122.95	-4,641.2	507.6	518.4	420.2	98.21	5.279	
17,480.0	12,147.5	17,788.1	12,429.5	43.6	55.2	-122.95	-4,736.2	508.2	518.4	419.0	99.43	5.214	
17,575.0	12,147.5	17,883.1	12,429.5	44.3	55.7	-122.95	-4,831.2	508.8	518.4	417.8	100.66	5.150	
17,670.0	12,147.5	17,978.1	12,429.5	45.0	56.3	-122.95	-4,926.2	509.4	518.4	416.5	101.90	5.088	
17,765.0	12,147.5	18,073.1	12,429.5	45.7	56.8	-122.95	-5,021.2	510.0	518.4	415.3	103.14	5.027	
17,860.0	12,147.5	18,168.1	12,429.5	46.4	57.3	-122.95	-5,116.2	510.5	518.4	414.1	104.39	4.967	
17,955.0	12,147.5	18,263.1	12,429.5	47.1	57.9	-122.95	-5,211.2	511.1	518.4	412.8	105.64	4.908	
18,050.0	12,147.5	18,358.1	12,429.5	47.8	58.4	-122.95	-5,306.2	511.7	518.4	411.5	106.90	4.850	
18,145.0	12,147.5	18,453.1	12,429.5	48.5	58.9	-122.95	-5,401.2	512.3	518.4	410.3	108.16	4.793	
18,240.0	12,147.5	18,548.1	12,429.5	49.3	59.5	-122.95	-5,496.2	512.9	518.4	409.0	109.43	4.738	
18,335.0	12,147.5	18,643.1	12,429.5	50.0	60.0	-122.95	-5,591.2	513.4	518.4	407.7	110.70	4.683	
18,430.0	12,147.5	18,738.1	12,429.5	50.7	60.6	-122.95	-5,686.2	514.0	518.4	406.5	111.97	4.630	
18,525.0	12,147.5	18,833.1	12,429.5	51.4	61.1	-122.95	-5,781.2	514.6	518.4	405.2	113.25	4.578	
18,620.0	12,147.5	18,928.1	12,429.5	52.1	61.7	-122.95	-5,876.2	515.2	518.4	403.9	114.54	4.526	
18,715.0	12,147.5	19,023.1	12,429.5	52.8	62.3	-122.95	-5,971.2	515.8	518.4	402.6	115.82	4.476	
18,810.0	12,147.5	19,118.1	12,429.5	53.5	62.8	-122.95	-6,066.2	516.3	518.4	401.3	117.12	4.427	
18,905.0	12,147.5	19,213.1	12,429.5	54.2	63.4	-122.95	-6,161.2	516.9	518.4	400.0	118.41	4.378	
19,000.0	12,147.5	19,308.1	12,429.5	54.9	64.0	-122.95	-6,256.2	517.5	518.4	398.7	119.71	4.331	
19,095.0	12,147.5	19,403.1	12,429.5	55.7	64.6	-122.95	-6,351.2	518.1	518.4	397.4	121.01	4.284	
19,190.0	12,147.5	19,498.1	12,429.5	56.4	65.1	-122.95	-6,446.2	518.7	518.4	396.1	122.32	4.238	
19,285.0	12,147.5	19,593.1	12,429.5	57.1	65.7	-122.95	-6,541.2	519.2	518.4	394.8	123.63	4.194	
19,380.0	12,147.5	19,688.1	12,429.5	57.8	66.3	-122.95	-6,636.2	519.8	518.4	393.5	124.94	4.149	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 1500-MWD+IFR1+MS, 12009-MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference	Offset	Offset		Semi Major Axis		Offset Wellbore Centre			Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,475.0	12,147.5	19,783.1	12,429.5	58.5	66.9	-122.95	-6,731.2	520.4	518.4	392.2	126.26	4.106		
19,570.0	12,147.5	19,878.1	12,429.5	59.2	67.5	-122.95	-6,826.2	521.0	518.4	390.9	127.58	4.064		
19,665.0	12,147.5	19,973.1	12,429.5	59.9	68.1	-122.95	-6,921.2	521.6	518.4	389.5	128.90	4.022		
19,760.0	12,147.5	20,068.1	12,429.5	60.7	68.7	-122.95	-7,016.2	522.2	518.4	388.2	130.22	3.981		
19,855.0	12,147.5	20,163.1	12,429.5	61.4	69.3	-122.95	-7,111.2	522.7	518.4	386.9	131.55	3.941		
19,950.0	12,147.5	20,258.1	12,429.5	62.1	69.9	-122.95	-7,206.2	523.3	518.4	385.6	132.88	3.901		
20,045.0	12,147.5	20,353.1	12,429.5	62.8	70.5	-122.95	-7,301.2	523.9	518.4	384.2	134.21	3.863		
20,140.0	12,147.5	20,448.1	12,429.5	63.5	71.1	-122.95	-7,396.2	524.5	518.4	382.9	135.55	3.825		
20,235.0	12,147.5	20,543.1	12,429.5	64.2	71.7	-122.95	-7,491.2	525.1	518.4	381.5	136.89	3.787		
20,330.0	12,147.5	20,638.1	12,429.5	65.0	72.3	-122.95	-7,586.2	525.6	518.4	380.2	138.23	3.751		
20,425.0	12,147.5	20,733.1	12,429.5	65.7	72.9	-122.95	-7,681.2	526.2	518.4	378.9	139.57	3.714		
20,520.0	12,147.5	20,828.1	12,429.5	66.4	73.5	-122.95	-7,776.2	526.8	518.4	377.5	140.91	3.679		
20,615.0	12,147.5	20,923.1	12,429.5	67.1	74.1	-122.95	-7,871.2	527.4	518.4	376.2	142.26	3.644		
20,710.0	12,147.5	21,018.1	12,429.5	67.8	74.8	-122.95	-7,966.2	528.0	518.4	374.8	143.61	3.610		
20,805.0	12,147.5	21,113.1	12,429.5	68.5	75.4	-122.95	-8,061.2	528.5	518.4	373.5	144.96	3.576		
20,900.0	12,147.5	21,208.1	12,429.5	69.3	76.0	-122.95	-8,156.2	529.1	518.4	372.1	146.32	3.543		
20,995.0	12,147.5	21,303.1	12,429.5	70.0	76.6	-122.95	-8,251.2	529.7	518.4	370.8	147.67	3.511		
21,090.0	12,147.5	21,398.1	12,429.5	70.7	77.3	-122.95	-8,346.2	530.3	518.4	369.4	149.03	3.479		
21,185.0	12,147.5	21,493.1	12,429.5	71.4	77.9	-122.95	-8,441.2	530.9	518.4	368.0	150.39	3.447		
21,280.0	12,147.5	21,588.1	12,429.5	72.1	78.5	-122.95	-8,536.2	531.4	518.4	366.7	151.75	3.416		
21,375.0	12,147.5	21,683.1	12,429.5	72.9	79.1	-122.95	-8,631.2	532.0	518.4	365.3	153.11	3.386		
21,470.0	12,147.5	21,778.1	12,429.5	73.6	79.8	-122.95	-8,726.2	532.6	518.4	363.9	154.48	3.356		
21,565.0	12,147.5	21,873.1	12,429.5	74.3	80.4	-122.95	-8,821.2	533.2	518.4	362.6	155.84	3.327		
21,660.0	12,147.5	21,968.1	12,429.5	75.0	81.0	-122.95	-8,916.2	533.8	518.4	361.2	157.21	3.298		
21,755.0	12,147.5	22,063.1	12,429.5	75.7	81.7	-122.95	-9,011.2	534.4	518.4	359.8	158.58	3.269		
21,850.0	12,147.5	22,158.1	12,429.5	76.4	82.3	-122.95	-9,106.2	534.9	518.4	358.5	159.95	3.241		
21,945.0	12,147.5	22,253.1	12,429.5	77.2	83.0	-122.95	-9,201.2	535.5	518.4	357.1	161.33	3.214		
22,040.0	12,147.5	22,348.1	12,429.5	77.9	83.6	-122.95	-9,296.2	536.1	518.4	355.7	162.70	3.186		
22,135.0	12,147.5	22,443.1	12,429.5	78.6	84.2	-122.95	-9,391.2	536.7	518.4	354.3	164.08	3.160		
22,230.0	12,147.5	22,538.1	12,429.5	79.3	84.9	-122.95	-9,486.2	537.3	518.4	353.0	165.45	3.133		
22,325.0	12,147.5	22,633.1	12,429.5	80.0	85.5	-122.95	-9,581.1	537.8	518.4	351.6	166.83	3.107		
22,420.0	12,147.5	22,728.1	12,429.5	80.8	86.2	-122.95	-9,676.1	538.4	518.4	350.2	168.21	3.082		
22,482.0	12,147.5	22,790.1	12,429.5	81.2	86.6	-122.95	-9,738.2	538.8	518.4	349.3	169.11	3.066		
22,484.4	12,147.5	22,791.5	12,429.5	81.2	86.6	-122.95	-9,739.6	538.8	518.4	349.3	169.13	3.065 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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-146.43	-45.2	-30.0	54.3				
95.0	95.0	94.8	94.8	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.00	9.041	
190.0	190.0	189.8	189.8	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.01	9.031	
285.0	285.0	284.8	284.8	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.02	9.009	
380.0	380.0	379.8	379.8	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.04	8.975	
475.0	475.0	474.8	474.8	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.08	8.929	
570.0	570.0	569.8	569.8	3.1	3.1	-146.43	-45.2	-30.0	54.2	48.1	6.11	8.873	
665.0	665.0	664.8	664.8	3.1	3.1	-146.43	-45.2	-30.0	54.2	48.1	6.16	8.806	
760.0	760.0	759.8	759.8	3.1	3.1	-146.43	-45.2	-30.0	54.2	48.0	6.21	8.730	
855.0	855.0	854.8	854.8	3.2	3.2	-146.43	-45.2	-30.0	54.2	48.0	6.28	8.645	
950.0	950.0	949.8	949.8	3.2	3.2	-146.43	-45.2	-30.0	54.2	47.9	6.34	8.551	
1,045.0	1,045.0	1,044.8	1,044.8	3.3	3.3	-146.43	-45.2	-30.0	54.2	47.8	6.42	8.451	
1,140.0	1,140.0	1,139.8	1,139.8	3.3	3.3	-146.43	-45.2	-30.0	54.2	47.7	6.50	8.345	
1,235.0	1,235.0	1,234.8	1,234.8	3.4	3.4	-146.43	-45.2	-30.0	54.2	47.7	6.59	8.233	
1,330.0	1,330.0	1,329.8	1,329.8	3.4	3.4	-146.43	-45.2	-30.0	54.2	47.6	6.68	8.116	
1,425.0	1,425.0	1,424.8	1,424.8	3.5	3.5	-146.43	-45.2	-30.0	54.2	47.5	6.78	7.996 CC	
1,427.1	1,427.1	1,426.9	1,426.9	3.5	3.5	-149.47	-45.2	-30.0	54.2	47.5	6.79	7.994	
1,520.0	1,520.0	1,519.9	1,519.9	3.6	3.6	-149.44	-45.1	-30.0	54.3	47.4	6.91	7.860 ES	
1,615.0	1,615.0	1,615.5	1,615.5	3.6	3.9	-148.40	-43.3	-31.4	55.5	48.4	7.06	7.860	
1,710.0	1,709.8	1,711.0	1,710.8	3.7	4.5	-146.09	-39.0	-34.7	58.4	51.1	7.30	8.004	
1,805.0	1,804.4	1,806.3	1,805.7	3.8	5.2	-142.86	-32.2	-39.9	63.2	55.8	7.48	8.456	
1,900.0	1,898.7	1,901.4	1,900.1	3.8	5.7	-139.17	-22.8	-47.0	70.1	62.5	7.60	9.219	
1,995.0	1,992.7	1,996.1	1,993.7	3.9	6.0	-135.14	-11.1	-55.8	78.5	70.9	7.64	10.274	
2,090.0	2,086.6	2,090.6	2,086.8	4.0	6.2	-131.36	1.3	-65.2	87.3	79.6	7.70	11.330	
2,185.0	2,180.6	2,185.0	2,179.9	4.1	6.3	-128.28	13.7	-74.7	96.3	88.5	7.85	12.270	
2,280.0	2,274.5	2,279.4	2,273.1	4.2	6.5	-125.74	26.2	-84.1	105.6	97.6	8.05	13.125	
2,375.0	2,368.5	2,373.9	2,366.2	4.2	6.7	-123.60	38.6	-93.5	115.1	106.8	8.28	13.901	
2,470.0	2,462.5	2,468.3	2,459.4	4.3	6.9	-121.80	51.0	-102.9	124.7	116.2	8.54	14.602	
2,565.0	2,556.4	2,562.8	2,552.5	4.4	7.1	-120.25	63.5	-112.3	134.4	125.6	8.82	15.236	
2,660.0	2,650.4	2,657.2	2,645.7	4.5	7.3	-118.92	75.9	-121.7	144.2	135.1	9.12	15.807	
2,755.0	2,744.3	2,751.6	2,738.8	4.6	7.6	-117.75	88.3	-131.1	154.1	144.7	9.44	16.323	
2,850.0	2,838.3	2,846.1	2,831.9	4.7	7.8	-116.72	100.7	-140.5	164.0	154.2	9.77	16.789	
2,945.0	2,932.2	2,940.5	2,925.1	4.8	8.1	-115.81	113.2	-150.0	174.0	163.9	10.11	17.210	
3,040.0	3,026.2	3,034.9	3,018.2	4.9	8.3	-115.00	125.6	-159.4	184.0	173.5	10.46	17.592	
3,135.0	3,120.1	3,129.4	3,111.4	5.0	8.6	-114.28	138.0	-168.8	194.0	183.2	10.82	17.937	
3,230.0	3,214.1	3,223.8	3,204.5	5.1	8.9	-113.62	150.4	-178.2	204.1	192.9	11.18	18.251	
3,325.0	3,308.1	3,318.3	3,297.7	5.2	9.2	-113.03	162.9	-187.6	214.2	202.6	11.55	18.536	
3,420.0	3,402.0	3,412.7	3,390.8	5.3	9.5	-112.49	175.3	-197.0	224.3	212.3	11.93	18.794	
3,515.0	3,496.0	3,507.1	3,483.9	5.4	9.8	-111.99	187.7	-206.4	234.4	222.1	12.32	19.030	
3,610.0	3,589.9	3,601.6	3,577.1	5.5	10.0	-111.54	200.1	-215.8	244.5	231.8	12.71	19.244	
3,705.0	3,683.9	3,696.0	3,670.2	5.6	10.3	-111.13	212.6	-225.3	254.7	241.6	13.10	19.439	
3,800.0	3,777.8	3,790.5	3,763.4	5.7	10.6	-110.74	225.0	-234.7	264.9	251.4	13.50	19.617	
3,895.0	3,871.8	3,884.9	3,856.5	5.8	11.0	-110.38	237.4	-244.1	275.0	261.1	13.91	19.780	
3,990.0	3,965.8	3,979.3	3,949.7	5.9	11.3	-110.05	249.8	-253.5	285.2	270.9	14.31	19.928	
4,085.0	4,059.7	4,073.8	4,042.8	6.0	11.6	-109.75	262.3	-262.9	295.4	280.7	14.73	20.063	
4,180.0	4,153.7	4,168.2	4,135.9	6.1	11.9	-109.46	274.7	-272.3	305.6	290.5	15.14	20.186	
4,275.0	4,247.6	4,262.6	4,229.1	6.2	12.2	-109.19	287.1	-281.7	315.8	300.3	15.56	20.299	
4,370.0	4,341.6	4,357.1	4,322.2	6.3	12.5	-108.94	299.5	-291.1	326.1	310.1	15.98	20.402	
4,465.0	4,435.5	4,451.5	4,415.4	6.4	12.8	-108.70	312.0	-300.6	336.3	319.9	16.41	20.495	
4,560.0	4,529.5	4,546.0	4,508.5	6.5	13.2	-108.48	324.4	-310.0	346.5	329.7	16.84	20.581	
4,655.0	4,623.4	4,640.4	4,601.7	6.6	13.5	-108.27	336.8	-319.4	356.8	339.5	17.27	20.659	
4,750.0	4,717.4	4,734.8	4,694.8	6.7	13.8	-108.07	349.2	-328.8	367.0	349.3	17.70	20.730	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Distance				Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,811.4	4,829.3	4,787.9	6.8	14.1	-107.88	361.7	-338.2	377.2	359.1	18.14	20.795	
4,940.0	4,905.3	4,923.7	4,881.1	6.9	14.5	-107.71	374.1	-347.6	387.5	368.9	18.58	20.854	
5,035.0	4,999.3	5,018.1	4,974.2	7.0	14.8	-107.54	386.5	-357.0	397.7	378.7	19.02	20.907	
5,130.0	5,093.2	5,112.6	5,067.4	7.2	15.1	-107.38	398.9	-366.4	408.0	388.5	19.47	20.956	
5,225.0	5,187.2	5,207.0	5,160.5	7.3	15.5	-107.22	411.4	-375.9	418.3	398.3	19.92	21.000	
5,320.0	5,281.1	5,301.5	5,253.7	7.4	15.8	-107.08	423.8	-385.3	428.5	408.1	20.37	21.039	
5,415.0	5,375.1	5,395.9	5,346.8	7.5	16.1	-106.94	436.2	-394.7	438.8	418.0	20.82	21.075	
5,510.0	5,469.1	5,490.3	5,439.9	7.6	16.5	-106.81	448.7	-404.1	449.0	427.8	21.27	21.107	
5,605.0	5,563.0	5,584.8	5,533.1	7.7	16.8	-106.68	461.1	-413.5	459.3	437.6	21.73	21.136	
5,700.0	5,657.0	5,679.2	5,626.2	7.8	17.1	-106.56	473.5	-422.9	469.6	447.4	22.19	21.161	
5,795.0	5,750.9	5,773.7	5,719.4	7.9	17.5	-106.45	485.9	-432.3	479.8	457.2	22.65	21.184	
5,890.0	5,844.9	5,868.1	5,812.5	8.1	17.8	-106.34	498.4	-441.7	490.1	467.0	23.11	21.204	
5,985.0	5,938.8	5,962.5	5,905.7	8.2	18.1	-106.23	510.8	-451.2	500.4	476.8	23.58	21.221	
6,080.0	6,032.8	6,057.0	5,998.8	8.3	18.5	-106.13	523.2	-460.6	510.7	486.6	24.05	21.236	
6,175.0	6,126.7	6,151.4	6,091.9	8.4	18.8	-106.03	535.6	-470.0	520.9	496.4	24.52	21.249	
6,270.0	6,220.7	6,245.8	6,185.1	8.5	19.2	-105.94	548.1	-479.4	531.2	506.2	24.99	21.260	
6,365.0	6,314.7	6,340.3	6,278.2	8.6	19.5	-105.87	560.5	-488.8	541.5	516.0	25.46	21.269	
6,460.0	6,408.8	6,434.7	6,371.4	8.8	19.8	-105.75	572.9	-498.2	551.4	525.5	25.92	21.272	
6,555.0	6,503.1	6,529.2	6,464.6	8.9	20.2	-105.48	585.3	-507.6	560.9	534.6	26.38	21.267	
6,650.0	6,597.7	6,623.6	6,557.7	9.0	20.5	-105.07	597.8	-517.1	570.1	543.3	26.82	21.256	
6,745.0	6,692.3	6,718.0	6,650.8	9.1	20.9	-104.51	610.2	-526.5	578.9	551.6	27.25	21.241	
6,840.0	6,787.1	6,812.3	6,743.8	9.2	21.2	-103.83	622.6	-535.9	587.4	559.7	27.67	21.228	
6,935.0	6,882.0	6,906.5	6,836.7	9.3	21.5	-103.01	635.0	-545.2	595.6	567.5	28.06	21.224	
7,030.0	6,976.9	7,000.6	6,929.4	9.4	21.9	-102.08	647.4	-554.6	603.6	575.2	28.44	21.224	
7,125.0	7,071.9	7,094.5	7,022.1	9.6	22.2	-101.03	659.7	-564.0	611.6	582.8	28.82	21.221	
7,220.0	7,166.9	7,188.2	7,114.5	9.7	22.6	-96.82	672.0	-573.3	619.5	590.3	29.20	21.218	
7,315.0	7,261.9	7,284.8	7,209.8	9.8	22.9	-95.57	684.6	-582.8	627.5	597.9	29.58	21.214	
7,410.0	7,356.9	7,384.7	7,308.6	9.9	23.3	-94.43	696.4	-591.7	635.0	605.1	29.97	21.187	
7,505.0	7,451.9	7,485.0	7,408.1	10.0	23.6	-93.45	706.8	-599.6	641.9	611.5	30.37	21.138	
7,600.0	7,546.9	7,585.8	7,508.2	10.1	24.0	-92.61	715.9	-606.5	647.9	617.2	30.76	21.067	
7,695.0	7,641.9	7,686.9	7,608.9	10.3	24.3	-91.91	723.6	-612.4	653.1	622.0	31.14	20.971	
7,790.0	7,736.9	7,788.4	7,710.1	10.4	24.7	-91.34	729.9	-617.1	657.4	625.9	31.53	20.851	
7,885.0	7,831.9	7,890.1	7,811.6	10.5	25.1	-90.91	734.8	-620.8	660.8	628.9	31.91	20.707	
7,980.0	7,926.9	7,992.0	7,913.4	10.6	25.4	-90.61	738.2	-623.4	663.2	630.9	32.29	20.538	
8,075.0	8,021.9	8,094.1	8,015.4	10.7	25.7	-90.44	740.2	-625.0	664.6	631.9	32.67	20.345	
8,170.0	8,116.9	8,195.3	8,116.7	10.8	26.1	-90.39	740.8	-625.4	665.0	632.0	33.04	20.128	
8,265.0	8,211.9	8,290.3	8,211.7	11.0	26.4	-90.39	740.8	-625.4	665.0	631.6	33.40	19.908	
8,360.0	8,306.9	8,385.3	8,306.7	11.1	26.7	-90.39	740.8	-625.4	665.0	631.2	33.77	19.690	
8,455.0	8,401.9	8,480.3	8,401.7	11.2	27.0	-90.39	740.8	-625.4	665.0	630.9	34.15	19.476	
8,550.0	8,496.9	8,575.3	8,496.7	11.3	27.3	-90.39	740.8	-625.4	665.0	630.5	34.52	19.266	
8,645.0	8,591.9	8,670.3	8,591.7	11.4	27.6	-90.39	740.8	-625.4	665.0	630.1	34.89	19.061	
8,740.0	8,686.9	8,765.3	8,686.7	11.6	27.9	-90.39	740.8	-625.4	665.0	629.8	35.26	18.859	
8,835.0	8,781.9	8,860.3	8,781.7	11.7	28.3	-90.39	740.8	-625.4	665.0	629.4	35.64	18.662	
8,930.0	8,876.9	8,955.3	8,876.7	11.8	28.6	-90.39	740.8	-625.4	665.0	629.0	36.01	18.468	
9,025.0	8,971.9	9,050.3	8,971.7	11.9	28.9	-90.39	740.8	-625.4	665.0	628.6	36.38	18.278	
9,120.0	9,066.9	9,145.3	9,066.7	12.0	29.2	-90.39	740.8	-625.4	665.0	628.3	36.76	18.091	
9,215.0	9,161.9	9,240.3	9,161.7	12.2	29.5	-90.39	740.8	-625.4	665.0	627.9	37.14	17.908	
9,310.0	9,256.9	9,335.3	9,256.7	12.3	29.8	-90.39	740.8	-625.4	665.0	627.5	37.51	17.728	
9,405.0	9,351.9	9,430.3	9,351.7	12.4	30.2	-90.39	740.8	-625.4	665.0	627.1	37.89	17.552	
9,500.0	9,446.9	9,525.3	9,446.7	12.5	30.5	-90.39	740.8	-625.4	665.0	626.7	38.27	17.379	
9,595.0	9,541.9	9,620.3	9,541.7	12.6	30.8	-90.39	740.8	-625.4	665.0	626.4	38.64	17.209	
9,690.0	9,636.9	9,715.3	9,636.7	12.7	31.1	-90.39	740.8	-625.4	665.0	626.0	39.02	17.042	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Distance				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,785.0	9,731.9	9,810.3	9,731.7	12.9	31.4	-90.39	740.8	-625.4	665.0	625.6	39.40	16.878	
9,880.0	9,826.9	9,905.3	9,826.7	13.0	31.8	-90.39	740.8	-625.4	665.0	625.2	39.78	16.717	
9,975.0	9,921.9	10,000.3	9,921.7	13.1	32.1	-90.39	740.8	-625.4	665.0	624.9	40.16	16.559	
10,070.0	10,016.9	10,095.3	10,016.7	13.2	32.4	-90.39	740.8	-625.4	665.0	624.5	40.54	16.404	
10,165.0	10,111.9	10,190.3	10,111.7	13.3	32.7	-90.39	740.8	-625.4	665.0	624.1	40.92	16.252	
10,260.0	10,206.9	10,285.3	10,206.7	13.5	33.1	-90.39	740.8	-625.4	665.0	623.7	41.30	16.102	
10,355.0	10,301.9	10,380.3	10,301.7	13.6	33.4	-90.39	740.8	-625.4	665.0	623.3	41.68	15.954	
10,450.0	10,396.9	10,475.3	10,396.7	13.7	33.7	-90.39	740.8	-625.4	665.0	623.0	42.06	15.810	
10,545.0	10,491.9	10,570.3	10,491.7	13.8	34.0	-90.39	740.8	-625.4	665.0	622.6	42.45	15.667	
10,640.0	10,586.9	10,665.3	10,586.7	14.0	34.3	-90.39	740.8	-625.4	665.0	622.2	42.83	15.527	
10,735.0	10,681.9	10,760.3	10,681.7	14.1	34.7	-90.39	740.8	-625.4	665.0	621.8	43.21	15.390	
10,830.0	10,776.9	10,855.3	10,776.7	14.2	35.0	-90.39	740.8	-625.4	665.0	621.4	43.59	15.255	
10,925.0	10,871.9	10,950.3	10,871.7	14.3	35.3	-90.39	740.8	-625.4	665.0	621.0	43.98	15.122	
11,020.0	10,966.9	11,045.3	10,966.7	14.4	35.6	-90.39	740.8	-625.4	665.0	620.7	44.36	14.991	
11,115.0	11,061.9	11,140.3	11,061.7	14.6	36.0	-90.39	740.8	-625.4	665.0	620.3	44.75	14.862	
11,210.0	11,156.9	11,235.3	11,156.7	14.7	36.3	-90.39	740.8	-625.4	665.0	619.9	45.13	14.735	
11,305.0	11,251.9	11,330.3	11,251.7	14.8	36.6	-90.39	740.8	-625.4	665.0	619.5	45.52	14.611	
11,400.0	11,346.9	11,425.3	11,346.7	14.9	37.0	-90.39	740.8	-625.4	665.0	619.1	45.90	14.488	
11,495.0	11,441.9	11,520.3	11,441.7	15.0	37.3	-90.39	740.8	-625.4	665.0	618.7	46.29	14.368	
11,590.0	11,536.9	11,615.3	11,536.7	15.2	37.6	-90.39	740.8	-625.4	665.0	618.3	46.67	14.249	
11,685.0	11,631.9	11,710.3	11,631.7	15.3	37.9	-90.39	740.8	-625.4	665.0	618.0	47.04	14.137	
11,780.0	11,726.7	11,805.3	11,726.5	15.4	38.0	89.96	737.4	-625.4	665.0	617.9	47.13	14.110	
11,875.0	11,819.3	11,900.2	11,819.0	15.5	38.0	89.96	716.9	-625.3	665.0	617.9	47.14	14.109	
11,970.0	11,906.0	11,995.1	11,905.6	15.6	38.1	89.97	678.5	-625.0	665.0	617.9	47.15	14.104	
12,065.0	11,983.4	12,090.1	11,983.0	15.7	38.1	89.97	623.8	-624.7	665.0	617.8	47.19	14.093	
12,160.0	12,048.4	12,185.0	12,048.0	15.9	38.2	89.98	554.8	-624.3	665.0	617.8	47.26	14.071	
12,255.0	12,098.5	12,280.0	12,098.1	16.0	38.2	89.98	474.3	-623.8	665.0	617.6	47.38	14.036	
12,326.1	12,125.0	12,351.1	12,124.7	16.0	38.2	89.99	408.5	-623.4	665.0	617.5	47.50	13.999	
12,350.0	12,131.7	12,374.9	12,131.4	16.0	38.2	89.99	385.5	-623.2	665.0	617.5	47.55	13.986	
12,445.0	12,146.7	12,469.9	12,146.4	16.1	38.2	90.00	291.9	-622.7	665.0	617.2	47.77	13.922	
12,540.0	12,147.5	12,564.9	12,147.3	16.1	38.2	90.00	196.9	-622.1	665.0	617.0	48.05	13.839	
12,635.0	12,147.5	12,659.9	12,147.3	16.1	38.2	90.00	101.9	-621.5	665.0	616.6	48.40	13.740	
12,730.0	12,147.5	12,754.9	12,147.3	16.2	38.2	90.00	6.9	-620.9	665.0	616.2	48.80	13.626	
12,825.0	12,147.5	12,849.9	12,147.3	16.2	38.2	90.00	-88.1	-620.3	665.0	615.8	49.26	13.501	
12,920.0	12,147.5	12,944.9	12,147.3	16.2	38.3	90.00	-183.1	-619.7	665.0	615.3	49.75	13.367	
13,015.0	12,147.5	13,039.9	12,147.3	16.2	38.3	90.00	-278.1	-619.2	665.0	614.7	50.29	13.225	
13,110.0	12,147.5	13,134.9	12,147.3	16.3	38.3	90.00	-373.1	-618.6	665.0	614.2	50.86	13.076	
13,205.0	12,147.5	13,229.9	12,147.3	16.3	38.3	90.00	-468.1	-618.0	665.0	613.5	51.47	12.921	
13,300.0	12,147.5	13,324.9	12,147.3	16.4	38.3	90.00	-563.0	-617.4	665.0	612.9	52.11	12.762	
13,395.0	12,147.5	13,419.9	12,147.3	16.4	38.3	90.00	-658.0	-616.8	665.0	612.2	52.78	12.599	
13,490.0	12,147.5	13,514.9	12,147.3	16.5	38.4	90.00	-753.0	-616.3	665.0	611.5	53.49	12.433	
13,585.0	12,147.5	13,609.9	12,147.3	16.5	38.4	90.00	-848.0	-615.7	665.0	610.8	54.22	12.266	
13,680.0	12,147.5	13,704.9	12,147.3	16.8	38.5	90.00	-943.0	-615.1	665.0	610.0	54.97	12.097	
13,775.0	12,147.5	13,799.9	12,147.3	17.4	38.6	90.00	-1,038.0	-614.5	665.0	609.3	55.75	11.928	
13,870.0	12,147.5	13,894.9	12,147.3	18.0	38.7	90.00	-1,133.0	-613.9	665.0	608.5	56.56	11.758	
13,965.0	12,147.5	13,989.9	12,147.3	18.6	38.9	90.00	-1,228.0	-613.3	665.0	607.6	57.38	11.589	
14,060.0	12,147.5	14,084.9	12,147.3	19.2	39.1	90.00	-1,323.0	-612.8	665.0	606.8	58.23	11.421	
14,155.0	12,147.5	14,179.9	12,147.3	19.8	39.4	90.00	-1,418.0	-612.2	665.0	605.9	59.09	11.254	
14,250.0	12,147.5	14,274.9	12,147.3	20.4	39.6	90.00	-1,513.0	-611.6	665.0	605.0	59.98	11.088	
14,345.0	12,147.5	14,369.9	12,147.3	21.1	39.9	90.00	-1,608.0	-611.0	665.0	604.1	60.88	10.923	
14,440.0	12,147.5	14,464.9	12,147.3	21.7	40.2	90.00	-1,703.0	-610.4	665.0	603.2	61.80	10.761	
14,535.0	12,147.5	14,559.9	12,147.3	22.3	40.5	90.00	-1,798.0	-609.9	665.0	602.3	62.74	10.600	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-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)			
14,630.0	12,147.5	14,654.9	12,147.3	23.0	40.8	90.00	-1,893.0	-609.3	665.0	601.3	63.69	10.442	
14,725.0	12,147.5	14,749.9	12,147.3	23.6	41.1	90.00	-1,988.0	-608.7	665.0	600.4	64.65	10.286	
14,820.0	12,147.5	14,844.9	12,147.3	24.3	41.4	90.00	-2,083.0	-608.1	665.0	599.4	65.63	10.132	
14,915.0	12,147.5	14,939.9	12,147.3	25.0	41.7	90.00	-2,178.0	-607.5	665.0	598.4	66.63	9.981	
15,010.0	12,147.5	15,034.9	12,147.3	25.6	42.1	90.00	-2,273.0	-607.0	665.0	597.4	67.64	9.832	
15,105.0	12,147.5	15,129.9	12,147.3	26.3	42.4	90.00	-2,368.0	-606.4	665.0	596.4	68.66	9.686	
15,200.0	12,147.5	15,224.9	12,147.3	27.0	42.8	90.00	-2,463.0	-605.8	665.0	595.3	69.69	9.542	
15,295.0	12,147.5	15,319.9	12,147.3	27.6	43.2	90.00	-2,558.0	-605.2	665.0	594.3	70.74	9.401	
15,390.0	12,147.5	15,414.9	12,147.3	28.3	43.5	90.00	-2,653.0	-604.6	665.0	593.2	71.79	9.263	
15,485.0	12,147.5	15,509.9	12,147.3	29.0	43.9	90.00	-2,748.0	-604.0	665.0	592.2	72.86	9.127	
15,580.0	12,147.5	15,604.9	12,147.3	29.7	44.3	90.00	-2,843.0	-603.5	665.0	591.1	73.94	8.994	
15,675.0	12,147.5	15,699.9	12,147.3	30.4	44.7	90.00	-2,938.0	-602.9	665.0	590.0	75.03	8.863	
15,770.0	12,147.5	15,794.9	12,147.3	31.0	45.1	90.00	-3,033.0	-602.3	665.0	588.9	76.13	8.735	
15,865.0	12,147.5	15,889.9	12,147.3	31.7	45.6	90.00	-3,128.0	-601.7	665.0	587.8	77.24	8.610	
15,960.0	12,147.5	15,984.9	12,147.3	32.4	46.0	90.00	-3,223.0	-601.1	665.0	586.7	78.36	8.487	
16,055.0	12,147.5	16,079.9	12,147.3	33.1	46.4	90.00	-3,318.0	-600.6	665.0	585.5	79.48	8.367	
16,150.0	12,147.5	16,174.9	12,147.3	33.8	46.9	90.00	-3,413.0	-600.0	665.0	584.4	80.62	8.249	
16,245.0	12,147.5	16,269.9	12,147.3	34.5	47.3	90.00	-3,508.0	-599.4	665.0	583.3	81.76	8.134	
16,340.0	12,147.5	16,364.9	12,147.3	35.2	47.8	90.00	-3,603.0	-598.8	665.0	582.1	82.91	8.020	
16,435.0	12,147.5	16,459.9	12,147.3	35.9	48.2	90.00	-3,698.0	-598.2	665.0	580.9	84.07	7.910	
16,530.0	12,147.5	16,554.9	12,147.3	36.6	48.7	90.00	-3,793.0	-597.6	665.0	579.8	85.24	7.802	
16,625.0	12,147.5	16,649.9	12,147.3	37.3	49.2	90.00	-3,888.0	-597.1	665.0	578.6	86.42	7.695	
16,720.0	12,147.5	16,744.9	12,147.3	38.0	49.7	90.00	-3,983.0	-596.5	665.0	577.4	87.60	7.592	
16,815.0	12,147.5	16,839.9	12,147.3	38.7	50.2	90.00	-4,078.0	-595.9	665.0	576.2	88.79	7.490	
16,910.0	12,147.5	16,934.9	12,147.3	39.4	50.7	90.00	-4,173.0	-595.3	665.0	575.0	89.98	7.391	
17,005.0	12,147.5	17,029.9	12,147.3	40.1	51.2	90.00	-4,268.0	-594.7	665.0	573.8	91.18	7.293	
17,100.0	12,147.5	17,124.9	12,147.3	40.8	51.7	90.00	-4,363.0	-594.2	665.0	572.6	92.39	7.198	
17,195.0	12,147.5	17,219.9	12,147.3	41.5	52.2	90.00	-4,458.0	-593.6	665.0	571.4	93.60	7.104	
17,290.0	12,147.5	17,314.9	12,147.3	42.2	52.7	90.00	-4,553.0	-593.0	665.0	570.2	94.82	7.013	
17,385.0	12,147.5	17,409.9	12,147.3	42.9	53.2	90.00	-4,648.0	-592.4	665.0	569.0	96.05	6.924	
17,480.0	12,147.5	17,504.9	12,147.3	43.6	53.7	90.00	-4,743.0	-591.8	665.0	567.7	97.28	6.836	
17,575.0	12,147.5	17,599.9	12,147.3	44.3	54.3	90.00	-4,838.0	-591.2	665.0	566.5	98.52	6.750	
17,670.0	12,147.5	17,694.9	12,147.3	45.0	54.8	90.00	-4,933.0	-590.7	665.0	565.3	99.76	6.666	
17,765.0	12,147.5	17,789.9	12,147.3	45.7	55.3	90.00	-5,028.0	-590.1	665.0	564.0	101.00	6.584	
17,860.0	12,147.5	17,884.9	12,147.3	46.4	55.9	90.00	-5,123.0	-589.5	665.0	562.8	102.25	6.504	
17,955.0	12,147.5	17,979.9	12,147.3	47.1	56.4	90.00	-5,218.0	-588.9	665.0	561.5	103.51	6.425	
18,050.0	12,147.5	18,074.9	12,147.3	47.8	57.0	90.00	-5,313.0	-588.3	665.0	560.2	104.77	6.347	
18,145.0	12,147.5	18,169.9	12,147.3	48.5	57.5	90.00	-5,408.0	-587.8	665.0	559.0	106.03	6.272	
18,240.0	12,147.5	18,264.9	12,147.3	49.3	58.1	90.00	-5,503.0	-587.2	665.0	557.7	107.30	6.198	
18,335.0	12,147.5	18,359.9	12,147.3	50.0	58.7	90.00	-5,598.0	-586.6	665.0	556.4	108.58	6.125	
18,430.0	12,147.5	18,454.9	12,147.3	50.7	59.2	90.00	-5,693.0	-586.0	665.0	555.2	109.85	6.054	
18,525.0	12,147.5	18,549.9	12,147.3	51.4	59.8	90.00	-5,788.0	-585.4	665.0	553.9	111.13	5.984	
18,620.0	12,147.5	18,644.9	12,147.3	52.1	60.4	90.00	-5,882.9	-584.9	665.0	552.6	112.42	5.916	
18,715.0	12,147.5	18,739.9	12,147.3	52.8	60.9	90.00	-5,977.9	-584.3	665.0	551.3	113.70	5.849	
18,810.0	12,147.5	18,834.9	12,147.3	53.5	61.5	90.00	-6,072.9	-583.7	665.0	550.0	115.00	5.783	
18,905.0	12,147.5	18,929.9	12,147.3	54.2	62.1	90.00	-6,167.9	-583.1	665.0	548.7	116.29	5.719	
19,000.0	12,147.5	19,024.9	12,147.3	54.9	62.7	90.00	-6,262.9	-582.5	665.0	547.4	117.59	5.655	
19,095.0	12,147.5	19,119.9	12,147.3	55.7	63.3	90.00	-6,357.9	-581.9	665.0	546.1	118.89	5.594	
19,190.0	12,147.5	19,214.9	12,147.3	56.4	63.9	90.00	-6,452.9	-581.4	665.0	544.8	120.20	5.533	
19,285.0	12,147.5	19,309.9	12,147.3	57.1	64.5	90.00	-6,547.9	-580.8	665.0	543.5	121.50	5.473	
19,380.0	12,147.5	19,404.9	12,147.3	57.8	65.0	90.00	-6,642.9	-580.2	665.0	542.2	122.81	5.415	
19,475.0	12,147.5	19,499.9	12,147.3	58.5	65.6	90.00	-6,737.9	-579.6	665.0	540.9	124.13	5.358	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS												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 (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,570.0	12,147.5	19,594.9	12,147.3	59.2	66.2	90.00	-6,832.9	-579.0	665.0	539.6	125.44	5.301	
19,665.0	12,147.5	19,689.9	12,147.3	59.9	66.9	90.00	-6,927.9	-578.5	665.0	538.3	126.76	5.246	
19,760.0	12,147.5	19,784.9	12,147.3	60.7	67.5	90.00	-7,022.9	-577.9	665.0	536.9	128.08	5.192	
19,855.0	12,147.5	19,879.9	12,147.3	61.4	68.1	90.00	-7,117.9	-577.3	665.0	535.6	129.41	5.139	
19,950.0	12,147.5	19,974.9	12,147.3	62.1	68.7	90.00	-7,212.9	-576.7	665.0	534.3	130.74	5.087	
20,045.0	12,147.5	20,069.9	12,147.3	62.8	69.3	90.00	-7,307.9	-576.1	665.0	533.0	132.06	5.036	
20,140.0	12,147.5	20,164.9	12,147.3	63.5	69.9	90.00	-7,402.9	-575.5	665.0	531.6	133.40	4.985	
20,235.0	12,147.5	20,259.9	12,147.3	64.2	70.5	90.00	-7,497.9	-575.0	665.0	530.3	134.73	4.936	
20,330.0	12,147.5	20,354.9	12,147.3	65.0	71.1	90.00	-7,592.9	-574.4	665.0	529.0	136.07	4.887	
20,425.0	12,147.5	20,449.9	12,147.3	65.7	71.8	90.00	-7,687.9	-573.8	665.0	527.6	137.40	4.840	
20,520.0	12,147.5	20,544.9	12,147.3	66.4	72.4	90.00	-7,782.9	-573.2	665.0	526.3	138.74	4.793	
20,615.0	12,147.5	20,639.9	12,147.3	67.1	73.0	90.00	-7,877.9	-572.6	665.0	524.9	140.09	4.747	
20,710.0	12,147.5	20,734.9	12,147.3	67.8	73.6	90.00	-7,972.9	-572.1	665.0	523.6	141.43	4.702	
20,805.0	12,147.5	20,829.9	12,147.3	68.5	74.3	90.00	-8,067.9	-571.5	665.0	522.2	142.78	4.658	
20,900.0	12,147.5	20,924.9	12,147.3	69.3	74.9	90.00	-8,162.9	-570.9	665.0	520.9	144.13	4.614	
20,995.0	12,147.5	21,019.9	12,147.3	70.0	75.5	90.00	-8,257.9	-570.3	665.0	519.5	145.48	4.571	
21,090.0	12,147.5	21,114.9	12,147.3	70.7	76.2	90.00	-8,352.9	-569.7	665.0	518.2	146.83	4.529	
21,185.0	12,147.5	21,209.9	12,147.3	71.4	76.8	90.00	-8,447.9	-569.1	665.0	516.8	148.18	4.488	
21,280.0	12,147.5	21,304.9	12,147.3	72.1	77.4	90.00	-8,542.9	-568.6	665.0	515.5	149.54	4.447	
21,375.0	12,147.5	21,399.9	12,147.3	72.9	78.1	90.00	-8,637.9	-568.0	665.0	514.1	150.90	4.407	
21,470.0	12,147.5	21,494.9	12,147.3	73.6	78.7	90.00	-8,732.9	-567.4	665.0	512.8	152.25	4.368	
21,565.0	12,147.5	21,589.9	12,147.3	74.3	79.4	90.00	-8,827.9	-566.8	665.0	511.4	153.61	4.329	
21,660.0	12,147.5	21,684.9	12,147.3	75.0	80.0	90.00	-8,922.9	-566.2	665.0	510.0	154.98	4.291	
21,755.0	12,147.5	21,779.9	12,147.3	75.7	80.6	90.00	-9,017.9	-565.7	665.0	508.7	156.34	4.254	
21,850.0	12,147.5	21,874.9	12,147.3	76.4	81.3	90.00	-9,112.9	-565.1	665.0	507.3	157.71	4.217	
21,945.0	12,147.5	21,969.9	12,147.3	77.2	81.9	90.00	-9,207.9	-564.5	665.0	505.9	159.07	4.181	
22,040.0	12,147.5	22,064.9	12,147.3	77.9	82.6	90.00	-9,302.9	-563.9	665.0	504.6	160.44	4.145	
22,135.0	12,147.5	22,159.9	12,147.3	78.6	83.2	90.00	-9,397.9	-563.3	665.0	503.2	161.81	4.110	
22,230.0	12,147.5	22,254.9	12,147.3	79.3	83.9	90.00	-9,492.9	-562.8	665.0	501.8	163.18	4.075	
22,325.0	12,147.5	22,349.9	12,147.3	80.0	84.5	90.00	-9,587.9	-562.2	665.0	500.5	164.55	4.041	
22,420.0	12,147.5	22,444.9	12,147.3	80.8	85.2	90.00	-9,682.9	-561.6	665.0	499.1	165.92	4.008	
22,484.4	12,147.5	22,509.3	12,147.3	81.2	85.6	90.00	-9,747.3	-561.2	665.0	498.2	166.85	3.986 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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #801H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-MWD+IFR1+MS, 11773-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.3	2.3	3.0	3.0	89.62	0.2	30.0	30.0				
95.0	95.0	97.3	97.3	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.00	5.000	
190.0	190.0	192.3	192.3	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.00	4.998	
285.0	285.0	287.3	287.3	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.01	4.994	
380.0	380.0	382.3	382.3	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.02	4.987	
475.0	475.0	477.3	477.3	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.03	4.977	
570.0	570.0	572.3	572.3	3.1	3.1	89.62	0.2	30.0	30.0	24.0	6.04	4.966	
665.0	665.0	667.3	667.3	3.1	3.1	89.62	0.2	30.0	30.0	23.9	6.06	4.952	
760.0	760.0	762.3	762.3	3.1	3.1	89.62	0.2	30.0	30.0	23.9	6.08	4.936	
855.0	855.0	857.3	857.3	3.2	3.2	89.62	0.2	30.0	30.0	23.9	6.10	4.917	
950.0	950.0	952.3	952.3	3.2	3.2	89.62	0.2	30.0	30.0	23.9	6.13	4.897	
1,045.0	1,045.0	1,047.3	1,047.3	3.3	3.3	89.62	0.2	30.0	30.0	23.8	6.15	4.875	
1,140.0	1,140.0	1,142.3	1,142.3	3.3	3.3	89.62	0.2	30.0	30.0	23.8	6.19	4.850	
1,235.0	1,235.0	1,237.3	1,237.3	3.4	3.4	89.62	0.2	30.0	30.0	23.8	6.22	4.824	
1,330.0	1,330.0	1,332.3	1,332.3	3.4	3.4	89.62	0.2	30.0	30.0	23.7	6.26	4.796	
1,425.0	1,425.0	1,427.3	1,427.3	3.5	3.5	89.62	0.2	30.0	30.0	23.7	6.29	4.767	
1,520.0	1,520.0	1,522.3	1,522.3	3.6	3.6	86.71	0.2	30.0	30.0	23.7	6.34	4.735	
1,601.3	1,601.3	1,603.6	1,603.6	3.6	3.6	90.00	0.2	30.0	29.9	23.6	6.38	4.698 CC	
1,615.0	1,615.0	1,617.3	1,617.3	3.6	3.6	90.99	0.2	30.0	30.0	23.6	6.38	4.692 ES, SF	
1,710.0	1,709.8	1,712.1	1,712.1	3.7	3.7	101.12	0.2	30.0	30.5	24.0	6.49	4.705	
1,805.0	1,804.4	1,806.5	1,806.5	3.8	3.8	114.65	0.6	30.4	33.4	26.7	6.73	4.966	
1,900.0	1,898.7	1,900.8	1,900.8	3.8	4.0	125.06	3.0	32.8	39.9	32.9	7.02	5.688	
1,995.0	1,992.7	1,995.2	1,994.9	3.9	4.6	130.76	7.7	37.4	49.0	41.7	7.27	6.738	
2,090.0	2,086.6	2,089.8	2,089.0	4.0	5.2	131.71	14.5	44.1	58.3	50.8	7.46	7.812	
2,185.0	2,180.6	2,184.3	2,182.6	4.1	5.8	129.73	23.6	53.1	67.6	59.9	7.68	8.807	
2,280.0	2,274.5	2,278.6	2,275.6	4.2	6.0	126.04	34.7	64.0	77.2	69.3	7.91	9.758	
2,375.0	2,368.5	2,373.0	2,368.6	4.2	6.2	122.67	46.4	75.5	87.2	79.0	8.18	10.651	
2,470.0	2,462.5	2,467.3	2,461.5	4.3	6.3	120.00	58.1	87.0	97.4	88.9	8.49	11.467	
2,565.0	2,556.4	2,561.7	2,554.4	4.4	6.5	117.84	69.8	98.5	107.7	98.9	8.82	12.220	
2,660.0	2,650.4	2,656.0	2,647.3	4.5	6.7	116.05	81.4	110.0	118.2	109.1	9.15	12.921	
2,755.0	2,744.3	2,750.4	2,740.2	4.6	6.9	114.56	93.1	121.5	128.8	119.3	9.49	13.570	
2,850.0	2,838.3	2,844.7	2,833.2	4.7	7.1	113.30	104.8	133.0	139.5	129.6	9.84	14.173	
2,945.0	2,932.2	2,939.1	2,926.1	4.8	7.4	112.22	116.4	144.5	150.2	140.0	10.20	14.730	
3,040.0	3,026.2	3,033.4	3,019.0	4.9	7.6	111.28	128.1	156.0	160.9	150.4	10.56	15.245	
3,135.0	3,120.1	3,127.8	3,111.9	5.0	7.9	110.46	139.8	167.5	171.7	160.8	10.92	15.722	
3,230.0	3,214.1	3,222.1	3,204.8	5.1	8.1	109.74	151.4	179.0	182.6	171.3	11.30	16.162	
3,325.0	3,308.1	3,316.5	3,297.8	5.2	8.4	109.09	163.1	190.5	193.4	181.8	11.67	16.569	
3,420.0	3,402.0	3,410.9	3,390.7	5.3	8.7	108.52	174.8	202.0	204.3	192.2	12.06	16.945	
3,515.0	3,496.0	3,505.2	3,483.6	5.4	8.9	108.00	186.5	213.5	215.2	202.8	12.44	17.294	
3,610.0	3,589.9	3,599.6	3,576.5	5.5	9.2	107.54	198.1	225.0	226.1	213.3	12.84	17.616	
3,705.0	3,683.9	3,693.9	3,669.5	5.6	9.5	107.11	209.8	236.5	237.0	223.8	13.23	17.913	
3,800.0	3,777.8	3,788.3	3,762.4	5.7	9.8	106.73	221.5	248.0	248.0	234.3	13.63	18.189	
3,895.0	3,871.8	3,882.6	3,855.3	5.8	10.1	106.37	233.1	259.5	258.9	244.9	14.04	18.445	
3,990.0	3,965.8	3,977.0	3,948.2	5.9	10.4	106.05	244.8	271.0	269.9	255.4	14.45	18.682	
4,085.0	4,059.7	4,071.3	4,041.1	6.0	10.7	105.75	256.5	282.5	280.8	266.0	14.86	18.901	
4,180.0	4,153.7	4,165.7	4,134.1	6.1	11.0	105.47	268.2	294.0	291.8	276.5	15.27	19.105	
4,275.0	4,247.6	4,260.0	4,227.0	6.2	11.3	105.21	279.8	305.5	302.8	287.1	15.69	19.294	
4,370.0	4,341.6	4,354.4	4,319.9	6.3	11.6	104.97	291.5	317.0	313.8	297.6	16.12	19.470	
4,465.0	4,435.5	4,448.8	4,412.8	6.4	11.9	104.75	303.2	328.5	324.8	308.2	16.54	19.633	
4,560.0	4,529.5	4,543.1	4,505.7	6.5	12.3	104.54	314.8	340.0	335.7	318.8	16.97	19.785	
4,655.0	4,623.4	4,637.5	4,598.7	6.6	12.6	104.35	326.5	351.5	346.7	329.3	17.40	19.926	
4,750.0	4,717.4	4,731.8	4,691.6	6.7	12.9	104.17	338.2	363.0	357.7	339.9	17.84	20.057	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #801H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-MWD+IFR1+MS, 11773-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,811.4	4,826.2	4,784.5	6.8	13.2	103.99	349.8	374.5	368.7	350.5	18.27	20.179	
4,940.0	4,905.3	4,920.5	4,877.4	6.9	13.5	103.83	361.5	386.0	379.7	361.0	18.71	20.293	
5,035.0	4,999.3	5,014.9	4,970.4	7.0	13.9	103.68	373.2	397.5	390.8	371.6	19.16	20.398	
5,130.0	5,093.2	5,109.2	5,063.3	7.2	14.2	103.53	384.9	409.0	401.8	382.2	19.60	20.496	
5,225.0	5,187.2	5,203.6	5,156.2	7.3	14.5	103.40	396.5	420.5	412.8	392.7	20.05	20.588	
5,320.0	5,281.1	5,297.9	5,249.1	7.4	14.9	103.27	408.2	432.0	423.8	403.3	20.50	20.673	
5,415.0	5,375.1	5,392.3	5,342.0	7.5	15.2	103.14	419.9	443.5	434.8	413.9	20.95	20.752	
5,510.0	5,469.1	5,486.7	5,435.0	7.6	15.5	103.03	431.5	455.0	445.8	424.4	21.41	20.826	
5,605.0	5,563.0	5,581.0	5,527.9	7.7	15.8	102.92	443.2	466.5	456.9	435.0	21.87	20.894	
5,700.0	5,657.0	5,675.4	5,620.8	7.8	16.2	102.81	454.9	478.0	467.9	445.6	22.32	20.958	
5,795.0	5,750.9	5,769.7	5,713.7	7.9	16.5	102.71	466.6	489.5	478.9	456.1	22.79	21.017	
5,890.0	5,844.9	5,864.1	5,806.6	8.1	16.8	102.61	478.2	501.0	489.9	466.7	23.25	21.072	
5,985.0	5,938.8	5,958.4	5,899.6	8.2	17.2	102.52	489.9	512.5	501.0	477.2	23.72	21.123	
6,080.0	6,032.8	6,052.8	5,992.5	8.3	17.5	102.43	501.6	524.0	512.0	487.8	24.18	21.171	
6,175.0	6,126.7	6,147.1	6,085.4	8.4	17.9	102.35	513.2	535.5	523.0	498.4	24.65	21.214	
6,270.0	6,220.7	6,241.5	6,178.3	8.5	18.2	102.26	524.9	547.0	534.0	508.9	25.13	21.255	
6,365.0	6,314.7	6,335.8	6,271.2	8.6	18.5	102.21	536.6	558.4	545.1	519.5	25.60	21.293	
6,460.0	6,408.8	6,430.2	6,364.2	8.8	18.9	102.11	548.2	569.9	555.8	529.8	26.07	21.324	
6,555.0	6,503.1	6,524.6	6,457.1	8.9	19.2	101.86	559.9	581.4	566.3	539.8	26.53	21.347	
6,650.0	6,597.7	6,618.9	6,550.0	9.0	19.5	101.47	571.6	592.9	576.4	549.5	26.98	21.364	
6,745.0	6,692.3	6,713.2	6,642.8	9.1	19.9	100.94	583.2	604.4	586.3	558.9	27.43	21.378	
6,840.0	6,787.1	6,807.3	6,735.6	9.2	20.2	100.28	594.9	615.9	596.0	568.2	27.86	21.395	
6,935.0	6,882.0	6,901.4	6,828.2	9.3	20.6	99.49	606.5	627.4	605.6	577.3	28.27	21.422	
7,030.0	6,976.9	6,995.4	6,920.7	9.4	20.9	98.59	618.1	638.8	615.0	586.4	28.67	21.454	
7,125.0	7,071.9	7,089.1	7,013.1	9.6	21.2	97.59	629.7	650.2	624.4	595.4	29.07	21.484	
7,220.0	7,166.9	7,182.7	7,105.3	9.7	21.6	96.49	641.3	661.7	633.9	604.4	29.46	21.515	
7,315.0	7,261.9	7,276.3	7,197.4	9.8	21.9	95.30	652.9	673.1	643.6	613.8	29.86	21.553	
7,410.0	7,356.9	7,369.8	7,289.5	9.9	22.3	94.14	664.5	684.5	653.6	623.4	30.26	21.598	
7,505.0	7,451.9	7,463.4	7,381.7	10.0	22.6	93.02	676.0	695.9	663.9	633.2	30.66	21.651	
7,600.0	7,546.9	7,556.9	7,473.8	10.1	22.9	91.94	687.6	707.3	674.4	643.3	31.06	21.709	
7,695.0	7,641.9	7,650.5	7,565.9	10.3	23.3	90.89	699.2	718.7	685.1	653.6	31.47	21.772	
7,790.0	7,736.9	7,744.1	7,658.1	10.4	23.6	89.86	710.8	730.1	696.1	664.2	31.87	21.840	
7,885.0	7,831.9	7,837.6	7,750.2	10.5	24.0	88.77	722.3	741.5	707.2	675.0	32.28	21.913	
7,980.0	7,926.9	7,931.2	7,842.3	10.6	24.3	87.72	733.9	752.9	718.6	685.9	32.68	21.989	
8,075.0	8,021.9	8,024.7	7,934.5	10.7	24.6	86.69	745.5	764.3	730.2	697.1	33.09	22.069	
8,170.0	8,116.9	8,124.0	8,032.3	10.8	25.0	85.65	757.5	776.1	741.7	708.2	33.49	22.146	
8,265.0	8,211.9	8,227.6	8,134.7	11.0	25.4	84.61	768.9	787.3	752.3	718.4	33.91	22.188	
8,360.0	8,306.9	8,331.8	8,237.9	11.1	25.7	83.56	779.0	797.3	761.8	727.5	34.32	22.196	
8,455.0	8,401.9	8,436.5	8,341.8	11.2	26.1	82.52	787.8	806.0	770.1	735.4	34.73	22.174	
8,550.0	8,496.9	8,541.6	8,446.4	11.3	26.5	81.47	795.3	813.4	777.2	742.0	35.13	22.122	
8,645.0	8,591.9	8,647.0	8,551.5	11.4	26.9	80.43	801.5	819.4	783.0	747.5	35.53	22.039	
8,740.0	8,686.9	8,752.7	8,657.0	11.6	27.2	79.38	806.2	824.1	787.5	751.6	35.92	21.925	
8,835.0	8,781.9	8,858.7	8,762.8	11.7	27.6	78.33	809.6	827.4	790.8	754.5	36.30	21.781	
8,930.0	8,876.9	8,964.8	8,868.9	11.8	27.9	77.28	811.6	829.4	792.7	756.0	36.68	21.608	
9,025.0	8,971.9	9,070.1	8,974.2	11.9	28.3	76.23	812.2	830.0	793.2	756.2	37.05	21.410	
9,120.0	9,066.9	9,165.1	9,069.2	12.0	28.6	75.18	812.2	830.0	793.2	755.8	37.40	21.208	
9,215.0	9,161.9	9,260.1	9,164.2	12.2	28.9	74.13	812.2	830.0	793.2	755.5	37.76	21.007	
9,310.0	9,256.9	9,355.1	9,259.2	12.3	29.2	73.08	812.2	830.0	793.2	755.1	38.12	20.809	
9,405.0	9,351.9	9,450.1	9,354.2	12.4	29.5	72.03	812.2	830.0	793.2	754.7	38.48	20.614	
9,500.0	9,446.9	9,545.1	9,449.2	12.5	29.8	70.98	812.2	830.0	793.2	754.4	38.84	20.423	
9,595.0	9,541.9	9,640.1	9,544.2	12.6	30.2	69.93	812.2	830.0	793.2	754.0	39.20	20.234	
9,690.0	9,636.9	9,735.1	9,639.2	12.7	30.5	68.88	812.2	830.0	793.2	753.7	39.57	20.049	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #801H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-MWD+IFR1+MS, 11773-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,785.0	9,731.9	9,830.1	9,734.2	12.9	30.8	85.16	812.2	830.0	793.2	753.3	39.93	19.866	
9,880.0	9,826.9	9,925.1	9,829.2	13.0	31.1	85.16	812.2	830.0	793.2	752.9	40.29	19.686	
9,975.0	9,921.9	10,020.1	9,924.2	13.1	31.4	85.16	812.2	830.0	793.2	752.6	40.66	19.510	
10,070.0	10,016.9	10,115.1	10,019.2	13.2	31.7	85.16	812.2	830.0	793.2	752.2	41.02	19.336	
10,165.0	10,111.9	10,210.1	10,114.2	13.3	32.1	85.16	812.2	830.0	793.2	751.8	41.39	19.164	
10,260.0	10,206.9	10,305.1	10,209.2	13.5	32.4	85.16	812.2	830.0	793.2	751.5	41.76	18.996	
10,355.0	10,301.9	10,400.1	10,304.2	13.6	32.7	85.16	812.2	830.0	793.2	751.1	42.13	18.830	
10,450.0	10,396.9	10,495.1	10,399.2	13.7	33.0	85.16	812.2	830.0	793.2	750.7	42.49	18.666	
10,545.0	10,491.9	10,590.1	10,494.2	13.8	33.3	85.16	812.2	830.0	793.2	750.4	42.86	18.506	
10,640.0	10,586.9	10,685.1	10,589.2	14.0	33.6	85.16	812.2	830.0	793.2	750.0	43.23	18.347	
10,735.0	10,681.9	10,780.1	10,684.2	14.1	34.0	85.16	812.2	830.0	793.2	749.6	43.60	18.191	
10,830.0	10,776.9	10,875.1	10,779.2	14.2	34.3	85.16	812.2	830.0	793.2	749.3	43.98	18.038	
10,925.0	10,871.9	10,970.1	10,874.2	14.3	34.6	85.16	812.2	830.0	793.2	748.9	44.35	17.887	
11,020.0	10,966.9	11,065.1	10,969.2	14.4	34.9	85.16	812.2	830.0	793.2	748.5	44.72	17.738	
11,115.0	11,061.9	11,160.1	11,064.2	14.6	35.3	85.16	812.2	830.0	793.2	748.1	45.09	17.591	
11,210.0	11,156.9	11,255.1	11,159.2	14.7	35.6	85.16	812.2	830.0	793.2	747.8	45.47	17.447	
11,305.0	11,251.9	11,350.1	11,254.2	14.8	35.9	85.16	812.2	830.0	793.2	747.4	45.84	17.304	
11,400.0	11,346.9	11,445.1	11,349.2	14.9	36.2	85.16	812.2	830.0	793.2	747.0	46.21	17.164	
11,495.0	11,441.9	11,540.1	11,444.2	15.0	36.5	85.16	812.2	830.0	793.2	746.6	46.59	17.026	
11,590.0	11,536.9	11,635.1	11,539.2	15.2	36.9	85.16	812.2	830.0	793.2	746.3	46.97	16.890	
11,685.0	11,631.9	11,730.1	11,634.2	15.3	37.1	85.16	812.2	830.0	793.2	745.9	47.29	16.773	
11,685.2	11,632.1	11,730.3	11,634.4	15.3	37.1	85.16	812.2	830.0	793.2	745.9	47.29	16.773	
11,780.0	11,726.7	11,810.1	11,714.1	15.4	37.2	-94.47	810.9	830.5	794.0	746.5	47.45	16.733	
11,875.0	11,819.3	11,875.0	11,778.3	15.5	37.2	-94.21	802.0	833.5	799.0	751.4	47.63	16.775	
11,970.0	11,906.0	11,945.3	11,845.7	15.6	37.2	-93.71	783.2	840.0	808.7	760.9	47.84	16.906	
12,065.0	11,983.4	12,013.2	11,907.3	15.7	37.2	-92.94	756.4	849.3	822.8	774.7	48.09	17.110	
12,160.0	12,048.4	12,081.5	11,964.6	15.9	37.2	-91.93	721.4	861.4	840.9	792.6	48.35	17.392	
12,255.0	12,098.5	12,150.0	12,016.2	16.0	37.2	-90.70	678.8	876.1	862.7	814.1	48.60	17.750	
12,350.0	12,131.7	12,220.8	12,062.2	16.0	37.2	-89.33	628.0	893.6	887.5	838.6	48.81	18.181	
12,445.0	12,146.7	12,293.2	12,100.4	16.1	37.3	-87.86	570.0	913.6	914.6	865.7	48.99	18.671	
12,540.0	12,147.5	12,370.4	12,130.5	16.1	37.3	-88.77	502.9	936.8	943.7	894.5	49.16	19.196	
12,635.0	12,147.5	12,456.3	12,150.1	16.1	37.3	-90.02	423.9	964.1	973.9	924.5	49.39	19.718	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.3	0.3	3.0	3.0	-90.57	-0.3	-30.0	30.0				
95.0	95.0	95.3	95.3	3.0	3.0	-90.57	-0.3	-30.0	30.0	24.0	6.00	5.000	
190.0	190.0	190.3	190.3	3.0	3.0	-90.57	-0.3	-30.0	30.0	24.0	6.00	4.998	
285.0	285.0	285.3	285.3	3.0	3.0	-90.57	-0.3	-30.0	30.0	24.0	6.01	4.994	
380.0	380.0	380.3	380.3	3.0	3.0	-90.57	-0.3	-30.0	30.0	24.0	6.02	4.987	
475.0	475.0	475.3	475.3	3.0	3.0	-90.57	-0.3	-30.0	30.0	24.0	6.03	4.978	
570.0	570.0	570.3	570.3	3.1	3.1	-90.57	-0.3	-30.0	30.0	24.0	6.04	4.966	
665.0	665.0	665.3	665.3	3.1	3.1	-90.57	-0.3	-30.0	30.0	23.9	6.06	4.952	
760.0	760.0	760.3	760.3	3.1	3.1	-90.57	-0.3	-30.0	30.0	23.9	6.08	4.936	
855.0	855.0	855.3	855.3	3.2	3.2	-90.57	-0.3	-30.0	30.0	23.9	6.10	4.918	
950.0	950.0	950.3	950.3	3.2	3.2	-90.57	-0.3	-30.0	30.0	23.9	6.13	4.897	
1,045.0	1,045.0	1,045.3	1,045.3	3.3	3.3	-90.57	-0.3	-30.0	30.0	23.8	6.15	4.875	
1,140.0	1,140.0	1,140.3	1,140.3	3.3	3.3	-90.57	-0.3	-30.0	30.0	23.8	6.18	4.851	
1,235.0	1,235.0	1,235.3	1,235.3	3.4	3.4	-90.57	-0.3	-30.0	30.0	23.8	6.22	4.825	
1,330.0	1,330.0	1,330.3	1,330.3	3.4	3.4	-90.57	-0.3	-30.0	30.0	23.7	6.25	4.797	
1,425.0	1,425.0	1,425.3	1,425.3	3.5	3.5	-90.57	-0.3	-30.0	30.0	23.7	6.29	4.767 CC	
1,427.4	1,427.4	1,427.7	1,427.7	3.5	3.5	-93.61	-0.3	-30.0	30.0	23.7	6.29	4.766	
1,520.0	1,520.0	1,520.3	1,520.3	3.6	3.6	-93.75	-0.3	-30.0	30.0	23.7	6.33	4.737 ES	
1,615.0	1,615.0	1,615.3	1,615.3	3.6	3.6	-97.98	-0.3	-30.0	30.2	23.8	6.39	4.735	
1,710.0	1,709.8	1,710.1	1,710.1	3.7	3.7	-107.71	-0.3	-30.0	31.4	24.9	6.49	4.842	
1,805.0	1,804.4	1,805.0	1,805.0	3.8	3.8	-120.28	0.2	-30.0	34.8	28.1	6.72	5.178	
1,900.0	1,898.7	1,900.2	1,900.2	3.8	3.9	-130.28	3.6	-30.3	39.9	33.0	6.98	5.721	
1,995.0	1,992.7	1,995.8	1,995.5	3.9	3.9	-136.83	10.2	-30.7	45.7	38.4	7.21	6.330	
2,090.0	2,086.6	2,091.7	2,090.9	4.0	4.0	-139.38	20.0	-31.3	49.7	42.3	7.37	6.744	
2,185.0	2,180.6	2,187.9	2,186.2	4.1	4.1	-139.00	33.0	-32.2	51.7	44.2	7.47	6.917	
2,280.0	2,274.5	2,283.0	2,280.1	4.2	4.2	-137.05	47.8	-33.2	52.3	44.8	7.54	6.941	
2,375.0	2,368.5	2,378.0	2,373.9	4.2	4.3	-135.13	62.7	-34.1	53.0	45.4	7.61	6.970	
2,470.0	2,462.5	2,473.0	2,467.8	4.3	4.3	-133.27	77.5	-35.1	53.8	46.1	7.68	7.006	
2,565.0	2,556.4	2,567.9	2,561.6	4.4	4.4	-131.45	92.3	-36.1	54.6	46.9	7.75	7.048	
2,660.0	2,650.4	2,662.9	2,655.4	4.5	4.5	-129.70	107.1	-37.0	55.5	47.7	7.82	7.094	
2,755.0	2,744.3	2,757.9	2,749.2	4.6	4.6	-128.00	121.9	-38.0	56.4	48.5	7.89	7.145	
2,850.0	2,838.3	2,852.9	2,843.0	4.7	4.7	-126.35	136.8	-39.0	57.4	49.4	7.97	7.198	
2,945.0	2,932.2	2,947.9	2,936.8	4.8	4.8	-124.76	151.6	-40.0	58.4	50.3	8.05	7.254	
3,040.0	3,026.2	3,042.9	3,030.6	4.9	4.9	-123.23	166.4	-40.9	59.4	51.3	8.13	7.311	
3,135.0	3,120.1	3,137.8	3,124.5	5.0	5.0	-121.75	181.2	-41.9	60.5	52.3	8.22	7.367	
3,230.0	3,214.1	3,232.8	3,218.3	5.1	5.1	-120.33	196.0	-42.9	61.7	53.4	8.31	7.424	
3,325.0	3,308.1	3,327.8	3,312.1	5.2	5.2	-118.95	210.9	-43.9	62.8	54.4	8.40	7.479	
3,420.0	3,402.0	3,422.8	3,405.9	5.3	5.3	-117.63	225.7	-44.8	64.0	55.5	8.50	7.533	
3,515.0	3,496.0	3,517.8	3,499.7	5.4	5.4	-116.36	240.5	-45.8	65.3	56.7	8.61	7.584	
3,610.0	3,589.9	3,612.7	3,593.5	5.5	5.5	-115.14	255.3	-46.8	66.6	57.8	8.72	7.632	
3,705.0	3,683.9	3,707.7	3,687.3	5.6	5.6	-113.96	270.1	-47.7	67.9	59.0	8.84	7.678	
3,800.0	3,777.8	3,802.7	3,781.1	5.7	5.7	-112.83	284.9	-48.7	69.2	60.2	8.96	7.720	
3,895.0	3,871.8	3,897.7	3,875.0	5.8	5.8	-111.74	299.8	-49.7	70.5	61.5	9.09	7.758	
3,990.0	3,965.8	3,992.7	3,968.8	5.9	5.9	-110.69	314.6	-50.7	71.9	62.7	9.23	7.792	
4,085.0	4,059.7	4,087.6	4,062.6	6.0	6.0	-109.68	329.4	-51.6	73.3	64.0	9.37	7.823	
4,180.0	4,153.7	4,182.6	4,156.4	6.1	6.1	-108.71	344.2	-52.6	74.8	65.2	9.52	7.850	
4,275.0	4,247.6	4,277.6	4,250.2	6.2	6.2	-107.77	359.0	-53.6	76.2	66.5	9.68	7.873	
4,370.0	4,341.6	4,372.6	4,344.0	6.3	6.3	-106.88	373.9	-54.6	77.7	67.8	9.84	7.892	
4,465.0	4,435.5	4,467.6	4,437.8	6.4	6.4	-106.01	388.7	-55.5	79.1	69.1	10.01	7.908	
4,560.0	4,529.5	4,562.6	4,531.6	6.5	6.5	-105.18	403.5	-56.5	80.6	70.5	10.18	7.920	
4,655.0	4,623.4	4,657.5	4,625.5	6.6	6.6	-104.37	418.3	-57.5	82.2	71.8	10.36	7.929	
4,750.0	4,717.4	4,752.5	4,719.3	6.7	6.7	-103.60	433.1	-58.4	83.7	73.1	10.55	7.934	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,811.4	4,847.5	4,813.1	6.8	6.8	-102.86	448.0	-59.4	85.2	74.5	10.74	7.937	
4,940.0	4,905.3	4,942.5	4,906.9	6.9	6.9	-102.14	462.8	-60.4	86.8	75.9	10.94	7.936	
5,035.0	4,999.3	5,037.5	5,000.7	7.0	7.1	-101.44	477.6	-61.4	88.4	77.2	11.14	7.933	
5,130.0	5,093.2	5,132.4	5,094.5	7.2	7.2	-100.77	492.4	-62.3	90.0	78.6	11.35	7.927	
5,225.0	5,187.2	5,227.4	5,188.3	7.3	7.3	-100.13	507.2	-63.3	91.6	80.0	11.56	7.919	
5,320.0	5,281.1	5,322.4	5,282.1	7.4	7.4	-99.50	522.0	-64.3	93.2	81.4	11.78	7.909	
5,415.0	5,375.1	5,417.4	5,376.0	7.5	7.5	-98.90	536.9	-65.2	94.8	82.8	12.00	7.897	
5,510.0	5,469.1	5,512.4	5,469.8	7.6	7.6	-98.32	551.7	-66.2	96.4	84.2	12.23	7.883	
5,605.0	5,563.0	5,607.3	5,563.6	7.7	7.7	-97.76	566.5	-67.2	98.1	85.6	12.46	7.868	
5,700.0	5,657.0	5,702.3	5,657.4	7.8	7.8	-97.21	581.3	-68.2	99.7	87.0	12.70	7.851	
5,795.0	5,750.9	5,797.3	5,751.2	7.9	8.0	-96.69	596.1	-69.1	101.4	88.4	12.94	7.832	
5,890.0	5,844.9	5,892.3	5,845.0	8.1	8.1	-96.18	611.0	-70.1	103.0	89.9	13.19	7.812	
5,985.0	5,938.8	5,987.3	5,938.8	8.2	8.2	-95.69	625.8	-71.1	104.7	91.3	13.44	7.792	
6,080.0	6,032.8	6,082.2	6,032.7	8.3	8.3	-95.21	640.6	-72.1	106.4	92.7	13.69	7.770	
6,175.0	6,126.7	6,177.2	6,126.5	8.4	8.4	-94.75	655.4	-73.0	108.1	94.1	13.95	7.747	
6,270.0	6,220.7	6,272.2	6,220.3	8.5	8.5	-94.30	670.2	-74.0	109.8	95.6	14.21	7.724	
6,365.0	6,314.7	6,367.2	6,314.1	8.6	8.6	-93.83	685.1	-75.0	111.5	97.0	14.48	7.700	
6,460.0	6,408.8	6,462.2	6,408.0	8.8	8.8	-92.90	699.6	-75.9	113.1	98.4	14.73	7.676	
6,555.0	6,503.1	6,557.3	6,502.2	8.9	8.9	-91.93	712.8	-76.8	114.6	99.6	14.98	7.650	
6,650.0	6,597.7	6,652.5	6,596.6	9.0	9.0	-90.98	724.4	-77.6	115.9	100.7	15.20	7.623	
6,745.0	6,692.3	6,747.7	6,691.3	9.1	9.1	-90.04	734.5	-78.2	117.1	101.7	15.41	7.596	
6,840.0	6,787.1	6,842.9	6,786.1	9.2	9.2	-89.12	742.9	-78.8	118.1	102.5	15.60	7.572	
6,935.0	6,882.0	6,938.1	6,881.1	9.3	9.3	-88.20	749.8	-79.2	119.0	103.2	15.75	7.553	
7,030.0	6,976.9	7,033.4	6,976.2	9.4	9.5	-87.29	755.2	-79.6	119.7	103.8	15.88	7.537	
7,125.0	7,071.9	7,128.8	7,071.5	9.6	9.6	-86.38	758.9	-79.8	120.2	104.2	15.99	7.519	
7,220.0	7,166.9	7,224.1	7,166.8	9.7	9.7	-82.47	761.1	-80.0	120.6	104.5	16.09	7.496	
7,315.0	7,261.9	7,319.5	7,262.2	9.8	9.8	-82.19	761.7	-80.0	120.7	104.5	16.18	7.461	
7,410.0	7,356.9	7,414.5	7,357.2	9.9	9.9	-82.19	761.7	-80.0	120.7	104.5	16.27	7.421	
7,505.0	7,451.9	7,509.5	7,452.2	10.0	10.0	-82.19	761.7	-80.0	120.7	104.4	16.35	7.381	
7,600.0	7,546.9	7,604.5	7,547.2	10.1	10.2	-82.19	761.7	-80.0	120.7	104.3	16.44	7.342	
7,695.0	7,641.9	7,699.5	7,642.2	10.3	10.3	-82.19	761.7	-80.0	120.7	104.2	16.53	7.303	
7,790.0	7,736.9	7,794.5	7,737.2	10.4	10.4	-82.19	761.7	-80.0	120.7	104.1	16.62	7.264	
7,885.0	7,831.9	7,889.5	7,832.2	10.5	10.5	-82.19	761.7	-80.0	120.7	104.0	16.71	7.225	
7,980.0	7,926.9	7,984.5	7,927.2	10.6	10.6	-82.19	761.7	-80.0	120.7	103.9	16.80	7.186	
8,075.0	8,021.9	8,079.5	8,022.2	10.7	10.7	-82.19	761.7	-80.0	120.7	103.8	16.89	7.147	
8,170.0	8,116.9	8,174.5	8,117.2	10.8	10.9	-82.19	761.7	-80.0	120.7	103.7	16.98	7.108	
8,265.0	8,211.9	8,269.5	8,212.2	11.0	11.0	-82.19	761.7	-80.0	120.7	103.6	17.07	7.070	
8,360.0	8,306.9	8,364.5	8,307.2	11.1	11.1	-82.19	761.7	-80.0	120.7	103.6	17.17	7.032	
8,455.0	8,401.9	8,459.5	8,402.2	11.2	11.2	-82.19	761.7	-80.0	120.7	103.5	17.26	6.994	
8,550.0	8,496.9	8,554.5	8,497.2	11.3	11.3	-82.19	761.7	-80.0	120.7	103.4	17.35	6.956	
8,645.0	8,591.9	8,649.5	8,592.2	11.4	11.4	-82.19	761.7	-80.0	120.7	103.3	17.45	6.918	
8,740.0	8,686.9	8,744.5	8,687.2	11.6	11.6	-82.19	761.7	-80.0	120.7	103.2	17.54	6.881	
8,835.0	8,781.9	8,839.5	8,782.2	11.7	11.7	-82.19	761.7	-80.0	120.7	103.1	17.64	6.844	
8,930.0	8,876.9	8,934.5	8,877.2	11.8	11.8	-82.19	761.7	-80.0	120.7	103.0	17.74	6.807	
9,025.0	8,971.9	9,029.5	8,972.2	11.9	11.9	-82.19	761.7	-80.0	120.7	102.9	17.83	6.770	
9,120.0	9,066.9	9,124.5	9,067.2	12.0	12.0	-82.19	761.7	-80.0	120.7	102.8	17.93	6.733	
9,215.0	9,161.9	9,219.5	9,162.2	12.2	12.2	-82.19	761.7	-80.0	120.7	102.7	18.03	6.697	
9,310.0	9,256.9	9,314.5	9,257.2	12.3	12.3	-82.19	761.7	-80.0	120.7	102.6	18.12	6.661	
9,405.0	9,351.9	9,409.5	9,352.2	12.4	12.4	-82.19	761.7	-80.0	120.7	102.5	18.22	6.625	
9,500.0	9,446.9	9,504.5	9,447.2	12.5	12.5	-82.19	761.7	-80.0	120.7	102.4	18.32	6.589	
9,595.0	9,541.9	9,599.5	9,542.2	12.6	12.6	-82.19	761.7	-80.0	120.7	102.3	18.42	6.553	
9,690.0	9,636.9	9,694.5	9,637.2	12.7	12.8	-82.19	761.7	-80.0	120.7	102.2	18.52	6.518	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,785.0	9,731.9	9,789.5	9,732.2	12.9	12.9	-82.19	761.7	-80.0	120.7	102.1	18.62	6.483	
9,880.0	9,826.9	9,884.5	9,827.2	13.0	13.0	-82.19	761.7	-80.0	120.7	102.0	18.72	6.448	
9,975.0	9,921.9	9,979.5	9,922.2	13.1	13.1	-82.19	761.7	-80.0	120.7	101.9	18.82	6.413	
10,070.0	10,016.9	10,074.5	10,017.2	13.2	13.2	-82.19	761.7	-80.0	120.7	101.8	18.93	6.379	
10,165.0	10,111.9	10,169.5	10,112.2	13.3	13.4	-82.19	761.7	-80.0	120.7	101.7	19.03	6.345	
10,260.0	10,206.9	10,264.5	10,207.2	13.5	13.5	-82.19	761.7	-80.0	120.7	101.6	19.13	6.311	
10,355.0	10,301.9	10,359.5	10,302.2	13.6	13.6	-82.19	761.7	-80.0	120.7	101.5	19.23	6.277	
10,450.0	10,396.9	10,454.5	10,397.2	13.7	13.7	-82.19	761.7	-80.0	120.7	101.4	19.34	6.243	
10,545.0	10,491.9	10,549.5	10,492.2	13.8	13.8	-82.19	761.7	-80.0	120.7	101.3	19.44	6.210	
10,640.0	10,586.9	10,644.5	10,587.2	14.0	14.0	-82.19	761.7	-80.0	120.7	101.2	19.54	6.177	
10,735.0	10,681.9	10,739.5	10,682.2	14.1	14.1	-82.19	761.7	-80.0	120.7	101.1	19.65	6.144	
10,830.0	10,776.9	10,834.5	10,777.2	14.2	14.2	-82.19	761.7	-80.0	120.7	101.0	19.75	6.111	
10,925.0	10,871.9	10,929.5	10,872.2	14.3	14.3	-82.19	761.7	-80.0	120.7	100.9	19.86	6.079	
11,020.0	10,966.9	11,024.5	10,967.2	14.4	14.4	-82.19	761.7	-80.0	120.7	100.8	19.96	6.047	
11,115.0	11,061.9	11,119.5	11,062.2	14.6	14.6	-82.19	761.7	-80.0	120.7	100.6	20.07	6.015	
11,210.0	11,156.9	11,214.5	11,157.2	14.7	14.7	-82.19	761.7	-80.0	120.7	100.5	20.18	5.983	
11,305.0	11,251.9	11,309.5	11,252.2	14.8	14.8	-82.19	761.7	-80.0	120.7	100.4	20.28	5.952	
11,400.0	11,346.9	11,404.5	11,347.2	14.9	14.9	-82.19	761.7	-80.0	120.7	100.3	20.39	5.920	
11,495.0	11,441.9	11,499.5	11,442.2	15.0	15.0	-82.19	761.7	-80.0	120.7	100.2	20.50	5.889	
11,590.0	11,536.9	11,594.5	11,537.2	15.2	15.2	-82.19	761.7	-80.0	120.7	100.1	20.61	5.859	
11,685.0	11,631.9	11,689.5	11,632.2	15.3	15.3	-82.19	761.7	-80.0	120.7	100.0	20.71	5.828	
11,685.3	11,632.1	11,689.7	11,632.4	15.3	15.3	98.16	761.7	-80.0	120.7	100.0	20.71	5.828	
11,780.0	11,726.7	11,784.3	11,727.0	15.4	15.4	99.67	761.7	-80.0	121.2	100.3	20.90	5.802	
11,875.0	11,819.3	11,876.9	11,819.6	15.5	15.5	108.08	761.7	-80.0	126.4	104.4	21.91	5.767	
11,970.0	11,906.0	11,963.6	11,906.3	15.6	15.6	120.05	761.7	-80.0	143.5	119.2	24.34	5.897	
12,065.0	11,983.4	12,047.9	11,980.5	15.7	15.7	131.12	760.3	-80.5	179.2	152.2	27.03	6.629	
12,160.0	12,048.4	12,147.0	12,087.8	15.9	15.8	138.75	743.2	-86.5	227.2	198.1	29.10	7.807	
12,255.0	12,098.5	12,262.7	12,193.8	16.0	15.9	142.33	699.8	-101.6	280.0	248.2	31.82	8.798	
12,350.0	12,131.7	12,403.2	12,302.8	16.0	16.1	142.60	617.0	-130.4	332.5	296.8	35.68	9.317	
12,445.0	12,146.7	12,577.7	12,395.5	16.1	16.3	139.66	478.5	-178.7	379.5	339.8	39.65	9.570	
12,540.0	12,147.5	12,772.5	12,429.8	16.1	16.4	134.83	298.7	-241.4	412.2	371.6	40.60	10.152	
12,635.0	12,147.5	12,873.8	12,429.8	16.1	16.4	131.79	202.3	-272.6	434.4	394.9	39.50	11.000	
12,730.0	12,147.5	12,977.5	12,429.8	16.2	16.5	129.30	102.6	-301.0	455.0	416.2	38.77	11.737	
12,825.0	12,147.5	13,083.2	12,429.8	16.2	16.6	127.28	-0.1	-326.2	473.4	435.1	38.37	12.339	
12,920.0	12,147.5	13,190.8	12,429.8	16.2	16.7	125.68	-105.4	-348.0	489.5	451.2	38.27	12.791	
13,015.0	12,147.5	13,300.0	12,429.8	16.2	16.8	124.42	-213.1	-366.0	502.9	464.4	38.43	13.086	
13,110.0	12,147.5	13,410.4	12,429.8	16.3	16.9	123.49	-322.6	-380.1	513.4	474.6	38.82	13.226	
13,205.0	12,147.5	13,521.8	12,429.8	16.3	17.1	122.85	-433.6	-390.0	520.9	481.5	39.41	13.218	
13,300.0	12,147.5	13,633.9	12,429.8	16.4	17.4	122.48	-545.6	-395.5	525.4	485.2	40.18	13.077	
13,395.0	12,147.5	13,745.1	12,429.8	16.4	17.7	122.37	-656.7	-396.8	526.8	485.7	41.08	12.822	
13,490.0	12,147.5	13,840.1	12,429.8	16.5	18.0	122.37	-751.7	-396.2	526.8	484.9	41.86	12.584	
13,585.0	12,147.5	13,935.1	12,429.8	16.5	18.4	122.37	-846.7	-395.6	526.8	484.1	42.67	12.345	
13,680.0	12,147.5	14,030.1	12,429.8	16.8	18.8	122.37	-941.7	-395.0	526.8	483.3	43.52	12.105	
13,775.0	12,147.5	14,125.1	12,429.8	17.4	19.2	122.37	-1,036.7	-394.4	526.8	482.4	44.39	11.866	
13,870.0	12,147.5	14,220.1	12,429.8	18.0	19.7	122.37	-1,131.7	-393.9	526.8	481.5	45.30	11.628	
13,965.0	12,147.5	14,315.1	12,429.8	18.6	20.2	122.37	-1,226.7	-393.3	526.8	480.5	46.24	11.393	
14,060.0	12,147.5	14,410.1	12,429.8	19.2	20.8	122.37	-1,321.7	-392.7	526.8	479.6	47.20	11.161	
14,155.0	12,147.5	14,505.1	12,429.8	19.8	21.3	122.37	-1,416.7	-392.1	526.8	478.6	48.19	10.932	
14,250.0	12,147.5	14,600.1	12,429.8	20.4	21.9	122.37	-1,511.7	-391.5	526.8	477.6	49.20	10.707	
14,345.0	12,147.5	14,695.1	12,429.8	21.1	22.4	122.37	-1,606.7	-391.0	526.8	476.5	50.23	10.487	
14,440.0	12,147.5	14,790.1	12,429.8	21.7	23.0	122.37	-1,701.7	-390.4	526.8	475.5	51.29	10.271	
14,535.0	12,147.5	14,885.1	12,429.8	22.3	23.6	122.37	-1,796.7	-389.8	526.8	474.4	52.36	10.060	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
14,630.0	12,147.5	14,980.1	12,429.8	23.0	24.2	122.37	-1,891.7	-389.2	526.8	473.3	53.46		
14,725.0	12,147.5	15,075.1	12,429.8	23.6	24.8	122.37	-1,986.7	-388.6	526.8	472.2	54.57		
14,820.0	12,147.5	15,170.1	12,429.8	24.3	25.4	122.37	-2,081.7	-388.1	526.8	471.1	55.69		
14,915.0	12,147.5	15,265.1	12,429.8	25.0	26.1	122.37	-2,176.7	-387.5	526.8	470.0	56.84		
15,010.0	12,147.5	15,360.1	12,429.8	25.6	26.7	122.37	-2,271.7	-386.9	526.8	468.8	57.99		
15,105.0	12,147.5	15,455.1	12,429.8	26.3	27.3	122.37	-2,366.7	-386.3	526.8	467.6	59.16		
15,200.0	12,147.5	15,550.1	12,429.8	27.0	28.0	122.37	-2,461.7	-385.7	526.8	466.4	60.34		
15,295.0	12,147.5	15,645.1	12,429.8	27.6	28.6	122.37	-2,556.7	-385.1	526.8	465.2	61.54		
15,390.0	12,147.5	15,740.1	12,429.8	28.3	29.2	122.37	-2,651.7	-384.6	526.8	464.0	62.75		
15,485.0	12,147.5	15,835.1	12,429.8	29.0	29.9	122.37	-2,746.7	-384.0	526.8	462.8	63.96		
15,580.0	12,147.5	15,930.1	12,429.8	29.7	30.5	122.37	-2,841.7	-383.4	526.8	461.6	65.19		
15,675.0	12,147.5	16,025.1	12,429.8	30.4	31.2	122.37	-2,936.7	-382.8	526.8	460.4	66.43		
15,770.0	12,147.5	16,120.1	12,429.8	31.0	31.9	122.37	-3,031.7	-382.2	526.8	459.1	67.67		
15,865.0	12,147.5	16,215.1	12,429.8	31.7	32.5	122.37	-3,126.7	-381.7	526.8	457.9	68.93		
15,960.0	12,147.5	16,310.1	12,429.8	32.4	33.2	122.37	-3,221.6	-381.1	526.8	456.6	70.19		
16,055.0	12,147.5	16,405.1	12,429.8	33.1	33.9	122.37	-3,316.6	-380.5	526.8	455.3	71.46		
16,150.0	12,147.5	16,500.1	12,429.8	33.8	34.5	122.37	-3,411.6	-379.9	526.8	454.1	72.74		
16,245.0	12,147.5	16,595.1	12,429.8	34.5	35.2	122.37	-3,506.6	-379.3	526.8	452.8	74.02		
16,340.0	12,147.5	16,690.1	12,429.8	35.2	35.9	122.37	-3,601.6	-378.8	526.8	451.5	75.31		
16,435.0	12,147.5	16,785.1	12,429.8	35.9	36.6	122.36	-3,696.6	-378.2	526.8	450.2	76.61		
16,530.0	12,147.5	16,880.1	12,429.8	36.6	37.2	122.36	-3,791.6	-377.6	526.8	448.9	77.91		
16,625.0	12,147.5	16,975.1	12,429.8	37.3	37.9	122.36	-3,886.6	-377.0	526.8	447.6	79.22		
16,720.0	12,147.5	17,070.1	12,429.8	38.0	38.6	122.36	-3,981.6	-376.4	526.8	446.3	80.54		
16,815.0	12,147.5	17,165.1	12,429.8	38.7	39.3	122.36	-4,076.6	-375.9	526.8	444.9	81.86		
16,910.0	12,147.5	17,260.1	12,429.8	39.4	40.0	122.36	-4,171.6	-375.3	526.8	443.6	83.18		
17,005.0	12,147.5	17,355.1	12,429.8	40.1	40.6	122.36	-4,266.6	-374.7	526.8	442.3	84.51		
17,100.0	12,147.5	17,450.1	12,429.8	40.8	41.3	122.36	-4,361.6	-374.1	526.8	441.0	85.84		
17,195.0	12,147.5	17,545.1	12,429.8	41.5	42.0	122.36	-4,456.6	-373.5	526.8	439.6	87.18		
17,290.0	12,147.5	17,640.1	12,429.8	42.2	42.7	122.36	-4,551.6	-373.0	526.8	438.3	88.52		
17,385.0	12,147.5	17,735.1	12,429.8	42.9	43.4	122.36	-4,646.6	-372.4	526.8	436.9	89.87		
17,480.0	12,147.5	17,830.1	12,429.8	43.6	44.1	122.36	-4,741.6	-371.8	526.8	435.6	91.21		
17,575.0	12,147.5	17,925.1	12,429.8	44.3	44.8	122.36	-4,836.6	-371.2	526.8	434.2	92.57		
17,670.0	12,147.5	18,020.1	12,429.8	45.0	45.5	122.36	-4,931.6	-370.6	526.8	432.9	93.92		
17,765.0	12,147.5	18,115.1	12,429.8	45.7	46.2	122.36	-5,026.6	-370.0	526.8	431.5	95.28		
17,860.0	12,147.5	18,210.1	12,429.8	46.4	46.9	122.36	-5,121.6	-369.5	526.8	430.2	96.64		
17,955.0	12,147.5	18,305.1	12,429.8	47.1	47.6	122.36	-5,216.6	-368.9	526.8	428.8	98.01		
18,050.0	12,147.5	18,400.1	12,429.8	47.8	48.3	122.36	-5,311.6	-368.3	526.8	427.4	99.37		
18,145.0	12,147.5	18,495.1	12,429.8	48.5	49.0	122.36	-5,406.6	-367.7	526.8	426.1	100.75		
18,240.0	12,147.5	18,590.1	12,429.8	49.3	49.7	122.36	-5,501.6	-367.1	526.8	424.7	102.12		
18,335.0	12,147.5	18,685.1	12,429.8	50.0	50.4	122.36	-5,596.6	-366.6	526.8	423.3	103.49		
18,430.0	12,147.5	18,780.1	12,429.8	50.7	51.1	122.36	-5,691.6	-366.0	526.8	421.9	104.87		
18,525.0	12,147.5	18,875.1	12,429.8	51.4	51.8	122.36	-5,786.6	-365.4	526.8	420.6	106.25		
18,620.0	12,147.5	18,970.1	12,429.8	52.1	52.5	122.36	-5,881.6	-364.8	526.8	419.2	107.63		
18,715.0	12,147.5	19,065.1	12,429.8	52.8	53.2	122.36	-5,976.6	-364.2	526.8	417.8	109.02		
18,810.0	12,147.5	19,160.1	12,429.8	53.5	53.9	122.36	-6,071.6	-363.7	526.8	416.4	110.41		
18,905.0	12,147.5	19,255.1	12,429.8	54.2	54.6	122.36	-6,166.6	-363.1	526.8	415.0	111.79		
19,000.0	12,147.5	19,350.1	12,429.8	54.9	55.3	122.36	-6,261.6	-362.5	526.8	413.6	113.18		
19,095.0	12,147.5	19,445.1	12,429.8	55.7	56.0	122.36	-6,356.6	-361.9	526.8	412.2	114.58		
19,190.0	12,147.5	19,540.1	12,429.8	56.4	56.7	122.36	-6,451.6	-361.3	526.8	410.8	115.97		
19,285.0	12,147.5	19,635.1	12,429.8	57.1	57.4	122.36	-6,546.6	-360.8	526.8	409.5	117.37		
19,380.0	12,147.5	19,730.1	12,429.8	57.8	58.1	122.36	-6,641.6	-360.2	526.8	408.1	118.76		
19,475.0	12,147.5	19,825.1	12,429.8	58.5	58.8	122.36	-6,736.6	-359.6	526.8	406.7	120.16		

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,570.0	12,147.5	19,920.1	12,429.8	59.2	59.5	122.36	-6,831.6	-359.0	526.8	405.3	121.56	4.334	
19,665.0	12,147.5	20,015.1	12,429.8	59.9	60.2	122.36	-6,926.6	-358.4	526.8	403.9	122.96	4.284	
19,760.0	12,147.5	20,110.1	12,429.8	60.7	61.0	122.36	-7,021.6	-357.8	526.8	402.5	124.37	4.236	
19,855.0	12,147.5	20,205.1	12,429.8	61.4	61.7	122.36	-7,116.6	-357.3	526.8	401.0	125.77	4.189	
19,950.0	12,147.5	20,300.1	12,429.8	62.1	62.4	122.36	-7,211.6	-356.7	526.8	399.6	127.18	4.142	
20,045.0	12,147.5	20,395.1	12,429.8	62.8	63.1	122.36	-7,306.6	-356.1	526.8	398.2	128.59	4.097	
20,140.0	12,147.5	20,490.1	12,429.8	63.5	63.8	122.36	-7,401.6	-355.5	526.8	396.8	130.00	4.053	
20,235.0	12,147.5	20,585.1	12,429.8	64.2	64.5	122.36	-7,496.6	-354.9	526.8	395.4	131.41	4.009	
20,330.0	12,147.5	20,680.1	12,429.8	65.0	65.2	122.36	-7,591.6	-354.4	526.8	394.0	132.82	3.967	
20,425.0	12,147.5	20,775.1	12,429.8	65.7	65.9	122.36	-7,686.6	-353.8	526.8	392.6	134.23	3.925	
20,520.0	12,147.5	20,870.1	12,429.8	66.4	66.6	122.36	-7,781.6	-353.2	526.8	391.2	135.64	3.884	
20,615.0	12,147.5	20,965.1	12,429.8	67.1	67.3	122.36	-7,876.6	-352.6	526.8	389.8	137.06	3.844	
20,710.0	12,147.5	21,060.1	12,429.8	67.8	68.1	122.36	-7,971.6	-352.0	526.8	388.4	138.47	3.805	
20,805.0	12,147.5	21,155.1	12,429.8	68.5	68.8	122.36	-8,066.6	-351.5	526.8	386.9	139.89	3.766	
20,900.0	12,147.5	21,250.1	12,429.8	69.3	69.5	122.36	-8,161.6	-350.9	526.8	385.5	141.30	3.728	
20,995.0	12,147.5	21,345.1	12,429.8	70.0	70.2	122.36	-8,256.6	-350.3	526.8	384.1	142.72	3.691	
21,090.0	12,147.5	21,440.1	12,429.8	70.7	70.9	122.36	-8,351.6	-349.7	526.8	382.7	144.14	3.655	
21,185.0	12,147.5	21,535.1	12,429.8	71.4	71.6	122.36	-8,446.6	-349.1	526.8	381.3	145.56	3.619	
21,280.0	12,147.5	21,630.1	12,429.8	72.1	72.3	122.36	-8,541.5	-348.6	526.8	379.8	146.98	3.584	
21,375.0	12,147.5	21,725.1	12,429.8	72.9	73.0	122.36	-8,636.5	-348.0	526.8	378.4	148.41	3.550	
21,470.0	12,147.5	21,820.1	12,429.8	73.6	73.8	122.36	-8,731.5	-347.4	526.8	377.0	149.83	3.516	
21,565.0	12,147.5	21,915.1	12,429.8	74.3	74.5	122.36	-8,826.5	-346.8	526.8	375.6	151.25	3.483	
21,660.0	12,147.5	22,010.1	12,429.8	75.0	75.2	122.36	-8,921.5	-346.2	526.8	374.2	152.68	3.451	
21,755.0	12,147.5	22,105.1	12,429.8	75.7	75.9	122.36	-9,016.5	-345.7	526.8	372.7	154.10	3.419	
21,850.0	12,147.5	22,200.1	12,429.8	76.4	76.6	122.36	-9,111.5	-345.1	526.8	371.3	155.53	3.387	
21,945.0	12,147.5	22,295.1	12,429.8	77.2	77.3	122.36	-9,206.5	-344.5	526.8	369.9	156.95	3.357	
22,040.0	12,147.5	22,390.1	12,429.8	77.9	78.1	122.36	-9,301.5	-343.9	526.8	368.5	158.38	3.326	
22,135.0	12,147.5	22,485.1	12,429.8	78.6	78.8	122.36	-9,396.5	-343.3	526.8	367.0	159.81	3.297	
22,230.0	12,147.5	22,580.1	12,429.8	79.3	79.5	122.36	-9,491.5	-342.7	526.8	365.6	161.24	3.268	
22,325.0	12,147.5	22,675.1	12,429.8	80.0	80.2	122.36	-9,586.5	-342.2	526.8	364.2	162.66	3.239	
22,420.0	12,147.5	22,770.1	12,429.8	80.8	80.9	122.36	-9,681.5	-341.6	526.8	362.7	164.09	3.211	
22,420.3	12,147.5	22,770.4	12,429.8	80.8	80.9	122.36	-9,681.8	-341.6	526.8	362.7	164.10	3.211	
22,484.4	12,147.5	22,834.5	12,429.8	81.2	81.4	122.36	-9,745.9	-341.2	526.8	361.8	165.06	3.192 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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - HARRIER FEDERAL COM #202H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8598-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		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	1.0	1.0	3.0	4.2	-59.65	405.3	-692.2	802.1				
95.0	95.0	92.5	92.5	3.0	4.2	-59.64	405.6	-692.3	802.4	795.1	7.24	110.778	
190.0	190.0	186.7	186.7	3.0	4.2	-59.59	406.3	-692.3	802.7	795.5	7.25	110.779	
285.0	285.0	280.6	280.6	3.0	4.3	-59.52	407.4	-692.2	803.2	795.9	7.25	110.726	
380.0	380.0	380.1	380.0	3.0	4.3	-59.46	408.2	-692.0	803.4	796.1	7.26	110.593	
475.0	475.0	475.1	475.1	3.0	4.3	-59.41	408.8	-691.6	803.3	796.1	7.28	110.389	
487.7	487.7	487.2	487.2	3.1	4.3	-59.40	408.9	-691.5	803.3	796.1	7.28	110.358	
570.0	570.0	566.4	566.4	3.1	4.3	-59.35	409.7	-691.2	803.5	796.2	7.29	110.152	
665.0	665.0	660.5	660.5	3.1	4.3	-59.30	410.4	-691.3	804.0	796.7	7.32	109.874	
760.0	760.0	754.3	754.3	3.1	4.3	-59.26	411.2	-691.5	804.5	797.2	7.34	109.536	
855.0	855.0	845.1	845.0	3.2	4.4	-59.20	412.4	-691.7	805.4	798.0	7.38	109.185	
950.0	950.0	942.1	942.1	3.2	4.4	-59.16	413.4	-692.4	806.5	799.1	7.42	108.750	
1,045.0	1,045.0	1,035.5	1,035.5	3.3	4.4	-59.14	414.2	-693.1	807.5	800.0	7.46	108.239	
1,140.0	1,140.0	1,131.5	1,131.4	3.3	4.4	-59.11	415.1	-693.9	808.6	801.1	7.51	107.655	
1,235.0	1,235.0	1,223.6	1,223.5	3.4	4.5	-59.07	416.1	-694.5	809.7	802.1	7.56	107.031	
1,330.0	1,330.0	1,320.0	1,319.9	3.4	4.5	-59.05	417.1	-695.5	811.0	803.4	7.63	106.348	
1,425.0	1,425.0	1,414.4	1,414.3	3.5	4.6	-59.00	418.3	-696.2	812.2	804.5	7.69	105.613	
1,520.0	1,520.0	1,506.3	1,506.2	3.6	4.6	-61.99	419.6	-696.9	813.6	805.8	7.76	104.865	
1,615.0	1,615.0	1,596.7	1,596.6	3.6	4.6	-62.07	421.0	-698.1	814.3	806.5	7.83	104.026	
1,710.0	1,709.8	1,693.9	1,693.7	3.7	4.7	-62.38	422.4	-699.4	813.7	805.8	7.90	102.952	
1,805.0	1,804.4	1,811.3	1,811.1	3.8	4.7	-63.03	423.9	-699.9	810.8	802.8	7.97	101.672	
1,900.0	1,898.7	1,906.8	1,906.7	3.8	4.8	-63.81	424.4	-698.5	804.6	796.6	8.00	100.540	
1,995.0	1,992.7	1,997.0	1,996.8	3.9	4.8	-64.62	425.0	-697.4	797.7	789.7	8.03	99.295	
2,090.0	2,086.6	2,088.5	2,088.3	4.0	4.8	-65.43	425.7	-696.6	791.3	783.2	8.07	98.023	
2,185.0	2,180.6	2,181.9	2,181.7	4.1	4.9	-66.28	426.5	-696.0	785.3	777.2	8.12	96.745	
2,280.0	2,274.5	2,274.7	2,274.6	4.2	4.9	-67.14	427.2	-695.4	779.6	771.4	8.17	95.472	
2,375.0	2,368.5	2,370.3	2,370.1	4.2	5.0	-68.04	428.0	-694.9	774.0	765.8	8.22	94.208	
2,470.0	2,462.5	2,463.7	2,463.5	4.3	5.0	-68.93	428.7	-694.4	768.6	760.4	8.27	92.977	
2,565.0	2,556.4	2,556.3	2,556.1	4.4	5.1	-69.84	429.3	-693.9	763.5	755.2	8.32	91.749	
2,660.0	2,650.4	2,650.1	2,649.9	4.5	5.2	-70.78	429.7	-693.7	758.7	750.3	8.38	90.543	
2,755.0	2,744.3	2,744.0	2,743.8	4.6	5.2	-71.77	429.8	-693.7	754.1	745.7	8.44	89.308	
2,850.0	2,838.3	2,836.2	2,836.0	4.7	5.2	-72.77	429.8	-693.8	749.9	741.4	8.52	88.026	
2,945.0	2,932.2	2,930.7	2,930.5	4.8	5.2	-73.79	429.8	-693.9	746.0	737.4	8.59	86.802	
3,040.0	3,026.2	3,027.7	3,027.5	4.9	5.2	-74.87	429.7	-694.0	742.1	733.5	8.66	85.677	
3,135.0	3,120.1	3,125.9	3,125.7	5.0	5.2	-75.97	429.4	-693.6	738.1	729.4	8.72	84.624	
3,230.0	3,214.1	3,225.2	3,225.0	5.1	5.3	-77.07	429.1	-692.3	733.5	724.8	8.79	83.456	
3,325.0	3,308.1	3,324.8	3,324.5	5.2	5.3	-78.20	428.7	-690.4	728.7	719.8	8.86	82.200	
3,420.0	3,402.0	3,419.2	3,419.0	5.3	5.3	-79.26	428.3	-688.3	723.7	714.7	8.95	80.890	
3,515.0	3,496.0	3,517.6	3,517.3	5.4	5.3	-80.37	428.1	-685.6	718.5	709.5	9.04	79.507	
3,610.0	3,589.9	3,604.2	3,603.9	5.5	5.4	-81.34	428.1	-683.0	713.6	704.4	9.13	78.139	
3,705.0	3,683.9	3,684.7	3,684.4	5.6	5.4	-82.29	428.0	-682.4	710.8	701.6	9.23	77.002	
3,800.0	3,777.8	3,777.7	3,777.3	5.7	5.5	-83.38	428.1	-682.3	708.9	699.5	9.34	75.899	
3,895.0	3,871.8	3,873.6	3,873.3	5.8	5.5	-84.54	427.8	-682.3	707.4	697.9	9.45	74.858	
3,990.0	3,965.8	3,972.5	3,972.2	5.9	5.5	-85.74	427.6	-681.9	705.7	696.2	9.57	73.749	
4,085.0	4,059.7	4,075.0	4,074.6	6.0	5.5	-87.02	426.7	-680.1	703.0	693.3	9.70	72.451	
4,180.0	4,153.7	4,172.6	4,172.2	6.1	5.6	-88.26	425.7	-677.7	700.0	690.2	9.84	71.119	
4,275.0	4,247.6	4,280.7	4,280.2	6.2	5.6	-89.68	424.0	-673.6	696.0	686.0	10.00	69.621	
4,370.0	4,341.6	4,375.0	4,374.4	6.3	5.7	-90.99	421.9	-669.0	691.3	681.1	10.15	68.104	
4,465.0	4,435.5	4,454.7	4,453.9	6.4	5.7	-92.12	420.0	-665.7	687.6	677.3	10.30	66.771	
4,510.0	4,480.1	4,484.8	4,484.1	6.4	5.7	-92.54	419.4	-665.2	687.2	676.8	10.36	66.304 CC, ES	
4,560.0	4,529.5	4,526.6	4,525.9	6.5	5.7	-93.11	418.7	-665.2	687.6	677.1	10.44	65.878	
4,655.0	4,623.4	4,619.7	4,618.9	6.6	5.7	-94.36	417.4	-665.7	689.1	678.5	10.58	65.156	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - HARRIER FEDERAL COM #202H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8598-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)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,750.0	4,717.4	4,714.3	4,713.5	6.7	5.7	-95.63	416.0	-666.2	690.8	680.1	10.72	64.456	
4,845.0	4,811.4	4,810.4	4,809.7	6.8	5.7	-96.87	415.1	-666.5	692.7	681.8	10.87	63.749	
4,940.0	4,905.3	4,912.3	4,911.5	6.9	5.8	-97.85	418.3	-665.9	693.7	682.7	11.03	62.912	
5,035.0	4,999.3	4,995.2	4,994.3	7.0	5.8	-98.52	422.3	-665.8	695.3	684.1	11.18	62.175	
5,130.0	5,093.2	5,084.9	5,083.8	7.2	5.9	-99.15	427.7	-667.5	698.6	687.2	11.34	61.627	
5,225.0	5,187.2	5,170.3	5,168.8	7.3	5.9	-99.56	434.9	-670.0	702.8	691.3	11.49	61.178	
5,320.0	5,281.1	5,263.5	5,261.5	7.4	6.0	-99.87	444.3	-673.7	707.8	696.2	11.64	60.799	
5,415.0	5,375.1	5,357.2	5,354.7	7.5	6.1	-100.20	453.5	-677.6	713.0	701.2	11.80	60.438	
5,510.0	5,469.1	5,450.6	5,447.5	7.6	6.1	-100.53	462.5	-681.6	718.4	706.4	11.96	60.084	
5,605.0	5,563.0	5,543.8	5,540.2	7.7	6.2	-100.91	470.9	-685.6	723.9	711.8	12.12	59.738	
5,700.0	5,657.0	5,646.8	5,642.9	7.8	6.3	-101.41	479.1	-689.2	728.9	716.6	12.28	59.333	
5,795.0	5,750.9	5,744.4	5,740.1	7.9	6.3	-101.93	486.3	-692.0	733.4	721.0	12.46	58.884	
5,890.0	5,844.9	5,871.0	5,866.3	8.1	6.5	-102.54	497.0	-691.7	734.6	722.0	12.65	58.072	
5,985.0	5,938.8	5,961.4	5,956.4	8.2	6.5	-102.94	505.3	-690.6	735.1	722.2	12.83	57.281	
6,080.0	6,032.8	6,054.2	6,048.6	8.3	6.6	-103.23	515.1	-690.2	736.1	723.1	13.02	56.555	
6,175.0	6,126.7	6,146.5	6,140.3	8.4	6.7	-103.49	525.2	-690.2	737.5	724.3	13.20	55.868	
6,270.0	6,220.7	6,239.6	6,232.9	8.5	6.8	-103.76	535.4	-690.3	739.1	725.7	13.39	55.202	
6,365.0	6,314.7	6,330.5	6,323.3	8.6	6.9	-104.03	545.0	-690.8	741.0	727.4	13.58	54.580	
6,460.0	6,408.8	6,423.2	6,415.5	8.8	7.0	-104.28	554.2	-691.5	743.0	729.3	13.76	54.006	
6,555.0	6,503.1	6,516.2	6,508.1	8.9	7.0	-104.45	562.9	-692.5	745.1	731.1	13.93	53.484	
6,650.0	6,597.7	6,609.1	6,600.6	9.0	7.1	-104.56	570.8	-693.5	746.9	732.8	14.09	53.001	
6,745.0	6,692.3	6,702.9	6,694.2	9.1	7.2	-104.60	578.1	-694.7	748.6	734.4	14.24	52.557	
6,840.0	6,787.1	6,792.8	6,783.8	9.2	7.3	-104.52	585.2	-696.0	750.2	735.8	14.38	52.181	
6,935.0	6,882.0	6,884.9	6,875.6	9.3	7.4	-104.27	593.1	-698.1	751.9	737.4	14.48	51.911	
7,030.0	6,976.9	6,975.0	6,965.3	9.4	7.5	-103.92	600.5	-700.7	753.9	739.3	14.58	51.723	
7,125.0	7,071.9	7,071.2	7,061.1	9.6	7.6	-103.44	608.5	-703.8	755.9	741.2	14.66	51.556	
7,220.0	7,166.9	7,168.7	7,157.9	9.7	7.7	-99.54	619.9	-706.9	757.0	742.2	14.74	51.339	
7,315.0	7,261.9	7,261.4	7,249.9	9.8	7.7	-98.73	630.2	-709.7	758.2	743.4	14.83	51.130	
7,410.0	7,356.9	7,357.0	7,345.0	9.9	7.8	-97.97	639.9	-712.6	759.7	744.8	14.91	50.935	
7,505.0	7,451.9	7,451.1	7,438.6	10.0	7.9	-97.28	648.9	-715.3	761.1	746.1	15.00	50.735	
7,600.0	7,546.9	7,544.0	7,531.1	10.1	8.0	-96.64	657.1	-717.9	762.8	747.7	15.09	50.545	
7,695.0	7,641.9	7,640.1	7,626.8	10.3	8.1	-96.04	664.9	-720.7	764.6	749.5	15.18	50.368	
7,790.0	7,736.9	7,737.9	7,724.4	10.4	8.2	-95.47	672.3	-723.3	766.5	751.2	15.27	50.188	
7,885.0	7,831.9	7,834.5	7,820.7	10.5	8.3	-94.89	679.9	-725.3	767.7	752.4	15.37	49.961	
7,980.0	7,926.9	7,925.8	7,911.8	10.6	8.4	-94.41	686.2	-727.2	769.2	753.8	15.46	49.752	
8,075.0	8,021.9	8,044.2	8,029.8	10.7	8.5	-93.77	694.6	-729.7	771.0	755.4	15.57	49.526	
8,170.0	8,116.9	8,146.7	8,131.7	10.8	8.6	-92.96	705.6	-728.3	769.0	753.4	15.68	49.042	
8,265.0	8,211.9	8,237.4	8,221.9	11.0	8.7	-92.28	714.8	-727.1	767.4	751.6	15.78	48.629	
8,360.0	8,306.9	8,328.8	8,313.0	11.1	8.8	-91.66	723.1	-726.4	766.4	750.5	15.88	48.251	
8,455.0	8,401.9	8,421.3	8,405.1	11.2	8.9	-91.10	730.6	-725.9	765.7	749.7	15.99	47.895	
8,508.4	8,455.3	8,471.0	8,454.8	11.3	9.0	-90.93	732.9	-725.9	765.6	749.5	16.04	47.730	
8,550.0	8,496.9	8,512.4	8,496.1	11.3	9.0	-90.83	734.2	-725.9	765.6	749.5	16.08	47.609	
8,645.0	8,591.9	8,606.6	8,590.2	11.4	9.1	-90.61	737.1	-726.0	765.7	749.5	16.15	47.407	
8,740.0	8,686.9	8,696.2	8,679.9	11.6	9.1	-90.72	735.6	-726.5	766.2	749.9	16.21	47.254	
8,835.0	8,781.9	8,795.1	8,776.7	11.7	9.1	-92.12	717.0	-726.6	766.7	750.4	16.31	47.004	
8,930.0	8,876.9	8,860.0	8,836.3	11.8	9.2	-94.02	691.4	-726.6	769.1	752.6	16.49	46.633	
9,025.0	8,971.9	8,912.0	8,880.1	11.9	9.3	-96.07	663.6	-728.1	777.4	760.5	16.88	46.043	
9,120.0	9,066.9	8,961.0	8,918.8	12.0	9.3	-98.25	633.6	-730.5	792.0	774.5	17.52	45.211	
9,215.0	9,161.9	9,019.2	8,963.3	12.2	9.3	-100.89	596.4	-734.2	812.5	794.2	18.28	44.441	
9,310.0	9,256.9	9,069.0	9,000.0	12.3	9.4	-103.21	562.9	-737.7	838.6	819.3	19.23	43.597	
9,405.0	9,351.9	9,114.0	9,030.9	12.4	9.5	-105.41	530.3	-740.7	870.5	850.2	20.34	42.807	
9,500.0	9,446.9	9,150.9	9,054.5	12.5	9.5	-107.26	502.1	-743.1	908.5	886.9	21.56	42.138	

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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	PILEDRIIVER & FIGURE FOUR FEDERAL PROJECT - HARRIER FEDERAL COM #202H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program:	100-Standard Keeper 104, 8598-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 (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,595.0	9,541.9	9,176.6	9,069.6	12.6	9.5	-108.60	481.3	-744.6	952.5	929.6	22.88	41.635 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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *KB 30ft + GL 3366.5ft @ 3396.5usft

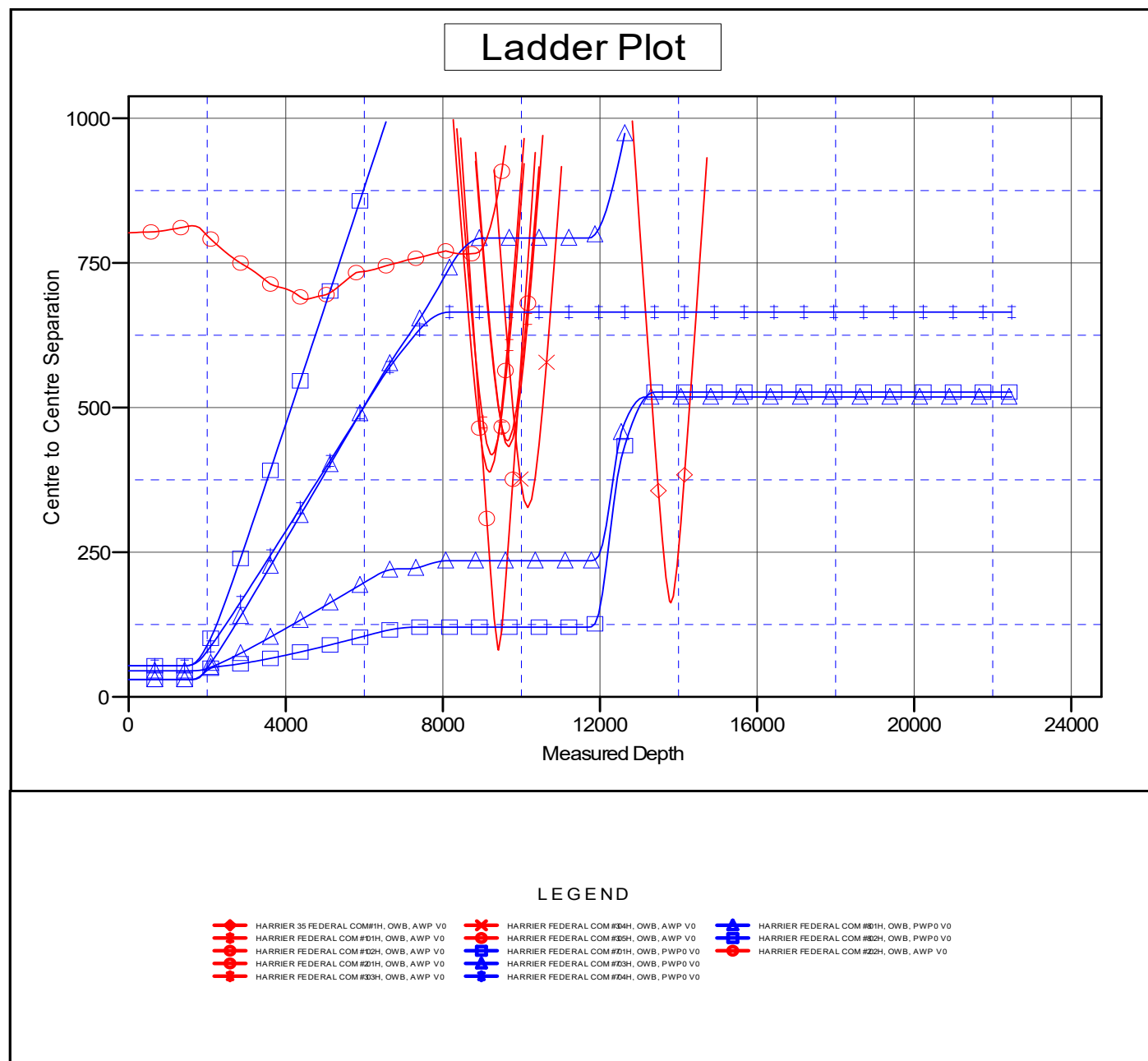
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: HARRIER FEDERAL COM #702H

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

Grid Convergence at Surface is: 0.36°



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 HARRIER FEDERAL COM #702H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *KB 30ft + GL 3366.5ft @ 3396.5usft

Offset Depths are relative to Offset Datum

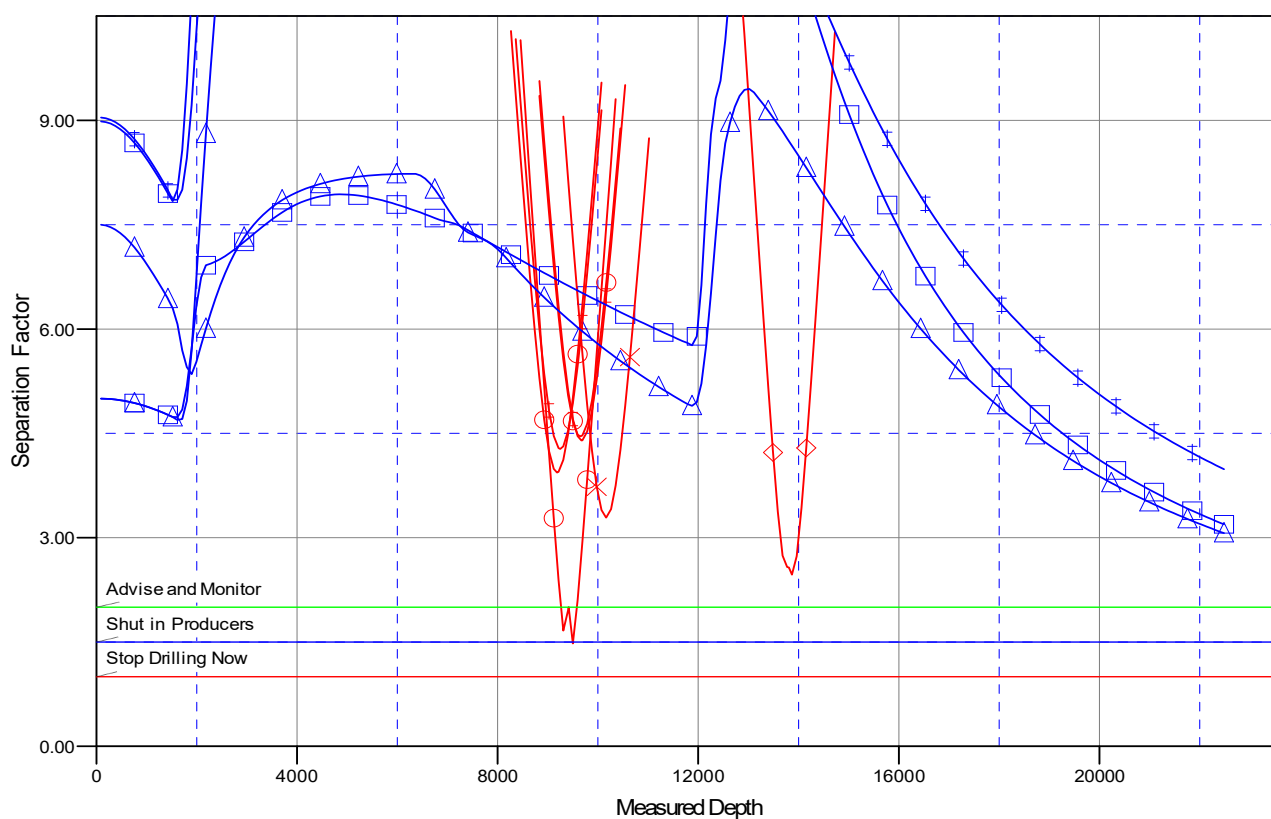
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: HARRIER FEDERAL COM #702H

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

Grid Convergence at Surface is: 0.36°

Separation Factor Plot



LEGEND

● HARRIER FEDERAL COM #11H, OWB, AWP V0	✕ HARRIER FEDERAL COM #14H, OWB, AWP V0	▲ HARRIER FEDERAL COM #11H, OWB, PWP0 V0
● HARRIER FEDERAL COM #11H, OWB, AWP V0	● HARRIER FEDERAL COM #15H, OWB, AWP V0	● HARRIER FEDERAL COM #12H, OWB, PWP0 V0
● HARRIER FEDERAL COM #12H, OWB, AWP V0	● HARRIER FEDERAL COM #16H, OWB, AWP V0	● HARRIER FEDERAL COM #13H, OWB, PWP0 V0
● HARRIER FEDERAL COM #13H, OWB, AWP V0	● HARRIER FEDERAL COM #17H, OWB, AWP V0	● HARRIER FEDERAL COM #14H, OWB, PWP0 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)

HARRIER FEDERAL PROJECT (LEA 2632)

HARRIER FEDERAL COM #702H

300254988800

OWB

Plan: PWP0

Standard Planning Report

17 July, 2022

ConocoPhillips
Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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		

Well	HARRIER FEDERAL COM #702H			
Well Position	+N/-S	-846.5 usft	Northing:	397,790.60 usft
	+E/-W	-30,481.7 usft	Easting:	711,405.70 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	
			Ground Level:	3,366.5 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	3/1/2023	6.39	59.65	47,397.22179429

Design	PWP0			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.39

Plan Survey Tool Program	Date	7/16/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 0.0	1,500.0	PWP0 (OWB)	Standard Keeper 104	
			Standard Wireline Keeper ver 1	
2 1,500.0	11,723.2	PWP0 (OWB)	Standard Keeper 104	
			Standard Wireline Keeper ver 1	
3 11,723.2	22,483.9	PWP0 (OWB)	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Multi-St	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,925.1	8.50	3.04	1,923.5	31.4	1.7	2.00	2.00	0.00	3.04	
6,335.0	8.50	3.04	6,285.0	682.4	36.3	0.00	0.00	0.00	0.00	
7,185.1	0.00	0.00	7,132.0	745.3	39.6	1.00	-1.00	0.00	180.00	
11,723.2	0.00	0.00	11,670.0	745.3	39.6	0.00	0.00	0.00	0.00	
12,473.2	90.00	179.65	12,147.5	267.8	42.5	12.00	12.00	23.95	179.65	
22,433.9	90.00	179.65	12,147.5	-9,692.7	103.5	0.00	0.00	0.00	0.00	LTP (HARRIER FED)
22,483.9	90.00	179.65	12,147.5	-9,742.7	103.8	0.00	0.00	0.00	0.00	PBHL (HARRIER FEI

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	3.04	1,600.0	1.7	0.1	-1.7	2.00	2.00	0.00
1,700.0	4.00	3.04	1,699.8	7.0	0.4	-7.0	2.00	2.00	0.00
1,800.0	6.00	3.04	1,799.5	15.7	0.8	-15.7	2.00	2.00	0.00
1,900.0	8.00	3.04	1,898.7	27.8	1.5	-27.8	2.00	2.00	0.00
1,925.1	8.50	3.04	1,923.5	31.4	1.7	-31.4	2.00	2.00	0.00
Start 4409.9 hold at 1925.1 MD									
2,000.0	8.50	3.04	1,997.6	42.5	2.3	-42.5	0.00	0.00	0.00
2,100.0	8.50	3.04	2,096.5	57.3	3.0	-57.2	0.00	0.00	0.00
2,200.0	8.50	3.04	2,195.4	72.0	3.8	-72.0	0.00	0.00	0.00
2,300.0	8.50	3.04	2,294.3	86.8	4.6	-86.7	0.00	0.00	0.00
2,400.0	8.50	3.04	2,393.2	101.5	5.4	-101.5	0.00	0.00	0.00
2,500.0	8.50	3.04	2,492.1	116.3	6.2	-116.2	0.00	0.00	0.00
2,600.0	8.50	3.04	2,591.0	131.1	7.0	-131.0	0.00	0.00	0.00
2,700.0	8.50	3.04	2,689.9	145.8	7.7	-145.7	0.00	0.00	0.00
2,800.0	8.50	3.04	2,788.8	160.6	8.5	-160.5	0.00	0.00	0.00
2,900.0	8.50	3.04	2,887.7	175.4	9.3	-175.2	0.00	0.00	0.00
3,000.0	8.50	3.04	2,986.6	190.1	10.1	-190.0	0.00	0.00	0.00
3,100.0	8.50	3.04	3,085.5	204.9	10.9	-204.8	0.00	0.00	0.00
3,200.0	8.50	3.04	3,184.4	219.6	11.7	-219.5	0.00	0.00	0.00
3,300.0	8.50	3.04	3,283.3	234.4	12.5	-234.3	0.00	0.00	0.00
3,400.0	8.50	3.04	3,382.2	249.2	13.2	-249.0	0.00	0.00	0.00
3,500.0	8.50	3.04	3,481.1	263.9	14.0	-263.8	0.00	0.00	0.00
3,600.0	8.50	3.04	3,580.0	278.7	14.8	-278.5	0.00	0.00	0.00
3,700.0	8.50	3.04	3,678.9	293.5	15.6	-293.3	0.00	0.00	0.00
3,800.0	8.50	3.04	3,777.8	308.2	16.4	-308.0	0.00	0.00	0.00
3,900.0	8.50	3.04	3,876.7	323.0	17.2	-322.8	0.00	0.00	0.00
4,000.0	8.50	3.04	3,975.6	337.7	17.9	-337.5	0.00	0.00	0.00
4,100.0	8.50	3.04	4,074.5	352.5	18.7	-352.3	0.00	0.00	0.00
4,200.0	8.50	3.04	4,173.4	367.3	19.5	-367.0	0.00	0.00	0.00
4,300.0	8.50	3.04	4,272.3	382.0	20.3	-381.8	0.00	0.00	0.00
4,400.0	8.50	3.04	4,371.2	396.8	21.1	-396.5	0.00	0.00	0.00
4,500.0	8.50	3.04	4,470.2	411.5	21.9	-411.3	0.00	0.00	0.00
4,600.0	8.50	3.04	4,569.1	426.3	22.7	-426.0	0.00	0.00	0.00
4,700.0	8.50	3.04	4,668.0	441.1	23.4	-440.8	0.00	0.00	0.00
4,800.0	8.50	3.04	4,766.9	455.8	24.2	-455.6	0.00	0.00	0.00
4,900.0	8.50	3.04	4,865.8	470.6	25.0	-470.3	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.0	8.50	3.04	4,964.7	485.4	25.8	-485.1	0.00	0.00	0.00
5,100.0	8.50	3.04	5,063.6	500.1	26.6	-499.8	0.00	0.00	0.00
5,200.0	8.50	3.04	5,162.5	514.9	27.4	-514.6	0.00	0.00	0.00
5,300.0	8.50	3.04	5,261.4	529.6	28.1	-529.3	0.00	0.00	0.00
5,400.0	8.50	3.04	5,360.3	544.4	28.9	-544.1	0.00	0.00	0.00
5,500.0	8.50	3.04	5,459.2	559.2	29.7	-558.8	0.00	0.00	0.00
5,600.0	8.50	3.04	5,558.1	573.9	30.5	-573.6	0.00	0.00	0.00
5,700.0	8.50	3.04	5,657.0	588.7	31.3	-588.3	0.00	0.00	0.00
5,800.0	8.50	3.04	5,755.9	603.5	32.1	-603.1	0.00	0.00	0.00
5,900.0	8.50	3.04	5,854.8	618.2	32.8	-617.8	0.00	0.00	0.00
6,000.0	8.50	3.04	5,953.7	633.0	33.6	-632.6	0.00	0.00	0.00
6,100.0	8.50	3.04	6,052.6	647.7	34.4	-647.3	0.00	0.00	0.00
6,200.0	8.50	3.04	6,151.5	662.5	35.2	-662.1	0.00	0.00	0.00
6,300.0	8.50	3.04	6,250.4	677.3	36.0	-676.8	0.00	0.00	0.00
6,335.0	8.50	3.04	6,285.0	682.4	36.3	-682.0	0.00	0.00	0.00
Start Drop -1.00									
6,400.0	7.85	3.04	6,349.3	691.7	36.8	-691.2	1.00	-1.00	0.00
6,500.0	6.85	3.04	6,448.5	704.4	37.4	-704.0	1.00	-1.00	0.00
6,600.0	5.85	3.04	6,547.9	715.5	38.0	-715.0	1.00	-1.00	0.00
6,700.0	4.85	3.04	6,647.5	724.8	38.5	-724.4	1.00	-1.00	0.00
6,800.0	3.85	3.04	6,747.2	732.4	38.9	-731.9	1.00	-1.00	0.00
6,900.0	2.85	3.04	6,847.0	738.2	39.2	-737.8	1.00	-1.00	0.00
7,000.0	1.85	3.04	6,946.9	742.3	39.4	-741.9	1.00	-1.00	0.00
7,100.0	0.85	3.04	7,046.9	744.7	39.6	-744.2	1.00	-1.00	0.00
7,185.1	0.00	0.00	7,132.0	745.3	39.6	-744.8	1.00	-1.00	-3.57
Start 4538.0 hold at 7185.1 MD									
7,200.0	0.00	0.00	7,146.9	745.3	39.6	-744.8	0.00	0.00	0.00
7,300.0	0.00	0.00	7,246.9	745.3	39.6	-744.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,346.9	745.3	39.6	-744.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,446.9	745.3	39.6	-744.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,546.9	745.3	39.6	-744.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,646.9	745.3	39.6	-744.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,746.9	745.3	39.6	-744.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,846.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,000.0	0.00	0.00	7,946.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,100.0	0.00	0.00	8,046.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,200.0	0.00	0.00	8,146.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,246.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,346.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,446.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,546.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,700.0	0.00	0.00	8,646.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,800.0	0.00	0.00	8,746.9	745.3	39.6	-744.8	0.00	0.00	0.00
8,900.0	0.00	0.00	8,846.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,000.0	0.00	0.00	8,946.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,100.0	0.00	0.00	9,046.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,200.0	0.00	0.00	9,146.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,300.0	0.00	0.00	9,246.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,400.0	0.00	0.00	9,346.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,500.0	0.00	0.00	9,446.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,600.0	0.00	0.00	9,546.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,700.0	0.00	0.00	9,646.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,800.0	0.00	0.00	9,746.9	745.3	39.6	-744.8	0.00	0.00	0.00
9,900.0	0.00	0.00	9,846.9	745.3	39.6	-744.8	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,000.0	0.00	0.00	9,946.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,100.0	0.00	0.00	10,046.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,200.0	0.00	0.00	10,146.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,300.0	0.00	0.00	10,246.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,400.0	0.00	0.00	10,346.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,500.0	0.00	0.00	10,446.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,600.0	0.00	0.00	10,546.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,700.0	0.00	0.00	10,646.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,800.0	0.00	0.00	10,746.9	745.3	39.6	-744.8	0.00	0.00	0.00
10,900.0	0.00	0.00	10,846.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,000.0	0.00	0.00	10,946.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,100.0	0.00	0.00	11,046.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,200.0	0.00	0.00	11,146.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,300.0	0.00	0.00	11,246.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,400.0	0.00	0.00	11,346.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,500.0	0.00	0.00	11,446.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,600.0	0.00	0.00	11,546.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,700.0	0.00	0.00	11,646.9	745.3	39.6	-744.8	0.00	0.00	0.00
11,723.2	0.00	0.00	11,670.0	745.3	39.6	-744.8	0.00	0.00	0.00
Start DLS 12.00 TFO 179.65									
11,725.0	0.22	179.65	11,671.9	745.3	39.6	-744.8	12.00	12.00	0.00
11,750.0	3.22	179.65	11,696.9	744.5	39.6	-744.1	12.00	12.00	0.00
11,775.0	6.22	179.65	11,721.8	742.5	39.6	-742.0	12.00	12.00	0.00
11,800.0	9.22	179.65	11,746.5	739.1	39.6	-738.7	12.00	12.00	0.00
11,825.0	12.22	179.65	11,771.1	734.5	39.7	-734.0	12.00	12.00	0.00
11,850.0	15.22	179.65	11,795.4	728.6	39.7	-728.1	12.00	12.00	0.00
11,875.0	18.22	179.65	11,819.3	721.4	39.7	-720.9	12.00	12.00	0.00
11,900.0	21.22	179.65	11,842.9	712.9	39.8	-712.5	12.00	12.00	0.00
11,925.0	24.22	179.65	11,865.9	703.3	39.9	-702.8	12.00	12.00	0.00
11,950.0	27.22	179.65	11,888.4	692.4	39.9	-692.0	12.00	12.00	0.00
11,975.0	30.22	179.65	11,910.4	680.4	40.0	-679.9	12.00	12.00	0.00
12,000.0	33.22	179.65	11,931.6	667.3	40.1	-666.8	12.00	12.00	0.00
12,025.0	36.22	179.65	11,952.2	653.0	40.2	-652.6	12.00	12.00	0.00
12,050.0	39.22	179.65	11,971.9	637.7	40.3	-637.3	12.00	12.00	0.00
12,075.0	42.22	179.65	11,990.9	621.4	40.4	-621.0	12.00	12.00	0.00
12,100.0	45.22	179.65	12,009.0	604.2	40.5	-603.7	12.00	12.00	0.00
12,125.0	48.22	179.65	12,026.1	586.0	40.6	-585.5	12.00	12.00	0.00
12,150.0	51.22	179.65	12,042.2	566.9	40.7	-566.4	12.00	12.00	0.00
12,175.0	54.22	179.65	12,057.4	547.0	40.8	-546.5	12.00	12.00	0.00
12,200.0	57.22	179.65	12,071.5	526.3	40.9	-525.9	12.00	12.00	0.00
12,225.0	60.22	179.65	12,084.4	505.0	41.1	-504.5	12.00	12.00	0.00
12,250.0	63.22	179.65	12,096.3	483.0	41.2	-482.5	12.00	12.00	0.00
12,275.0	66.22	179.65	12,107.0	460.4	41.3	-459.9	12.00	12.00	0.00
12,300.0	69.22	179.65	12,116.4	437.2	41.5	-436.8	12.00	12.00	0.00
12,325.0	72.22	179.65	12,124.7	413.6	41.6	-413.2	12.00	12.00	0.00
12,350.0	75.22	179.65	12,131.7	389.6	41.8	-389.2	12.00	12.00	0.00
12,375.0	78.22	179.65	12,137.4	365.3	41.9	-364.8	12.00	12.00	0.00
12,400.0	81.22	179.65	12,141.9	340.7	42.1	-340.3	12.00	12.00	0.00
12,425.0	84.22	179.65	12,145.1	315.9	42.2	-315.5	12.00	12.00	0.00
12,450.0	87.22	179.65	12,146.9	291.0	42.4	-290.5	12.00	12.00	0.00
12,473.2	90.00	179.65	12,147.5	267.8	42.5	-267.4	12.00	12.00	0.00
Start 9960.7 hold at 12473.2 MD									
12,500.0	90.00	179.65	12,147.5	241.0	42.7	-240.5	0.00	0.00	0.00
12,600.0	90.00	179.65	12,147.5	141.0	43.3	-140.5	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,700.0	90.00	179.65	12,147.5	41.0	43.9	-40.5	0.00	0.00	0.00
12,800.0	90.00	179.65	12,147.5	-59.0	44.5	59.5	0.00	0.00	0.00
12,900.0	90.00	179.65	12,147.5	-159.0	45.1	159.5	0.00	0.00	0.00
13,000.0	90.00	179.65	12,147.5	-259.0	45.7	259.5	0.00	0.00	0.00
13,100.0	90.00	179.65	12,147.5	-359.0	46.4	359.5	0.00	0.00	0.00
13,200.0	90.00	179.65	12,147.5	-459.0	47.0	459.5	0.00	0.00	0.00
13,300.0	90.00	179.65	12,147.5	-559.0	47.6	559.5	0.00	0.00	0.00
13,400.0	90.00	179.65	12,147.5	-659.0	48.2	659.5	0.00	0.00	0.00
13,500.0	90.00	179.65	12,147.5	-759.0	48.8	759.5	0.00	0.00	0.00
13,600.0	90.00	179.65	12,147.5	-859.0	49.4	859.5	0.00	0.00	0.00
13,700.0	90.00	179.65	12,147.5	-959.0	50.0	959.4	0.00	0.00	0.00
13,800.0	90.00	179.65	12,147.5	-1,059.0	50.6	1,059.4	0.00	0.00	0.00
13,900.0	90.00	179.65	12,147.5	-1,159.0	51.3	1,159.4	0.00	0.00	0.00
14,000.0	90.00	179.65	12,147.5	-1,259.0	51.9	1,259.4	0.00	0.00	0.00
14,100.0	90.00	179.65	12,147.5	-1,359.0	52.5	1,359.4	0.00	0.00	0.00
14,200.0	90.00	179.65	12,147.5	-1,459.0	53.1	1,459.4	0.00	0.00	0.00
14,300.0	90.00	179.65	12,147.5	-1,559.0	53.7	1,559.4	0.00	0.00	0.00
14,400.0	90.00	179.65	12,147.5	-1,659.0	54.3	1,659.4	0.00	0.00	0.00
14,500.0	90.00	179.65	12,147.5	-1,759.0	54.9	1,759.4	0.00	0.00	0.00
14,600.0	90.00	179.65	12,147.5	-1,859.0	55.5	1,859.4	0.00	0.00	0.00
14,700.0	90.00	179.65	12,147.5	-1,959.0	56.2	1,959.4	0.00	0.00	0.00
14,800.0	90.00	179.65	12,147.5	-2,059.0	56.8	2,059.4	0.00	0.00	0.00
14,900.0	90.00	179.65	12,147.5	-2,158.9	57.4	2,159.4	0.00	0.00	0.00
15,000.0	90.00	179.65	12,147.5	-2,258.9	58.0	2,259.4	0.00	0.00	0.00
15,100.0	90.00	179.65	12,147.5	-2,358.9	58.6	2,359.4	0.00	0.00	0.00
15,200.0	90.00	179.65	12,147.5	-2,458.9	59.2	2,459.4	0.00	0.00	0.00
15,300.0	90.00	179.65	12,147.5	-2,558.9	59.8	2,559.4	0.00	0.00	0.00
15,400.0	90.00	179.65	12,147.5	-2,658.9	60.4	2,659.4	0.00	0.00	0.00
15,500.0	90.00	179.65	12,147.5	-2,758.9	61.1	2,759.4	0.00	0.00	0.00
15,600.0	90.00	179.65	12,147.5	-2,858.9	61.7	2,859.4	0.00	0.00	0.00
15,700.0	90.00	179.65	12,147.5	-2,958.9	62.3	2,959.4	0.00	0.00	0.00
15,800.0	90.00	179.65	12,147.5	-3,058.9	62.9	3,059.4	0.00	0.00	0.00
15,900.0	90.00	179.65	12,147.5	-3,158.9	63.5	3,159.4	0.00	0.00	0.00
16,000.0	90.00	179.65	12,147.5	-3,258.9	64.1	3,259.4	0.00	0.00	0.00
16,100.0	90.00	179.65	12,147.5	-3,358.9	64.7	3,359.4	0.00	0.00	0.00
16,200.0	90.00	179.65	12,147.5	-3,458.9	65.3	3,459.4	0.00	0.00	0.00
16,300.0	90.00	179.65	12,147.5	-3,558.9	65.9	3,559.4	0.00	0.00	0.00
16,400.0	90.00	179.65	12,147.5	-3,658.9	66.6	3,659.4	0.00	0.00	0.00
16,500.0	90.00	179.65	12,147.5	-3,758.9	67.2	3,759.4	0.00	0.00	0.00
16,600.0	90.00	179.65	12,147.5	-3,858.9	67.8	3,859.4	0.00	0.00	0.00
16,700.0	90.00	179.65	12,147.5	-3,958.9	68.4	3,959.4	0.00	0.00	0.00
16,800.0	90.00	179.65	12,147.5	-4,058.9	69.0	4,059.4	0.00	0.00	0.00
16,900.0	90.00	179.65	12,147.5	-4,158.9	69.6	4,159.4	0.00	0.00	0.00
17,000.0	90.00	179.65	12,147.5	-4,258.9	70.2	4,259.4	0.00	0.00	0.00
17,100.0	90.00	179.65	12,147.5	-4,358.9	70.8	4,359.4	0.00	0.00	0.00
17,200.0	90.00	179.65	12,147.5	-4,458.9	71.5	4,459.4	0.00	0.00	0.00
17,300.0	90.00	179.65	12,147.5	-4,558.9	72.1	4,559.4	0.00	0.00	0.00
17,400.0	90.00	179.65	12,147.5	-4,658.9	72.7	4,659.4	0.00	0.00	0.00
17,500.0	90.00	179.65	12,147.5	-4,758.9	73.3	4,759.4	0.00	0.00	0.00
17,600.0	90.00	179.65	12,147.5	-4,858.9	73.9	4,859.4	0.00	0.00	0.00
17,700.0	90.00	179.65	12,147.5	-4,958.9	74.5	4,959.4	0.00	0.00	0.00
17,800.0	90.00	179.65	12,147.5	-5,058.9	75.1	5,059.4	0.00	0.00	0.00
17,900.0	90.00	179.65	12,147.5	-5,158.9	75.7	5,159.4	0.00	0.00	0.00
18,000.0	90.00	179.65	12,147.5	-5,258.9	76.4	5,259.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,100.0	90.00	179.65	12,147.5	-5,358.9	77.0	5,359.4	0.00	0.00	0.00
18,200.0	90.00	179.65	12,147.5	-5,458.9	77.6	5,459.4	0.00	0.00	0.00
18,300.0	90.00	179.65	12,147.5	-5,558.9	78.2	5,559.4	0.00	0.00	0.00
18,400.0	90.00	179.65	12,147.5	-5,658.9	78.8	5,659.4	0.00	0.00	0.00
18,500.0	90.00	179.65	12,147.5	-5,758.9	79.4	5,759.4	0.00	0.00	0.00
18,600.0	90.00	179.65	12,147.5	-5,858.9	80.0	5,859.4	0.00	0.00	0.00
18,700.0	90.00	179.65	12,147.5	-5,958.9	80.6	5,959.4	0.00	0.00	0.00
18,800.0	90.00	179.65	12,147.5	-6,058.9	81.3	6,059.4	0.00	0.00	0.00
18,900.0	90.00	179.65	12,147.5	-6,158.9	81.9	6,159.4	0.00	0.00	0.00
19,000.0	90.00	179.65	12,147.5	-6,258.9	82.5	6,259.4	0.00	0.00	0.00
19,100.0	90.00	179.65	12,147.5	-6,358.9	83.1	6,359.4	0.00	0.00	0.00
19,200.0	90.00	179.65	12,147.5	-6,458.9	83.7	6,459.4	0.00	0.00	0.00
19,300.0	90.00	179.65	12,147.5	-6,558.9	84.3	6,559.4	0.00	0.00	0.00
19,400.0	90.00	179.65	12,147.5	-6,658.9	84.9	6,659.4	0.00	0.00	0.00
19,500.0	90.00	179.65	12,147.5	-6,758.9	85.5	6,759.4	0.00	0.00	0.00
19,600.0	90.00	179.65	12,147.5	-6,858.9	86.2	6,859.4	0.00	0.00	0.00
19,700.0	90.00	179.65	12,147.5	-6,958.9	86.8	6,959.4	0.00	0.00	0.00
19,800.0	90.00	179.65	12,147.5	-7,058.9	87.4	7,059.4	0.00	0.00	0.00
19,900.0	90.00	179.65	12,147.5	-7,158.9	88.0	7,159.4	0.00	0.00	0.00
20,000.0	90.00	179.65	12,147.5	-7,258.9	88.6	7,259.4	0.00	0.00	0.00
20,100.0	90.00	179.65	12,147.5	-7,358.9	89.2	7,359.4	0.00	0.00	0.00
20,200.0	90.00	179.65	12,147.5	-7,458.8	89.8	7,459.4	0.00	0.00	0.00
20,300.0	90.00	179.65	12,147.5	-7,558.8	90.4	7,559.4	0.00	0.00	0.00
20,400.0	90.00	179.65	12,147.5	-7,658.8	91.0	7,659.4	0.00	0.00	0.00
20,500.0	90.00	179.65	12,147.5	-7,758.8	91.7	7,759.4	0.00	0.00	0.00
20,600.0	90.00	179.65	12,147.5	-7,858.8	92.3	7,859.4	0.00	0.00	0.00
20,700.0	90.00	179.65	12,147.5	-7,958.8	92.9	7,959.4	0.00	0.00	0.00
20,800.0	90.00	179.65	12,147.5	-8,058.8	93.5	8,059.4	0.00	0.00	0.00
20,900.0	90.00	179.65	12,147.5	-8,158.8	94.1	8,159.4	0.00	0.00	0.00
21,000.0	90.00	179.65	12,147.5	-8,258.8	94.7	8,259.4	0.00	0.00	0.00
21,100.0	90.00	179.65	12,147.5	-8,358.8	95.3	8,359.4	0.00	0.00	0.00
21,200.0	90.00	179.65	12,147.5	-8,458.8	95.9	8,459.4	0.00	0.00	0.00
21,300.0	90.00	179.65	12,147.5	-8,558.8	96.6	8,559.4	0.00	0.00	0.00
21,400.0	90.00	179.65	12,147.5	-8,658.8	97.2	8,659.4	0.00	0.00	0.00
21,500.0	90.00	179.65	12,147.5	-8,758.8	97.8	8,759.4	0.00	0.00	0.00
21,600.0	90.00	179.65	12,147.5	-8,858.8	98.4	8,859.4	0.00	0.00	0.00
21,700.0	90.00	179.65	12,147.5	-8,958.8	99.0	8,959.4	0.00	0.00	0.00
21,800.0	90.00	179.65	12,147.5	-9,058.8	99.6	9,059.4	0.00	0.00	0.00
21,900.0	90.00	179.65	12,147.5	-9,158.8	100.2	9,159.4	0.00	0.00	0.00
22,000.0	90.00	179.65	12,147.5	-9,258.8	100.8	9,259.4	0.00	0.00	0.00
22,100.0	90.00	179.65	12,147.5	-9,358.8	101.5	9,359.4	0.00	0.00	0.00
22,200.0	90.00	179.65	12,147.5	-9,458.8	102.1	9,459.4	0.00	0.00	0.00
22,300.0	90.00	179.65	12,147.5	-9,558.8	102.7	9,559.4	0.00	0.00	0.00
22,400.0	90.00	179.65	12,147.5	-9,658.8	103.3	9,659.4	0.00	0.00	0.00
22,433.9	90.00	179.65	12,147.5	-9,692.7	103.5	9,693.3	0.00	0.00	0.00
Start 50.0 hold at 22433.9 MD									
22,483.9	90.00	179.65	12,147.5	-9,742.7	103.8	9,743.3	0.00	0.00	0.00
TD at 22483.9									

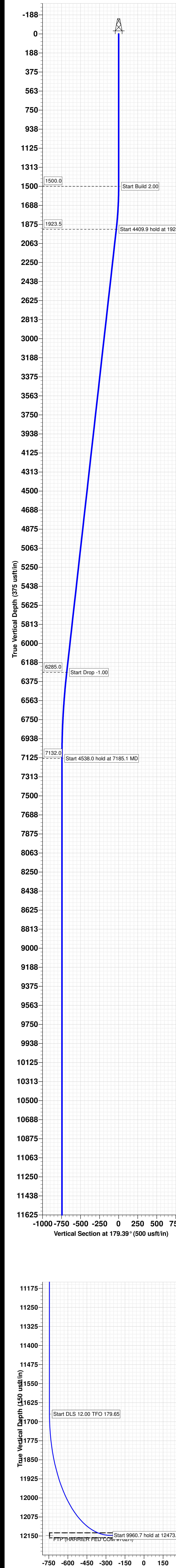
ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #702H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

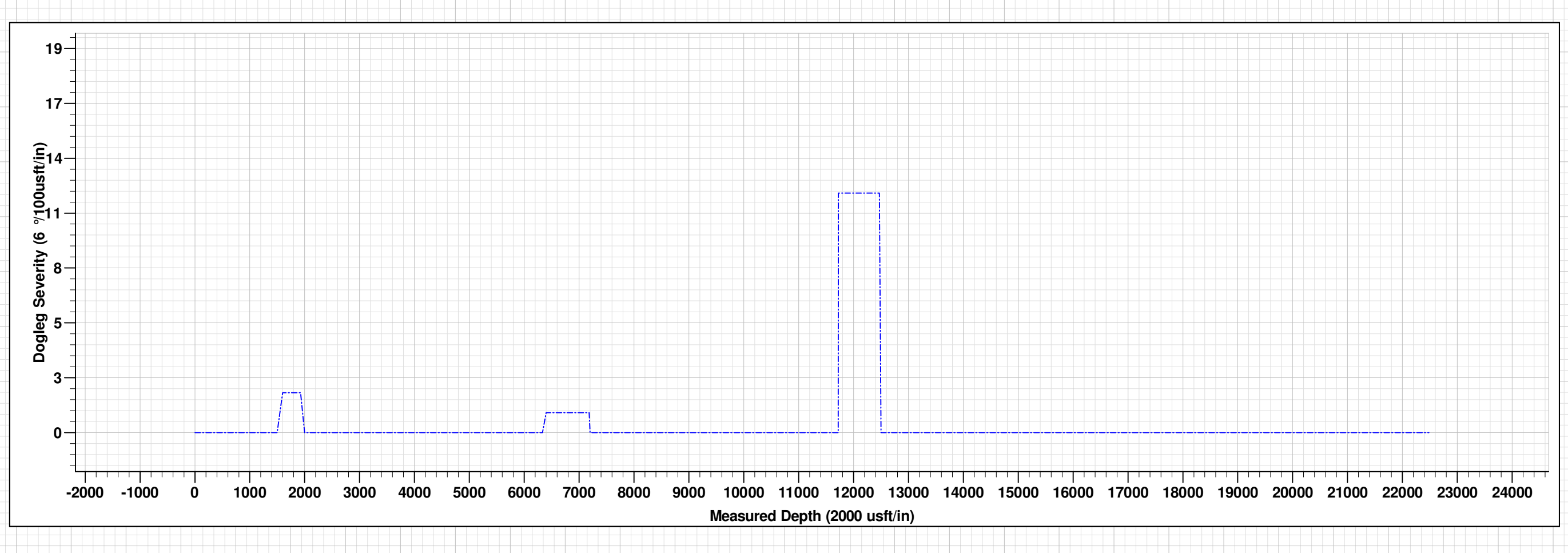
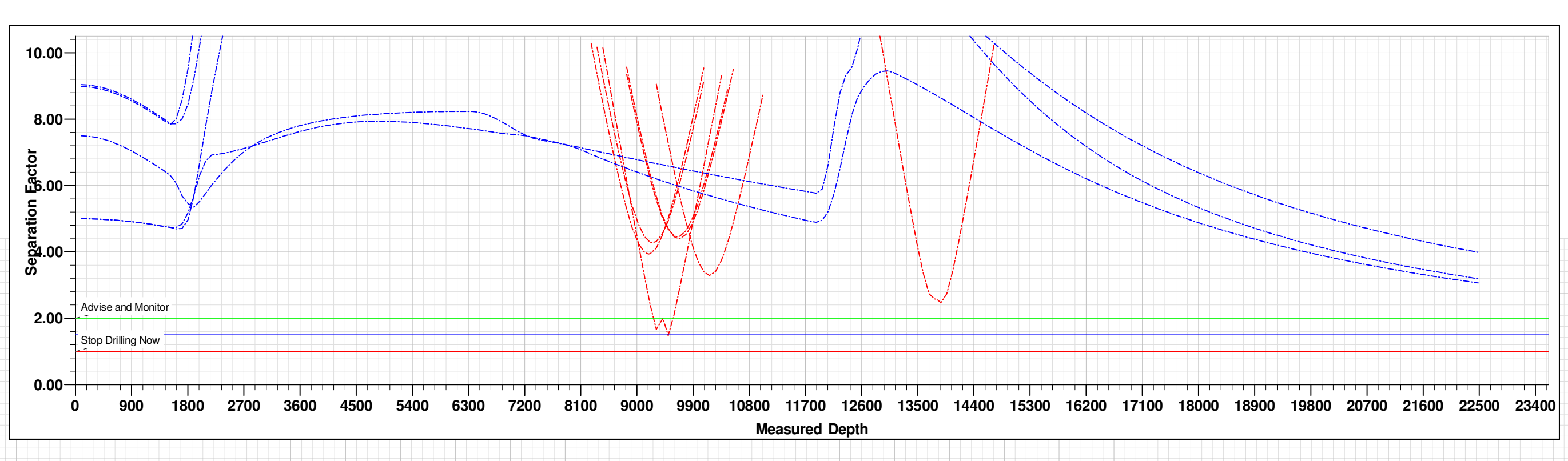
Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP (HARRIER FED CC - plan misses target center by 197.8usft at 12100.0usft MD (12009.0 TVD, 604.2 N, 40.5 E) - Point	0.00	0.00	12,147.5	745.3	39.6	398,535.90	711,445.30	32° 5' 37.863 N	103° 39' 1.983 W	
PBHL (HARRIER FED C - plan hits target center - Rectangle (sides W100.0 H10,488.0 D20.0)	0.00	359.65	12,147.5	-9,742.7	103.8	388,047.90	711,509.50	32° 3' 54.071 N	103° 39' 2.008 W	
LTP (HARRIER FED CC - plan hits target center - Point	0.00	0.01	12,147.5	-9,692.7	103.5	388,097.90	711,509.20	32° 3' 54.566 N	103° 39' 2.008 W	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
1,925.1	1,923.5	31.4	1.7	Start 4409.9 hold at 1925.1 MD	
6,335.0	6,285.0	682.4	36.3	Start Drop -1.00	
7,185.1	7,132.0	745.3	39.6	Start 4538.0 hold at 7185.1 MD	
11,723.2	11,670.0	745.3	39.6	Start DLS 12.00 TFO 179.65	
12,473.2	12,147.5	267.8	42.5	Start 9960.7 hold at 12473.2 MD	
22,433.9	12,147.5	-9,692.7	103.5	Start 50.0 hold at 22433.9 MD	
22,483.9	12,147.5	-9,742.7	103.8	TD at 22483.9	

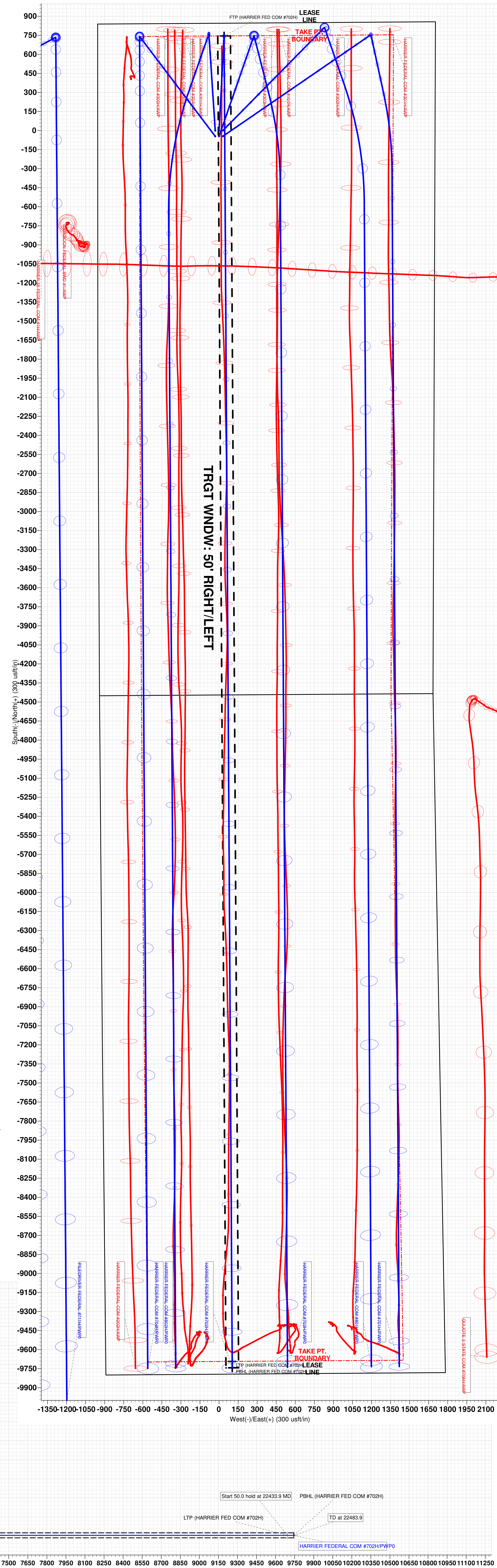
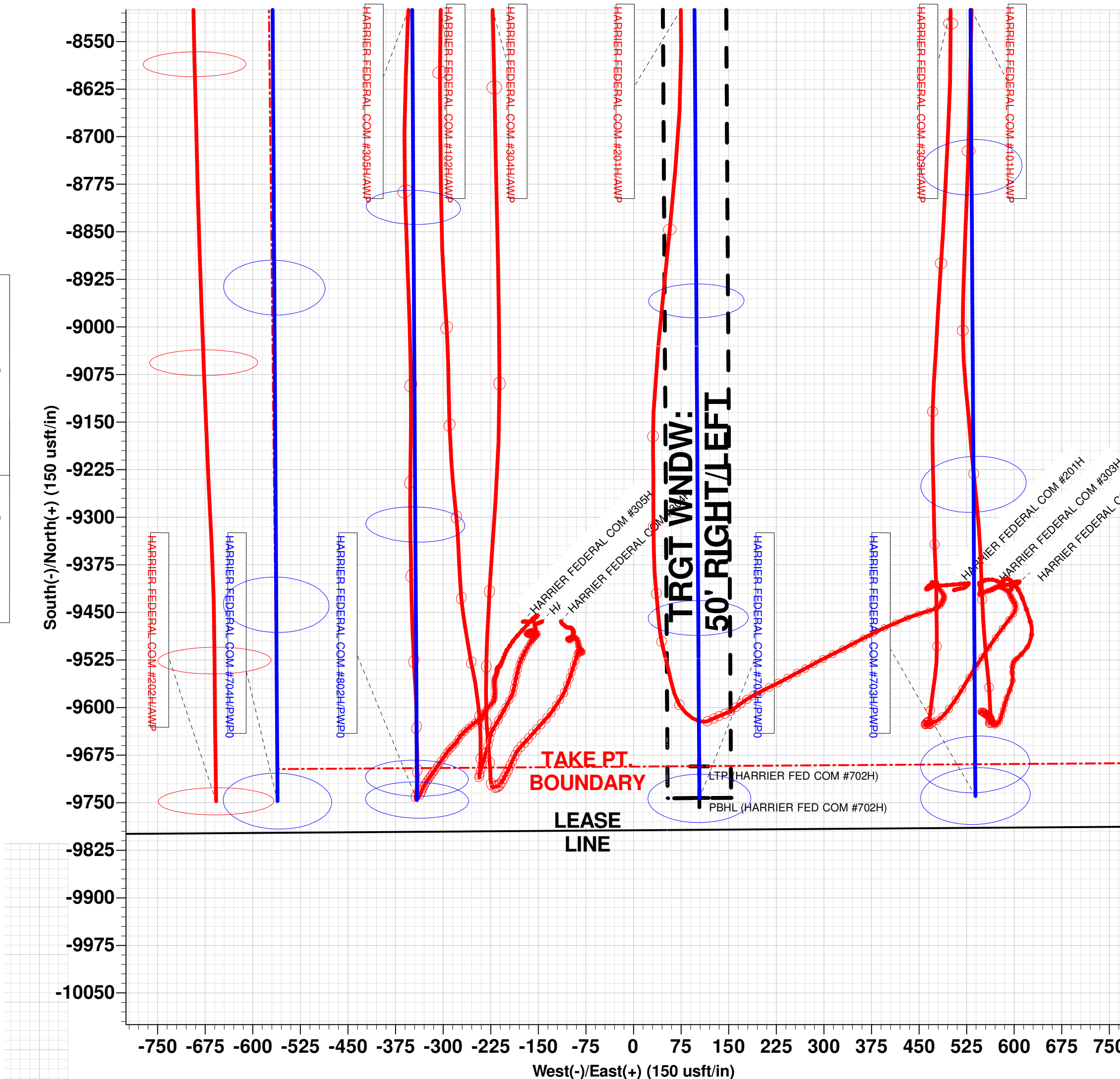
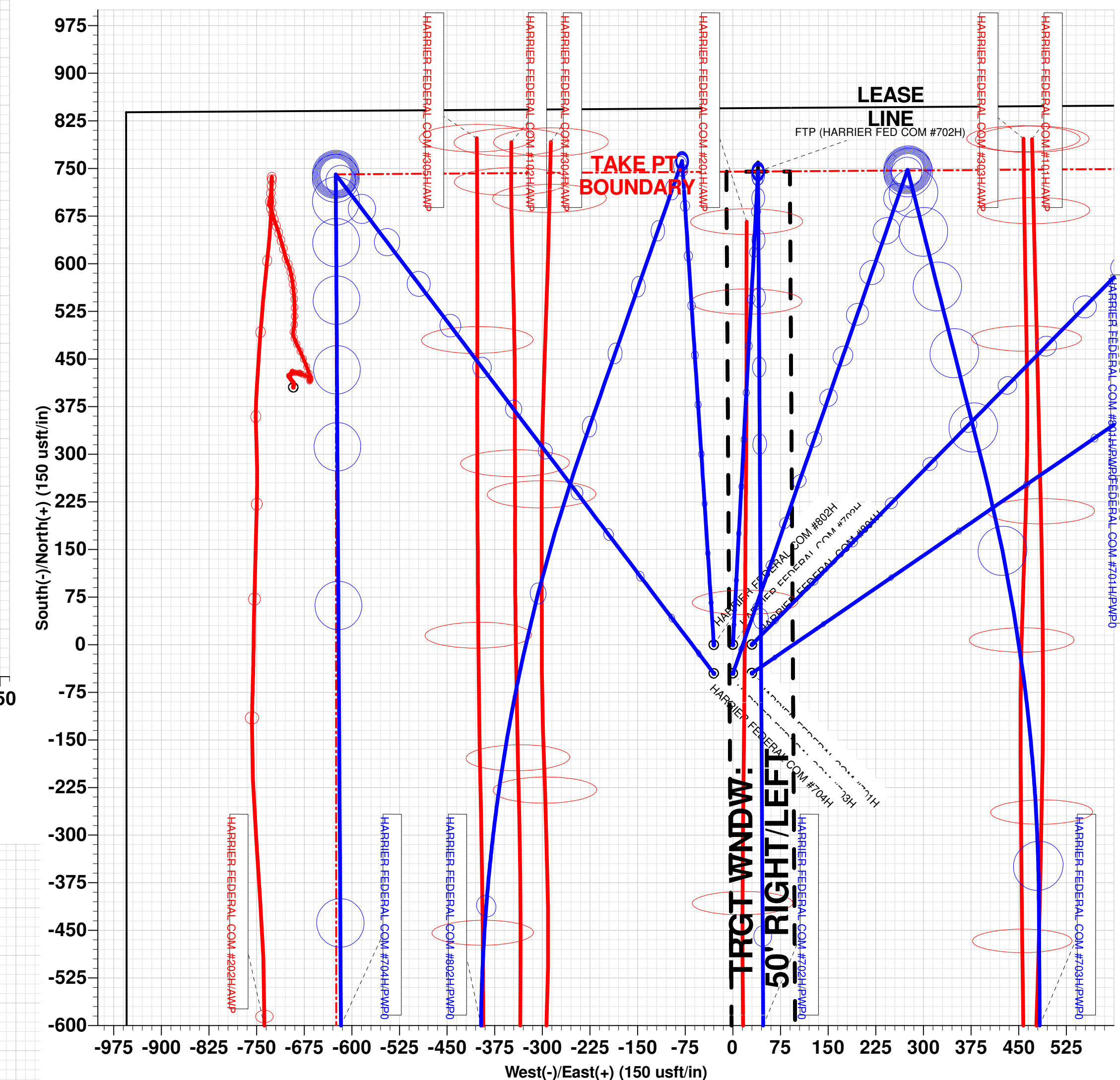
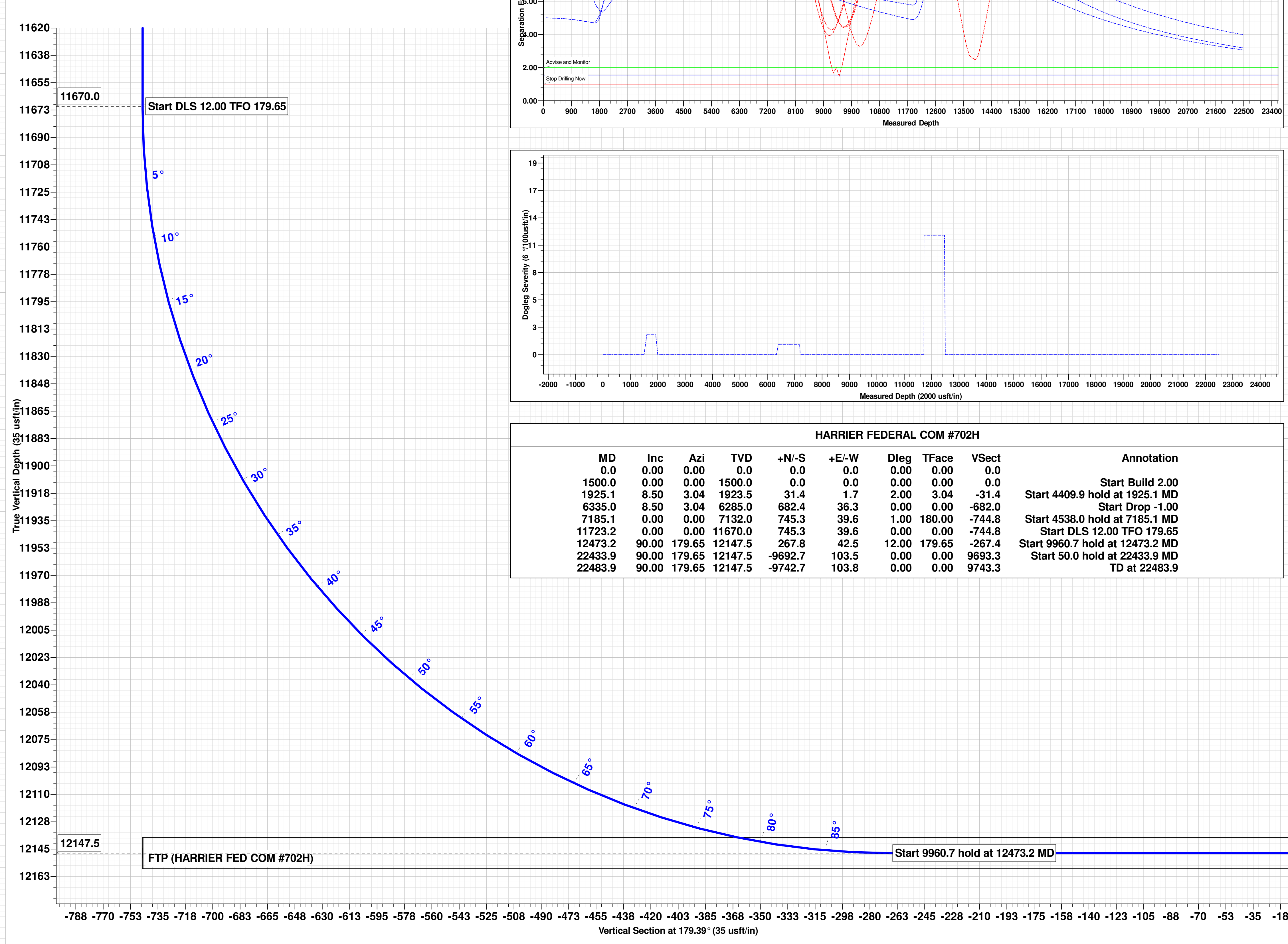


WELL DETAILS: HARRIER FEDERAL COM #702H						
+N-S	+E-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	397790.60	711405.70	32° 5' 30.491 N	103° 39' 2.498 W	

DESIGN TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude
FTP (HARRIER FED COM #702H) 12147.5	745.3	39.6	398535.90	711445.30	32° 5' 37.863 N	103° 39' 1.983 W
LTP (HARRIER FED COM #702H) 12147.5	-9692.7	103.5	388097.90	711509.20	32° 3' 54.566 N	103° 39' 2.008 W
PBHL (HARRIER FED COM #702H) 12147.5	-9742.7	103.8	388047.90	711509.50	32° 3' 54.071 N	103° 39' 2.008 W



HARRIER FEDERAL COM #702H									
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	Start 4409.9 hold at 1925.1 MD
1925.1	8.50	3.04	1923.5	31.4	1.7	2.00	3.04	-31.4	Start Drop -1.00
6335.0	8.50	3.04	6285.0	682.4	36.3	0.00	0.00	-682.0	Start 4538.0 hold at 7185.1 MD
7185.1	0.00	0.00	7132.0	745.3	39.6	1.00	180.00	-744.8	Start DLS 12.00 TFO 179.65
11723.2	0.00	0.00	11670.0	745.3	39.6	0.00	0.00	-744.8	Start 9960.7 hold at 12473.2 MD
12473.2	90.00	179.65	12147.5	267.8	42.5	12.00	179.65	-267.4	TD at 22483.9
22433.9	90.00	179.65	12147.5	-9692.7	103.5	0.00	0.00	9693.3	
22483.9	90.00	179.65	12147.5	-9742.7	103.8	0.00	0.00	9743.3	



TRGT WNDW:
10' ABOVE/BELOW

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 171556

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 171556
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	1/5/2023