

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/801H

9. API Well No. 3002549891

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 & 1980 ft FWL SESW 2-26S-32E

Change BHL TO: 50 ft FSL & 2090 ft FWL SESW 2-26S-32E Lea Co, NM.

Change TD to: 22,637 MD, 12,154 TVD

New casing program attached.

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

STAN WAGNER / Ph: (432) 253-9685

Regulatory 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

12/20/2022

Date

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

Office 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 / 985 FWL / TWSP: 25S / RANGE: 32E / SECTION: 35 / LAT: 32.091928 / LONG: -103.65107 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 1980 FWL / TWSP: 25S / RANGE: 32E / SECTION: 35 / LAT: 32.093977 / LONG: -103.647843 (TVD: 12333 feet, MD: 12400 feet)

BHL: SESW / 50 FSL / 1980 FWL / TWSP: 26S / RANGE: 32E / SECTION: 2 / LAT: 32.065147 / LONG: -103.647949 (TVD: 12530 feet, MD: 22529 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 30-025-49891		Pool Code 98158	Pool Name WC-025 G-09 S253236A; Upper Wolfcamp
Property Code 325390	Property Name HARRIER FEDERAL COM		Well Number 801H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3368.8'

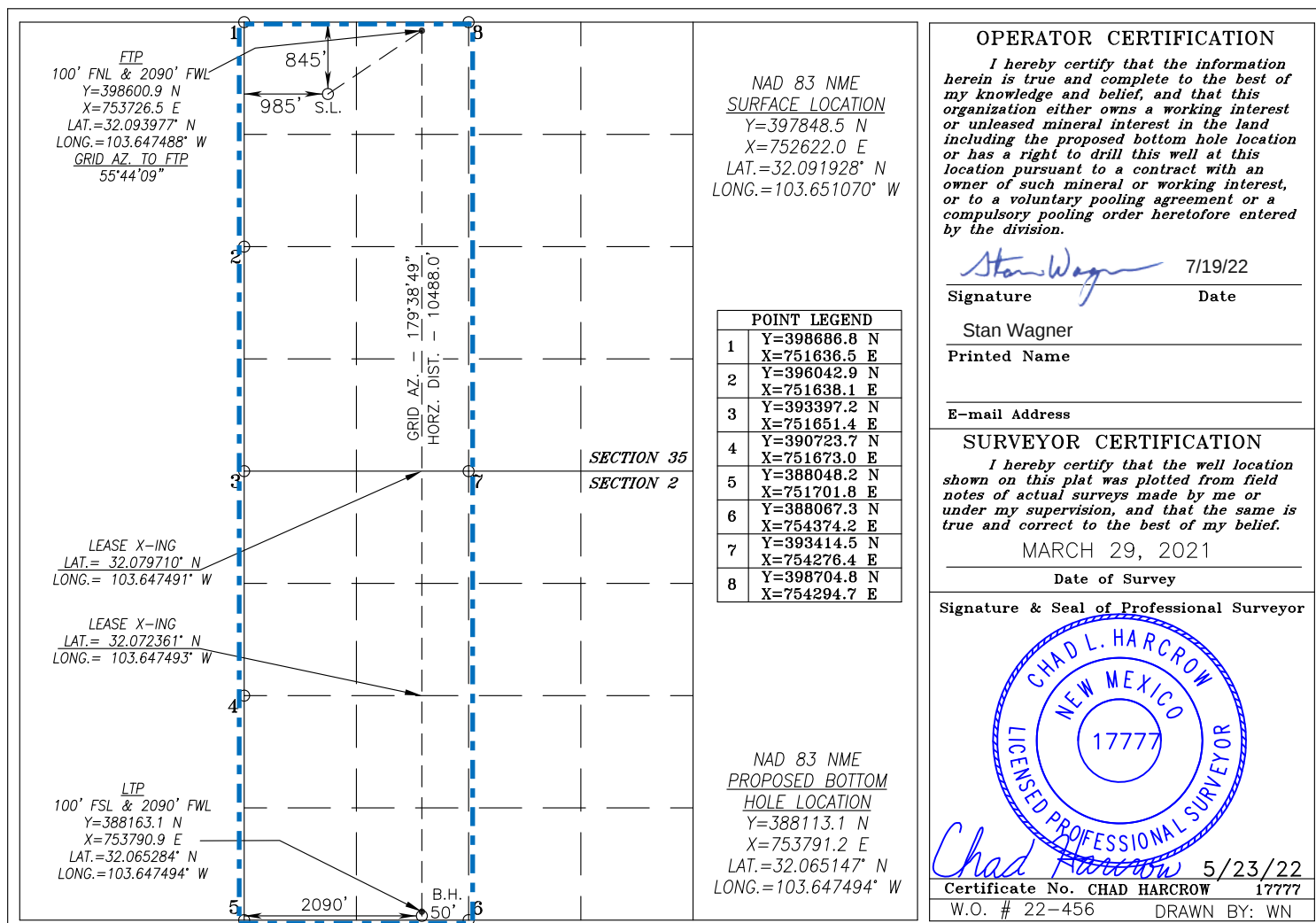
Surface Location

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	985	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No. N	Section 2	Township 26-S	Range 32-E	Lot Idn	Feet from the 50	North/South line SOUTH	Feet from the 2090	East/West line WEST	County 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



COG Operating, LLC - Harrier Federal Com 801H

1. Geologic Formations

TVD of target	12,155' EOL	Pilot hole depth	NA
MD at TD:	22,637'	Deepest expected fresh water:	207'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	692	Water	
Top of Salt	1072	Salt	
Base of Salt	4446	Salt	
Lamar	4644	Salt Water	
Bell Canyon	4684	Salt Water	
Cherry Canyon	5674	Oil/Gas	
Brushy Canyon	7209	Oil/Gas	
Bone Spring Lime	8787	Oil/Gas	
1st Bone Spring Sand	9754	Oil/Gas	
2nd Bone Spring Sand	10362	Oil/Gas	
3rd Bone Spring Carbonate	10863	Oil/Gas	
Wolfcamp A	12105	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	22,637	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 801H

	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?	

COG Operating, LLC - Harrier Federal Com 801H

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
	954	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 801H

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 801H

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 801H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7905 psi at 12155' 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 #801H

300254989100

OWB

PWP0

Anticollision Report

17 July, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	1,750.0	PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
1,750.0	11,773.2	PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction
11,773.2	22,636.6	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
HARRIER FEDERAL PROJECT (LEA 2632)						
FEDERAL SUNSHINE ROYALTY #1 (P&A) - OWB - AW						Out of range
HARRIER 35 FEDERAL COM #1H - OWB - AWP	14,021.7	13,455.3	121.6	61.8	2.035	CC, ES
HARRIER 35 FEDERAL COM #1H - OWB - AWP	14,060.0	13,453.4	127.5	62.8	1.971	Advise and Monitor, SF
HARRIER FEDERAL COM #101H - OWB - AWP	9,714.8	19,755.0	359.2	239.3	2.995	CC, ES, SF
HARRIER FEDERAL COM #102H - OWB - AWP						Out of range
HARRIER FEDERAL COM #201H - OWB - AWP	9,462.6	19,405.0	821.4	704.6	7.036	CC, ES, SF
HARRIER FEDERAL COM #301H - OWB - AWP	9,760.2	19,779.0	514.3	394.0	4.272	CC, ES
HARRIER FEDERAL COM #301H - OWB - AWP	9,785.0	19,779.0	514.9	394.4	4.272	SF
HARRIER FEDERAL COM #302H - OWB - AWP	10,260.4	20,229.0	211.3	89.8	1.739	Advise and Monitor, CC, ES,
HARRIER FEDERAL COM #303H - OWB - AWP	9,292.5	19,261.0	372.8	254.5	3.151	CC, ES, SF
HARRIER FEDERAL COM #304H - OWB - AWP						Out of range
HARRIER FEDERAL COM #305H - OWB - AWP						Out of range
HARRIER FEDERAL COM #701H - OWB - PWP0	1,877.4	1,876.1	37.8	30.6	5.212	CC, ES
HARRIER FEDERAL COM #701H - OWB - PWP0	22,636.6	22,901.5	353.7	182.9	2.071	SF
HARRIER FEDERAL COM #702H - OWB - PWP0	1,603.6	1,601.4	29.9	23.6	4.698	CC
HARRIER FEDERAL COM #702H - OWB - PWP0	1,615.0	1,612.7	30.0	23.6	4.693	ES, SF
HARRIER FEDERAL COM #703H - OWB - PWP0	2,041.3	2,043.7	27.0	16.8	2.644	CC, ES, SF
HARRIER FEDERAL COM #704H - OWB - PWP0	1,436.0	1,433.5	75.2	68.7	11.464	CC
HARRIER FEDERAL COM #704H - OWB - PWP0	1,615.0	1,612.4	75.3	68.6	11.249	ES, SF
HARRIER FEDERAL COM #802H - OWB - PWP0	1,710.0	1,708.0	60.0	53.6	9.340	CC
HARRIER FEDERAL COM #802H - OWB - PWP0	1,710.1	1,708.1	60.0	53.6	9.340	ES
HARRIER FEDERAL COM #802H - OWB - PWP0	1,995.0	1,992.4	68.1	60.6	9.143	SF
QUIJOTE 2 STATE COM #702H - OWB - AWP						Out of range
QUIJOTE 2 STATE COM #704H - OWB - AWP						Out of range
QUIJOTE 2 STATE COM #706H - OWB - AWP	17,639.2	12,088.0	822.4	724.6	8.409	CC
QUIJOTE 2 STATE COM #706H - OWB - AWP	17,670.0	12,104.8	822.8	724.5	8.371	ES
QUIJOTE 2 STATE COM #706H - OWB - AWP	22,610.0	17,057.0	910.3	729.9	5.045	SF
QUIJOTE 2 STATE COM #713H - 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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	0.0	1.0	828.1			
HARRIER FEDERAL COM #202H - OWB - AWP	4,370.0	4,381.9	997.0	980.4	59.709	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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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)		Separation Factor	Warning
Offset Well - Wellbore - Design						
HARRIER FEDERAL PROJECT (LEA 2632)						
FEDERAL SUNSHINE ROYALTY #1 (P&A) - OWB - AW	22,636.6	4,750.0				Out of Range @TD
HARRIER 35 FEDERAL COM #1H - OWB - AWP	22,636.6	13,050.0				Out of Range @TD
HARRIER FEDERAL COM #101H - OWB - AWP	22,636.6	9,848.0				Out of Range @TD
HARRIER FEDERAL COM #102H - OWB - AWP	22,636.6	9,357.0				Out of Range @TD
HARRIER FEDERAL COM #201H - OWB - AWP	22,636.6	9,553.0				Out of Range @TD
HARRIER FEDERAL COM #301H - OWB - AWP	22,636.6	9,849.0				Out of Range @TD
HARRIER FEDERAL COM #302H - OWB - AWP	22,636.6	10,357.1				Out of Range @TD
HARRIER FEDERAL COM #303H - OWB - AWP	22,636.6	9,369.0				Out of Range @TD
HARRIER FEDERAL COM #304H - OWB - AWP	22,636.6	10,264.0				Out of Range @TD
HARRIER FEDERAL COM #305H - OWB - AWP	22,636.6	9,852.0				Out of Range @TD
HARRIER FEDERAL COM #701H - OWB - PWP0	22,636.6	22,901.5	353.7	182.9	2.071	SF
HARRIER FEDERAL COM #702H - OWB - PWP0	22,636.6	22,482.8				Out of Range @TD
HARRIER FEDERAL COM #703H - OWB - PWP0	22,636.6	22,790.8	715.7	542.2	4.124	
HARRIER FEDERAL COM #704H - OWB - PWP0	22,636.6	22,507.7				Out of Range @TD
HARRIER FEDERAL COM #802H - OWB - PWP0	22,636.6	22,832.9				Out of Range @TD
QUIJOTE 2 STATE COM #702H - OWB - AWP	22,636.6	17,101.0				Out of Range @TD
QUIJOTE 2 STATE COM #704H - OWB - AWP	22,636.6	17,135.0				Out of Range @TD
QUIJOTE 2 STATE COM #706H - OWB - AWP	22,636.6	17,057.0	912.0	731.5	5.053	
QUIJOTE 2 STATE COM #713H - OWB - AWP	22,636.6	17,146.8				Out of Range @TD
QUIJOTE 2 STATE COM #715H - OWB - AWP	22,636.6	17,220.6				Out of Range @TD
PILEDRIIVER & FIGURE FOUR FEDERAL PROJECT						
HARRIER FEDERAL COM #202H - OWB - AWP	22,636.6	19,461.0				Out of Range @TD
MONSOON FEDERAL SWD #1 - OWB - AWP	22,636.6	12,093.4				Out of Range @TD
PILEDRIIVER FEDERAL #711H - OWB - PWP0	22,636.6	22,780.7				Out of Range @TD
PILEDRIIVER FEDERAL #712H - OWB - PWP0	22,636.6	22,476.4				Out of Range @TD
PILEDRIIVER FEDERAL #713H - OWB - PWP0	22,636.6	22,756.3				Out of Range @TD
PILEDRIIVER FEDERAL #714H - OWB - PWP0	22,636.6	22,480.8				Out of Range @TD
PILEDRIIVER FEDERAL #715H - OWB - PWP0	22,636.6	22,826.3				Out of Range @TD
PILEDRIIVER FEDERAL #716H - OWB - PWP0	22,636.6	22,581.2				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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,110.0	12,154.8	13,519.3	12,012.6	38.3	51.1	49.98	-1,117.5	1,056.6	916.9	829.5	87.43	10.488	
13,205.0	12,154.8	13,505.0	12,013.3	38.5	50.9	40.57	-1,118.1	1,070.8	823.9	736.9	87.01	9.469	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	12,154.8	13,494.0	12,013.9	38.7	50.6	29.50	-1,118.6	1,081.8	730.7	644.1	86.60	8.438	
13,395.0	12,154.8	13,485.9	12,014.3	38.8	50.5	17.77	-1,118.9	1,089.9	637.6	551.5	86.14	7.402	
13,490.0	12,154.8	13,480.8	12,014.5	39.0	50.4	9.78	-1,119.2	1,095.0	544.8	459.2	85.58	6.366	
13,585.0	12,154.8	13,476.3	12,014.7	39.2	50.3	7.75	-1,119.4	1,099.5	452.8	368.0	84.77	5.342	
13,680.0	12,154.8	13,471.8	12,014.9	39.4	50.2	5.69	-1,119.5	1,103.9	362.3	278.9	83.42	4.343	
13,775.0	12,154.8	13,467.3	12,015.1	39.5	50.1	3.61	-1,119.7	1,108.4	274.7	193.9	80.87	3.397	
13,870.0	12,154.8	13,462.8	12,015.2	39.7	50.0	1.52	-1,119.9	1,112.9	194.3	119.0	75.26	2.581	
13,965.0	12,154.8	13,458.2	12,015.4	39.9	50.0	-0.67	-1,120.1	1,117.5	134.1	70.8	63.31	2.119	
14,021.7	12,154.8	13,455.3	12,015.5	40.1	49.9	-2.00	-1,120.3	1,120.4	121.6	61.8	59.75	2.035 CC, ES	
14,060.0	12,154.8	13,453.4	12,015.5	40.2	49.9	-2.91	-1,120.4	1,122.3	127.5	62.8	64.68	1.971 Advise and Monitor, SF	
14,155.0	12,154.8	13,448.6	12,015.7	40.4	49.8	-5.16	-1,120.6	1,127.1	180.3	101.2	79.10	2.280	
14,250.0	12,154.8	13,443.8	12,015.9	40.6	49.7	-7.43	-1,120.8	1,131.9	258.4	174.0	84.41	3.062	
14,345.0	12,154.8	13,438.9	12,016.0	40.9	49.6	-9.71	-1,121.0	1,136.8	345.0	258.9	86.19	4.003	
14,440.0	12,154.8	13,433.9	12,016.2	41.1	49.5	-11.98	-1,121.2	1,141.8	435.1	348.2	86.88	5.008	
14,535.0	12,154.8	13,429.0	12,016.4	41.4	49.4	-14.21	-1,121.4	1,146.7	526.9	439.7	87.16	6.045	
14,630.0	12,154.8	13,424.4	12,016.5	41.7	49.3	-16.25	-1,121.6	1,151.2	619.6	532.3	87.27	7.100	
14,725.0	12,154.8	13,419.9	12,016.7	42.0	49.2	-18.23	-1,121.9	1,155.7	712.9	625.6	87.30	8.165	
14,820.0	12,154.8	13,415.4	12,016.8	42.3	49.2	-20.15	-1,122.1	1,160.2	806.5	719.2	87.30	9.239	
14,915.0	12,154.8	13,411.0	12,017.0	42.6	49.1	-22.01	-1,122.2	1,164.6	900.4	813.2	87.27	10.318	
15,010.0	12,154.8	13,406.6	12,017.1	42.9	49.0	-23.81	-1,122.4	1,169.0	994.5	907.3	87.23	11.401	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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						Rule Assigned:					Offset Well Error:	3.0 usft
Reference	Offset	Offset		Reference	Offset	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		
8,835.0	8,739.2	19,755.0	9,491.2	27.5	89.6	-140.20	796.1	441.2	949.0	846.2	102.81	9.231		
8,930.0	8,834.1	19,755.0	9,491.2	27.8	89.6	-138.85	796.1	441.2	862.6	758.8	103.81	8.310		
9,025.0	8,929.1	19,755.0	9,491.2	28.1	89.6	-137.59	796.1	441.2	777.7	672.7	104.97	7.409		
9,120.0	9,024.1	19,755.0	9,491.2	28.4	89.6	-92.54	796.1	441.2	694.9	588.5	106.38	6.532		
9,215.0	9,119.1	19,755.0	9,491.2	28.8	89.6	-92.54	796.1	441.2	615.5	507.4	108.12	5.693		
9,310.0	9,214.1	19,755.0	9,491.2	29.1	89.6	-92.54	796.1	441.2	541.2	430.9	110.29	4.907		
9,405.0	9,309.1	19,755.0	9,491.2	29.4	89.6	-92.54	796.1	441.2	474.3	361.4	112.92	4.201		
9,500.0	9,404.1	19,755.0	9,491.2	29.7	89.6	-92.54	796.1	441.2	418.5	302.6	115.87	3.612		
9,595.0	9,499.1	19,755.0	9,491.2	30.0	89.6	-92.54	796.1	441.2	378.6	260.1	118.56	3.194		
9,690.0	9,594.1	19,755.0	9,491.2	30.3	89.6	-92.54	796.1	441.2	360.0	240.1	119.91	3.002		
9,714.8	9,618.9	19,755.0	9,491.2	30.4	89.6	-92.54	796.1	441.2	359.2	239.3	119.92	2.995 CC, ES, SF		
9,785.0	9,689.1	19,755.0	9,491.2	30.6	89.6	-92.54	796.1	441.2	366.0	246.8	119.12	3.072		
9,880.0	9,784.1	19,749.5	9,491.7	31.0	89.6	-93.41	790.6	441.3	395.3	278.7	116.57	3.391		
9,975.0	9,879.1	19,741.4	9,492.4	31.3	89.5	-94.70	782.5	441.5	443.3	329.8	113.51	3.905		
10,070.0	9,974.1	19,733.3	9,493.1	31.6	89.4	-95.98	774.4	441.6	504.6	393.8	110.83	4.554		
10,165.0	10,069.1	19,725.1	9,493.8	31.9	89.4	-97.26	766.3	441.8	575.1	466.3	108.77	5.287		
10,260.0	10,164.1	19,717.0	9,494.5	32.2	89.3	-98.54	758.2	441.9	651.7	544.4	107.30	6.074		
10,355.0	10,259.1	19,708.9	9,495.2	32.5	89.2	-99.80	750.2	442.1	732.6	626.3	106.29	6.892		
10,450.0	10,354.1	19,700.7	9,495.9	32.9	89.2	-101.06	742.1	442.3	816.4	710.8	105.62	7.730		
10,545.0	10,449.1	19,692.6	9,496.6	33.2	89.1	-102.31	734.0	442.4	902.4	797.2	105.18	8.579		
10,640.0	10,544.1	19,690.0	9,496.8	33.5	89.1	-102.71	731.4	442.5	989.9	885.0	104.98	9.429		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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, 8552-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)			
8,930.0	8,834.1	19,405.0	9,242.2	27.8	88.4	-145.22	666.2	-8.3	977.9	866.5	111.39	8.779	
9,025.0	8,929.1	19,405.0	9,242.2	28.1	88.4	-144.91	666.2	-8.3	930.6	817.8	112.77	8.252	
9,120.0	9,024.1	19,405.0	9,242.2	28.4	88.4	-100.22	666.2	-8.3	890.0	775.9	114.06	7.803	
9,215.0	9,119.1	19,405.0	9,242.2	28.8	88.4	-100.22	666.2	-8.3	857.9	742.7	115.19	7.447	
9,310.0	9,214.1	19,405.0	9,242.2	29.1	88.4	-100.22	666.2	-8.3	835.4	719.3	116.07	7.198	
9,405.0	9,309.1	19,405.0	9,242.2	29.4	88.4	-100.22	666.2	-8.3	823.4	706.8	116.60	7.061	
9,462.6	9,366.7	19,405.0	9,242.2	29.6	88.4	-100.22	666.2	-8.3	821.4	704.6	116.74	7.036 CC, ES, SF	
9,500.0	9,404.1	19,405.0	9,242.2	29.7	88.4	-100.22	666.2	-8.3	822.2	705.5	116.74	7.043	
9,595.0	9,499.1	19,405.0	9,242.2	30.0	88.4	-100.22	666.2	-8.3	831.9	715.5	116.49	7.142	
9,690.0	9,594.1	19,405.0	9,242.2	30.3	88.4	-100.22	666.2	-8.3	852.2	736.3	115.89	7.354	
9,785.0	9,689.1	19,405.0	9,242.2	30.6	88.4	-100.22	666.2	-8.3	882.3	767.3	115.04	7.670	
9,880.0	9,784.1	19,405.0	9,242.2	31.0	88.4	-100.22	666.2	-8.3	921.3	807.3	114.05	8.078	
9,975.0	9,879.1	19,405.0	9,242.2	31.3	88.4	-100.22	666.2	-8.3	968.1	855.1	113.00	8.567	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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 #301H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8973-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)			
8,930.0	8,834.1	19,779.0	9,543.1	27.8	89.9	47.87	803.3	1,314.3	977.2	873.8	103.40	9.450	
9,025.0	8,929.1	19,779.0	9,543.1	28.1	89.9	46.78	803.3	1,314.3	897.3	792.6	104.65	8.575	
9,120.0	9,024.1	19,779.0	9,543.1	28.4	89.9	90.97	803.3	1,314.3	821.2	715.1	106.15	7.737	
9,215.0	9,119.1	19,779.0	9,543.1	28.8	89.9	90.97	803.3	1,314.3	749.5	641.6	107.94	6.944	
9,310.0	9,214.1	19,779.0	9,543.1	29.1	89.9	90.97	803.3	1,314.3	683.5	573.5	110.06	6.210	
9,405.0	9,309.1	19,779.0	9,543.1	29.4	89.9	90.97	803.3	1,314.3	625.1	512.6	112.48	5.557	
9,500.0	9,404.1	19,779.0	9,543.1	29.7	89.9	90.97	803.3	1,314.3	576.4	461.3	115.08	5.009	
9,595.0	9,499.1	19,779.0	9,543.1	30.0	89.9	90.97	803.3	1,314.3	540.2	422.6	117.58	4.595	
9,690.0	9,594.1	19,779.0	9,543.1	30.3	89.9	90.97	803.3	1,314.3	519.1	399.6	119.53	4.343	
9,760.2	9,664.3	19,779.0	9,543.1	30.6	89.9	90.97	803.3	1,314.3	514.3	394.0	120.39	4.272 CC, ES	
9,785.0	9,689.1	19,779.0	9,543.1	30.6	89.9	90.97	803.3	1,314.3	514.9	394.4	120.55	4.272 SF	
9,880.0	9,784.1	19,779.0	9,543.1	31.0	89.9	90.97	803.3	1,314.3	528.1	407.7	120.45	4.384	
9,975.0	9,879.1	19,777.2	9,543.2	31.3	89.9	91.17	801.5	1,314.3	557.4	438.0	119.44	4.667	
10,070.0	9,974.1	19,773.4	9,543.3	31.6	89.9	91.59	797.7	1,314.2	600.4	482.5	117.90	5.093	
10,165.0	10,069.1	19,769.6	9,543.5	31.9	89.9	92.01	793.9	1,314.2	654.5	538.2	116.23	5.631	
10,260.0	10,164.1	19,765.8	9,543.6	32.2	89.8	92.43	790.1	1,314.2	717.1	602.4	114.65	6.254	
10,355.0	10,259.1	19,762.1	9,543.8	32.5	89.8	92.86	786.4	1,314.2	786.2	672.9	113.29	6.939	
10,450.0	10,354.1	19,758.3	9,543.9	32.9	89.8	93.28	782.6	1,314.2	860.2	748.0	112.16	7.669	
10,545.0	10,449.1	19,754.5	9,544.1	33.2	89.7	93.70	778.8	1,314.2	938.0	826.8	111.26	8.431	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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 #302H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 9382-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,310.0	9,214.1	20,229.0	10,041.0	29.1	89.6	93.10	800.6	1,011.0	973.6	873.3	100.36	9.701	
9,405.0	9,309.1	20,229.0	10,041.0	29.4	89.6	93.10	800.6	1,011.0	881.1	780.3	100.79	8.742	
9,500.0	9,404.1	20,229.0	10,041.0	29.7	89.6	93.10	800.6	1,011.0	789.2	687.9	101.28	7.792	
9,595.0	9,499.1	20,229.0	10,041.0	30.0	89.6	93.10	800.6	1,011.0	698.2	596.3	101.89	6.852	
9,690.0	9,594.1	20,229.0	10,041.0	30.3	89.6	93.10	800.6	1,011.0	608.3	505.6	102.68	5.924	
9,785.0	9,689.1	20,229.0	10,041.0	30.6	89.6	93.10	800.6	1,011.0	520.3	416.5	103.76	5.014	
9,880.0	9,784.1	20,229.0	10,041.0	31.0	89.6	93.10	800.6	1,011.0	435.2	329.8	105.36	4.130	
9,975.0	9,879.1	20,229.0	10,041.0	31.3	89.6	93.10	800.6	1,011.0	355.1	247.2	107.89	3.292	
10,070.0	9,974.1	20,229.0	10,041.0	31.6	89.6	93.10	800.6	1,011.0	284.5	172.5	111.92	2.542	
10,165.0	10,069.1	20,229.0	10,041.0	31.9	89.6	93.10	800.6	1,011.0	231.9	114.4	117.49	1.973 Advise and Monitor	
10,260.0	10,164.1	20,229.0	10,041.0	32.2	89.6	93.10	800.6	1,011.0	211.3	89.8	121.52	1.739 Advise and Monitor	
10,260.4	10,164.5	20,229.0	10,041.0	32.2	89.6	93.10	800.6	1,011.0	211.3	89.8	121.53	1.739 Advise and Monitor, CC, ES, SF	
10,355.0	10,259.1	20,229.0	10,041.0	32.5	89.6	93.10	800.6	1,011.0	231.5	111.5	120.00	1.929 Advise and Monitor	
10,450.0	10,354.1	20,229.0	10,041.0	32.9	89.6	93.10	800.6	1,011.0	283.9	168.0	115.87	2.450	
10,545.0	10,449.1	20,229.0	10,041.0	33.2	89.6	93.10	800.6	1,011.0	354.5	242.0	112.52	3.150	
10,640.0	10,544.1	20,229.0	10,041.0	33.5	89.6	93.10	800.6	1,011.0	434.5	324.1	110.39	3.936	
10,735.0	10,639.1	20,229.0	10,041.0	33.8	89.6	93.10	800.6	1,011.0	519.5	410.4	109.11	4.761	
10,830.0	10,734.1	20,229.0	10,041.0	34.1	89.6	93.10	800.6	1,011.0	607.5	499.2	108.37	5.606	
10,925.0	10,829.1	20,227.5	10,041.0	34.5	89.5	93.51	799.1	1,011.0	697.4	589.4	107.94	6.461	
11,020.0	10,924.1	20,225.8	10,041.1	34.8	89.5	93.98	797.3	1,011.0	788.4	680.7	107.71	7.320	
11,115.0	11,019.1	20,224.0	10,041.1	35.1	89.5	94.44	795.6	1,011.0	880.3	772.7	107.62	8.180	
11,210.0	11,114.1	20,222.3	10,041.1	35.4	89.5	94.91	793.9	1,011.0	972.8	865.2	107.63	9.038	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,360.0	8,265.9	19,261.0	9,069.6	25.8	89.4	-143.27	796.9	427.5	991.8	891.2	100.65	9.854	
8,455.0	8,360.2	19,261.0	9,069.6	26.2	89.4	-142.10	796.9	427.5	906.7	805.0	101.64	8.920	
8,550.0	8,454.8	19,261.0	9,069.6	26.5	89.4	-141.00	796.9	427.5	823.0	720.2	102.80	8.006	
8,645.0	8,549.5	19,261.0	9,069.6	26.8	89.4	-139.99	796.9	427.5	741.5	637.3	104.19	7.117	
8,740.0	8,644.3	19,261.0	9,069.6	27.2	89.4	-139.07	796.9	427.5	662.7	556.9	105.85	6.261	
8,835.0	8,739.2	19,261.0	9,069.6	27.5	89.4	-138.27	796.9	427.5	588.1	480.2	107.87	5.452	
8,930.0	8,834.1	19,261.0	9,069.6	27.8	89.4	-137.60	796.9	427.5	519.2	408.9	110.29	4.708	
9,025.0	8,929.1	19,261.0	9,069.6	28.1	89.4	-137.07	796.9	427.5	458.8	345.7	113.05	4.058	
9,120.0	9,024.1	19,261.0	9,069.6	28.4	89.4	-92.33	796.9	427.5	410.8	295.0	115.84	3.546	
9,215.0	9,119.1	19,261.0	9,069.6	28.8	89.4	-92.33	796.9	427.5	380.8	262.9	117.89	3.230	
9,292.5	9,196.6	19,261.0	9,069.6	29.0	89.4	-92.33	796.9	427.5	372.8	254.5	118.32	3.151	CC, ES, SF
9,310.0	9,214.1	19,261.0	9,069.6	29.1	89.4	-92.33	796.9	427.5	373.2	255.0	118.22	3.157	
9,405.0	9,309.1	19,261.0	9,069.6	29.4	89.4	-92.33	796.9	427.5	389.4	272.8	116.61	3.339	
9,500.0	9,404.1	19,261.0	9,069.6	29.7	89.4	-92.33	796.9	427.5	426.7	312.8	113.88	3.746	
9,595.0	9,499.1	19,261.0	9,069.6	30.0	89.4	-92.33	796.9	427.5	480.1	369.0	111.08	4.322	
9,690.0	9,594.1	19,261.0	9,069.6	30.3	89.4	-92.33	796.9	427.5	544.9	436.2	108.76	5.010	
9,785.0	9,689.1	19,259.2	9,069.7	30.6	89.4	-92.60	795.1	427.5	617.7	510.6	107.02	5.772	
9,880.0	9,784.1	19,256.7	9,069.7	31.0	89.4	-92.98	792.6	427.5	695.8	590.0	105.78	6.578	
9,975.0	9,879.1	19,254.3	9,069.8	31.3	89.4	-93.36	790.2	427.6	777.6	672.7	104.93	7.411	
10,070.0	9,974.1	19,251.8	9,069.9	31.6	89.4	-93.74	787.7	427.6	862.2	757.8	104.38	8.260	
10,165.0	10,069.1	19,249.3	9,069.9	31.9	89.3	-94.11	785.2	427.6	948.7	844.7	104.03	9.119	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	180.00	-45.0	0.0	45.1				
95.0	95.0	92.2	92.2	3.0	3.0	180.00	-45.0	0.0	45.0	39.0	6.00	7.499	
190.0	190.0	187.2	187.2	3.0	3.0	180.00	-45.0	0.0	45.0	39.0	6.01	7.489	
285.0	285.0	282.2	282.2	3.0	3.0	180.00	-45.0	0.0	45.0	39.0	6.03	7.466	
380.0	380.0	377.2	377.2	3.0	3.0	180.00	-45.0	0.0	45.0	38.9	6.06	7.430	
475.0	475.0	472.2	472.2	3.0	3.0	180.00	-45.0	0.0	45.0	38.9	6.10	7.382	
570.0	570.0	567.2	567.2	3.1	3.1	180.00	-45.0	0.0	45.0	38.9	6.15	7.323	
665.0	665.0	662.2	662.2	3.1	3.1	180.00	-45.0	0.0	45.0	38.8	6.20	7.253	
760.0	760.0	757.2	757.2	3.1	3.1	180.00	-45.0	0.0	45.0	38.7	6.27	7.174	
855.0	855.0	852.2	852.2	3.2	3.2	180.00	-45.0	0.0	45.0	38.6	6.35	7.086	
950.0	950.0	947.2	947.2	3.2	3.2	180.00	-45.0	0.0	45.0	38.6	6.44	6.991	
1,045.0	1,045.0	1,042.2	1,042.2	3.3	3.3	180.00	-45.0	0.0	45.0	38.5	6.53	6.890	
1,140.0	1,140.0	1,137.2	1,137.2	3.3	3.3	180.00	-45.0	0.0	45.0	38.4	6.63	6.783	
1,235.0	1,235.0	1,232.2	1,232.2	3.4	3.4	180.00	-45.0	0.0	45.0	38.3	6.74	6.672	
1,330.0	1,330.0	1,327.2	1,327.2	3.4	3.4	180.00	-45.0	0.0	45.0	38.1	6.86	6.557	
1,425.0	1,425.0	1,422.2	1,422.2	3.5	3.5	180.00	-45.0	0.0	45.0	38.0	6.99	6.440	
1,520.0	1,520.0	1,517.4	1,517.4	3.6	3.6	179.94	-45.0	0.0	45.0	37.9	7.12	6.318	
1,615.0	1,615.0	1,613.1	1,613.1	3.6	3.6	177.59	-43.7	1.8	43.8	36.5	7.24	6.048	
1,710.0	1,710.0	1,708.7	1,708.5	3.7	3.7	171.25	-40.7	6.3	41.2	33.9	7.33	5.620	
1,805.0	1,805.0	1,803.8	1,803.3	3.8	3.7	115.87	-35.9	13.3	38.5	31.2	7.33	5.253	
1,877.4	1,877.4	1,876.1	1,875.1	3.9	3.8	106.42	-31.0	20.3	37.8	30.6	7.25	5.212 CC, ES	
1,900.0	1,899.9	1,898.6	1,897.4	4.0	3.8	103.43	-29.3	22.8	37.9	30.7	7.20	5.259	
1,995.0	1,994.7	1,993.2	1,990.8	4.6	3.8	91.23	-21.0	34.9	39.7	32.5	7.14	5.556	
2,090.0	2,089.2	2,087.4	2,083.3	5.2	3.9	80.71	-11.0	49.5	43.6	36.3	7.31	5.965	
2,185.0	2,183.3	2,181.4	2,175.0	5.8	4.0	72.44	0.7	66.5	49.3	41.6	7.72	6.391	
2,280.0	2,277.0	2,275.3	2,265.9	6.0	4.0	66.25	14.0	85.9	56.3	48.2	8.10	6.953	
2,375.0	2,370.6	2,369.9	2,357.3	6.2	4.1	61.51	27.8	106.1	64.0	55.5	8.46	7.561	
2,470.0	2,464.1	2,464.5	2,448.6	6.3	4.2	57.79	41.7	126.2	72.0	63.1	8.84	8.143	
2,565.0	2,557.7	2,559.0	2,540.0	6.5	4.2	54.83	55.5	146.4	80.2	71.0	9.22	8.700	
2,660.0	2,651.2	2,653.6	2,631.3	6.7	4.3	52.42	69.4	166.6	88.6	79.0	9.60	9.232	
2,755.0	2,744.8	2,748.1	2,722.6	6.9	4.4	50.44	83.3	186.8	97.2	87.2	9.98	9.738	
2,850.0	2,838.4	2,842.7	2,814.0	7.2	4.5	48.78	97.1	206.9	105.8	95.5	10.36	10.213	
2,945.0	2,931.9	2,937.3	2,905.3	7.4	4.6	47.37	111.0	227.1	114.6	103.8	10.75	10.660	
3,040.0	3,025.5	3,031.8	2,996.6	7.6	4.7	46.15	124.8	247.3	123.3	112.2	11.13	11.077	
3,135.0	3,119.0	3,126.4	3,088.0	7.9	4.8	45.10	138.7	267.5	132.2	120.6	11.53	11.466	
3,230.0	3,212.6	3,220.9	3,179.3	8.2	4.9	44.19	152.5	287.7	141.0	129.1	11.92	11.828	
3,325.0	3,306.1	3,315.5	3,270.6	8.4	5.0	43.38	166.4	307.8	149.9	137.6	12.32	12.165	
3,420.0	3,399.7	3,410.1	3,362.0	8.7	5.1	42.66	180.2	328.0	158.8	146.1	12.73	12.479	
3,515.0	3,493.3	3,504.6	3,453.3	9.0	5.2	42.02	194.1	348.2	167.8	154.7	13.14	12.771	
3,610.0	3,586.8	3,599.2	3,544.7	9.3	5.3	41.44	208.0	368.4	176.8	163.2	13.55	13.042	
3,705.0	3,680.4	3,693.7	3,636.0	9.6	5.4	40.92	221.8	388.6	185.7	171.8	13.97	13.295	
3,800.0	3,773.9	3,788.3	3,727.3	9.8	5.5	40.45	235.7	408.7	194.7	180.3	14.39	13.530	
3,895.0	3,867.5	3,882.9	3,818.7	10.1	5.6	40.01	249.5	428.9	203.7	188.9	14.82	13.750	
3,990.0	3,961.0	3,977.4	3,910.0	10.4	5.7	39.62	263.4	449.1	212.8	197.5	15.25	13.954	
4,085.0	4,054.6	4,072.0	4,001.3	10.8	5.9	39.26	277.2	469.3	221.8	206.1	15.68	14.145	
4,180.0	4,148.1	4,166.5	4,092.7	11.1	6.0	38.92	291.1	489.4	230.8	214.7	16.11	14.324	
4,275.0	4,241.7	4,261.1	4,184.0	11.4	6.1	38.61	305.0	509.6	239.9	223.3	16.55	14.491	
4,370.0	4,335.3	4,355.7	4,275.4	11.7	6.3	38.33	318.8	529.8	248.9	231.9	16.99	14.647	
4,465.0	4,428.8	4,450.2	4,366.7	12.0	6.4	38.06	332.7	550.0	258.0	240.5	17.44	14.794	
4,560.0	4,522.4	4,544.8	4,458.0	12.3	6.5	37.81	346.5	570.2	267.0	249.1	17.88	14.931	
4,655.0	4,615.9	4,639.3	4,549.4	12.6	6.7	37.58	360.4	590.3	276.1	257.8	18.33	15.060	
4,750.0	4,709.5	4,733.9	4,640.7	13.0	6.8	37.36	374.2	610.5	285.2	266.4	18.78	15.181	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	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
4,845.0	4,803.0	4,828.5	4,732.0	13.3	7.0	37.16	388.1	630.7	294.2	275.0	19.24	15.294	
4,940.0	4,896.6	4,923.0	4,823.4	13.6	7.1	36.97	402.0	650.9	303.3	283.6	19.69	15.402	
5,035.0	4,990.2	5,017.6	4,914.7	13.9	7.3	36.79	415.8	671.1	312.4	292.2	20.15	15.503	
5,130.0	5,083.7	5,112.2	5,006.1	14.3	7.5	36.61	429.7	691.2	321.5	300.9	20.61	15.598	
5,225.0	5,177.3	5,206.7	5,097.4	14.6	7.6	36.45	443.5	711.4	330.5	309.5	21.07	15.688	
5,320.0	5,270.8	5,301.3	5,188.7	14.9	7.8	36.30	457.4	731.6	339.6	318.1	21.53	15.773	
5,415.0	5,364.4	5,395.8	5,280.1	15.3	8.0	36.16	471.2	751.8	348.7	326.7	22.00	15.853	
5,510.0	5,457.9	5,490.4	5,371.4	15.6	8.1	36.02	485.1	771.9	357.8	335.3	22.46	15.929	
5,605.0	5,551.5	5,585.0	5,462.7	15.9	8.3	35.89	498.9	792.1	366.9	344.0	22.93	16.001	
5,700.0	5,645.1	5,679.5	5,554.1	16.3	8.5	35.76	512.8	812.3	376.0	352.6	23.40	16.069	
5,795.0	5,738.6	5,774.1	5,645.4	16.6	8.7	35.65	526.7	832.5	385.1	361.2	23.87	16.134	
5,890.0	5,832.2	5,868.6	5,736.8	16.9	8.9	35.53	540.5	852.7	394.2	369.8	24.34	16.195	
5,985.0	5,925.7	5,963.2	5,828.1	17.3	9.1	35.43	554.4	872.8	403.3	378.5	24.81	16.253	
6,080.0	6,019.3	6,057.8	5,919.4	17.6	9.3	35.32	568.2	893.0	412.4	387.1	25.29	16.308	
6,175.0	6,112.8	6,152.3	6,010.8	18.0	9.5	35.22	582.1	913.2	421.5	395.7	25.76	16.360	
6,270.0	6,206.4	6,246.9	6,102.1	18.3	9.7	35.13	595.9	933.4	430.6	404.4	26.24	16.410	
6,365.0	6,300.0	6,341.4	6,193.4	18.6	9.9	35.04	609.8	953.6	439.7	413.0	26.72	16.458	
6,460.0	6,393.5	6,436.0	6,284.8	19.0	10.1	34.95	623.7	973.7	448.8	421.6	27.20	16.503	
6,555.0	6,487.1	6,530.6	6,376.1	19.3	10.4	34.87	637.5	993.9	457.9	430.2	27.67	16.546	
6,650.0	6,580.6	6,628.9	6,471.2	19.7	10.6	34.80	651.8	1,014.7	466.8	438.7	28.17	16.570	
6,745.0	6,674.2	6,731.3	6,570.5	20.0	10.8	34.80	665.8	1,035.1	474.4	445.7	28.69	16.537	
6,840.0	6,767.7	6,833.9	6,670.5	20.3	11.0	34.90	678.8	1,054.1	480.4	451.2	29.20	16.454	
6,935.0	6,861.3	6,936.7	6,771.1	20.7	11.2	35.08	690.8	1,071.6	484.9	455.2	29.70	16.324	
7,030.0	6,954.9	7,039.6	6,872.1	21.0	11.4	35.35	701.9	1,087.6	487.8	457.6	30.21	16.149	
7,125.0	7,048.4	7,142.5	6,973.5	21.4	11.6	35.71	711.8	1,102.2	489.2	458.5	30.71	15.931	
7,220.0	7,142.0	7,245.4	7,075.2	21.7	11.8	36.16	720.8	1,115.2	489.1	457.9	31.20	15.674	
7,315.0	7,235.5	7,348.2	7,177.0	22.1	11.9	36.70	728.7	1,126.7	487.4	455.7	31.69	15.380	
7,410.0	7,329.1	7,450.8	7,278.9	22.4	12.1	37.34	735.6	1,136.7	484.3	452.1	32.18	15.050	
7,505.0	7,422.6	7,553.2	7,380.8	22.7	12.2	38.09	741.4	1,145.2	479.7	447.0	32.66	14.688	
7,600.0	7,516.2	7,655.3	7,482.5	23.1	12.3	38.95	746.2	1,152.1	473.7	440.5	33.13	14.296	
7,695.0	7,609.8	7,757.1	7,584.1	23.4	12.4	39.95	749.9	1,157.6	466.3	432.7	33.60	13.877	
7,790.0	7,703.3	7,858.4	7,685.3	23.8	12.4	41.08	752.6	1,161.5	457.6	423.5	34.06	13.435	
7,885.0	7,796.9	7,959.3	7,786.1	24.1	12.5	42.37	754.3	1,164.0	447.6	413.1	34.51	12.970	
7,980.0	7,890.4	8,059.6	7,886.4	24.5	12.5	43.84	755.0	1,165.0	436.4	401.5	34.95	12.489	
8,075.0	7,984.0	8,154.3	7,981.2	24.8	12.5	45.38	755.0	1,165.0	424.6	389.3	35.36	12.010	
8,170.0	8,077.7	8,248.0	8,074.9	25.2	12.6	46.82	755.0	1,165.0	413.8	378.0	35.76	11.572	
8,265.0	8,171.7	8,342.0	8,168.9	25.5	12.7	48.18	755.0	1,165.0	404.3	368.1	36.16	11.180	
8,360.0	8,265.9	8,436.2	8,263.1	25.8	12.7	49.45	755.0	1,165.0	396.1	359.5	36.56	10.834	
8,455.0	8,360.2	8,530.6	8,357.4	26.2	12.8	50.61	755.0	1,165.0	389.1	352.1	36.96	10.529	
8,550.0	8,454.8	8,625.1	8,452.0	26.5	12.8	51.63	755.0	1,165.0	383.3	345.9	37.34	10.263	
8,645.0	8,549.5	8,719.8	8,546.7	26.8	12.9	52.50	755.0	1,165.0	378.5	340.8	37.73	10.033	
8,740.0	8,644.3	8,814.6	8,641.5	27.2	13.0	53.22	755.0	1,165.0	374.8	336.7	38.10	9.837	
8,835.0	8,739.2	8,909.5	8,736.4	27.5	13.0	53.76	755.0	1,165.0	372.1	333.6	38.47	9.672	
8,930.0	8,834.1	9,004.5	8,831.3	27.8	13.1	54.12	755.0	1,165.0	370.3	331.5	38.83	9.536	
9,025.0	8,929.1	9,099.4	8,926.3	28.1	13.2	54.29	755.0	1,165.0	369.5	330.3	39.19	9.429	
9,119.5	9,023.6	9,193.9	9,020.8	28.4	13.2	54.90	755.0	1,165.0	369.3	329.8	39.52	9.344	
9,120.0	9,024.1	9,194.4	9,021.3	28.4	13.2	54.90	755.0	1,165.0	369.4	329.9	39.52	9.347	
9,215.0	9,119.1	9,289.4	9,116.3	28.8	13.3	55.88	755.0	1,165.0	369.4	329.6	39.86	9.268	
9,310.0	9,214.1	9,384.4	9,211.3	29.1	13.4	56.88	755.0	1,165.0	369.4	329.2	40.20	9.189	
9,405.0	9,309.1	9,479.4	9,306.3	29.4	13.5	57.88	755.0	1,165.0	369.4	328.9	40.54	9.111	
9,500.0	9,404.1	9,574.4	9,401.3	29.7	13.5	58.88	755.0	1,165.0	369.4	328.5	40.89	9.035	
9,595.0	9,499.1	9,669.4	9,496.3	30.0	13.6	59.88	755.0	1,165.0	369.4	328.2	41.23	8.960	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	Highside	Distance				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	9,594.1	9,764.4	9,591.3	30.3	13.7	98.88	755.0	1,165.0	369.4	327.8	41.58	8.885	
9,785.0	9,689.1	9,859.4	9,686.3	30.6	13.8	98.88	755.0	1,165.0	369.4	327.5	41.92	8.812	
9,880.0	9,784.1	9,954.4	9,781.3	31.0	13.8	98.88	755.0	1,165.0	369.4	327.2	42.27	8.740	
9,975.0	9,879.1	10,049.4	9,876.3	31.3	13.9	98.88	755.0	1,165.0	369.4	326.8	42.62	8.669	
10,070.0	9,974.1	10,144.4	9,971.3	31.6	14.0	98.88	755.0	1,165.0	369.4	326.5	42.97	8.598	
10,165.0	10,069.1	10,239.4	10,066.3	31.9	14.1	98.88	755.0	1,165.0	369.4	326.1	43.31	8.529	
10,260.0	10,164.1	10,334.4	10,161.3	32.2	14.2	98.88	755.0	1,165.0	369.4	325.8	43.66	8.461	
10,355.0	10,259.1	10,429.4	10,256.3	32.5	14.3	98.88	755.0	1,165.0	369.4	325.4	44.02	8.393	
10,450.0	10,354.1	10,524.4	10,351.3	32.9	14.4	98.88	755.0	1,165.0	369.4	325.1	44.37	8.327	
10,545.0	10,449.1	10,619.4	10,446.3	33.2	14.5	98.88	755.0	1,165.0	369.4	324.7	44.72	8.261	
10,640.0	10,544.1	10,714.4	10,541.3	33.5	14.5	98.88	755.0	1,165.0	369.4	324.4	45.07	8.196	
10,735.0	10,639.1	10,809.4	10,636.3	33.8	14.6	98.88	755.0	1,165.0	369.4	324.0	45.43	8.132	
10,830.0	10,734.1	10,904.4	10,731.3	34.1	14.7	98.88	755.0	1,165.0	369.4	323.6	45.78	8.069	
10,925.0	10,829.1	10,999.4	10,826.3	34.5	14.8	98.88	755.0	1,165.0	369.4	323.3	46.14	8.007	
11,020.0	10,924.1	11,094.4	10,921.3	34.8	14.9	98.88	755.0	1,165.0	369.4	322.9	46.49	7.946	
11,115.0	11,019.1	11,189.4	11,016.3	35.1	15.0	98.88	755.0	1,165.0	369.4	322.6	46.85	7.885	
11,210.0	11,114.1	11,284.4	11,111.3	35.4	15.1	98.88	755.0	1,165.0	369.4	322.2	47.21	7.826	
11,305.0	11,209.1	11,379.4	11,206.3	35.7	15.2	98.88	755.0	1,165.0	369.4	321.9	47.56	7.767	
11,400.0	11,304.1	11,474.4	11,301.3	36.1	15.3	98.88	755.0	1,165.0	369.4	321.5	47.92	7.709	
11,495.0	11,399.1	11,569.4	11,396.3	36.4	15.4	98.88	755.0	1,165.0	369.4	321.1	48.28	7.651	
11,590.0	11,494.1	11,664.4	11,491.3	36.7	15.5	98.88	755.0	1,165.0	369.4	320.8	48.64	7.595	
11,685.0	11,589.1	11,759.4	11,586.3	37.0	15.6	98.88	755.0	1,165.0	369.4	320.4	49.00	7.539	
11,780.0	11,684.1	11,854.4	11,681.3	37.2	15.7	-62.08	755.0	1,165.0	369.4	320.2	49.22	7.505	
11,875.0	11,778.3	11,948.7	11,775.5	37.2	15.8	-64.09	755.0	1,165.0	364.5	315.2	49.25	7.400	
11,970.0	11,868.6	12,038.9	11,865.8	37.2	15.9	-69.52	755.0	1,165.0	352.5	303.2	49.29	7.150	
12,065.0	11,951.3	12,121.6	11,948.5	37.2	16.0	-77.74	755.0	1,165.0	337.7	288.3	49.44	6.831	
12,160.0	12,023.2	12,195.1	12,021.7	37.2	16.1	-86.55	749.9	1,166.1	327.2	277.4	49.76	6.575	
12,224.9	12,064.6	12,249.0	12,074.5	37.2	16.2	-92.76	739.3	1,168.4	324.9	274.9	49.98	6.501	
12,255.0	12,081.4	12,275.5	12,099.8	37.2	16.2	-95.67	731.9	1,170.0	325.4	275.3	50.06	6.500	
12,350.0	12,123.7	12,366.9	12,183.5	37.3	16.3	-104.95	696.2	1,177.7	333.9	283.6	50.30	6.639	
12,445.0	12,148.4	12,476.7	12,272.5	37.3	16.5	-114.50	633.8	1,191.3	352.1	301.5	50.62	6.955	
12,540.0	12,154.8	12,617.6	12,361.4	37.4	16.6	-125.07	527.7	1,214.3	375.9	324.7	51.19	7.344	
12,635.0	12,154.8	12,815.0	12,425.3	37.5	16.8	-134.44	346.6	1,253.5	390.5	338.3	52.22	7.479	
12,730.0	12,154.8	12,951.5	12,429.0	37.6	16.9	-135.82	213.1	1,281.4	386.7	333.8	52.91	7.309	
12,825.0	12,154.8	13,056.0	12,429.0	37.8	16.9	-136.60	110.1	1,298.9	381.8	328.3	53.44	7.144	
12,920.0	12,154.8	13,160.1	12,429.0	37.9	17.0	-137.43	6.9	1,312.6	376.7	322.7	54.03	6.972	
13,015.0	12,154.8	13,263.9	12,429.0	38.1	17.1	-138.32	-96.4	1,322.5	371.5	316.8	54.66	6.796	
13,110.0	12,154.8	13,367.3	12,429.0	38.3	17.1	-139.26	-199.7	1,328.7	366.2	310.9	55.31	6.620	
13,205.0	12,154.8	13,470.4	12,429.0	38.5	17.2	-140.27	-302.8	1,331.1	360.8	304.8	55.97	6.446	
13,300.0	12,154.8	13,565.0	12,429.0	38.7	17.3	-141.04	-397.4	1,331.7	356.5	300.0	56.48	6.312	
13,395.0	12,154.8	13,660.0	12,429.0	38.8	17.5	-141.46	-492.3	1,332.3	354.2	297.2	57.01	6.212	
13,490.0	12,154.8	13,754.9	12,429.0	39.0	17.7	-141.59	-587.2	1,332.9	353.5	296.0	57.52	6.145	
13,490.0	12,154.8	13,755.0	12,429.0	39.0	17.7	-141.54	-587.3	1,332.9	353.7	296.2	57.52	6.149	
13,585.0	12,154.8	13,850.0	12,429.0	39.2	18.0	-141.54	-682.3	1,333.4	353.7	295.7	58.06	6.093	
13,680.0	12,154.8	13,945.0	12,429.0	39.4	18.3	-141.54	-777.3	1,334.0	353.7	295.1	58.63	6.034	
13,775.0	12,154.8	14,040.0	12,429.0	39.5	18.8	-141.54	-872.3	1,334.6	353.7	294.5	59.23	5.972	
13,870.0	12,154.8	14,135.0	12,429.0	39.7	19.3	-141.54	-967.3	1,335.2	353.7	293.9	59.86	5.909	
13,965.0	12,154.8	14,230.0	12,429.0	39.9	19.8	-141.54	-1,062.3	1,335.8	353.7	293.2	60.52	5.845	
14,060.0	12,154.8	14,325.0	12,429.0	40.2	20.3	-141.54	-1,157.3	1,336.3	353.7	292.5	61.21	5.779	
14,155.0	12,154.8	14,420.0	12,429.0	40.4	20.8	-141.54	-1,252.3	1,336.9	353.7	291.8	61.93	5.712	
14,250.0	12,154.8	14,515.0	12,429.0	40.6	21.4	-141.54	-1,347.3	1,337.5	353.7	291.1	62.67	5.644	
14,345.0	12,154.8	14,610.0	12,429.0	40.9	21.9	-141.54	-1,442.3	1,338.1	353.7	290.3	63.44	5.576	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	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	
14,440.0	12,154.8	14,705.0	12,429.0	41.1	22.5	-141.54	-1,537.3	1,338.7	353.7	289.5	64.23	5.507	
14,535.0	12,154.8	14,800.0	12,429.0	41.4	23.1	-141.54	-1,632.3	1,339.2	353.7	288.7	65.05	5.438	
14,630.0	12,154.8	14,895.0	12,429.0	41.7	23.7	-141.54	-1,727.3	1,339.8	353.7	287.8	65.89	5.369	
14,725.0	12,154.8	14,990.0	12,429.0	42.0	24.3	-141.54	-1,822.3	1,340.4	353.7	287.0	66.75	5.299	
14,820.0	12,154.8	15,085.0	12,429.0	42.3	24.9	-141.54	-1,917.3	1,341.0	353.7	286.1	67.63	5.230	
14,915.0	12,154.8	15,180.0	12,429.0	42.6	25.5	-141.54	-2,012.3	1,341.6	353.7	285.2	68.53	5.161	
15,010.0	12,154.8	15,275.0	12,429.0	42.9	26.1	-141.54	-2,107.3	1,342.1	353.7	284.3	69.46	5.093	
15,105.0	12,154.8	15,370.0	12,429.0	43.3	26.8	-141.54	-2,202.3	1,342.7	353.7	283.3	70.40	5.025	
15,200.0	12,154.8	15,465.0	12,429.0	43.6	27.4	-141.54	-2,297.3	1,343.3	353.7	282.4	71.35	4.957	
15,295.0	12,154.8	15,560.0	12,429.0	44.0	28.0	-141.54	-2,392.3	1,343.9	353.7	281.4	72.33	4.890	
15,390.0	12,154.8	15,655.0	12,429.0	44.3	28.7	-141.54	-2,487.2	1,344.5	353.7	280.4	73.32	4.824	
15,485.0	12,154.8	15,750.0	12,429.0	44.7	29.3	-141.54	-2,582.2	1,345.0	353.7	279.4	74.33	4.759	
15,580.0	12,154.8	15,845.0	12,429.0	45.1	29.9	-141.54	-2,677.2	1,345.6	353.7	278.4	75.35	4.694	
15,675.0	12,154.8	15,940.0	12,429.0	45.5	30.6	-141.54	-2,772.2	1,346.2	353.7	277.3	76.39	4.630	
15,770.0	12,154.8	16,035.0	12,429.0	45.9	31.3	-141.54	-2,867.2	1,346.8	353.7	276.3	77.44	4.568	
15,865.0	12,154.8	16,130.0	12,429.0	46.3	31.9	-141.54	-2,962.2	1,347.4	353.7	275.2	78.51	4.506	
15,960.0	12,154.8	16,225.0	12,429.0	46.7	32.6	-141.54	-3,057.2	1,347.9	353.7	274.1	79.59	4.445	
16,055.0	12,154.8	16,320.0	12,429.0	47.1	33.2	-141.54	-3,152.2	1,348.5	353.7	273.1	80.68	4.384	
16,150.0	12,154.8	16,415.0	12,429.0	47.5	33.9	-141.54	-3,247.2	1,349.1	353.7	271.9	81.78	4.325	
16,245.0	12,154.8	16,510.0	12,429.0	48.0	34.6	-141.54	-3,342.2	1,349.7	353.7	270.8	82.89	4.267	
16,340.0	12,154.8	16,605.0	12,429.0	48.4	35.2	-141.54	-3,437.2	1,350.3	353.7	269.7	84.02	4.210	
16,435.0	12,154.8	16,700.0	12,429.0	48.8	35.9	-141.54	-3,532.2	1,350.8	353.7	268.6	85.15	4.154	
16,530.0	12,154.8	16,795.0	12,429.0	49.3	36.6	-141.54	-3,627.2	1,351.4	353.7	267.4	86.30	4.099	
16,625.0	12,154.8	16,890.0	12,429.0	49.8	37.3	-141.54	-3,722.2	1,352.0	353.7	266.3	87.46	4.045	
16,720.0	12,154.8	16,985.0	12,429.0	50.2	37.9	-141.54	-3,817.2	1,352.6	353.7	265.1	88.62	3.992	
16,815.0	12,154.8	17,080.0	12,429.0	50.7	38.6	-141.54	-3,912.2	1,353.2	353.7	263.9	89.79	3.939	
16,910.0	12,154.8	17,175.0	12,429.0	51.2	39.3	-141.54	-4,007.2	1,353.7	353.7	262.8	90.98	3.888	
17,005.0	12,154.8	17,270.0	12,429.0	51.7	40.0	-141.54	-4,102.2	1,354.3	353.7	261.6	92.17	3.838	
17,100.0	12,154.8	17,365.0	12,429.0	52.2	40.7	-141.54	-4,197.2	1,354.9	353.7	260.4	93.37	3.789	
17,195.0	12,154.8	17,460.0	12,429.0	52.6	41.4	-141.54	-4,292.2	1,355.5	353.7	259.2	94.57	3.740	
17,290.0	12,154.8	17,555.0	12,429.0	53.1	42.0	-141.54	-4,387.2	1,356.1	353.7	257.9	95.79	3.693	
17,385.0	12,154.8	17,650.0	12,429.0	53.7	42.7	-141.54	-4,482.2	1,356.6	353.7	256.7	97.01	3.646	
17,480.0	12,154.8	17,745.0	12,429.0	54.2	43.4	-141.54	-4,577.2	1,357.2	353.7	255.5	98.23	3.601	
17,575.0	12,154.8	17,840.0	12,429.0	54.7	44.1	-141.54	-4,672.2	1,357.8	353.7	254.3	99.47	3.556	
17,670.0	12,154.8	17,935.0	12,429.0	55.2	44.8	-141.54	-4,767.2	1,358.4	353.7	253.0	100.71	3.512	
17,765.0	12,154.8	18,030.0	12,429.0	55.7	45.5	-141.54	-4,862.2	1,359.0	353.7	251.8	101.96	3.469	
17,860.0	12,154.8	18,125.0	12,429.0	56.3	46.2	-141.54	-4,957.2	1,359.5	353.7	250.5	103.21	3.427	
17,955.0	12,154.8	18,220.0	12,429.0	56.8	46.9	-141.54	-5,052.2	1,360.1	353.7	249.3	104.47	3.386	
18,050.0	12,154.8	18,315.0	12,429.0	57.3	47.6	-141.54	-5,147.2	1,360.7	353.7	248.0	105.73	3.346	
18,145.0	12,154.8	18,410.0	12,429.0	57.9	48.3	-141.54	-5,242.2	1,361.3	353.7	246.7	107.00	3.306	
18,240.0	12,154.8	18,505.0	12,429.0	58.4	49.0	-141.54	-5,337.2	1,361.9	353.7	245.5	108.28	3.267	
18,335.0	12,154.8	18,600.0	12,429.0	59.0	49.7	-141.54	-5,432.2	1,362.4	353.7	244.2	109.56	3.229	
18,430.0	12,154.8	18,695.0	12,429.0	59.5	50.4	-141.54	-5,527.2	1,363.0	353.7	242.9	110.84	3.191	
18,525.0	12,154.8	18,790.0	12,429.0	60.1	51.1	-141.54	-5,622.2	1,363.6	353.7	241.6	112.13	3.155	
18,620.0	12,154.8	18,885.0	12,429.0	60.6	51.8	-141.54	-5,717.2	1,364.2	353.7	240.3	113.42	3.119	
18,715.0	12,154.8	18,980.0	12,429.0	61.2	52.5	-141.54	-5,812.2	1,364.8	353.7	239.0	114.72	3.083	
18,810.0	12,154.8	19,075.0	12,429.0	61.8	53.2	-141.54	-5,907.2	1,365.3	353.7	237.7	116.02	3.049	
18,905.0	12,154.8	19,170.0	12,429.0	62.4	53.9	-141.54	-6,002.2	1,365.9	353.7	236.4	117.33	3.015	
19,000.0	12,154.8	19,265.0	12,429.0	62.9	54.6	-141.54	-6,097.2	1,366.5	353.7	235.1	118.64	2.982	
19,095.0	12,154.8	19,360.0	12,429.0	63.5	55.3	-141.54	-6,192.2	1,367.1	353.7	233.8	119.95	2.949	
19,190.0	12,154.8	19,455.0	12,429.0	64.1	56.0	-141.54	-6,287.2	1,367.7	353.7	232.5	121.27	2.917	
19,285.0	12,154.8	19,550.0	12,429.0	64.7	56.7	-141.54	-6,382.2	1,368.2	353.7	231.1	122.59	2.885	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,380.0	12,154.8	19,645.0	12,429.0	65.3	57.4	-141.54	-6,477.2	1,368.8	353.7	229.8	123.92	2.855		
19,475.0	12,154.8	19,740.0	12,429.0	65.8	58.1	-141.54	-6,572.2	1,369.4	353.7	228.5	125.24	2.824		
19,570.0	12,154.8	19,835.0	12,429.0	66.4	58.8	-141.54	-6,667.2	1,370.0	353.7	227.2	126.58	2.795		
19,665.0	12,154.8	19,930.0	12,429.0	67.0	59.5	-141.54	-6,762.2	1,370.6	353.7	225.8	127.91	2.766		
19,760.0	12,154.8	20,025.0	12,429.0	67.6	60.2	-141.54	-6,857.2	1,371.1	353.7	224.5	129.25	2.737		
19,855.0	12,154.8	20,120.0	12,429.0	68.2	60.9	-141.54	-6,952.2	1,371.7	353.7	223.1	130.59	2.709		
19,950.0	12,154.8	20,215.0	12,429.0	68.8	61.7	-141.54	-7,047.2	1,372.3	353.7	221.8	131.93	2.681		
20,045.0	12,154.8	20,310.0	12,429.0	69.4	62.4	-141.54	-7,142.2	1,372.9	353.7	220.5	133.27	2.654		
20,140.0	12,154.8	20,405.0	12,429.0	70.0	63.1	-141.54	-7,237.2	1,373.5	353.7	219.1	134.62	2.628		
20,235.0	12,154.8	20,500.0	12,429.0	70.7	63.8	-141.54	-7,332.2	1,374.0	353.7	217.8	135.97	2.601		
20,330.0	12,154.8	20,595.0	12,429.0	71.3	64.5	-141.54	-7,427.2	1,374.6	353.7	216.4	137.33	2.576		
20,425.0	12,154.8	20,690.0	12,429.0	71.9	65.2	-141.54	-7,522.2	1,375.2	353.7	215.1	138.68	2.551		
20,520.0	12,154.8	20,785.0	12,429.0	72.5	65.9	-141.54	-7,617.2	1,375.8	353.7	213.7	140.04	2.526		
20,615.0	12,154.8	20,880.0	12,429.0	73.1	66.6	-141.54	-7,712.2	1,376.4	353.7	212.3	141.40	2.502		
20,710.0	12,154.8	20,975.0	12,429.0	73.7	67.3	-141.54	-7,807.1	1,376.9	353.7	211.0	142.76	2.478		
20,805.0	12,154.8	21,070.0	12,429.0	74.4	68.0	-141.54	-7,902.1	1,377.5	353.7	209.6	144.13	2.454		
20,900.0	12,154.8	21,165.0	12,429.0	75.0	68.8	-141.54	-7,997.1	1,378.1	353.7	208.2	145.50	2.431		
20,995.0	12,154.8	21,260.0	12,429.0	75.6	69.5	-141.54	-8,092.1	1,378.7	353.7	206.9	146.87	2.409		
21,090.0	12,154.8	21,355.0	12,429.0	76.2	70.2	-141.54	-8,187.1	1,379.3	353.7	205.5	148.24	2.386		
21,185.0	12,154.8	21,450.0	12,429.0	76.9	70.9	-141.54	-8,282.1	1,379.8	353.7	204.1	149.61	2.364		
21,280.0	12,154.8	21,545.0	12,429.0	77.5	71.6	-141.54	-8,377.1	1,380.4	353.7	202.8	150.99	2.343		
21,375.0	12,154.8	21,640.0	12,429.0	78.1	72.3	-141.54	-8,472.1	1,381.0	353.7	201.4	152.36	2.322		
21,470.0	12,154.8	21,735.0	12,429.0	78.8	73.0	-141.54	-8,567.1	1,381.6	353.7	200.0	153.74	2.301		
21,565.0	12,154.8	21,830.0	12,429.0	79.4	73.7	-141.54	-8,662.1	1,382.2	353.7	198.6	155.12	2.280		
21,660.0	12,154.8	21,925.0	12,429.0	80.0	74.5	-141.54	-8,757.1	1,382.7	353.7	197.2	156.50	2.260		
21,755.0	12,154.8	22,020.0	12,429.0	80.7	75.2	-141.54	-8,852.1	1,383.3	353.7	195.9	157.89	2.240		
21,850.0	12,154.8	22,115.0	12,429.0	81.3	75.9	-141.54	-8,947.1	1,383.9	353.7	194.5	159.27	2.221		
21,945.0	12,154.8	22,210.0	12,429.0	82.0	76.6	-141.54	-9,042.1	1,384.5	353.7	193.1	160.66	2.202		
22,040.0	12,154.8	22,305.0	12,429.0	82.6	77.3	-141.54	-9,137.1	1,385.1	353.7	191.7	162.05	2.183		
22,135.0	12,154.8	22,400.0	12,429.0	83.2	78.0	-141.54	-9,232.1	1,385.6	353.7	190.3	163.44	2.164		
22,230.0	12,154.8	22,495.0	12,429.0	83.9	78.7	-141.54	-9,327.1	1,386.2	353.7	188.9	164.83	2.146		
22,325.0	12,154.8	22,590.0	12,429.0	84.5	79.5	-141.54	-9,422.1	1,386.8	353.7	187.5	166.22	2.128		
22,420.0	12,154.8	22,685.0	12,429.0	85.2	80.2	-141.54	-9,517.1	1,387.4	353.7	186.1	167.62	2.110		
22,515.0	12,154.8	22,780.0	12,429.0	85.8	80.9	-141.54	-9,612.1	1,388.0	353.7	184.7	169.01	2.093		
22,610.0	12,154.8	22,875.0	12,429.0	86.5	81.6	-141.54	-9,707.1	1,388.5	353.7	183.3	170.41	2.076		
22,612.9	12,154.8	22,877.8	12,429.0	86.5	81.6	-141.54	-9,710.0	1,388.6	353.7	183.3	170.45	2.075		
22,636.6	12,154.8	22,901.5	12,429.0	86.7	81.8	-141.54	-9,733.6	1,388.7	353.7	182.9	170.79	2.071 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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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 #702H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 11723-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	-90.38	-0.2	-30.0	30.1				
95.0	95.0	92.7	92.7	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.00	5.000	
190.0	190.0	187.7	187.7	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.00	4.998	
285.0	285.0	282.7	282.7	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.01	4.994	
380.0	380.0	377.7	377.7	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.02	4.987	
475.0	475.0	472.7	472.7	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.03	4.978	
570.0	570.0	567.7	567.7	3.1	3.1	-90.38	-0.2	-30.0	30.0	24.0	6.04	4.966	
665.0	665.0	662.7	662.7	3.1	3.1	-90.38	-0.2	-30.0	30.0	23.9	6.06	4.952	
760.0	760.0	757.7	757.7	3.1	3.1	-90.38	-0.2	-30.0	30.0	23.9	6.08	4.936	
855.0	855.0	852.7	852.7	3.2	3.2	-90.38	-0.2	-30.0	30.0	23.9	6.10	4.918	
950.0	950.0	947.7	947.7	3.2	3.2	-90.38	-0.2	-30.0	30.0	23.9	6.13	4.898	
1,045.0	1,045.0	1,042.7	1,042.7	3.3	3.3	-90.38	-0.2	-30.0	30.0	23.8	6.15	4.875	
1,140.0	1,140.0	1,137.7	1,137.7	3.3	3.3	-90.38	-0.2	-30.0	30.0	23.8	6.18	4.851	
1,235.0	1,235.0	1,232.7	1,232.7	3.4	3.4	-90.38	-0.2	-30.0	30.0	23.8	6.22	4.825	
1,330.0	1,330.0	1,327.7	1,327.7	3.4	3.4	-90.38	-0.2	-30.0	30.0	23.7	6.25	4.797	
1,425.0	1,425.0	1,422.7	1,422.7	3.5	3.5	-90.38	-0.2	-30.0	30.0	23.7	6.29	4.767	
1,520.0	1,520.0	1,517.7	1,517.7	3.6	3.6	-90.28	-0.1	-30.0	30.0	23.7	6.33	4.736	
1,603.6	1,603.6	1,601.4	1,601.3	3.6	3.6	-86.96	1.6	-29.9	29.9	23.6	6.38	4.698 CC	
1,615.0	1,615.0	1,612.7	1,612.7	3.6	3.6	-86.14	2.0	-29.9	30.0	23.6	6.38	4.693 ES, SF	
1,710.0	1,710.0	1,707.5	1,707.3	3.7	3.7	-76.15	7.3	-29.6	30.5	24.0	6.48	4.704	
1,805.0	1,805.0	1,801.8	1,801.2	3.8	3.8	-107.16	15.7	-29.2	33.3	26.6	6.71	4.958	
1,900.0	1,899.9	1,895.8	1,894.5	4.0	3.8	-96.56	27.1	-28.6	39.7	32.7	7.00	5.673	
1,995.0	1,994.7	1,990.0	1,987.7	4.6	3.9	-90.61	40.8	-27.8	48.7	41.5	7.24	6.726	
2,090.0	2,089.2	2,084.5	2,081.2	5.2	4.0	-89.47	54.8	-27.1	58.0	50.6	7.43	7.804	
2,185.0	2,183.3	2,179.0	2,174.7	5.8	4.1	-91.28	68.7	-26.3	67.3	59.7	7.65	8.802	
2,280.0	2,277.0	2,273.4	2,268.0	6.0	4.1	-94.90	82.7	-25.6	76.9	69.0	7.89	9.750	
2,375.0	2,370.6	2,367.8	2,361.3	6.2	4.2	-98.29	96.6	-24.9	86.9	78.7	8.17	10.640	
2,470.0	2,464.1	2,462.1	2,454.7	6.3	4.3	-100.98	110.5	-24.1	97.1	88.6	8.48	11.453	
2,565.0	2,557.7	2,556.5	2,548.0	6.5	4.4	-103.15	124.4	-23.4	107.4	98.6	8.80	12.204	
2,660.0	2,651.2	2,650.8	2,641.3	6.7	4.5	-104.94	138.4	-22.6	117.9	108.8	9.14	12.904	
2,755.0	2,744.8	2,745.2	2,734.6	6.9	4.6	-106.44	152.3	-21.9	128.5	119.0	9.48	13.554	
2,850.0	2,838.4	2,839.5	2,827.9	7.2	4.7	-107.71	166.2	-21.2	139.2	129.3	9.83	14.157	
2,945.0	2,931.9	2,933.9	2,921.3	7.4	4.8	-108.79	180.2	-20.4	149.9	139.7	10.19	14.715	
3,040.0	3,025.5	3,028.2	3,014.6	7.6	4.9	-109.74	194.1	-19.7	160.6	150.1	10.55	15.232	
3,135.0	3,119.0	3,122.6	3,107.9	7.9	4.9	-110.56	208.0	-18.9	171.4	160.5	10.91	15.710	
3,230.0	3,212.6	3,217.0	3,201.2	8.2	5.0	-111.29	221.9	-18.2	182.3	171.0	11.28	16.152	
3,325.0	3,306.1	3,311.3	3,294.5	8.4	5.1	-111.93	235.9	-17.5	193.1	181.5	11.66	16.561	
3,420.0	3,399.7	3,405.7	3,387.8	8.7	5.2	-112.51	249.8	-16.7	204.0	192.0	12.04	16.939	
3,515.0	3,493.3	3,500.0	3,481.2	9.0	5.3	-113.03	263.7	-16.0	214.9	202.5	12.43	17.289	
3,610.0	3,586.8	3,594.4	3,574.5	9.3	5.4	-113.49	277.7	-15.2	225.8	213.0	12.82	17.613	
3,705.0	3,680.4	3,688.7	3,667.8	9.6	5.5	-113.92	291.6	-14.5	236.7	223.5	13.22	17.913	
3,800.0	3,773.9	3,783.1	3,761.1	9.8	5.6	-114.30	305.5	-13.8	247.7	234.1	13.61	18.191	
3,895.0	3,867.5	3,877.4	3,854.4	10.1	5.7	-114.66	319.4	-13.0	258.6	244.6	14.02	18.449	
3,990.0	3,961.0	3,971.8	3,947.7	10.4	5.8	-114.98	333.4	-12.3	269.6	255.1	14.43	18.687	
4,085.0	4,054.6	4,066.1	4,041.1	10.8	5.9	-115.28	347.3	-11.5	280.5	265.7	14.84	18.909	
4,180.0	4,148.1	4,160.5	4,134.4	11.1	6.1	-115.56	361.2	-10.8	291.5	276.3	15.25	19.114	
4,275.0	4,241.7	4,254.9	4,227.7	11.4	6.2	-115.82	375.2	-10.1	302.5	286.8	15.67	19.305	
4,370.0	4,335.3	4,349.2	4,321.0	11.7	6.3	-116.06	389.1	-9.3	313.5	297.4	16.09	19.483	
4,465.0	4,428.8	4,443.6	4,414.3	12.0	6.4	-116.28	403.0	-8.6	324.5	307.9	16.51	19.648	
4,560.0	4,522.4	4,537.9	4,507.7	12.3	6.5	-116.49	416.9	-7.8	335.4	318.5	16.94	19.801	
4,655.0	4,615.9	4,632.3	4,601.0	12.6	6.6	-116.69	430.9	-7.1	346.4	329.1	17.37	19.944	
4,750.0	4,709.5	4,726.6	4,694.3	13.0	6.7	-116.87	444.8	-6.4	357.4	339.6	17.80	20.076	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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 #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 11723-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)	Factor	
4,845.0	4,803.0	4,821.0	4,787.6	13.3	6.8	-117.04	458.7	-5.6	368.4	350.2	18.24	20.200	
4,940.0	4,896.6	4,915.3	4,880.9	13.6	6.9	-117.20	472.7	-4.9	379.4	360.8	18.68	20.315	
5,035.0	4,990.2	5,009.7	4,974.2	13.9	7.0	-117.36	486.6	-4.1	390.5	371.3	19.12	20.422	
5,130.0	5,083.7	5,104.0	5,067.6	14.3	7.1	-117.50	500.5	-3.4	401.5	381.9	19.56	20.521	
5,225.0	5,177.3	5,198.4	5,160.9	14.6	7.2	-117.64	514.4	-2.7	412.5	392.5	20.01	20.614	
5,320.0	5,270.8	5,292.8	5,254.2	14.9	7.4	-117.77	528.4	-1.9	423.5	403.0	20.46	20.700	
5,415.0	5,364.4	5,387.1	5,347.5	15.3	7.5	-117.89	542.3	-1.2	434.5	413.6	20.91	20.781	
5,510.0	5,457.9	5,481.5	5,440.8	15.6	7.6	-118.01	556.2	-0.4	445.5	424.2	21.36	20.855	
5,605.0	5,551.5	5,575.8	5,534.1	15.9	7.7	-118.12	570.2	0.3	456.6	434.7	21.82	20.925	
5,700.0	5,645.1	5,670.2	5,627.5	16.3	7.8	-118.23	584.1	1.0	467.6	445.3	22.28	20.990	
5,795.0	5,738.6	5,764.5	5,720.8	16.6	7.9	-118.33	598.0	1.8	478.6	455.9	22.74	21.050	
5,890.0	5,832.2	5,858.9	5,814.1	16.9	8.0	-118.43	612.0	2.5	489.6	466.4	23.20	21.106	
5,985.0	5,925.7	5,953.2	5,907.4	17.3	8.1	-118.52	625.9	3.3	500.7	477.0	23.66	21.158	
6,080.0	6,019.3	6,047.6	6,000.7	17.6	8.3	-118.61	639.8	4.0	511.7	487.6	24.13	21.206	
6,175.0	6,112.8	6,141.9	6,094.1	18.0	8.4	-118.69	653.7	4.7	522.7	498.1	24.60	21.251	
6,270.0	6,206.4	6,236.3	6,187.4	18.3	8.5	-118.77	667.7	5.5	533.7	508.7	25.07	21.293	
6,365.0	6,300.0	6,330.7	6,280.7	18.6	8.6	-118.85	681.6	6.2	544.8	519.2	25.54	21.331	
6,460.0	6,393.5	6,426.9	6,376.0	19.0	8.7	-119.00	695.1	6.9	555.7	529.6	26.02	21.359	
6,555.0	6,487.1	6,523.2	6,471.5	19.3	8.8	-119.31	707.0	7.6	566.2	539.7	26.49	21.378	
6,650.0	6,580.6	6,619.4	6,567.2	19.7	8.9	-119.76	717.2	8.1	576.5	549.5	26.95	21.393	
6,745.0	6,674.2	6,715.6	6,663.0	20.0	9.1	-120.35	725.9	8.6	586.5	559.1	27.40	21.404	
6,840.0	6,767.7	6,811.6	6,758.7	20.3	9.2	-121.08	732.9	9.0	596.3	568.4	27.84	21.415	
6,935.0	6,861.3	6,907.3	6,854.3	20.7	9.3	-121.93	738.4	9.2	605.9	577.6	28.26	21.438	
7,030.0	6,954.9	7,002.9	6,949.8	21.0	9.4	-122.89	742.2	9.4	615.4	586.7	28.66	21.471	
7,125.0	7,048.4	7,098.1	7,044.9	21.4	9.5	-123.97	744.4	9.6	624.9	595.8	29.06	21.503	
7,220.0	7,142.0	7,192.8	7,139.7	21.7	9.6	-125.15	745.1	9.6	634.4	605.0	29.46	21.536	
7,315.0	7,235.5	7,286.4	7,233.2	22.1	9.8	-126.34	745.1	9.6	644.2	614.3	29.85	21.577	
7,410.0	7,329.1	7,379.9	7,326.8	22.4	9.9	-127.49	745.1	9.6	654.2	623.9	30.25	21.627	
7,505.0	7,422.6	7,473.5	7,420.3	22.7	10.0	-128.61	745.1	9.6	664.4	633.8	30.64	21.682	
7,600.0	7,516.2	7,567.0	7,513.9	23.1	10.1	-129.69	745.1	9.6	674.9	643.9	31.04	21.744	
7,695.0	7,609.8	7,660.6	7,607.5	23.4	10.2	-130.74	745.1	9.6	685.7	654.2	31.44	21.811	
7,790.0	7,703.3	7,754.1	7,701.0	23.8	10.3	-131.76	745.1	9.6	696.7	664.8	31.84	21.883	
7,885.0	7,796.9	7,847.7	7,794.6	24.1	10.4	-132.75	745.1	9.6	707.8	675.6	32.23	21.959	
7,980.0	7,890.4	7,941.3	7,888.1	24.5	10.6	-133.71	745.1	9.6	719.2	686.6	32.63	22.039	
8,075.0	7,984.0	8,034.8	7,981.7	24.8	10.7	-134.65	745.1	9.6	730.8	697.8	33.03	22.126	
8,170.0	8,077.7	8,128.5	8,075.4	25.2	10.8	-135.57	745.1	9.6	741.9	708.5	33.42	22.198	
8,265.0	8,171.7	8,222.5	8,169.4	25.5	10.9	-136.38	745.1	9.6	752.0	718.2	33.82	22.237	
8,360.0	8,265.9	8,316.7	8,263.6	25.8	11.0	-137.09	745.1	9.6	761.0	726.8	34.21	22.245	
8,455.0	8,360.2	8,411.1	8,357.9	26.2	11.1	-137.69	745.1	9.6	769.0	734.4	34.60	22.224	
8,550.0	8,454.8	8,505.6	8,452.5	26.5	11.3	-138.20	745.1	9.6	775.9	741.0	34.99	22.174	
8,645.0	8,549.5	8,600.3	8,547.2	26.8	11.4	-138.61	745.1	9.6	781.7	746.3	35.38	22.095	
8,740.0	8,644.3	8,695.1	8,642.0	27.2	11.5	-138.94	745.1	9.6	786.3	750.6	35.76	21.989	
8,835.0	8,739.2	8,790.0	8,736.9	27.5	11.6	-139.18	745.1	9.6	789.8	753.7	36.14	21.854	
8,930.0	8,834.1	8,884.9	8,831.8	27.8	11.7	-139.33	745.1	9.6	792.1	755.5	36.51	21.692	
9,025.0	8,929.1	8,979.9	8,926.8	28.1	11.9	-139.41	745.1	9.6	793.1	756.3	36.88	21.505	
9,120.0	9,024.1	9,074.9	9,021.8	28.4	12.0	-94.84	745.1	9.6	793.2	756.0	37.23	21.303	
9,215.0	9,119.1	9,169.9	9,116.8	28.8	12.1	-94.84	745.1	9.6	793.2	755.6	37.59	21.102	
9,310.0	9,214.1	9,264.9	9,211.8	29.1	12.2	-94.84	745.1	9.6	793.2	755.3	37.95	20.903	
9,405.0	9,309.1	9,359.9	9,306.8	29.4	12.3	-94.84	745.1	9.6	793.2	754.9	38.31	20.706	
9,500.0	9,404.1	9,454.9	9,401.8	29.7	12.5	-94.84	745.1	9.6	793.2	754.6	38.67	20.513	
9,595.0	9,499.1	9,549.9	9,496.8	30.0	12.6	-94.84	745.1	9.6	793.2	754.2	39.03	20.323	
9,690.0	9,594.1	9,644.9	9,591.8	30.3	12.7	-94.84	745.1	9.6	793.2	753.8	39.39	20.136	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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 #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 11723-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	
9,785.0	9,689.1	9,739.9	9,686.8	30.6	12.8	-94.84	745.1	9.6	793.2	753.5	39.76	19.952	
9,880.0	9,784.1	9,834.9	9,781.8	31.0	12.9	-94.84	745.1	9.6	793.2	753.1	40.12	19.771	
9,975.0	9,879.1	9,929.9	9,876.8	31.3	13.1	-94.84	745.1	9.6	793.2	752.7	40.48	19.593	
10,070.0	9,974.1	10,024.9	9,971.8	31.6	13.2	-94.84	745.1	9.6	793.2	752.4	40.85	19.418	
10,165.0	10,069.1	10,119.9	10,066.8	31.9	13.3	-94.84	745.1	9.6	793.2	752.0	41.22	19.245	
10,260.0	10,164.1	10,214.9	10,161.8	32.2	13.4	-94.84	745.1	9.6	793.2	751.6	41.58	19.075	
10,355.0	10,259.1	10,309.9	10,256.8	32.5	13.5	-94.84	745.1	9.6	793.2	751.3	41.95	18.908	
10,450.0	10,354.1	10,404.9	10,351.8	32.9	13.7	-94.84	745.1	9.6	793.2	750.9	42.32	18.744	
10,545.0	10,449.1	10,499.9	10,446.8	33.2	13.8	-94.84	745.1	9.6	793.2	750.5	42.69	18.582	
10,640.0	10,544.1	10,594.9	10,541.8	33.5	13.9	-94.84	745.1	9.6	793.2	750.2	43.06	18.422	
10,735.0	10,639.1	10,689.9	10,636.8	33.8	14.0	-94.84	745.1	9.6	793.2	749.8	43.43	18.265	
10,830.0	10,734.1	10,784.9	10,731.8	34.1	14.1	-94.84	745.1	9.6	793.2	749.4	43.80	18.110	
10,925.0	10,829.1	10,879.9	10,826.8	34.5	14.3	-94.84	745.1	9.6	793.2	749.1	44.17	17.958	
11,020.0	10,924.1	10,974.9	10,921.8	34.8	14.4	-94.84	745.1	9.6	793.2	748.7	44.54	17.808	
11,115.0	11,019.1	11,069.9	11,016.8	35.1	14.5	-94.84	745.1	9.6	793.2	748.3	44.92	17.660	
11,210.0	11,114.1	11,164.9	11,111.8	35.4	14.6	-94.84	745.1	9.6	793.2	747.9	45.29	17.515	
11,305.0	11,209.1	11,259.9	11,206.8	35.7	14.7	-94.84	745.1	9.6	793.2	747.6	45.66	17.371	
11,400.0	11,304.1	11,354.9	11,301.8	36.1	14.9	-94.84	745.1	9.6	793.2	747.2	46.04	17.230	
11,495.0	11,399.1	11,449.9	11,396.8	36.4	15.0	-94.84	745.1	9.6	793.2	746.8	46.41	17.091	
11,590.0	11,494.1	11,544.9	11,491.8	36.7	15.1	-94.84	745.1	9.6	793.2	746.4	46.79	16.954	
11,685.0	11,589.1	11,639.9	11,586.8	37.0	15.2	-94.84	745.1	9.6	793.2	746.1	47.16	16.819	
11,692.5	11,596.6	11,647.5	11,594.3	37.1	15.2	104.21	745.1	9.6	793.2	746.0	47.18	16.812	
11,780.0	11,684.1	11,733.6	11,680.4	37.2	15.3	104.20	745.0	9.6	793.2	745.9	47.38	16.741	
11,875.0	11,778.3	11,817.5	11,763.8	37.2	15.4	103.81	735.8	9.7	796.7	749.3	47.35	16.825	
11,970.0	11,868.6	11,900.0	11,842.9	37.2	15.5	102.84	712.7	9.8	805.9	758.6	47.33	17.029	
12,065.0	11,951.3	11,984.5	11,918.5	37.2	15.6	101.34	675.3	10.0	820.6	773.3	47.32	17.339	
12,160.0	12,023.2	12,067.5	11,985.3	37.2	15.7	99.36	626.2	10.3	840.1	792.7	47.34	17.744	
12,255.0	12,081.4	12,150.0	12,042.2	37.2	15.8	97.00	566.7	10.7	863.6	816.2	47.40	18.221	
12,350.0	12,123.7	12,233.5	12,088.6	37.3	15.9	94.35	497.4	11.1	890.3	842.8	47.49	18.746	
12,445.0	12,148.4	12,317.4	12,122.3	37.3	16.0	91.53	420.6	11.6	919.2	871.6	47.65	19.293	
12,540.0	12,154.8	12,403.0	12,142.4	37.4	16.1	89.36	337.5	12.1	949.3	901.4	47.86	19.833	
12,635.0	12,154.8	12,492.4	12,147.5	37.5	16.1	89.69	248.4	12.6	977.6	929.5	48.15	20.305	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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
0.0	0.0	0.0	0.0	3.0	3.0	-146.43	-45.2	-30.0	54.3				
95.0	95.0	92.7	92.7	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.00	9.041	
190.0	190.0	187.7	187.7	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.01	9.031	
285.0	285.0	282.7	282.7	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.02	9.009	
380.0	380.0	377.7	377.7	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.04	8.975	
475.0	475.0	472.7	472.7	3.0	3.0	-146.43	-45.2	-30.0	54.2	48.2	6.08	8.930	
570.0	570.0	567.7	567.7	3.1	3.1	-146.43	-45.2	-30.0	54.2	48.1	6.11	8.874	
665.0	665.0	662.7	662.7	3.1	3.1	-146.43	-45.2	-30.0	54.2	48.1	6.16	8.807	
760.0	760.0	757.7	757.7	3.1	3.1	-146.43	-45.2	-30.0	54.2	48.0	6.21	8.731	
855.0	855.0	852.7	852.7	3.2	3.2	-146.43	-45.2	-30.0	54.2	48.0	6.27	8.646	
950.0	950.0	947.7	947.7	3.2	3.2	-146.43	-45.2	-30.0	54.2	47.9	6.34	8.552	
1,045.0	1,045.0	1,042.7	1,042.7	3.3	3.3	-146.43	-45.2	-30.0	54.2	47.8	6.42	8.452	
1,140.0	1,140.0	1,137.7	1,137.7	3.3	3.3	-146.43	-45.2	-30.0	54.2	47.7	6.50	8.346	
1,235.0	1,235.0	1,232.7	1,232.7	3.4	3.4	-146.43	-45.2	-30.0	54.2	47.7	6.59	8.234	
1,330.0	1,330.0	1,327.7	1,327.7	3.4	3.4	-146.43	-45.2	-30.0	54.2	47.6	6.68	8.118	
1,425.0	1,425.0	1,422.7	1,422.7	3.5	3.5	-146.43	-45.2	-30.0	54.2	47.5	6.78	7.998	
1,520.0	1,520.0	1,518.0	1,518.0	3.6	3.6	-146.41	-45.1	-30.0	54.2	47.3	6.91	7.846	
1,615.0	1,615.0	1,614.7	1,614.7	3.6	3.8	-145.80	-43.0	-29.2	52.1	44.8	7.25	7.178	
1,710.0	1,710.0	1,711.2	1,711.0	3.7	4.5	-144.05	-37.8	-27.5	46.9	38.9	8.01	5.855	
1,805.0	1,805.0	1,807.2	1,806.6	3.8	5.1	175.19	-29.7	-24.6	39.3	30.6	8.64	4.543	
1,900.0	1,899.9	1,902.9	1,901.5	4.0	5.7	-176.76	-18.5	-20.7	31.9	22.5	9.45	3.378	
1,995.0	1,994.7	1,997.5	1,995.3	4.6	6.0	-164.24	-6.0	-16.4	27.5	17.4	10.07	2.729	
2,041.3	2,040.8	2,043.7	2,041.0	4.9	6.1	-157.71	0.0	-14.3	27.0	16.8	10.20	2.644 CC, ES, SF	
2,090.0	2,089.2	2,092.3	2,089.2	5.2	6.1	-151.47	6.4	-12.1	27.5	17.2	10.32	2.665	
2,185.0	2,183.3	2,187.2	2,183.1	5.8	6.3	-143.02	18.9	-7.8	31.3	20.7	10.60	2.953	
2,280.0	2,277.0	2,281.9	2,276.9	6.0	6.5	-139.60	31.4	-3.5	37.9	27.0	10.86	3.487	
2,375.0	2,370.6	2,376.6	2,370.7	6.2	6.7	-137.87	43.8	0.9	45.1	33.9	11.14	4.043	
2,470.0	2,464.1	2,471.3	2,464.5	6.3	6.9	-136.61	56.3	5.2	52.3	40.8	11.51	4.542	
2,565.0	2,557.7	2,566.1	2,558.3	6.5	7.1	-135.67	68.7	9.5	59.5	47.6	11.93	4.988	
2,660.0	2,651.2	2,660.8	2,652.1	6.7	7.3	-134.92	81.2	13.8	66.8	54.4	12.39	5.390	
2,755.0	2,744.8	2,755.5	2,745.9	6.9	7.5	-134.32	93.6	18.1	74.0	61.2	12.87	5.751	
2,850.0	2,838.4	2,850.2	2,839.7	7.2	7.8	-133.83	106.1	22.5	81.3	67.9	13.38	6.075	
2,945.0	2,931.9	2,944.9	2,933.5	7.4	8.0	-133.42	118.6	26.8	88.6	74.7	13.91	6.367	
3,040.0	3,025.5	3,039.7	3,027.3	7.6	8.3	-133.08	131.0	31.1	95.8	81.4	14.46	6.629	
3,135.0	3,119.0	3,134.4	3,121.1	7.9	8.6	-132.78	143.5	35.4	103.1	88.1	15.02	6.866	
3,230.0	3,212.6	3,229.1	3,214.9	8.2	8.8	-132.52	155.9	39.7	110.4	94.8	15.59	7.080	
3,325.0	3,306.1	3,323.8	3,308.7	8.4	9.1	-132.29	168.4	44.0	117.7	101.5	16.18	7.274	
3,420.0	3,399.7	3,418.5	3,402.5	8.7	9.4	-132.09	180.8	48.4	125.0	108.2	16.77	7.450	
3,515.0	3,493.3	3,513.3	3,496.3	9.0	9.7	-131.91	193.3	52.7	132.2	114.9	17.38	7.610	
3,610.0	3,586.8	3,608.0	3,590.1	9.3	10.0	-131.75	205.8	57.0	139.5	121.5	17.99	7.757	
3,705.0	3,680.4	3,702.7	3,683.8	9.6	10.3	-131.61	218.2	61.3	146.8	128.2	18.61	7.891	
3,800.0	3,773.9	3,797.4	3,777.6	9.8	10.6	-131.48	230.7	65.6	154.1	134.9	19.23	8.013	
3,895.0	3,867.5	3,892.1	3,871.4	10.1	10.9	-131.36	243.1	70.0	161.4	141.5	19.86	8.126	
3,990.0	3,961.0	3,986.9	3,965.2	10.4	11.2	-131.25	255.6	74.3	168.7	148.2	20.50	8.230	
4,085.0	4,054.6	4,081.6	4,059.0	10.8	11.5	-131.15	268.0	78.6	176.0	154.8	21.14	8.326	
4,180.0	4,148.1	4,176.3	4,152.8	11.1	11.8	-131.06	280.5	82.9	183.3	161.5	21.78	8.415	
4,275.0	4,241.7	4,271.0	4,246.6	11.4	12.1	-130.97	292.9	87.2	190.6	168.1	22.43	8.498	
4,370.0	4,335.3	4,365.7	4,340.4	11.7	12.4	-130.89	305.4	91.6	197.9	174.8	23.08	8.574	
4,465.0	4,428.8	4,460.4	4,434.2	12.0	12.7	-130.82	317.9	95.9	205.1	181.4	23.73	8.645	
4,560.0	4,522.4	4,555.2	4,528.0	12.3	13.0	-130.75	330.3	100.2	212.4	188.1	24.38	8.712	
4,655.0	4,615.9	4,649.9	4,621.8	12.6	13.3	-130.69	342.8	104.5	219.7	194.7	25.04	8.774	
4,750.0	4,709.5	4,744.6	4,715.6	13.0	13.7	-130.63	355.2	108.8	227.0	201.3	25.70	8.832	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	Distance				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	
4,845.0	4,803.0	4,839.3	4,809.4	13.3	14.0	-130.58	367.7	113.1	234.3	208.0	26.37	8.887	
4,940.0	4,896.6	4,934.0	4,903.2	13.6	14.3	-130.52	380.1	117.5	241.6	214.6	27.03	8.938	
5,035.0	4,990.2	5,028.8	4,997.0	13.9	14.6	-130.48	392.6	121.8	248.9	221.2	27.70	8.986	
5,130.0	5,083.7	5,123.5	5,090.8	14.3	15.0	-130.43	405.0	126.1	256.2	227.8	28.37	9.032	
5,225.0	5,177.3	5,218.2	5,184.6	14.6	15.3	-130.39	417.5	130.4	263.5	234.5	29.04	9.075	
5,320.0	5,270.8	5,312.9	5,278.4	14.9	15.6	-130.34	430.0	134.7	270.8	241.1	29.71	9.115	
5,415.0	5,364.4	5,407.6	5,372.2	15.3	15.9	-130.30	442.4	139.1	278.1	247.7	30.38	9.153	
5,510.0	5,457.9	5,502.4	5,466.0	15.6	16.3	-130.27	454.9	143.4	285.4	254.3	31.05	9.190	
5,605.0	5,551.5	5,597.1	5,559.8	15.9	16.6	-130.23	467.3	147.7	292.7	260.9	31.73	9.224	
5,700.0	5,645.1	5,691.8	5,653.6	16.3	16.9	-130.20	479.8	152.0	300.0	267.6	32.41	9.257	
5,795.0	5,738.6	5,786.5	5,747.4	16.6	17.3	-130.17	492.2	156.3	307.3	274.2	33.08	9.288	
5,890.0	5,832.2	5,881.2	5,841.2	16.9	17.6	-130.14	504.7	160.6	314.6	280.8	33.76	9.317	
5,985.0	5,925.7	5,976.0	5,935.0	17.3	17.9	-130.11	517.2	165.0	321.8	287.4	34.44	9.345	
6,080.0	6,019.3	6,070.7	6,028.8	17.6	18.3	-130.08	529.6	169.3	329.1	294.0	35.12	9.372	
6,175.0	6,112.8	6,165.4	6,122.6	18.0	18.6	-130.05	542.1	173.6	336.4	300.6	35.80	9.397	
6,270.0	6,206.4	6,260.1	6,216.4	18.3	18.9	-130.03	554.5	177.9	343.7	307.2	36.48	9.422	
6,365.0	6,300.0	6,354.8	6,310.2	18.6	19.3	-130.00	567.0	182.2	351.0	313.9	37.17	9.445	
6,460.0	6,393.5	6,449.6	6,404.0	19.0	19.6	-129.98	579.4	186.6	358.3	320.5	37.85	9.467	
6,555.0	6,487.1	6,544.3	6,497.8	19.3	19.9	-129.96	591.9	190.9	365.6	327.1	38.53	9.489	
6,650.0	6,580.6	6,639.0	6,591.6	19.7	20.3	-129.93	604.3	195.2	372.9	333.7	39.22	9.509	
6,745.0	6,674.2	6,733.7	6,685.4	20.0	20.6	-129.91	616.8	199.5	380.2	340.3	39.90	9.529	
6,840.0	6,767.7	6,828.4	6,779.2	20.3	21.0	-129.89	629.3	203.8	387.5	346.9	40.59	9.548	
6,935.0	6,861.3	6,923.2	6,873.0	20.7	21.3	-129.87	641.7	208.2	394.8	353.5	41.27	9.566	
7,030.0	6,954.9	7,017.9	6,966.8	21.0	21.6	-129.86	654.2	212.5	402.1	360.1	41.96	9.583	
7,125.0	7,048.4	7,112.6	7,060.6	21.4	22.0	-129.84	666.6	216.8	409.4	366.7	42.65	9.600	
7,220.0	7,142.0	7,207.3	7,154.4	21.7	22.3	-129.82	679.1	221.1	416.7	373.3	43.33	9.616	
7,315.0	7,235.5	7,302.0	7,248.2	22.1	22.6	-129.80	691.5	225.4	424.0	380.0	44.02	9.631	
7,410.0	7,329.1	7,395.5	7,340.8	22.4	23.0	-129.83	703.5	229.6	431.4	386.7	44.69	9.652	
7,505.0	7,422.6	7,488.4	7,433.0	22.7	23.3	-130.05	714.0	233.2	439.1	393.8	45.37	9.679	
7,600.0	7,516.2	7,581.1	7,525.2	23.1	23.6	-130.44	723.1	236.4	447.3	401.2	46.06	9.712	
7,695.0	7,609.8	7,673.7	7,617.4	23.4	23.9	-131.00	730.8	239.0	455.9	409.2	46.75	9.753	
7,790.0	7,703.3	7,766.0	7,709.5	23.8	24.3	-131.71	737.0	241.2	465.0	417.6	47.43	9.803	
7,885.0	7,796.9	7,858.0	7,801.3	24.1	24.6	-132.57	741.9	242.9	474.6	426.5	48.12	9.862	
7,980.0	7,890.4	7,949.7	7,893.0	24.5	24.9	-133.55	745.3	244.1	484.8	436.0	48.81	9.932	
8,075.0	7,984.0	8,041.0	7,984.3	24.8	25.2	-134.66	747.3	244.8	495.6	446.1	49.49	10.015	
8,170.0	8,077.7	8,132.2	8,075.4	25.2	25.5	-135.87	748.0	245.0	506.5	456.3	50.15	10.099	
8,265.0	8,171.7	8,226.1	8,169.4	25.5	25.8	-137.01	748.0	245.0	516.7	465.8	50.83	10.163	
8,360.0	8,265.9	8,320.3	8,263.6	25.8	26.1	-137.99	748.0	245.0	525.8	474.3	51.52	10.207	
8,455.0	8,360.2	8,414.7	8,357.9	26.2	26.5	-138.82	748.0	245.0	534.0	481.8	52.20	10.230	
8,550.0	8,454.8	8,509.2	8,452.5	26.5	26.8	-139.51	748.0	245.0	541.0	488.1	52.87	10.233	
8,645.0	8,549.5	8,603.9	8,547.2	26.8	27.1	-140.08	748.0	245.0	546.9	493.4	53.54	10.216	
8,740.0	8,644.3	8,698.7	8,642.0	27.2	27.4	-140.51	748.0	245.0	551.6	497.4	54.20	10.178	
8,835.0	8,739.2	8,793.6	8,736.9	27.5	27.8	-140.84	748.0	245.0	555.2	500.3	54.85	10.121	
8,930.0	8,834.1	8,888.6	8,831.8	27.8	28.1	-141.04	748.0	245.0	557.5	502.0	55.51	10.043	
9,025.0	8,929.1	8,983.6	8,926.8	28.1	28.4	-141.14	748.0	245.0	558.6	502.4	56.15	9.948	
9,120.0	9,024.1	9,078.6	9,021.8	28.4	28.7	-96.58	748.0	245.0	558.7	501.9	56.78	9.839	
9,215.0	9,119.1	9,173.6	9,116.8	28.8	29.1	-96.58	748.0	245.0	558.7	501.3	57.41	9.731	
9,310.0	9,214.1	9,268.6	9,211.8	29.1	29.4	-96.58	748.0	245.0	558.7	500.6	58.05	9.624	
9,405.0	9,309.1	9,363.6	9,306.8	29.4	29.7	-96.58	748.0	245.0	558.7	500.0	58.69	9.520	
9,500.0	9,404.1	9,458.6	9,401.8	29.7	30.0	-96.58	748.0	245.0	558.7	499.4	59.33	9.417	
9,595.0	9,499.1	9,553.6	9,496.8	30.0	30.4	-96.58	748.0	245.0	558.7	498.7	59.96	9.317	
9,690.0	9,594.1	9,648.6	9,591.8	30.3	30.7	-96.58	748.0	245.0	558.7	498.1	60.60	9.218	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	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
9,785.0	9,689.1	9,743.6	9,686.8	30.6	31.0	-96.58	748.0	245.0	558.7	497.4	61.24	9.122	
9,880.0	9,784.1	9,838.6	9,781.8	31.0	31.3	-96.58	748.0	245.0	558.7	496.8	61.89	9.027	
9,975.0	9,879.1	9,933.6	9,876.8	31.3	31.7	-96.58	748.0	245.0	558.7	496.1	62.53	8.935	
10,070.0	9,974.1	10,028.6	9,971.8	31.6	32.0	-96.58	748.0	245.0	558.7	495.5	63.17	8.844	
10,165.0	10,069.1	10,123.6	10,066.8	31.9	32.3	-96.58	748.0	245.0	558.7	494.9	63.82	8.754	
10,260.0	10,164.1	10,218.6	10,161.8	32.2	32.7	-96.58	748.0	245.0	558.7	494.2	64.46	8.667	
10,355.0	10,259.1	10,313.6	10,256.8	32.5	33.0	-96.58	748.0	245.0	558.7	493.6	65.11	8.581	
10,450.0	10,354.1	10,408.6	10,351.8	32.9	33.3	-96.58	748.0	245.0	558.7	492.9	65.75	8.497	
10,545.0	10,449.1	10,503.6	10,446.8	33.2	33.6	-96.58	748.0	245.0	558.7	492.3	66.40	8.414	
10,640.0	10,544.1	10,598.6	10,541.8	33.5	34.0	-96.58	748.0	245.0	558.7	491.6	67.05	8.333	
10,735.0	10,639.1	10,693.6	10,636.8	33.8	34.3	-96.58	748.0	245.0	558.7	491.0	67.70	8.253	
10,830.0	10,734.1	10,788.6	10,731.8	34.1	34.6	-96.58	748.0	245.0	558.7	490.3	68.35	8.174	
10,925.0	10,829.1	10,883.6	10,826.8	34.5	35.0	-96.58	748.0	245.0	558.7	489.7	68.99	8.097	
11,020.0	10,924.1	10,978.6	10,921.8	34.8	35.3	-96.58	748.0	245.0	558.7	489.0	69.64	8.022	
11,115.0	11,019.1	11,073.6	11,016.8	35.1	35.6	-96.58	748.0	245.0	558.7	488.4	70.30	7.948	
11,210.0	11,114.1	11,168.6	11,111.8	35.4	36.0	-96.58	748.0	245.0	558.7	487.7	70.95	7.875	
11,305.0	11,209.1	11,263.6	11,206.8	35.7	36.3	-96.58	748.0	245.0	558.7	487.1	71.60	7.803	
11,400.0	11,304.1	11,358.6	11,301.8	36.1	36.6	-96.58	748.0	245.0	558.7	486.4	72.25	7.732	
11,495.0	11,399.1	11,453.6	11,396.8	36.4	37.0	-96.58	748.0	245.0	558.7	485.8	72.90	7.663	
11,590.0	11,494.1	11,548.6	11,491.8	36.7	37.3	-96.58	748.0	245.0	558.7	485.1	73.56	7.595	
11,685.0	11,589.1	11,643.6	11,586.8	37.0	37.6	-96.58	748.0	245.0	558.7	484.5	74.21	7.528	
11,693.2	11,597.3	11,651.7	11,595.0	37.1	37.6	102.47	748.0	245.0	558.7	484.4	74.26	7.524	
11,780.0	11,684.1	11,738.6	11,681.8	37.2	37.9	102.48	748.0	245.0	558.7	484.0	74.72	7.477	
11,875.0	11,778.3	11,832.8	11,776.0	37.2	38.3	103.25	748.0	245.0	561.1	486.1	75.02	7.479	
11,970.0	11,868.6	11,923.0	11,866.3	37.2	38.6	105.10	748.0	245.0	568.7	493.4	75.25	7.556	
12,065.0	11,951.3	12,005.7	11,949.0	37.2	38.9	107.27	748.0	245.0	583.5	508.1	75.41	7.737	
12,160.0	12,023.2	12,134.9	12,076.6	37.2	38.9	111.41	732.0	249.1	604.9	529.5	75.39	8.023	
12,255.0	12,081.4	12,302.3	12,227.4	37.2	39.0	115.38	663.3	266.6	627.2	552.4	74.79	8.386	
12,350.0	12,123.7	12,513.9	12,368.0	37.3	39.0	117.68	512.4	305.1	644.6	570.8	73.76	8.739	
12,445.0	12,148.4	12,748.6	12,429.4	37.3	39.1	116.28	295.2	360.4	651.5	577.6	73.91	8.814	
12,540.0	12,154.8	12,833.5	12,429.5	37.4	39.1	115.06	212.8	380.5	656.9	582.8	74.11	8.863	
12,635.0	12,154.8	12,911.6	12,429.5	37.5	39.1	114.70	136.3	396.8	665.5	591.3	74.20	8.969	
12,730.0	12,154.8	12,989.6	12,429.5	37.6	39.2	114.37	59.6	410.9	673.6	599.3	74.35	9.061	
12,825.0	12,154.8	13,067.4	12,429.5	37.8	39.3	114.07	-17.2	423.0	681.3	606.8	74.51	9.144	
12,920.0	12,154.8	13,145.1	12,429.5	37.9	39.4	113.79	-94.3	432.9	688.4	613.7	74.68	9.218	
13,015.0	12,154.8	13,222.7	12,429.5	38.1	39.5	113.54	-171.5	440.8	695.0	620.2	74.86	9.285	
13,110.0	12,154.8	13,300.0	12,429.5	38.3	39.6	113.32	-248.6	446.5	701.1	626.1	75.04	9.343	
13,205.0	12,154.8	13,377.5	12,429.5	38.5	39.7	113.11	-325.9	450.2	706.7	631.5	75.24	9.393	
13,300.0	12,154.8	13,456.5	12,429.5	38.7	39.8	112.93	-404.9	451.7	711.8	636.3	75.44	9.435	
13,395.0	12,154.8	13,549.2	12,429.5	38.8	39.9	112.79	-497.7	452.3	715.1	639.4	75.76	9.439	
13,490.0	12,154.8	13,644.2	12,429.5	39.0	40.0	112.77	-592.7	452.9	715.8	639.7	76.08	9.408	
13,585.0	12,154.8	13,739.2	12,429.5	39.2	40.1	112.77	-687.7	453.5	715.8	639.4	76.41	9.368	
13,680.0	12,154.8	13,834.2	12,429.5	39.4	40.3	112.77	-782.7	454.0	715.8	639.0	76.76	9.325	
13,775.0	12,154.8	13,929.2	12,429.5	39.5	40.4	112.77	-877.7	454.6	715.8	638.6	77.14	9.279	
13,870.0	12,154.8	14,024.2	12,429.5	39.7	40.6	112.77	-972.7	455.2	715.8	638.2	77.55	9.230	
13,965.0	12,154.8	14,119.2	12,429.5	39.9	40.7	112.77	-1,067.7	455.8	715.8	637.8	77.98	9.179	
14,060.0	12,154.8	14,214.2	12,429.5	40.2	40.9	112.77	-1,162.7	456.4	715.8	637.3	78.44	9.126	
14,155.0	12,154.8	14,309.2	12,429.5	40.4	41.1	112.77	-1,257.7	456.9	715.8	636.9	78.92	9.070	
14,250.0	12,154.8	14,404.2	12,429.5	40.6	41.3	112.77	-1,352.6	457.5	715.8	636.4	79.42	9.012	
14,345.0	12,154.8	14,499.2	12,429.5	40.9	41.6	112.77	-1,447.6	458.1	715.8	635.8	79.95	8.953	
14,440.0	12,154.8	14,594.2	12,429.5	41.1	41.8	112.77	-1,542.6	458.7	715.8	635.3	80.50	8.892	
14,535.0	12,154.8	14,689.2	12,429.5	41.4	42.1	112.77	-1,637.6	459.3	715.8	634.7	81.07	8.829	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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
14,630.0	12,154.8	14,784.2	12,429.5	41.7	42.3	112.77	-1,732.6	459.8	715.8	634.1	81.67	8.765	
14,725.0	12,154.8	14,879.2	12,429.5	42.0	42.6	112.77	-1,827.6	460.4	715.8	633.5	82.28	8.699	
14,820.0	12,154.8	14,974.2	12,429.5	42.3	42.9	112.77	-1,922.6	461.0	715.8	632.9	82.92	8.632	
14,915.0	12,154.8	15,069.2	12,429.5	42.6	43.2	112.77	-2,017.6	461.6	715.8	632.2	83.58	8.564	
15,010.0	12,154.8	15,164.2	12,429.5	42.9	43.5	112.77	-2,112.6	462.2	715.8	631.5	84.26	8.495	
15,105.0	12,154.8	15,259.2	12,429.5	43.3	43.8	112.77	-2,207.6	462.7	715.8	630.8	84.96	8.425	
15,200.0	12,154.8	15,354.2	12,429.5	43.6	44.1	112.77	-2,302.6	463.3	715.8	630.1	85.67	8.355	
15,295.0	12,154.8	15,449.2	12,429.5	44.0	44.5	112.77	-2,397.6	463.9	715.8	629.4	86.41	8.284	
15,390.0	12,154.8	15,544.2	12,429.5	44.3	44.8	112.77	-2,492.6	464.5	715.8	628.6	87.16	8.212	
15,485.0	12,154.8	15,639.2	12,429.5	44.7	45.2	112.77	-2,587.6	465.1	715.8	627.8	87.93	8.140	
15,580.0	12,154.8	15,734.2	12,429.5	45.1	45.5	112.77	-2,682.6	465.7	715.8	627.0	88.72	8.067	
15,675.0	12,154.8	15,829.2	12,429.5	45.5	45.9	112.77	-2,777.6	466.2	715.8	626.2	89.53	7.995	
15,770.0	12,154.8	15,924.2	12,429.5	45.9	46.3	112.77	-2,872.6	466.8	715.8	625.4	90.35	7.922	
15,865.0	12,154.8	16,019.2	12,429.5	46.3	46.7	112.77	-2,967.6	467.4	715.8	624.6	91.19	7.849	
15,960.0	12,154.8	16,114.2	12,429.5	46.7	47.1	112.77	-3,062.6	468.0	715.8	623.7	92.04	7.776	
16,055.0	12,154.8	16,209.2	12,429.5	47.1	47.5	112.77	-3,157.6	468.6	715.8	622.8	92.91	7.704	
16,150.0	12,154.8	16,304.2	12,429.5	47.5	47.9	112.77	-3,252.6	469.1	715.8	622.0	93.79	7.631	
16,245.0	12,154.8	16,399.2	12,429.5	48.0	48.3	112.77	-3,347.6	469.7	715.8	621.1	94.69	7.559	
16,340.0	12,154.8	16,494.2	12,429.5	48.4	48.7	112.77	-3,442.6	470.3	715.8	620.2	95.60	7.487	
16,435.0	12,154.8	16,589.2	12,429.5	48.8	49.2	112.77	-3,537.6	470.9	715.8	619.2	96.53	7.415	
16,530.0	12,154.8	16,684.2	12,429.5	49.3	49.6	112.77	-3,632.6	471.5	715.8	618.3	97.46	7.344	
16,625.0	12,154.8	16,779.2	12,429.5	49.8	50.1	112.77	-3,727.6	472.0	715.8	617.3	98.41	7.273	
16,720.0	12,154.8	16,874.2	12,429.5	50.2	50.5	112.77	-3,822.6	472.6	715.8	616.4	99.38	7.202	
16,815.0	12,154.8	16,969.2	12,429.5	50.7	51.0	112.77	-3,917.6	473.2	715.8	615.4	100.35	7.132	
16,910.0	12,154.8	17,064.2	12,429.5	51.2	51.5	112.77	-4,012.6	473.8	715.8	614.4	101.34	7.063	
17,005.0	12,154.8	17,159.2	12,429.5	51.7	51.9	112.77	-4,107.6	474.4	715.7	613.4	102.33	6.994	
17,100.0	12,154.8	17,254.2	12,429.5	52.2	52.4	112.77	-4,202.6	474.9	715.7	612.4	103.34	6.926	
17,195.0	12,154.8	17,349.2	12,429.5	52.6	52.9	112.77	-4,297.6	475.5	715.7	611.4	104.36	6.858	
17,290.0	12,154.8	17,444.2	12,429.5	53.1	53.4	112.77	-4,392.6	476.1	715.7	610.4	105.39	6.791	
17,385.0	12,154.8	17,539.2	12,429.5	53.7	53.9	112.77	-4,487.6	476.7	715.7	609.3	106.43	6.725	
17,480.0	12,154.8	17,634.2	12,429.5	54.2	54.4	112.77	-4,582.6	477.3	715.7	608.3	107.48	6.659	
17,575.0	12,154.8	17,729.2	12,429.5	54.7	54.9	112.77	-4,677.6	477.9	715.7	607.2	108.54	6.594	
17,670.0	12,154.8	17,824.2	12,429.5	55.2	55.4	112.77	-4,772.6	478.4	715.7	606.1	109.61	6.530	
17,765.0	12,154.8	17,919.2	12,429.5	55.7	55.9	112.77	-4,867.6	479.0	715.7	605.1	110.68	6.467	
17,860.0	12,154.8	18,014.2	12,429.5	56.3	56.5	112.77	-4,962.6	479.6	715.7	604.0	111.77	6.404	
17,955.0	12,154.8	18,109.2	12,429.5	56.8	57.0	112.77	-5,057.6	480.2	715.7	602.9	112.86	6.342	
18,050.0	12,154.8	18,204.2	12,429.5	57.3	57.5	112.77	-5,152.6	480.8	715.7	601.8	113.96	6.280	
18,145.0	12,154.8	18,299.2	12,429.5	57.9	58.1	112.77	-5,247.6	481.3	715.7	600.7	115.07	6.220	
18,240.0	12,154.8	18,394.2	12,429.5	58.4	58.6	112.77	-5,342.6	481.9	715.7	599.5	116.19	6.160	
18,335.0	12,154.8	18,489.2	12,429.5	59.0	59.1	112.77	-5,437.6	482.5	715.7	598.4	117.32	6.101	
18,430.0	12,154.8	18,584.2	12,429.5	59.5	59.7	112.77	-5,532.6	483.1	715.7	597.3	118.45	6.043	
18,525.0	12,154.8	18,679.2	12,429.5	60.1	60.2	112.77	-5,627.6	483.7	715.7	596.1	119.59	5.985	
18,620.0	12,154.8	18,774.2	12,429.5	60.6	60.8	112.77	-5,722.6	484.2	715.7	595.0	120.73	5.928	
18,715.0	12,154.8	18,869.2	12,429.5	61.2	61.4	112.77	-5,817.6	484.8	715.7	593.8	121.89	5.872	
18,810.0	12,154.8	18,964.2	12,429.5	61.8	61.9	112.77	-5,912.6	485.4	715.7	592.7	123.05	5.817	
18,905.0	12,154.8	19,059.2	12,429.5	62.4	62.5	112.77	-6,007.6	486.0	715.7	591.5	124.21	5.762	
19,000.0	12,154.8	19,154.2	12,429.5	62.9	63.1	112.77	-6,102.6	486.6	715.7	590.3	125.38	5.708	
19,095.0	12,154.8	19,249.2	12,429.5	63.5	63.6	112.77	-6,197.6	487.1	715.7	589.2	126.56	5.655	
19,190.0	12,154.8	19,344.2	12,429.5	64.1	64.2	112.77	-6,292.6	487.7	715.7	588.0	127.74	5.603	
19,285.0	12,154.8	19,439.2	12,429.5	64.7	64.8	112.77	-6,387.6	488.3	715.7	586.8	128.93	5.551	
19,380.0	12,154.8	19,534.2	12,429.5	65.3	65.4	112.77	-6,482.6	488.9	715.7	585.6	130.13	5.500	
19,475.0	12,154.8	19,629.2	12,429.5	65.8	65.9	112.77	-6,577.6	489.5	715.7	584.4	131.33	5.450	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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:		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	12,154.8	19,724.2	12,429.5	66.4	66.5	112.77	-6,672.5	490.1	715.7	583.2	132.53	5.400	
19,665.0	12,154.8	19,819.2	12,429.5	67.0	67.1	112.77	-6,767.5	490.6	715.7	582.0	133.74	5.351	
19,760.0	12,154.8	19,914.2	12,429.5	67.6	67.7	112.77	-6,862.5	491.2	715.7	580.8	134.96	5.303	
19,855.0	12,154.8	20,009.2	12,429.5	68.2	68.3	112.77	-6,957.5	491.8	715.7	579.5	136.18	5.256	
19,950.0	12,154.8	20,104.2	12,429.5	68.8	68.9	112.77	-7,052.5	492.4	715.7	578.3	137.40	5.209	
20,045.0	12,154.8	20,199.2	12,429.5	69.4	69.5	112.77	-7,147.5	493.0	715.7	577.1	138.63	5.163	
20,140.0	12,154.8	20,294.2	12,429.5	70.0	70.1	112.77	-7,242.5	493.5	715.7	575.9	139.87	5.117	
20,235.0	12,154.8	20,389.2	12,429.5	70.7	70.7	112.77	-7,337.5	494.1	715.7	574.6	141.10	5.072	
20,330.0	12,154.8	20,484.2	12,429.5	71.3	71.3	112.77	-7,432.5	494.7	715.7	573.4	142.34	5.028	
20,425.0	12,154.8	20,579.2	12,429.5	71.9	71.9	112.77	-7,527.5	495.3	715.7	572.1	143.59	4.984	
20,520.0	12,154.8	20,674.2	12,429.5	72.5	72.5	112.77	-7,622.5	495.9	715.7	570.9	144.84	4.941	
20,615.0	12,154.8	20,769.2	12,429.5	73.1	73.1	112.77	-7,717.5	496.4	715.7	569.6	146.09	4.899	
20,710.0	12,154.8	20,864.2	12,429.5	73.7	73.8	112.77	-7,812.5	497.0	715.7	568.4	147.35	4.857	
20,805.0	12,154.8	20,959.2	12,429.5	74.4	74.4	112.77	-7,907.5	497.6	715.7	567.1	148.61	4.816	
20,900.0	12,154.8	21,054.2	12,429.5	75.0	75.0	112.77	-8,002.5	498.2	715.7	565.8	149.88	4.775	
20,995.0	12,154.8	21,149.2	12,429.5	75.6	75.6	112.77	-8,097.5	498.8	715.7	564.6	151.15	4.735	
21,090.0	12,154.8	21,244.2	12,429.5	76.2	76.2	112.77	-8,192.5	499.3	715.7	563.3	152.42	4.696	
21,185.0	12,154.8	21,339.2	12,429.5	76.9	76.9	112.77	-8,287.5	499.9	715.7	562.0	153.69	4.657	
21,280.0	12,154.8	21,434.2	12,429.5	77.5	77.5	112.77	-8,382.5	500.5	715.7	560.7	154.97	4.618	
21,375.0	12,154.8	21,529.2	12,429.5	78.1	78.1	112.77	-8,477.5	501.1	715.7	559.5	156.25	4.580	
21,470.0	12,154.8	21,624.2	12,429.5	78.8	78.8	112.77	-8,572.5	501.7	715.7	558.2	157.54	4.543	
21,565.0	12,154.8	21,719.2	12,429.5	79.4	79.4	112.77	-8,667.5	502.2	715.7	556.9	158.82	4.506	
21,660.0	12,154.8	21,814.2	12,429.5	80.0	80.0	112.77	-8,762.5	502.8	715.7	555.6	160.11	4.470	
21,755.0	12,154.8	21,909.2	12,429.5	80.7	80.7	112.77	-8,857.5	503.4	715.7	554.3	161.41	4.434	
21,850.0	12,154.8	22,004.2	12,429.5	81.3	81.3	112.77	-8,952.5	504.0	715.7	553.0	162.70	4.399	
21,945.0	12,154.8	22,099.2	12,429.5	82.0	81.9	112.77	-9,047.5	504.6	715.7	551.7	164.00	4.364	
22,040.0	12,154.8	22,194.2	12,429.5	82.6	82.6	112.77	-9,142.5	505.2	715.7	550.4	165.30	4.330	
22,135.0	12,154.8	22,289.2	12,429.5	83.2	83.2	112.77	-9,237.5	505.7	715.7	549.1	166.61	4.296	
22,230.0	12,154.8	22,384.2	12,429.5	83.9	83.8	112.77	-9,332.5	506.3	715.7	547.8	167.91	4.262	
22,325.0	12,154.8	22,479.2	12,429.5	84.5	84.5	112.77	-9,427.5	506.9	715.7	546.5	169.22	4.229	
22,420.0	12,154.8	22,574.2	12,429.5	85.2	85.1	112.77	-9,522.5	507.5	715.7	545.2	170.54	4.197	
22,515.0	12,154.8	22,669.2	12,429.5	85.8	85.8	112.77	-9,617.5	508.1	715.7	543.8	171.85	4.165	
22,610.0	12,154.8	22,764.2	12,429.5	86.5	86.4	112.77	-9,712.5	508.6	715.7	542.5	173.16	4.133	
22,636.6	12,154.8	22,790.8	12,429.5	86.7	86.6	112.77	-9,739.1	508.8	715.7	542.2	173.53	4.124	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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	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	
0.0	0.0	0.0	0.0	3.0	3.0	-127.11	-45.4	-60.0	75.3				
95.0	95.0	92.5	92.5	3.0	3.0	-127.11	-45.4	-60.0	75.2	69.2	6.00	12.539	
190.0	190.0	187.5	187.5	3.0	3.0	-127.11	-45.4	-60.0	75.2	69.2	6.00	12.530	
285.0	285.0	282.5	282.5	3.0	3.0	-127.11	-45.4	-60.0	75.2	69.2	6.02	12.509	
380.0	380.0	377.5	377.5	3.0	3.0	-127.11	-45.4	-60.0	75.2	69.2	6.03	12.476	
475.0	475.0	472.5	472.5	3.0	3.0	-127.11	-45.4	-60.0	75.2	69.2	6.05	12.432	
570.0	570.0	567.5	567.5	3.1	3.1	-127.11	-45.4	-60.0	75.2	69.2	6.08	12.377	
665.0	665.0	662.5	662.5	3.1	3.1	-127.11	-45.4	-60.0	75.2	69.1	6.11	12.311	
760.0	760.0	757.5	757.5	3.1	3.1	-127.11	-45.4	-60.0	75.2	69.1	6.15	12.235	
855.0	855.0	852.5	852.5	3.2	3.2	-127.11	-45.4	-60.0	75.2	69.0	6.19	12.150	
950.0	950.0	947.5	947.5	3.2	3.2	-127.11	-45.4	-60.0	75.2	69.0	6.24	12.057	
1,045.0	1,045.0	1,042.5	1,042.5	3.3	3.3	-127.11	-45.4	-60.0	75.2	68.9	6.29	11.955	
1,140.0	1,140.0	1,137.5	1,137.5	3.3	3.3	-127.11	-45.4	-60.0	75.2	68.9	6.35	11.845	
1,235.0	1,235.0	1,232.5	1,232.5	3.4	3.4	-127.11	-45.4	-60.0	75.2	68.8	6.41	11.729	
1,330.0	1,330.0	1,327.5	1,327.5	3.4	3.4	-127.11	-45.4	-60.0	75.2	68.8	6.48	11.607	
1,425.0	1,425.0	1,422.5	1,422.5	3.5	3.5	-127.11	-45.4	-60.0	75.2	68.7	6.55	11.479	
1,436.0	1,436.0	1,433.5	1,433.5	3.5	3.5	-127.11	-45.4	-60.0	75.2	68.7	6.56	11.464 CC	
1,520.0	1,520.0	1,517.5	1,517.5	3.6	3.6	-127.07	-45.4	-60.0	75.2	68.6	6.64	11.332	
1,520.1	1,520.1	1,517.6	1,517.6	3.6	3.6	-127.07	-45.4	-60.0	75.2	68.6	6.64	11.332	
1,615.0	1,615.0	1,612.4	1,612.4	3.6	3.8	-125.43	-43.6	-61.3	75.3	68.6	6.69	11.249 ES, SF	
1,710.0	1,710.0	1,707.1	1,707.0	3.7	4.5	-121.43	-39.4	-64.5	75.6	68.9	6.72	11.256	
1,805.0	1,805.0	1,801.4	1,800.8	3.8	5.1	-159.92	-32.8	-69.6	77.4	70.7	6.74	11.481	
1,900.0	1,899.9	1,895.0	1,893.7	4.0	5.7	-153.00	-23.7	-76.4	83.6	76.3	7.23	11.558	
1,995.0	1,994.7	1,987.9	1,985.5	4.6	6.0	-146.41	-12.4	-85.0	94.7	86.7	8.03	11.798	
2,090.0	2,089.2	2,081.3	2,077.7	5.2	6.1	-141.62	-0.1	-94.3	109.8	101.0	8.78	12.510	
2,185.0	2,183.3	2,174.4	2,169.5	5.8	6.3	-138.84	12.2	-103.6	127.7	118.3	9.48	13.480	
2,280.0	2,277.0	2,267.2	2,261.0	6.0	6.5	-137.54	24.4	-112.8	148.0	138.1	9.91	14.936	
2,375.0	2,370.6	2,359.9	2,352.4	6.2	6.7	-136.88	36.6	-122.1	168.9	158.6	10.28	16.432	
2,470.0	2,464.1	2,452.5	2,443.8	6.3	6.9	-136.36	48.8	-131.3	189.7	179.1	10.69	17.743	
2,565.0	2,557.7	2,545.2	2,535.2	6.5	7.1	-135.94	60.9	-140.6	210.6	199.5	11.15	18.899	
2,660.0	2,651.2	2,637.9	2,626.6	6.7	7.3	-135.60	73.1	-149.8	231.5	219.9	11.62	19.925	
2,755.0	2,744.8	2,730.5	2,718.0	6.9	7.5	-135.31	85.3	-159.0	252.4	240.3	12.11	20.836	
2,850.0	2,838.4	2,823.2	2,809.4	7.2	7.8	-135.07	97.5	-168.3	273.3	260.7	12.63	21.643	
2,945.0	2,931.9	2,915.9	2,900.8	7.4	8.0	-134.86	109.7	-177.5	294.2	281.1	13.16	22.361	
3,040.0	3,025.5	3,008.5	2,992.2	7.6	8.3	-134.68	121.9	-186.7	315.1	301.4	13.70	22.998	
3,135.0	3,119.0	3,101.2	3,083.6	7.9	8.5	-134.52	134.1	-196.0	336.0	321.8	14.26	23.567	
3,230.0	3,212.6	3,193.9	3,175.0	8.2	8.8	-134.38	146.3	-205.2	357.0	342.1	14.83	24.074	
3,325.0	3,306.1	3,286.5	3,266.4	8.4	9.1	-134.26	158.5	-214.4	377.9	362.5	15.41	24.527	
3,420.0	3,399.7	3,379.2	3,357.8	8.7	9.4	-134.15	170.7	-223.7	398.8	382.8	15.99	24.934	
3,515.0	3,493.3	3,471.9	3,449.2	9.0	9.6	-134.05	182.9	-232.9	419.7	403.1	16.59	25.300	
3,610.0	3,586.8	3,564.5	3,540.6	9.3	9.9	-133.96	195.1	-242.2	440.6	423.4	17.19	25.630	
3,705.0	3,680.4	3,657.2	3,632.0	9.6	10.2	-133.88	207.3	-251.4	461.5	443.7	17.80	25.928	
3,800.0	3,773.9	3,749.9	3,723.3	9.8	10.5	-133.80	219.4	-260.6	482.5	464.0	18.42	26.198	
3,895.0	3,867.5	3,842.5	3,814.7	10.1	10.8	-133.73	231.6	-269.9	503.4	484.4	19.04	26.443	
3,990.0	3,961.0	3,935.2	3,906.1	10.4	11.1	-133.67	243.8	-279.1	524.3	504.6	19.66	26.666	
4,085.0	4,054.6	4,027.9	3,997.5	10.8	11.4	-133.61	256.0	-288.3	545.2	524.9	20.29	26.870	
4,180.0	4,148.1	4,120.5	4,088.9	11.1	11.7	-133.56	268.2	-297.6	566.2	545.2	20.93	27.056	
4,275.0	4,241.7	4,213.2	4,180.3	11.4	12.0	-133.51	280.4	-306.8	587.1	565.5	21.56	27.227	
4,370.0	4,335.3	4,305.9	4,271.7	11.7	12.3	-133.46	292.6	-316.0	608.0	585.8	22.20	27.384	
4,465.0	4,428.8	4,398.5	4,363.1	12.0	12.7	-133.42	304.8	-325.3	628.9	606.1	22.85	27.528	
4,560.0	4,522.4	4,491.2	4,454.5	12.3	13.0	-133.38	317.0	-334.5	649.9	626.4	23.49	27.661	
4,655.0	4,615.9	4,583.9	4,545.9	12.6	13.3	-133.34	329.2	-343.7	670.8	646.6	24.14	27.785	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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			Offset Wellbore Centre		Distance				Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,750.0	4,709.5	4,676.5	4,637.3	13.0	13.6	-133.30	341.4	-353.0	691.7	666.9	24.79	27.899		
4,845.0	4,803.0	4,769.2	4,728.7	13.3	13.9	-133.27	353.6	-362.2	712.6	687.2	25.45	28.004		
4,940.0	4,896.6	4,861.9	4,820.1	13.6	14.3	-133.23	365.8	-371.5	733.6	707.5	26.10	28.103		
5,035.0	4,990.2	4,954.5	4,911.5	13.9	14.6	-133.20	378.0	-380.7	754.5	727.7	26.76	28.194		
5,130.0	5,083.7	5,047.2	5,002.9	14.3	14.9	-133.18	390.1	-389.9	775.4	748.0	27.42	28.279		
5,225.0	5,177.3	5,139.9	5,094.3	14.6	15.2	-133.15	402.3	-399.2	796.3	768.3	28.08	28.359		
5,320.0	5,270.8	5,232.5	5,185.7	14.9	15.5	-133.12	414.5	-408.4	817.3	788.5	28.74	28.433		
5,415.0	5,364.4	5,325.2	5,277.1	15.3	15.9	-133.10	426.7	-417.6	838.2	808.8	29.41	28.503		
5,510.0	5,457.9	5,417.9	5,368.5	15.6	16.2	-133.08	438.9	-426.9	859.1	829.0	30.07	28.568		
5,605.0	5,551.5	5,510.5	5,459.8	15.9	16.5	-133.05	451.1	-436.1	880.0	849.3	30.74	28.630		
5,700.0	5,645.1	5,603.2	5,551.2	16.3	16.9	-133.03	463.3	-445.3	901.0	869.6	31.41	28.687		
5,795.0	5,738.6	5,695.8	5,642.6	16.6	17.2	-133.01	475.5	-454.6	921.9	889.8	32.08	28.742		
5,890.0	5,832.2	5,788.5	5,734.0	16.9	17.5	-132.99	487.7	-463.8	942.8	910.1	32.75	28.793		
5,985.0	5,925.7	5,881.2	5,825.4	17.3	17.8	-132.98	499.9	-473.1	963.7	930.3	33.42	28.841		
6,080.0	6,019.3	5,973.8	5,916.8	17.6	18.2	-132.96	512.1	-482.3	984.7	950.6	34.09	28.886		

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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)	Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-90.48	-0.5	-60.0	60.0				
95.0	95.0	93.0	93.0	3.0	3.0	-90.48	-0.5	-60.0	60.0	54.0	6.00	10.000	
190.0	190.0	188.0	188.0	3.0	3.0	-90.48	-0.5	-60.0	60.0	54.0	6.00	9.996	
285.0	285.0	283.0	283.0	3.0	3.0	-90.48	-0.5	-60.0	60.0	54.0	6.01	9.987	
380.0	380.0	378.0	378.0	3.0	3.0	-90.48	-0.5	-60.0	60.0	54.0	6.02	9.974	
475.0	475.0	473.0	473.0	3.0	3.0	-90.48	-0.5	-60.0	60.0	54.0	6.03	9.955	
570.0	570.0	568.0	568.0	3.1	3.1	-90.48	-0.5	-60.0	60.0	54.0	6.04	9.932	
665.0	665.0	663.0	663.0	3.1	3.1	-90.48	-0.5	-60.0	60.0	53.9	6.06	9.905	
760.0	760.0	758.0	758.0	3.1	3.1	-90.48	-0.5	-60.0	60.0	53.9	6.08	9.872	
855.0	855.0	853.0	853.0	3.2	3.2	-90.48	-0.5	-60.0	60.0	53.9	6.10	9.836	
950.0	950.0	948.0	948.0	3.2	3.2	-90.48	-0.5	-60.0	60.0	53.9	6.13	9.795	
1,045.0	1,045.0	1,043.0	1,043.0	3.3	3.3	-90.48	-0.5	-60.0	60.0	53.8	6.15	9.750	
1,140.0	1,140.0	1,138.0	1,138.0	3.3	3.3	-90.48	-0.5	-60.0	60.0	53.8	6.18	9.702	
1,235.0	1,235.0	1,233.0	1,233.0	3.4	3.4	-90.48	-0.5	-60.0	60.0	53.8	6.22	9.650	
1,330.0	1,330.0	1,328.0	1,328.0	3.4	3.4	-90.48	-0.5	-60.0	60.0	53.7	6.25	9.594	
1,425.0	1,425.0	1,423.0	1,423.0	3.5	3.5	-90.48	-0.5	-60.0	60.0	53.7	6.29	9.535	
1,520.0	1,520.0	1,518.0	1,518.0	3.6	3.6	-90.48	-0.5	-60.0	60.0	53.7	6.33	9.473	
1,615.0	1,615.0	1,613.0	1,613.0	3.6	3.6	-90.48	-0.5	-60.0	60.0	53.6	6.38	9.408	
1,710.0	1,710.0	1,708.0	1,708.0	3.7	3.7	-90.48	-0.5	-60.0	60.0	53.6	6.42	9.340 CC	
1,710.1	1,710.1	1,708.1	1,708.1	3.7	3.7	-90.48	-0.5	-60.0	60.0	53.6	6.42	9.340 ES	
1,805.0	1,805.0	1,802.9	1,802.9	3.8	3.8	-134.94	0.0	-60.0	60.4	53.9	6.49	9.304	
1,900.0	1,899.9	1,897.8	1,897.7	4.0	3.9	-134.07	3.3	-60.2	63.0	56.1	6.88	9.162	
1,995.0	1,994.7	1,992.4	1,992.1	4.6	3.9	-132.53	9.7	-60.7	68.1	60.6	7.44	9.143 SF	
2,090.0	2,089.2	2,086.8	2,086.0	5.2	4.0	-130.59	19.2	-61.3	75.6	67.7	7.94	9.518	
2,185.0	2,183.3	2,180.9	2,179.2	5.8	4.1	-128.53	31.8	-62.1	85.7	77.3	8.39	10.212	
2,280.0	2,277.0	2,274.9	2,272.2	6.0	4.2	-127.08	46.4	-63.1	98.0	89.4	8.61	11.382	
2,375.0	2,370.6	2,369.0	2,365.1	6.2	4.2	-126.33	61.1	-64.0	110.8	102.0	8.79	12.607	
2,470.0	2,464.1	2,463.2	2,458.1	6.3	4.3	-125.73	75.8	-65.0	123.7	114.7	9.02	13.713	
2,565.0	2,557.7	2,557.3	2,551.0	6.5	4.4	-125.25	90.4	-66.0	136.5	127.2	9.27	14.721	
2,660.0	2,651.2	2,651.4	2,644.0	6.7	4.5	-124.85	105.1	-66.9	149.4	139.8	9.55	15.646	
2,755.0	2,744.8	2,745.5	2,737.0	6.9	4.6	-124.52	119.8	-67.9	162.2	152.4	9.84	16.493	
2,850.0	2,838.4	2,839.7	2,829.9	7.2	4.7	-124.23	134.5	-68.9	175.1	165.0	10.14	17.269	
2,945.0	2,931.9	2,933.8	2,922.9	7.4	4.8	-123.98	149.2	-69.8	188.0	177.5	10.46	17.978	
3,040.0	3,025.5	3,027.9	3,015.9	7.6	4.9	-123.77	163.9	-70.8	200.8	190.1	10.78	18.626	
3,135.0	3,119.0	3,122.0	3,108.8	7.9	5.0	-123.58	178.5	-71.7	213.7	202.6	11.12	19.219	
3,230.0	3,212.6	3,216.1	3,201.8	8.2	5.0	-123.41	193.2	-72.7	226.6	215.1	11.47	19.761	
3,325.0	3,306.1	3,310.3	3,294.8	8.4	5.1	-123.26	207.9	-73.7	239.5	227.7	11.82	20.256	
3,420.0	3,399.7	3,404.4	3,387.7	8.7	5.2	-123.12	222.6	-74.6	252.4	240.2	12.19	20.710	
3,515.0	3,493.3	3,498.5	3,480.7	9.0	5.3	-123.00	237.3	-75.6	265.2	252.7	12.56	21.125	
3,610.0	3,586.8	3,592.6	3,573.6	9.3	5.4	-122.89	252.0	-76.6	278.1	265.2	12.93	21.506	
3,705.0	3,680.4	3,686.7	3,666.6	9.6	5.5	-122.79	266.7	-77.5	291.0	277.7	13.32	21.854	
3,800.0	3,773.9	3,780.9	3,759.6	9.8	5.6	-122.70	281.3	-78.5	303.9	290.2	13.70	22.175	
3,895.0	3,867.5	3,875.0	3,852.5	10.1	5.7	-122.61	296.0	-79.5	316.8	302.7	14.10	22.468	
3,990.0	3,961.0	3,969.1	3,945.5	10.4	5.8	-122.54	310.7	-80.4	329.7	315.2	14.50	22.738	
4,085.0	4,054.6	4,063.2	4,038.5	10.8	5.9	-122.46	325.4	-81.4	342.5	327.6	14.90	22.986	
4,180.0	4,148.1	4,157.3	4,131.4	11.1	6.1	-122.40	340.1	-82.3	355.4	340.1	15.31	23.214	
4,275.0	4,241.7	4,251.5	4,224.4	11.4	6.2	-122.33	354.8	-83.3	368.3	352.6	15.72	23.425	
4,370.0	4,335.3	4,345.6	4,317.4	11.7	6.3	-122.28	369.4	-84.3	381.2	365.1	16.14	23.618	
4,465.0	4,428.8	4,439.7	4,410.3	12.0	6.4	-122.22	384.1	-85.2	394.1	377.5	16.56	23.796	
4,560.0	4,522.4	4,533.8	4,503.3	12.3	6.5	-122.17	398.8	-86.2	407.0	390.0	16.99	23.960	
4,655.0	4,615.9	4,628.0	4,596.2	12.6	6.6	-122.12	413.5	-87.2	419.9	402.5	17.41	24.112	
4,750.0	4,709.5	4,722.1	4,689.2	13.0	6.7	-122.08	428.2	-88.1	432.8	414.9	17.84	24.251	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,803.0	4,816.2	4,782.2	13.3	6.8	-122.04	442.9	-89.1	445.6	427.4	18.28	24.380	
4,940.0	4,896.6	4,910.3	4,875.1	13.6	6.9	-122.00	457.6	-90.1	458.5	439.8	18.72	24.498	
5,035.0	4,990.2	5,004.4	4,968.1	13.9	7.0	-121.96	472.2	-91.0	471.4	452.3	19.16	24.608	
5,130.0	5,083.7	5,098.6	5,061.1	14.3	7.1	-121.92	486.9	-92.0	484.3	464.7	19.60	24.709	
5,225.0	5,177.3	5,192.7	5,154.0	14.6	7.2	-121.89	501.6	-92.9	497.2	477.2	20.05	24.801	
5,320.0	5,270.8	5,286.8	5,247.0	14.9	7.3	-121.86	516.3	-93.9	510.1	489.6	20.50	24.887	
5,415.0	5,364.4	5,380.9	5,340.0	15.3	7.5	-121.83	531.0	-94.9	523.0	502.0	20.95	24.966	
5,510.0	5,457.9	5,475.0	5,432.9	15.6	7.6	-121.80	545.7	-95.8	535.9	514.5	21.40	25.038	
5,605.0	5,551.5	5,569.2	5,525.9	15.9	7.7	-121.77	560.3	-96.8	548.8	526.9	21.86	25.105	
5,700.0	5,645.1	5,663.3	5,618.8	16.3	7.8	-121.74	575.0	-97.8	561.6	539.3	22.32	25.166	
5,795.0	5,738.6	5,757.4	5,711.8	16.6	7.9	-121.72	589.7	-98.7	574.5	551.8	22.78	25.223	
5,890.0	5,832.2	5,851.5	5,804.8	16.9	8.0	-121.69	604.4	-99.7	587.4	564.2	23.24	25.274	
5,985.0	5,925.7	5,945.6	5,897.7	17.3	8.1	-121.67	619.1	-100.7	600.3	576.6	23.71	25.322	
6,080.0	6,019.3	6,039.8	5,990.7	17.6	8.2	-121.65	633.8	-101.6	613.2	589.0	24.18	25.365	
6,175.0	6,112.8	6,133.9	6,083.7	18.0	8.4	-121.63	648.5	-102.6	626.1	601.5	24.65	25.404	
6,270.0	6,206.4	6,228.0	6,176.6	18.3	8.5	-121.61	663.1	-103.5	639.0	613.9	25.12	25.440	
6,365.0	6,300.0	6,322.1	6,269.6	18.6	8.6	-121.59	677.8	-104.5	651.9	626.3	25.59	25.473	
6,460.0	6,393.5	6,416.5	6,362.8	19.0	8.7	-121.57	692.5	-105.5	664.8	638.7	26.07	25.502	
6,555.0	6,487.1	6,513.9	6,459.1	19.3	8.8	-121.63	706.8	-106.4	677.4	650.8	26.55	25.511	
6,650.0	6,580.6	6,611.3	6,555.7	19.7	8.9	-121.82	719.4	-107.2	689.6	662.6	27.03	25.511	
6,745.0	6,674.2	6,708.7	6,652.5	20.0	9.1	-122.14	730.3	-108.0	701.4	673.8	27.50	25.502	
6,840.0	6,767.7	6,806.1	6,749.4	20.3	9.2	-122.57	739.6	-108.6	712.7	684.7	27.96	25.488	
6,935.0	6,861.3	6,903.3	6,846.4	20.7	9.3	-123.12	747.3	-109.1	723.7	695.3	28.41	25.469	
7,030.0	6,954.9	7,000.5	6,943.3	21.0	9.4	-123.78	753.3	-109.5	734.4	705.5	28.86	25.449	
7,125.0	7,048.4	7,097.4	7,040.1	21.4	9.5	-124.53	757.7	-109.7	744.7	715.5	29.28	25.439	
7,220.0	7,142.0	7,194.0	7,136.7	21.7	9.6	-125.39	760.4	-109.9	754.9	725.2	29.68	25.436	
7,315.0	7,235.5	7,290.4	7,233.1	22.1	9.8	-126.34	761.5	-110.0	764.9	734.8	30.08	25.429	
7,410.0	7,329.1	7,384.4	7,327.1	22.4	9.9	-127.31	761.5	-110.0	774.9	744.4	30.47	25.430	
7,505.0	7,422.6	7,477.9	7,420.6	22.7	10.0	-128.26	761.5	-110.0	785.1	754.2	30.86	25.438	
7,600.0	7,516.2	7,571.5	7,514.2	23.1	10.1	-129.18	761.5	-110.0	795.5	764.2	31.25	25.453	
7,695.0	7,609.8	7,665.0	7,607.8	23.4	10.2	-130.09	761.5	-110.0	806.1	774.5	31.64	25.474	
7,790.0	7,703.3	7,758.6	7,701.3	23.8	10.3	-130.96	761.5	-110.0	816.9	784.9	32.04	25.499	
7,885.0	7,796.9	7,852.2	7,794.9	24.1	10.5	-131.82	761.5	-110.0	827.9	795.5	32.43	25.530	
7,980.0	7,890.4	7,945.7	7,888.4	24.5	10.6	-132.65	761.5	-110.0	839.1	806.3	32.82	25.564	
8,075.0	7,984.0	8,039.3	7,982.0	24.8	10.7	-133.47	761.5	-110.0	850.4	817.2	33.21	25.608	
8,170.0	8,077.7	8,133.0	8,075.7	25.2	10.8	-134.29	761.5	-110.0	861.3	827.7	33.59	25.637	
8,265.0	8,171.7	8,227.0	8,169.7	25.5	10.9	-135.02	761.5	-110.0	871.1	837.2	33.98	25.634	
8,360.0	8,265.9	8,321.2	8,263.9	25.8	11.0	-135.65	761.5	-110.0	880.0	845.6	34.37	25.602	
8,455.0	8,360.2	8,415.5	8,358.2	26.2	11.2	-136.19	761.5	-110.0	887.8	853.1	34.76	25.543	
8,550.0	8,454.8	8,510.1	8,452.8	26.5	11.3	-136.65	761.5	-110.0	894.6	859.4	35.14	25.455	
8,645.0	8,549.5	8,604.8	8,547.5	26.8	11.4	-137.02	761.5	-110.0	900.2	864.7	35.52	25.341	
8,740.0	8,644.3	8,699.6	8,642.3	27.2	11.5	-137.32	761.5	-110.0	904.7	868.8	35.90	25.200	
8,835.0	8,739.2	8,794.4	8,737.2	27.5	11.6	-137.53	761.5	-110.0	908.1	871.8	36.27	25.033	
8,930.0	8,834.1	8,889.4	8,832.1	27.8	11.7	-137.68	761.5	-110.0	910.3	873.6	36.65	24.840	
9,025.0	8,929.1	8,984.4	8,927.1	28.1	11.9	-137.74	761.5	-110.0	911.3	874.3	37.01	24.623	
9,120.0	9,024.1	9,079.4	9,022.1	28.4	12.0	-93.18	761.5	-110.0	911.4	874.0	37.36	24.393	
9,215.0	9,119.1	9,174.4	9,117.1	28.8	12.1	-93.18	761.5	-110.0	911.4	873.7	37.72	24.165	
9,310.0	9,214.1	9,269.4	9,212.1	29.1	12.2	-93.18	761.5	-110.0	911.4	873.3	38.07	23.938	
9,405.0	9,309.1	9,364.4	9,307.1	29.4	12.3	-93.18	761.5	-110.0	911.4	873.0	38.43	23.715	
9,500.0	9,404.1	9,459.4	9,402.1	29.7	12.5	-93.18	761.5	-110.0	911.4	872.6	38.79	23.496	
9,595.0	9,499.1	9,554.4	9,497.1	30.0	12.6	-93.18	761.5	-110.0	911.4	872.3	39.15	23.280	
9,690.0	9,594.1	9,649.4	9,592.1	30.3	12.7	-93.18	761.5	-110.0	911.4	871.9	39.51	23.068	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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		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	9,689.1	9,744.4	9,687.1	30.6	12.8	-93.18	761.5	-110.0	911.4	871.5	39.87	22.858	
9,880.0	9,784.1	9,839.4	9,782.1	31.0	12.9	-93.18	761.5	-110.0	911.4	871.2	40.23	22.653	
9,975.0	9,879.1	9,934.4	9,877.1	31.3	13.1	-93.18	761.5	-110.0	911.4	870.8	40.60	22.450	
10,070.0	9,974.1	10,029.4	9,972.1	31.6	13.2	-93.18	761.5	-110.0	911.4	870.4	40.96	22.251	
10,165.0	10,069.1	10,124.4	10,067.1	31.9	13.3	-93.18	761.5	-110.0	911.4	870.1	41.32	22.054	
10,260.0	10,164.1	10,219.4	10,162.1	32.2	13.4	-93.18	761.5	-110.0	911.4	869.7	41.69	21.861	
10,355.0	10,259.1	10,314.4	10,257.1	32.5	13.5	-93.18	761.5	-110.0	911.4	869.3	42.06	21.671	
10,450.0	10,354.1	10,409.4	10,352.1	32.9	13.7	-93.18	761.5	-110.0	911.4	869.0	42.42	21.484	
10,545.0	10,449.1	10,504.4	10,447.1	33.2	13.8	-93.18	761.5	-110.0	911.4	868.6	42.79	21.299	
10,640.0	10,544.1	10,599.4	10,542.1	33.5	13.9	-93.18	761.5	-110.0	911.4	868.2	43.16	21.118	
10,735.0	10,639.1	10,694.4	10,637.1	33.8	14.0	-93.18	761.5	-110.0	911.4	867.9	43.53	20.939	
10,830.0	10,734.1	10,789.4	10,732.1	34.1	14.1	-93.18	761.5	-110.0	911.4	867.5	43.90	20.763	
10,925.0	10,829.1	10,884.4	10,827.1	34.5	14.3	-93.18	761.5	-110.0	911.4	867.1	44.27	20.589	
11,020.0	10,924.1	10,979.4	10,922.1	34.8	14.4	-93.18	761.5	-110.0	911.4	866.8	44.64	20.418	
11,115.0	11,019.1	11,074.4	11,017.1	35.1	14.5	-93.18	761.5	-110.0	911.4	866.4	45.01	20.250	
11,210.0	11,114.1	11,169.4	11,112.1	35.4	14.6	-93.18	761.5	-110.0	911.4	866.0	45.38	20.084	
11,305.0	11,209.1	11,264.4	11,207.1	35.7	14.7	-93.18	761.5	-110.0	911.4	865.6	45.75	19.921	
11,400.0	11,304.1	11,359.4	11,302.1	36.1	14.9	-93.18	761.5	-110.0	911.4	865.3	46.12	19.760	
11,495.0	11,399.1	11,454.4	11,397.1	36.4	15.0	-93.18	761.5	-110.0	911.4	864.9	46.50	19.601	
11,590.0	11,494.1	11,549.4	11,492.1	36.7	15.1	-93.18	761.5	-110.0	911.4	864.5	46.87	19.445	
11,685.0	11,589.1	11,644.4	11,587.1	37.0	15.2	-93.18	761.5	-110.0	911.4	864.2	47.24	19.291	
11,693.2	11,597.3	11,652.6	11,595.3	37.1	15.2	105.87	761.5	-110.0	911.4	864.1	47.26	19.283	
11,780.0	11,684.1	11,739.4	11,682.1	37.2	15.3	105.88	761.5	-110.0	911.4	863.9	47.47	19.199	
11,875.0	11,778.3	11,833.6	11,776.3	37.2	15.5	106.17	761.5	-110.0	914.4	866.9	47.51	19.245	
11,970.0	11,868.6	11,923.9	11,866.6	37.2	15.6	106.82	761.5	-110.0	923.1	875.6	47.54	19.418	
12,065.0	11,951.3	12,006.6	11,949.3	37.2	15.6	107.41	761.5	-110.0	938.7	891.2	47.57	19.734	
12,160.0	12,023.2	12,055.9	11,998.5	37.2	15.7	106.28	759.4	-110.7	963.4	915.8	47.56	20.256	
12,255.0	12,081.4	12,100.0	12,042.2	37.2	15.7	103.80	753.4	-112.8	998.0	950.4	47.63	20.952	

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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) - QUIJOTE 2 STATE COM #706H - OWB - AWP													Offset Site Error:	0.0 usft	
Survey Program:		151-MWD		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	3.0 usft
Measured Depth Depth (usft)	Reference Vertical Depth (usft)	Measured Depth Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
17,005.0	12,154.8	11,858.8	11,821.6	51.7	46.4	-69.79	-4,579.6	1,939.8	981.2	894.4	86.78	11.307			
17,100.0	12,154.8	11,898.0	11,853.1	52.2	47.4	-71.77	-4,602.9	1,938.6	937.5	849.1	88.44	10.601			
17,195.0	12,154.8	11,898.0	11,853.1	52.6	47.4	-71.77	-4,602.9	1,938.6	900.1	810.3	89.85	10.018			
17,290.0	12,154.8	11,941.2	11,886.4	53.1	47.8	-73.93	-4,630.5	1,938.3	869.0	777.5	91.53	9.495			
17,385.0	12,154.8	11,993.0	11,925.0	53.7	48.2	-76.56	-4,664.8	1,941.2	846.8	753.5	93.29	9.077			
17,480.0	12,154.8	11,993.0	11,925.0	54.2	48.2	-76.56	-4,664.8	1,941.2	831.1	736.1	94.94	8.754			
17,575.0	12,154.8	12,048.0	11,963.8	54.7	48.5	-79.27	-4,703.4	1,946.5	823.6	726.9	96.68	8.519			
17,639.2	12,154.8	12,088.0	11,990.2	55.0	48.7	-81.13	-4,733.1	1,950.7	822.4	724.6	97.80	8.409	CC		
17,670.0	12,154.8	12,104.8	12,000.9	55.2	48.7	-81.88	-4,746.0	1,952.6	822.8	724.5	98.28	8.371	ES		
17,765.0	12,154.8	12,173.0	12,041.6	55.7	48.9	-84.76	-4,800.1	1,960.3	827.2	727.6	99.66	8.300			
17,860.0	12,154.8	12,288.6	12,098.3	56.3	49.2	-88.71	-4,900.1	1,971.5	834.2	733.4	100.77	8.278			
17,955.0	12,154.8	12,425.0	12,132.9	56.8	49.4	-91.09	-5,031.1	1,977.7	838.0	736.4	101.57	8.250			
18,050.0	12,154.8	12,499.7	12,135.7	57.3	49.4	-91.28	-5,105.7	1,980.2	840.8	738.3	102.51	8.202			
18,145.0	12,154.8	12,562.0	12,135.8	57.9	49.3	-91.27	-5,167.9	1,984.6	846.9	743.3	103.51	8.181			
18,240.0	12,154.8	12,633.3	12,135.5	58.4	49.3	-91.25	-5,238.8	1,991.8	856.0	751.5	104.51	8.191			
18,335.0	12,154.8	12,731.4	12,135.7	59.0	49.4	-91.24	-5,336.2	2,003.6	866.8	761.4	105.44	8.221			
18,430.0	12,154.8	12,873.8	12,132.6	59.5	49.4	-91.02	-5,478.0	2,016.0	874.6	768.2	106.36	8.223			
18,525.0	12,154.8	12,995.3	12,131.4	60.1	49.5	-90.94	-5,599.4	2,020.8	877.7	770.3	107.41	8.171			
18,620.0	12,154.8	13,092.8	12,132.6	60.6	49.6	-91.02	-5,696.9	2,023.2	879.4	770.9	108.52	8.103			
18,715.0	12,154.8	13,182.7	12,134.0	61.2	49.8	-91.10	-5,786.7	2,025.6	881.4	771.7	109.69	8.035			
18,810.0	12,154.8	13,305.1	12,135.2	61.8	50.2	-91.18	-5,909.0	2,028.4	883.2	772.3	110.90	7.964			
18,905.0	12,154.8	13,407.7	12,135.6	62.4	50.6	-91.21	-6,011.7	2,027.4	881.7	769.5	112.18	7.860			
19,000.0	12,154.8	13,502.4	12,135.2	62.9	51.2	-91.18	-6,106.3	2,026.6	880.3	766.8	113.48	7.757			
19,095.0	12,154.8	13,604.9	12,134.4	63.5	51.9	-91.14	-6,208.8	2,025.3	878.5	763.7	114.82	7.652			
19,190.0	12,154.8	13,695.8	12,133.7	64.1	52.6	-91.09	-6,299.7	2,023.9	876.5	760.3	116.19	7.543			
19,285.0	12,154.8	13,792.6	12,132.3	64.7	53.4	-91.00	-6,396.5	2,022.6	874.6	757.0	117.61	7.437			
19,380.0	12,154.8	13,870.4	12,131.1	65.3	54.0	-90.92	-6,474.3	2,022.2	873.5	754.4	119.03	7.338			
19,385.3	12,154.8	13,874.6	12,131.0	65.3	54.1	-90.92	-6,478.5	2,022.2	873.5	754.4	119.11	7.333			
19,475.0	12,154.8	13,967.6	12,130.2	65.8	54.9	-90.87	-6,571.5	2,022.9	873.6	753.1	120.52	7.249			
19,518.7	12,154.8	14,008.0	12,129.6	66.1	55.3	-90.83	-6,611.9	2,023.0	873.4	752.2	121.21	7.206			
19,570.0	12,154.8	14,044.6	12,129.3	66.4	55.7	-90.81	-6,648.5	2,023.5	873.9	751.9	121.98	7.164			
19,665.0	12,154.8	14,119.1	12,129.6	67.0	56.4	-90.82	-6,723.0	2,026.3	876.8	753.4	123.42	7.104			
19,760.0	12,154.8	14,205.6	12,130.4	67.6	57.3	-90.87	-6,809.3	2,030.8	881.1	756.2	124.94	7.052			
19,855.0	12,154.8	14,299.5	12,131.2	68.2	58.3	-90.92	-6,903.1	2,036.2	886.1	759.5	126.53	7.003			
19,950.0	12,154.8	14,402.7	12,132.2	68.8	59.4	-90.98	-7,006.1	2,041.4	890.3	762.0	128.21	6.944			
20,045.0	12,154.8	14,495.4	12,132.6	69.4	60.4	-91.00	-7,098.7	2,046.0	894.3	764.5	129.84	6.888			
20,140.0	12,154.8	14,592.2	12,132.5	70.0	61.5	-90.99	-7,195.4	2,050.8	898.5	767.0	131.52	6.832			
20,235.0	12,154.8	14,695.7	12,132.3	70.7	62.7	-90.97	-7,298.8	2,055.3	902.0	768.7	133.29	6.767			
20,330.0	12,154.8	14,798.3	12,131.3	71.3	63.9	-90.90	-7,401.3	2,058.8	904.7	769.6	135.07	6.698			
20,425.0	12,154.8	14,900.7	12,129.6	71.9	65.1	-90.80	-7,503.6	2,061.5	906.6	769.7	136.87	6.624			
20,520.0	12,154.8	15,009.6	12,129.7	72.5	66.4	-90.80	-7,612.6	2,063.2	907.5	768.8	138.73	6.541			
20,615.0	12,154.8	15,117.1	12,130.4	73.1	67.7	-90.85	-7,720.1	2,063.1	906.8	766.2	140.60	6.450			
20,710.0	12,154.8	15,215.7	12,131.4	73.7	69.0	-90.91	-7,818.7	2,062.1	905.3	762.9	142.42	6.356			
20,805.0	12,154.8	15,310.8	12,134.0	74.4	70.2	-91.08	-7,913.7	2,061.0	903.7	759.4	144.25	6.264			
20,900.0	12,154.8	15,403.2	12,137.0	75.0	71.3	-91.27	-8,006.1	2,060.0	902.1	756.0	146.08	6.175			
20,995.0	12,154.8	15,495.9	12,139.5	75.6	72.5	-91.43	-8,098.7	2,059.3	900.9	753.0	147.93	6.090			
21,090.0	12,154.8	15,588.1	12,141.1	76.2	73.7	-91.53	-8,190.9	2,058.8	899.9	750.1	149.77	6.008			
21,185.0	12,154.8	15,677.5	12,142.5	76.9	74.9	-91.63	-8,280.3	2,058.8	899.3	747.7	151.61	5.932			
21,223.1	12,154.8	15,713.4	12,142.8	77.1	75.4	-91.64	-8,316.1	2,059.0	899.3	746.9	152.35	5.903			
21,280.0	12,154.8	15,767.4	12,142.8	77.5	76.1	-91.64	-8,370.1	2,059.4	899.4	745.9	153.46	5.861			
21,375.0	12,154.8	15,868.7	12,141.4	78.1	77.5	-91.56	-8,471.4	2,060.2	899.5	744.1	155.41	5.788			
21,470.0	12,154.8	15,962.8	12,139.1	78.8	78.7	-91.41	-8,565.5	2,060.4	899.1	741.8	157.32	5.715			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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) - QUIJOTE 2 STATE COM #706H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 151-MWD													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
21,565.0	12,154.8	16,069.1	12,135.9	79.4	80.2	-91.20	-8,671.7	2,060.3	898.4	739.1	159.33	5.639		
21,660.0	12,154.8	16,166.9	12,133.2	80.0	81.5	-91.04	-8,769.5	2,059.3	896.7	735.5	161.29	5.560		
21,755.0	12,154.8	16,260.8	12,129.7	80.7	82.8	-90.82	-8,863.4	2,058.2	895.0	731.8	163.22	5.484		
21,850.0	12,154.8	16,344.4	12,126.7	81.3	84.0	-90.62	-8,946.9	2,057.8	894.0	728.9	165.07	5.416		
21,881.8	12,154.8	16,371.7	12,126.1	81.5	84.4	-90.58	-8,974.2	2,057.9	893.9	728.2	165.68	5.395		
21,945.0	12,154.8	16,424.9	12,125.5	82.0	85.1	-90.54	-9,027.4	2,058.6	894.3	727.4	166.89	5.359		
22,040.0	12,154.8	16,511.9	12,126.1	82.6	86.3	-90.58	-9,114.4	2,060.7	896.0	727.2	168.77	5.309		
22,135.0	12,154.8	16,607.3	12,127.5	83.2	87.7	-90.67	-9,209.7	2,063.3	898.0	727.3	170.77	5.259		
22,230.0	12,154.8	16,699.8	12,128.0	83.9	89.0	-90.70	-9,302.2	2,065.8	900.0	727.2	172.74	5.210		
22,325.0	12,154.8	16,792.3	12,128.7	84.5	90.3	-90.74	-9,394.7	2,068.7	902.4	727.7	174.71	5.165		
22,420.0	12,154.8	16,885.8	12,129.3	85.2	91.7	-90.78	-9,488.1	2,071.7	904.9	728.2	176.71	5.121		
22,515.0	12,154.8	16,980.7	12,130.0	85.8	93.0	-90.82	-9,582.9	2,074.9	907.6	728.9	178.73	5.078		
22,610.0	12,154.8	17,057.0	12,130.7	86.5	94.1	-90.86	-9,659.2	2,077.4	910.3	729.9	180.45	5.045 SF		
22,636.6	12,154.8	17,057.0	12,130.7	86.7	94.1	-90.86	-9,659.2	2,077.4	912.0	731.5	180.48	5.053		

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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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													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	-60.71	405.1	-722.2	828.1				
95.0	95.0	90.2	90.2	3.0	4.2	-60.70	405.4	-722.3	828.3	821.0	7.24	114.357	
190.0	190.0	184.4	184.4	3.0	4.2	-60.65	406.1	-722.3	828.7	821.4	7.25	114.356	
285.0	285.0	278.4	278.4	3.0	4.3	-60.59	407.2	-722.2	829.0	821.8	7.25	114.300	
380.0	380.0	377.9	377.9	3.0	4.3	-60.53	408.0	-722.0	829.3	822.0	7.26	114.165	
475.0	475.0	472.9	472.9	3.0	4.3	-60.48	408.6	-721.6	829.2	821.9	7.28	113.958	
493.7	493.7	491.0	490.9	3.1	4.3	-60.47	408.7	-721.5	829.2	821.9	7.28	113.911	
570.0	570.0	564.3	564.2	3.1	4.3	-60.42	409.4	-721.2	829.3	822.1	7.29	113.716	
665.0	665.0	658.1	658.1	3.1	4.3	-60.37	410.2	-721.3	829.8	822.5	7.32	113.435	
760.0	760.0	752.1	752.1	3.1	4.3	-60.33	411.0	-721.5	830.3	823.0	7.34	113.092	
855.0	855.0	842.6	842.6	3.2	4.4	-60.27	412.1	-721.7	831.2	823.8	7.37	112.736	
950.0	950.0	939.6	939.6	3.2	4.4	-60.23	413.2	-722.4	832.3	824.9	7.41	112.296	
1,045.0	1,045.0	1,033.1	1,033.0	3.3	4.4	-60.21	414.0	-723.1	833.3	825.8	7.45	111.778	
1,140.0	1,140.0	1,129.1	1,129.0	3.3	4.4	-60.18	414.9	-723.9	834.4	826.9	7.50	111.185	
1,235.0	1,235.0	1,221.2	1,221.2	3.4	4.5	-60.14	415.8	-724.5	835.4	827.8	7.56	110.550	
1,330.0	1,330.0	1,317.0	1,316.9	3.4	4.5	-60.12	416.9	-725.4	836.8	829.1	7.62	109.859	
1,425.0	1,425.0	1,412.0	1,411.9	3.5	4.6	-60.07	418.0	-726.2	837.9	830.3	7.68	109.107	
1,520.0	1,520.0	1,503.8	1,503.7	3.6	4.6	-60.02	419.3	-726.9	839.3	831.6	7.75	108.348	
1,615.0	1,615.0	1,594.1	1,594.0	3.6	4.6	-59.97	420.8	-728.0	841.1	833.3	7.82	107.591	
1,710.0	1,710.0	1,691.4	1,691.3	3.7	4.7	-59.94	422.2	-729.4	842.9	835.0	7.90	106.733	
1,805.0	1,805.0	1,809.9	1,809.8	3.8	4.7	-104.48	423.7	-729.9	844.1	836.2	7.98	105.783	
1,861.1	1,861.1	1,866.7	1,866.5	3.9	4.8	-104.54	424.0	-729.1	844.0	836.0	8.07	104.599	
1,900.0	1,899.9	1,906.2	1,906.0	4.0	4.8	-104.63	424.2	-728.5	844.1	836.0	8.11	104.105	
1,995.0	1,994.7	1,996.9	1,996.7	4.6	4.8	-104.95	424.8	-727.4	845.0	836.7	8.35	101.192	
2,090.0	2,089.2	2,088.7	2,088.5	5.2	4.8	-105.45	425.5	-726.6	847.2	838.5	8.62	98.224	
2,185.0	2,183.3	2,182.3	2,182.1	5.8	4.9	-106.14	426.3	-726.0	850.5	841.6	8.93	95.231	
2,280.0	2,277.0	2,274.8	2,274.6	6.0	4.9	-107.01	427.0	-725.4	854.9	845.8	9.16	93.355	
2,375.0	2,370.6	2,370.1	2,369.9	6.2	5.0	-108.01	427.8	-724.9	859.9	850.5	9.38	91.632	
2,470.0	2,464.1	2,463.1	2,462.9	6.3	5.0	-108.98	428.5	-724.4	865.0	855.3	9.65	89.680	
2,565.0	2,557.7	2,555.2	2,555.0	6.5	5.1	-109.93	429.1	-723.9	870.4	860.5	9.93	87.663	
2,660.0	2,651.2	2,648.7	2,648.5	6.7	5.2	-110.89	429.5	-723.7	876.2	866.0	10.23	85.681	
2,755.0	2,744.8	2,742.2	2,742.0	6.9	5.2	-111.87	429.6	-723.7	882.3	871.8	10.54	83.714	
2,850.0	2,838.4	2,833.6	2,833.4	7.2	5.2	-112.83	429.6	-723.8	888.8	877.9	10.87	81.773	
2,945.0	2,931.9	2,927.7	2,927.5	7.4	5.2	-113.80	429.6	-723.9	895.5	884.3	11.20	79.932	
3,040.0	3,025.5	3,025.1	3,024.9	7.6	5.2	-114.79	429.5	-724.0	902.4	890.9	11.54	78.217	
3,135.0	3,119.0	3,123.6	3,123.4	7.9	5.2	-115.78	429.2	-723.6	909.1	897.2	11.86	76.624	
3,230.0	3,212.6	3,224.2	3,224.0	8.2	5.3	-116.76	428.9	-722.3	915.2	903.0	12.20	75.016	
3,325.0	3,306.1	3,325.0	3,324.8	8.4	5.3	-117.72	428.5	-720.4	921.0	908.5	12.55	73.417	
3,420.0	3,399.7	3,419.4	3,419.2	8.7	5.3	-118.61	428.1	-718.3	926.7	913.8	12.89	71.869	
3,515.0	3,493.3	3,518.8	3,518.5	9.0	5.3	-119.50	427.9	-715.5	932.2	918.9	13.25	70.336	
3,610.0	3,586.8	3,600.0	3,599.7	9.3	5.4	-120.22	427.9	-713.1	937.8	924.2	13.61	68.928	
3,705.0	3,680.4	3,679.0	3,678.7	9.6	5.4	-120.94	427.8	-712.5	945.5	931.6	13.96	67.728	
3,800.0	3,773.9	3,771.9	3,771.6	9.8	5.5	-121.77	427.9	-712.3	954.0	939.7	14.33	66.572	
3,895.0	3,867.5	3,866.9	3,866.5	10.1	5.5	-122.62	427.6	-712.3	962.9	948.2	14.70	65.490	
3,990.0	3,961.0	3,967.8	3,967.5	10.4	5.5	-123.50	427.4	-711.9	971.6	956.5	15.09	64.400	
4,085.0	4,054.6	4,073.3	4,072.9	10.8	5.5	-124.43	426.6	-710.1	979.1	963.6	15.48	63.231	
4,180.0	4,148.1	4,173.2	4,172.9	11.1	5.6	-125.29	425.5	-707.7	986.2	970.3	15.88	62.098	
4,275.0	4,241.7	4,288.1	4,287.6	11.4	5.6	-126.30	423.7	-703.3	992.0	975.7	16.30	60.867	
4,370.0	4,335.3	4,381.9	4,381.3	11.7	5.7	-127.14	421.6	-698.7	997.0	980.4	16.70	59.709 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 #801H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #801H	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 3368.8ft @ 3398.8usft

Offset Depths are relative to Offset Datum

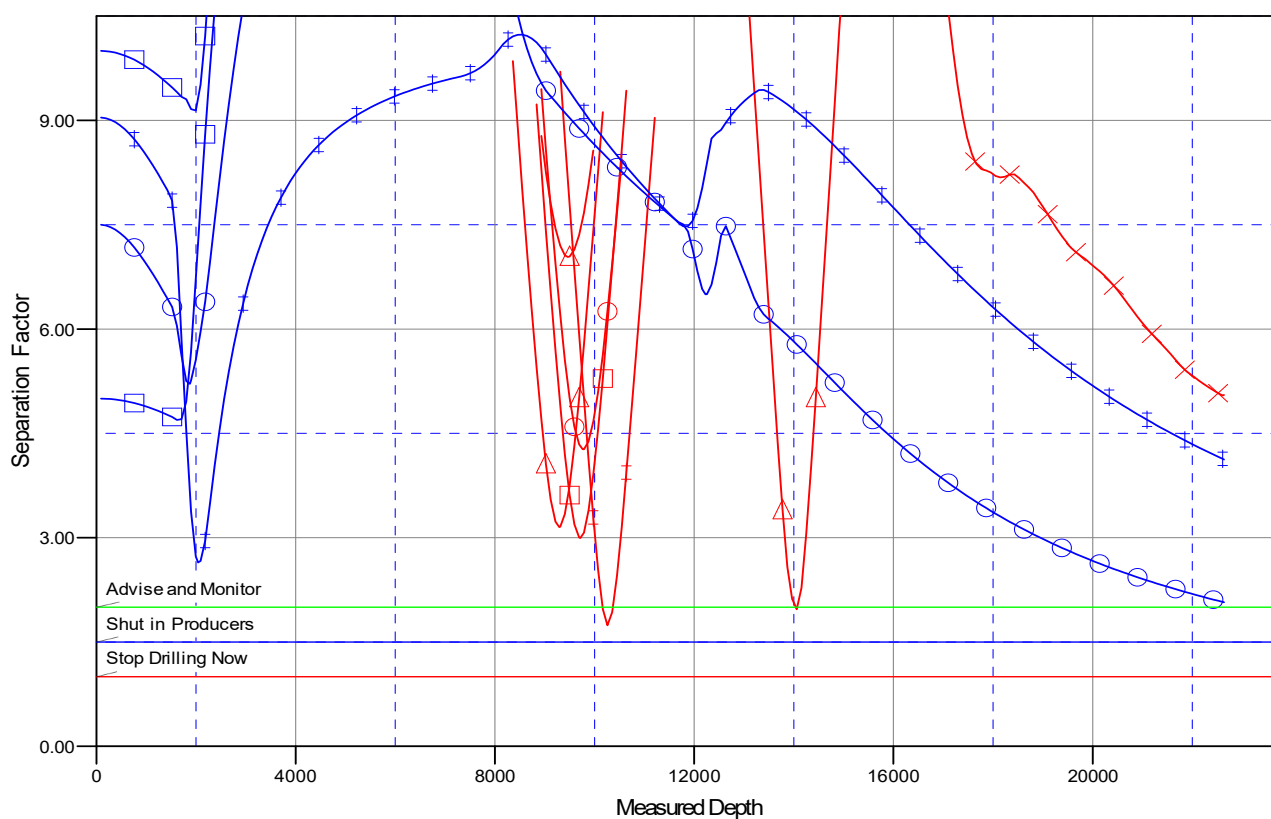
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: HARRIER FEDERAL COM #801H

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 #801H, OWB, AWP V0	HARRIER FEDERAL COM #803H, OWB, AWP V0	HARRIER FEDERAL COM #802H, OWB, PWP0 V0
HARRIER FEDERAL COM #801H, OWB, AWP V0	HARRIER FEDERAL COM #801H, OWB, PWP0 V0	QUOTE 2 STATE COM #706H OWB, AWP V0
HARRIER FEDERAL COM #801H, OWB, AWP V0	HARRIER FEDERAL COM #802H, OWB, PWP0 V0	HARRIER FEDERAL COM #802H, OWB, AWP V0
HARRIER FEDERAL COM #801H, OWB, AWP V0	HARRIER FEDERAL COM #803H, OWB, PWP0 V0	
HARRIER FEDERAL COM #802H, OWB, AWP V0	HARRIER FEDERAL COM #804H, 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 #801H

300254989100

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 #801H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #801H	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 #801H			
Well Position	+N/-S	-846.3 usft	Northing:	397,790.80 usft
	+E/-W	-30,451.7 usft	Easting:	711,435.70 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	
			Latitude:	32° 5' 30.491 N
			Longitude:	103° 39' 2.149 W
			Ground Level:	3,368.8 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	3/1/2023	6.39	59.65	47,397.19785504

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	173.15

Plan Survey Tool Program	Date	7/16/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	1,750.0 PWP0 (OWB)	Standard Keeper 104	
			Standard Wireline Keeper ver 1	
2	1,750.0	11,773.2 PWP0 (OWB)	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Multi-St	
3	11,773.2	22,636.6 PWP0 (OWB)	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Multi-St	

ConocoPhillips
Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #801H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,750.0	0.00	0.00	1,750.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,250.0	10.00	44.57	2,247.4	31.0	30.5	2.00	2.00	0.00	44.57	
8,063.0	10.00	44.57	7,972.1	750.0	738.9	0.00	0.00	0.00	0.00	
9,062.9	0.00	0.00	8,967.0	812.0	800.0	1.00	-1.00	0.00	180.00	
11,773.2	0.00	0.00	11,677.3	812.0	800.0	0.00	0.00	0.00	0.00	
12,523.2	90.00	160.95	12,154.8	360.7	955.8	12.00	12.00	0.00	160.95	
13,458.2	90.00	179.65	12,154.8	-556.9	1,112.7	2.00	0.00	2.00	90.00	
22,586.6	90.00	179.65	12,154.8	-9,685.1	1,168.4	0.00	0.00	0.00	0.00	LTP (HARRIER FED)
22,636.6	90.00	179.65	12,154.8	-9,735.1	1,168.7	0.00	0.00	0.00	0.00	PBHL (HARRIER FED)

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #801H	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
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,750.0	0.00	0.00	1,750.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,800.0	1.00	44.57	1,800.0	0.3	0.3	-0.3	2.00	2.00	0.00
1,900.0	3.00	44.57	1,899.9	2.8	2.8	-2.4	2.00	2.00	0.00
2,000.0	5.00	44.57	1,999.7	7.8	7.7	-6.8	2.00	2.00	0.00
2,100.0	7.00	44.57	2,099.1	15.2	15.0	-13.3	2.00	2.00	0.00
2,200.0	9.00	44.57	2,198.2	25.1	24.8	-22.0	2.00	2.00	0.00
2,250.0	10.00	44.57	2,247.4	31.0	30.5	-27.1	2.00	2.00	0.00
Start 5813.0 hold at 2250.0 MD									
2,300.0	10.00	44.57	2,296.7	37.2	36.6	-32.6	0.00	0.00	0.00
2,400.0	10.00	44.57	2,395.2	49.6	48.8	-43.4	0.00	0.00	0.00
2,500.0	10.00	44.57	2,493.7	61.9	61.0	-54.2	0.00	0.00	0.00
2,600.0	10.00	44.57	2,592.1	74.3	73.2	-65.0	0.00	0.00	0.00
2,700.0	10.00	44.57	2,690.6	86.7	85.4	-75.9	0.00	0.00	0.00
2,800.0	10.00	44.57	2,789.1	99.0	97.6	-86.7	0.00	0.00	0.00
2,900.0	10.00	44.57	2,887.6	111.4	109.8	-97.5	0.00	0.00	0.00
3,000.0	10.00	44.57	2,986.1	123.8	121.9	-108.4	0.00	0.00	0.00
3,100.0	10.00	44.57	3,084.6	136.1	134.1	-119.2	0.00	0.00	0.00
3,200.0	10.00	44.57	3,183.0	148.5	146.3	-130.0	0.00	0.00	0.00
3,300.0	10.00	44.57	3,281.5	160.9	158.5	-140.8	0.00	0.00	0.00
3,400.0	10.00	44.57	3,380.0	173.2	170.7	-151.7	0.00	0.00	0.00
3,500.0	10.00	44.57	3,478.5	185.6	182.9	-162.5	0.00	0.00	0.00
3,600.0	10.00	44.57	3,577.0	198.0	195.1	-173.3	0.00	0.00	0.00
3,700.0	10.00	44.57	3,675.4	210.4	207.2	-184.2	0.00	0.00	0.00
3,800.0	10.00	44.57	3,773.9	222.7	219.4	-195.0	0.00	0.00	0.00
3,900.0	10.00	44.57	3,872.4	235.1	231.6	-205.8	0.00	0.00	0.00
4,000.0	10.00	44.57	3,970.9	247.5	243.8	-216.6	0.00	0.00	0.00
4,100.0	10.00	44.57	4,069.4	259.8	256.0	-227.5	0.00	0.00	0.00
4,200.0	10.00	44.57	4,167.8	272.2	268.2	-238.3	0.00	0.00	0.00
4,300.0	10.00	44.57	4,266.3	284.6	280.4	-249.1	0.00	0.00	0.00
4,400.0	10.00	44.57	4,364.8	296.9	292.5	-259.9	0.00	0.00	0.00
4,500.0	10.00	44.57	4,463.3	309.3	304.7	-270.8	0.00	0.00	0.00
4,600.0	10.00	44.57	4,561.8	321.7	316.9	-281.6	0.00	0.00	0.00
4,700.0	10.00	44.57	4,660.3	334.0	329.1	-292.4	0.00	0.00	0.00
4,800.0	10.00	44.57	4,758.7	346.4	341.3	-303.3	0.00	0.00	0.00
4,900.0	10.00	44.57	4,857.2	358.8	353.5	-314.1	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #801H	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	10.00	44.57	4,955.7	371.1	365.7	-324.9	0.00	0.00	0.00
5,100.0	10.00	44.57	5,054.2	383.5	377.8	-335.7	0.00	0.00	0.00
5,200.0	10.00	44.57	5,152.7	395.9	390.0	-346.6	0.00	0.00	0.00
5,300.0	10.00	44.57	5,251.1	408.3	402.2	-357.4	0.00	0.00	0.00
5,400.0	10.00	44.57	5,349.6	420.6	414.4	-368.2	0.00	0.00	0.00
5,500.0	10.00	44.57	5,448.1	433.0	426.6	-379.1	0.00	0.00	0.00
5,600.0	10.00	44.57	5,546.6	445.4	438.8	-389.9	0.00	0.00	0.00
5,700.0	10.00	44.57	5,645.1	457.7	451.0	-400.7	0.00	0.00	0.00
5,800.0	10.00	44.57	5,743.5	470.1	463.2	-411.5	0.00	0.00	0.00
5,900.0	10.00	44.57	5,842.0	482.5	475.3	-422.4	0.00	0.00	0.00
6,000.0	10.00	44.57	5,940.5	494.8	487.5	-433.2	0.00	0.00	0.00
6,100.0	10.00	44.57	6,039.0	507.2	499.7	-444.0	0.00	0.00	0.00
6,200.0	10.00	44.57	6,137.5	519.6	511.9	-454.9	0.00	0.00	0.00
6,300.0	10.00	44.57	6,235.9	531.9	524.1	-465.7	0.00	0.00	0.00
6,400.0	10.00	44.57	6,334.4	544.3	536.3	-476.5	0.00	0.00	0.00
6,500.0	10.00	44.57	6,432.9	556.7	548.5	-487.3	0.00	0.00	0.00
6,600.0	10.00	44.57	6,531.4	569.0	560.6	-498.2	0.00	0.00	0.00
6,700.0	10.00	44.57	6,629.9	581.4	572.8	-509.0	0.00	0.00	0.00
6,800.0	10.00	44.57	6,728.4	593.8	585.0	-519.8	0.00	0.00	0.00
6,900.0	10.00	44.57	6,826.8	606.2	597.2	-530.7	0.00	0.00	0.00
7,000.0	10.00	44.57	6,925.3	618.5	609.4	-541.5	0.00	0.00	0.00
7,100.0	10.00	44.57	7,023.8	630.9	621.6	-552.3	0.00	0.00	0.00
7,200.0	10.00	44.57	7,122.3	643.3	633.8	-563.1	0.00	0.00	0.00
7,300.0	10.00	44.57	7,220.8	655.6	645.9	-574.0	0.00	0.00	0.00
7,400.0	10.00	44.57	7,319.2	668.0	658.1	-584.8	0.00	0.00	0.00
7,500.0	10.00	44.57	7,417.7	680.4	670.3	-595.6	0.00	0.00	0.00
7,600.0	10.00	44.57	7,516.2	692.7	682.5	-606.4	0.00	0.00	0.00
7,700.0	10.00	44.57	7,614.7	705.1	694.7	-617.3	0.00	0.00	0.00
7,800.0	10.00	44.57	7,713.2	717.5	706.9	-628.1	0.00	0.00	0.00
7,900.0	10.00	44.57	7,811.6	729.8	719.1	-638.9	0.00	0.00	0.00
8,000.0	10.00	44.57	7,910.1	742.2	731.2	-649.8	0.00	0.00	0.00
8,063.0	10.00	44.57	7,972.1	750.0	738.9	-656.6	0.00	0.00	0.00
Start Drop -1.00									
8,100.0	9.63	44.57	8,008.6	754.5	743.3	-660.5	1.00	-1.00	0.00
8,200.0	8.63	44.57	8,107.4	765.8	754.5	-670.4	1.00	-1.00	0.00
8,300.0	7.63	44.57	8,206.4	775.9	764.4	-679.2	1.00	-1.00	0.00
8,400.0	6.63	44.57	8,305.6	784.7	773.1	-687.0	1.00	-1.00	0.00
8,500.0	5.63	44.57	8,405.0	792.3	780.6	-693.6	1.00	-1.00	0.00
8,600.0	4.63	44.57	8,504.6	798.7	786.9	-699.2	1.00	-1.00	0.00
8,700.0	3.63	44.57	8,604.3	803.8	791.9	-703.7	1.00	-1.00	0.00
8,800.0	2.63	44.57	8,704.2	807.7	795.8	-707.1	1.00	-1.00	0.00
8,900.0	1.63	44.57	8,804.1	810.4	798.4	-709.4	1.00	-1.00	0.00
9,000.0	0.63	44.57	8,904.1	811.8	799.8	-710.6	1.00	-1.00	0.00
9,062.9	0.00	0.00	8,967.0	812.0	800.0	-710.9	1.00	-1.00	0.00
Start 2710.3 hold at 9062.9 MD									
9,100.0	0.00	0.00	9,004.1	812.0	800.0	-710.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,104.1	812.0	800.0	-710.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,204.1	812.0	800.0	-710.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,304.1	812.0	800.0	-710.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,404.1	812.0	800.0	-710.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,504.1	812.0	800.0	-710.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,604.1	812.0	800.0	-710.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,704.1	812.0	800.0	-710.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,804.1	812.0	800.0	-710.9	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #801H	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	9,904.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,100.0	0.00	0.00	10,004.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,200.0	0.00	0.00	10,104.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,300.0	0.00	0.00	10,204.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,400.0	0.00	0.00	10,304.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,500.0	0.00	0.00	10,404.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,600.0	0.00	0.00	10,504.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,700.0	0.00	0.00	10,604.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,800.0	0.00	0.00	10,704.1	812.0	800.0	-710.9	0.00	0.00	0.00
10,900.0	0.00	0.00	10,804.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,000.0	0.00	0.00	10,904.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,100.0	0.00	0.00	11,004.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,200.0	0.00	0.00	11,104.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,300.0	0.00	0.00	11,204.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,400.0	0.00	0.00	11,304.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,500.0	0.00	0.00	11,404.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,600.0	0.00	0.00	11,504.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,700.0	0.00	0.00	11,604.1	812.0	800.0	-710.9	0.00	0.00	0.00
11,773.2	0.00	0.00	11,677.3	812.0	800.0	-710.9	0.00	0.00	0.00
Start Build 12.00									
11,775.0	0.21	160.95	11,679.1	812.0	800.0	-710.9	12.00	12.00	0.00
11,800.0	3.21	160.95	11,704.1	811.3	800.2	-710.1	12.00	12.00	0.00
11,825.0	6.21	160.95	11,729.0	809.4	800.9	-708.1	12.00	12.00	0.00
11,850.0	9.21	160.95	11,753.8	806.2	802.0	-704.8	12.00	12.00	0.00
11,875.0	12.21	160.95	11,778.3	801.8	803.5	-700.3	12.00	12.00	0.00
11,900.0	15.21	160.95	11,802.6	796.2	805.5	-694.5	12.00	12.00	0.00
11,925.0	18.21	160.95	11,826.6	789.4	807.8	-687.5	12.00	12.00	0.00
11,950.0	21.21	160.95	11,850.1	781.4	810.6	-679.2	12.00	12.00	0.00
11,975.0	24.21	160.95	11,873.1	772.3	813.7	-669.8	12.00	12.00	0.00
12,000.0	27.21	160.95	11,895.7	762.0	817.2	-659.2	12.00	12.00	0.00
12,025.0	30.21	160.95	11,917.6	750.7	821.2	-647.5	12.00	12.00	0.00
12,050.0	33.21	160.95	11,938.9	738.3	825.5	-634.6	12.00	12.00	0.00
12,075.0	36.21	160.95	11,959.4	724.8	830.1	-620.7	12.00	12.00	0.00
12,100.0	39.21	160.95	11,979.2	710.4	835.1	-605.8	12.00	12.00	0.00
12,125.0	42.21	160.95	11,998.1	695.0	840.4	-589.8	12.00	12.00	0.00
12,150.0	45.21	160.95	12,016.2	678.6	846.1	-572.9	12.00	12.00	0.00
12,175.0	48.21	160.95	12,033.3	661.4	852.0	-555.2	12.00	12.00	0.00
12,200.0	51.21	160.95	12,049.5	643.4	858.2	-536.5	12.00	12.00	0.00
12,225.0	54.21	160.95	12,064.6	624.6	864.7	-517.1	12.00	12.00	0.00
12,250.0	57.21	160.95	12,078.7	605.1	871.4	-496.9	12.00	12.00	0.00
12,275.0	60.21	160.95	12,091.7	584.9	878.4	-476.0	12.00	12.00	0.00
12,300.0	63.21	160.95	12,103.6	564.1	885.6	-454.5	12.00	12.00	0.00
12,325.0	66.21	160.95	12,114.2	542.7	893.0	-432.4	12.00	12.00	0.00
12,350.0	69.21	160.95	12,123.7	520.9	900.5	-409.8	12.00	12.00	0.00
12,375.0	72.21	160.95	12,132.0	498.6	908.2	-386.8	12.00	12.00	0.00
12,400.0	75.21	160.95	12,139.0	475.9	916.1	-363.3	12.00	12.00	0.00
12,425.0	78.21	160.95	12,144.7	452.9	924.0	-339.5	12.00	12.00	0.00
12,450.0	81.21	160.95	12,149.2	429.6	932.0	-315.5	12.00	12.00	0.00
12,475.0	84.21	160.95	12,152.4	406.2	940.1	-291.2	12.00	12.00	0.00
12,500.0	87.21	160.95	12,154.2	382.6	948.3	-266.9	12.00	12.00	0.00
12,523.2	90.00	160.95	12,154.8	360.7	955.8	-244.2	12.00	12.00	0.00
Start DLS 2.00 TFO 90.00									
12,600.0	90.00	162.49	12,154.8	287.8	979.9	-168.9	2.00	0.00	2.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #801H	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	164.49	12,154.8	191.9	1,008.3	-70.4	2.00	0.00	2.00
12,800.0	90.00	166.49	12,154.8	95.1	1,033.4	28.7	2.00	0.00	2.00
12,900.0	90.00	168.49	12,154.8	-2.5	1,055.1	128.2	2.00	0.00	2.00
13,000.0	90.00	170.49	12,154.8	-100.8	1,073.3	228.0	2.00	0.00	2.00
13,100.0	90.00	172.49	12,154.8	-199.7	1,088.1	328.0	2.00	0.00	2.00
13,200.0	90.00	174.49	12,154.8	-299.1	1,099.5	428.0	2.00	0.00	2.00
13,300.0	90.00	176.49	12,154.8	-398.7	1,107.3	527.9	2.00	0.00	2.00
13,400.0	90.00	178.49	12,154.8	-498.6	1,111.7	627.6	2.00	0.00	2.00
13,458.2	90.00	179.65	12,154.8	-556.9	1,112.7	685.5	2.00	0.00	2.00
Start 9128.4 hold at 13458.2 MD									
13,500.0	90.00	179.65	12,154.8	-598.6	1,112.9	727.0	0.00	0.00	0.00
13,600.0	90.00	179.65	12,154.8	-698.6	1,113.5	826.4	0.00	0.00	0.00
13,700.0	90.00	179.65	12,154.8	-798.6	1,114.2	925.7	0.00	0.00	0.00
13,800.0	90.00	179.65	12,154.8	-898.6	1,114.8	1,025.1	0.00	0.00	0.00
13,900.0	90.00	179.65	12,154.8	-998.6	1,115.4	1,124.4	0.00	0.00	0.00
14,000.0	90.00	179.65	12,154.8	-1,098.6	1,116.0	1,223.8	0.00	0.00	0.00
14,100.0	90.00	179.65	12,154.8	-1,198.6	1,116.6	1,323.2	0.00	0.00	0.00
14,200.0	90.00	179.65	12,154.8	-1,298.6	1,117.2	1,422.5	0.00	0.00	0.00
14,300.0	90.00	179.65	12,154.8	-1,398.6	1,117.8	1,521.9	0.00	0.00	0.00
14,400.0	90.00	179.65	12,154.8	-1,498.6	1,118.4	1,621.2	0.00	0.00	0.00
14,500.0	90.00	179.65	12,154.8	-1,598.6	1,119.0	1,720.6	0.00	0.00	0.00
14,600.0	90.00	179.65	12,154.8	-1,698.6	1,119.6	1,820.0	0.00	0.00	0.00
14,700.0	90.00	179.65	12,154.8	-1,798.6	1,120.3	1,919.3	0.00	0.00	0.00
14,800.0	90.00	179.65	12,154.8	-1,898.6	1,120.9	2,018.7	0.00	0.00	0.00
14,900.0	90.00	179.65	12,154.8	-1,998.6	1,121.5	2,118.0	0.00	0.00	0.00
15,000.0	90.00	179.65	12,154.8	-2,098.6	1,122.1	2,217.4	0.00	0.00	0.00
15,100.0	90.00	179.65	12,154.8	-2,198.6	1,122.7	2,316.7	0.00	0.00	0.00
15,200.0	90.00	179.65	12,154.8	-2,298.6	1,123.3	2,416.1	0.00	0.00	0.00
15,300.0	90.00	179.65	12,154.8	-2,398.6	1,123.9	2,515.5	0.00	0.00	0.00
15,400.0	90.00	179.65	12,154.8	-2,498.6	1,124.5	2,614.8	0.00	0.00	0.00
15,500.0	90.00	179.65	12,154.8	-2,598.6	1,125.1	2,714.2	0.00	0.00	0.00
15,600.0	90.00	179.65	12,154.8	-2,698.6	1,125.8	2,813.5	0.00	0.00	0.00
15,700.0	90.00	179.65	12,154.8	-2,798.6	1,126.4	2,912.9	0.00	0.00	0.00
15,800.0	90.00	179.65	12,154.8	-2,898.6	1,127.0	3,012.2	0.00	0.00	0.00
15,900.0	90.00	179.65	12,154.8	-2,998.6	1,127.6	3,111.6	0.00	0.00	0.00
16,000.0	90.00	179.65	12,154.8	-3,098.6	1,128.2	3,211.0	0.00	0.00	0.00
16,100.0	90.00	179.65	12,154.8	-3,198.6	1,128.8	3,310.3	0.00	0.00	0.00
16,200.0	90.00	179.65	12,154.8	-3,298.6	1,129.4	3,409.7	0.00	0.00	0.00
16,300.0	90.00	179.65	12,154.8	-3,398.6	1,130.0	3,509.0	0.00	0.00	0.00
16,400.0	90.00	179.65	12,154.8	-3,498.6	1,130.6	3,608.4	0.00	0.00	0.00
16,500.0	90.00	179.65	12,154.8	-3,598.6	1,131.2	3,707.8	0.00	0.00	0.00
16,600.0	90.00	179.65	12,154.8	-3,698.6	1,131.9	3,807.1	0.00	0.00	0.00
16,700.0	90.00	179.65	12,154.8	-3,798.6	1,132.5	3,906.5	0.00	0.00	0.00
16,800.0	90.00	179.65	12,154.8	-3,898.6	1,133.1	4,005.8	0.00	0.00	0.00
16,900.0	90.00	179.65	12,154.8	-3,998.6	1,133.7	4,105.2	0.00	0.00	0.00
17,000.0	90.00	179.65	12,154.8	-4,098.6	1,134.3	4,204.5	0.00	0.00	0.00
17,100.0	90.00	179.65	12,154.8	-4,198.6	1,134.9	4,303.9	0.00	0.00	0.00
17,200.0	90.00	179.65	12,154.8	-4,298.6	1,135.5	4,403.3	0.00	0.00	0.00
17,300.0	90.00	179.65	12,154.8	-4,398.6	1,136.1	4,502.6	0.00	0.00	0.00
17,400.0	90.00	179.65	12,154.8	-4,498.6	1,136.7	4,602.0	0.00	0.00	0.00
17,500.0	90.00	179.65	12,154.8	-4,598.6	1,137.4	4,701.3	0.00	0.00	0.00
17,600.0	90.00	179.65	12,154.8	-4,698.6	1,138.0	4,800.7	0.00	0.00	0.00
17,700.0	90.00	179.65	12,154.8	-4,798.5	1,138.6	4,900.1	0.00	0.00	0.00
17,800.0	90.00	179.65	12,154.8	-4,898.5	1,139.2	4,999.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #801H	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)
17,900.0	90.00	179.65	12,154.8	-4,998.5	1,139.8	5,098.8	0.00	0.00	0.00
18,000.0	90.00	179.65	12,154.8	-5,098.5	1,140.4	5,198.1	0.00	0.00	0.00
18,100.0	90.00	179.65	12,154.8	-5,198.5	1,141.0	5,297.5	0.00	0.00	0.00
18,200.0	90.00	179.65	12,154.8	-5,298.5	1,141.6	5,396.8	0.00	0.00	0.00
18,300.0	90.00	179.65	12,154.8	-5,398.5	1,142.2	5,496.2	0.00	0.00	0.00
18,400.0	90.00	179.65	12,154.8	-5,498.5	1,142.8	5,595.6	0.00	0.00	0.00
18,500.0	90.00	179.65	12,154.8	-5,598.5	1,143.5	5,694.9	0.00	0.00	0.00
18,600.0	90.00	179.65	12,154.8	-5,698.5	1,144.1	5,794.3	0.00	0.00	0.00
18,700.0	90.00	179.65	12,154.8	-5,798.5	1,144.7	5,893.6	0.00	0.00	0.00
18,800.0	90.00	179.65	12,154.8	-5,898.5	1,145.3	5,993.0	0.00	0.00	0.00
18,900.0	90.00	179.65	12,154.8	-5,998.5	1,145.9	6,092.3	0.00	0.00	0.00
19,000.0	90.00	179.65	12,154.8	-6,098.5	1,146.5	6,191.7	0.00	0.00	0.00
19,100.0	90.00	179.65	12,154.8	-6,198.5	1,147.1	6,291.1	0.00	0.00	0.00
19,200.0	90.00	179.65	12,154.8	-6,298.5	1,147.7	6,390.4	0.00	0.00	0.00
19,300.0	90.00	179.65	12,154.8	-6,398.5	1,148.3	6,489.8	0.00	0.00	0.00
19,400.0	90.00	179.65	12,154.8	-6,498.5	1,148.9	6,589.1	0.00	0.00	0.00
19,500.0	90.00	179.65	12,154.8	-6,598.5	1,149.6	6,688.5	0.00	0.00	0.00
19,600.0	90.00	179.65	12,154.8	-6,698.5	1,150.2	6,787.9	0.00	0.00	0.00
19,700.0	90.00	179.65	12,154.8	-6,798.5	1,150.8	6,887.2	0.00	0.00	0.00
19,800.0	90.00	179.65	12,154.8	-6,898.5	1,151.4	6,986.6	0.00	0.00	0.00
19,900.0	90.00	179.65	12,154.8	-6,998.5	1,152.0	7,085.9	0.00	0.00	0.00
20,000.0	90.00	179.65	12,154.8	-7,098.5	1,152.6	7,185.3	0.00	0.00	0.00
20,100.0	90.00	179.65	12,154.8	-7,198.5	1,153.2	7,284.6	0.00	0.00	0.00
20,200.0	90.00	179.65	12,154.8	-7,298.5	1,153.8	7,384.0	0.00	0.00	0.00
20,300.0	90.00	179.65	12,154.8	-7,398.5	1,154.4	7,483.4	0.00	0.00	0.00
20,400.0	90.00	179.65	12,154.8	-7,498.5	1,155.1	7,582.7	0.00	0.00	0.00
20,500.0	90.00	179.65	12,154.8	-7,598.5	1,155.7	7,682.1	0.00	0.00	0.00
20,600.0	90.00	179.65	12,154.8	-7,698.5	1,156.3	7,781.4	0.00	0.00	0.00
20,700.0	90.00	179.65	12,154.8	-7,798.5	1,156.9	7,880.8	0.00	0.00	0.00
20,800.0	90.00	179.65	12,154.8	-7,898.5	1,157.5	7,980.1	0.00	0.00	0.00
20,900.0	90.00	179.65	12,154.8	-7,998.5	1,158.1	8,079.5	0.00	0.00	0.00
21,000.0	90.00	179.65	12,154.8	-8,098.5	1,158.7	8,178.9	0.00	0.00	0.00
21,100.0	90.00	179.65	12,154.8	-8,198.5	1,159.3	8,278.2	0.00	0.00	0.00
21,200.0	90.00	179.65	12,154.8	-8,298.5	1,159.9	8,377.6	0.00	0.00	0.00
21,300.0	90.00	179.65	12,154.8	-8,398.5	1,160.5	8,476.9	0.00	0.00	0.00
21,400.0	90.00	179.65	12,154.8	-8,498.5	1,161.2	8,576.3	0.00	0.00	0.00
21,500.0	90.00	179.65	12,154.8	-8,598.5	1,161.8	8,675.7	0.00	0.00	0.00
21,600.0	90.00	179.65	12,154.8	-8,698.5	1,162.4	8,775.0	0.00	0.00	0.00
21,700.0	90.00	179.65	12,154.8	-8,798.5	1,163.0	8,874.4	0.00	0.00	0.00
21,800.0	90.00	179.65	12,154.8	-8,898.5	1,163.6	8,973.7	0.00	0.00	0.00
21,900.0	90.00	179.65	12,154.8	-8,998.5	1,164.2	9,073.1	0.00	0.00	0.00
22,000.0	90.00	179.65	12,154.8	-9,098.5	1,164.8	9,172.4	0.00	0.00	0.00
22,100.0	90.00	179.65	12,154.8	-9,198.5	1,165.4	9,271.8	0.00	0.00	0.00
22,200.0	90.00	179.65	12,154.8	-9,298.5	1,166.0	9,371.2	0.00	0.00	0.00
22,300.0	90.00	179.65	12,154.8	-9,398.5	1,166.7	9,470.5	0.00	0.00	0.00
22,400.0	90.00	179.65	12,154.8	-9,498.5	1,167.3	9,569.9	0.00	0.00	0.00
22,500.0	90.00	179.65	12,154.8	-9,598.5	1,167.9	9,669.2	0.00	0.00	0.00
22,586.6	90.00	179.65	12,154.8	-9,685.1	1,168.4	9,755.3	0.00	0.00	0.00
Start 50.0 hold at 22586.6 MD									
22,600.0	90.00	179.65	12,154.8	-9,698.5	1,168.5	9,768.6	0.00	0.00	0.00
22,636.6	90.00	179.65	12,154.8	-9,735.1	1,168.7	9,805.0	0.00	0.00	0.00
TD at 22636.6									

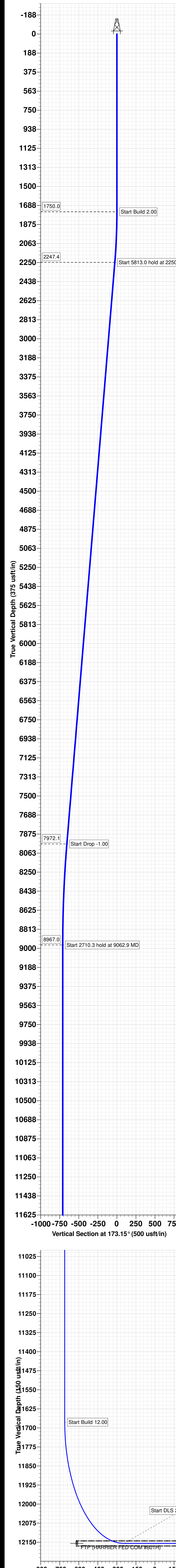
ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #801H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3368.8ft @ 3398.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #801H	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
PBHL (HARRIER FED C - plan hits target center - Rectangle (sides W100.0 H10,487.8 D20.0)	0.00	359.65	12,154.8	-9,735.1	1,168.7	388,055.70	712,604.40	32° 3' 54.080 N	103° 38' 49.284 W
FTP (HARRIER FED CC - plan misses target center by 285.9usft at 12240.6usft MD (12073.6 TVD, 612.5 N, 868.9 E) - Circle (radius 50.0)	0.00	0.00	12,154.8	752.5	1,104.6	398,543.30	712,540.30	32° 5' 37.868 N	103° 38' 49.254 W
LTP (HARRIER FED CC - plan hits target center - Point	0.00	0.00	12,154.8	-9,685.1	1,168.4	388,105.70	712,604.10	32° 3' 54.574 N	103° 38' 49.284 W

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
+N/-S (usft)	+E/-W (usft)			
1,750.0	1,750.0	0.0	0.0	Start Build 2.00
2,250.0	2,247.4	31.0	30.5	Start 5813.0 hold at 2250.0 MD
8,063.0	7,972.1	750.0	738.9	Start Drop -1.00
9,062.9	8,967.0	812.0	800.0	Start 2710.3 hold at 9062.9 MD
11,773.2	11,677.3	812.0	800.0	Start Build 12.00
12,523.2	12,154.8	360.7	955.8	Start DLS 2.00 TFO 90.00
13,458.2	12,154.8	-556.9	1,112.7	Start 9128.4 hold at 13458.2 MD
22,586.6	12,154.8	-9,685.1	1,168.4	Start 50.0 hold at 22586.6 MD
22,636.6	12,154.8	-9,735.1	1,168.7	TD at 22636.6

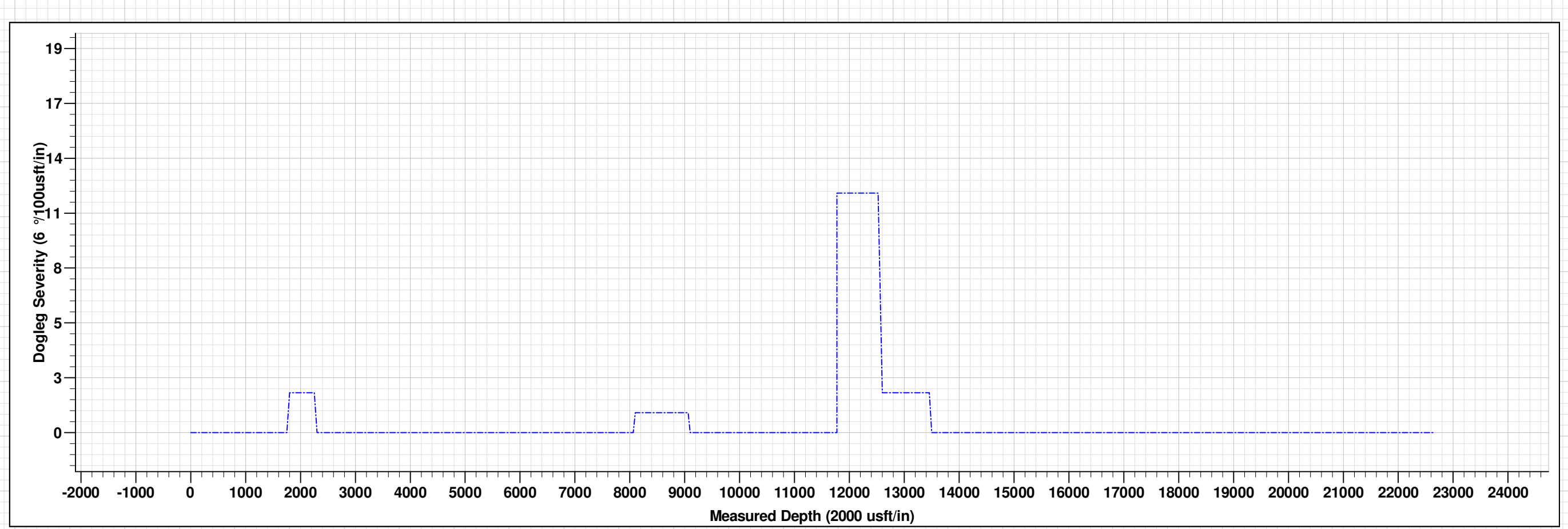
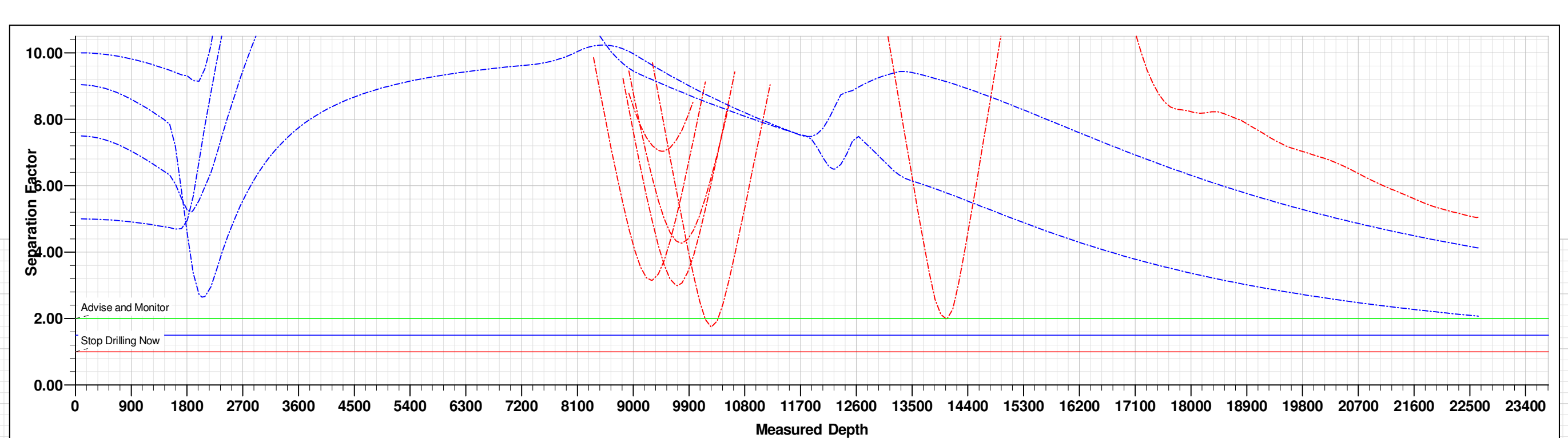


Azimuths to Grid North
True North: -0.36°
Magnetic North: 6.02°

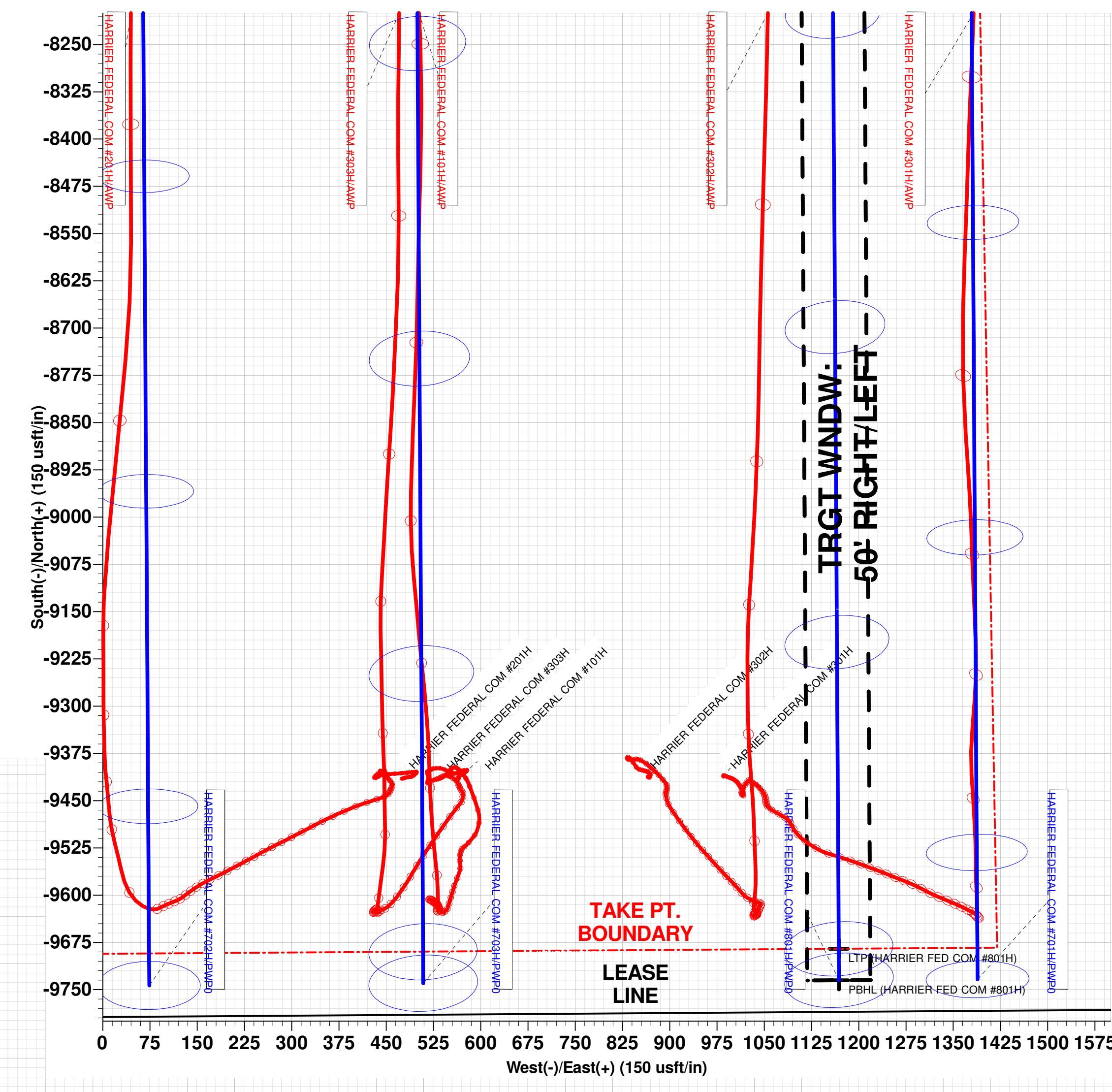
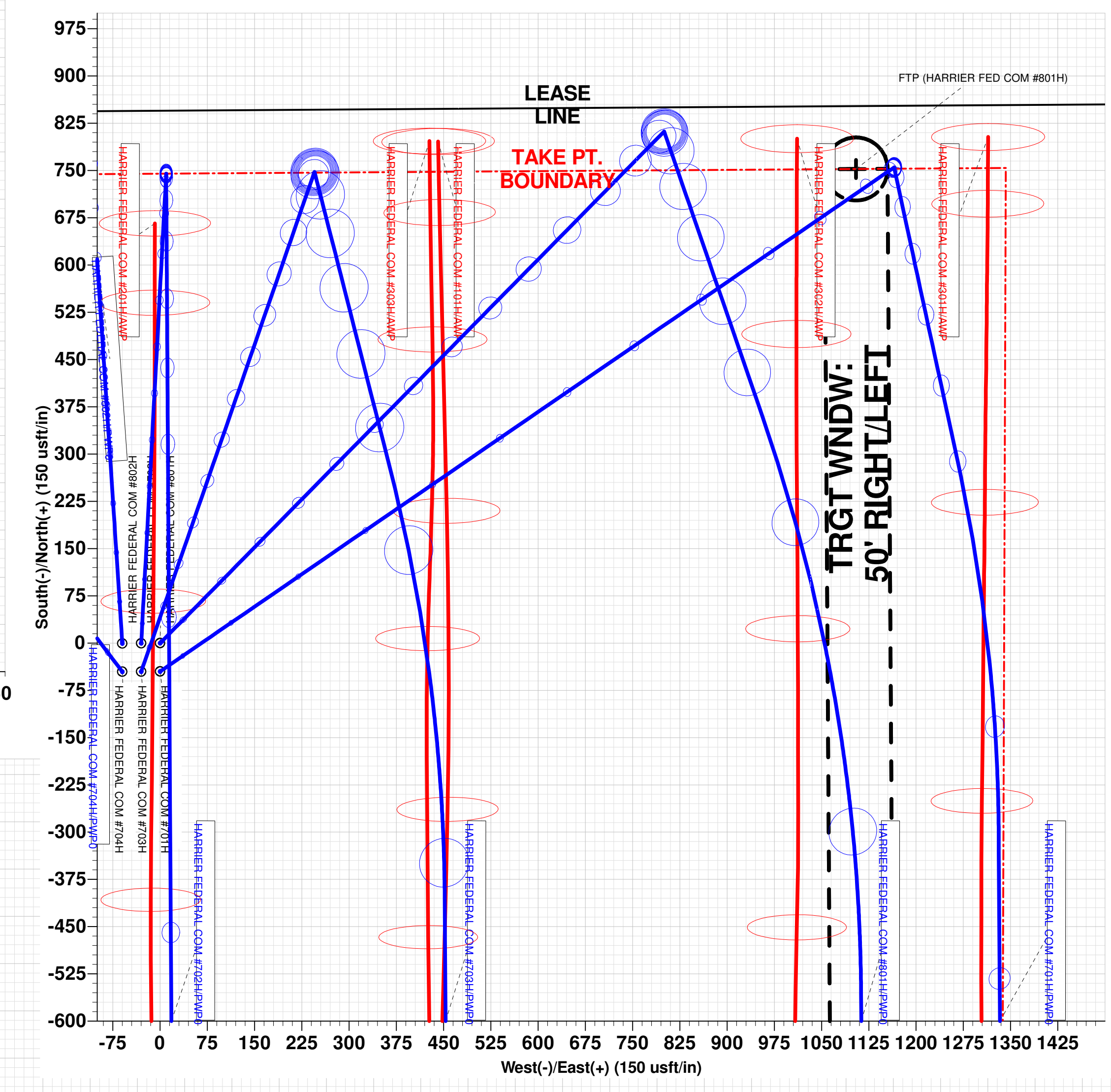
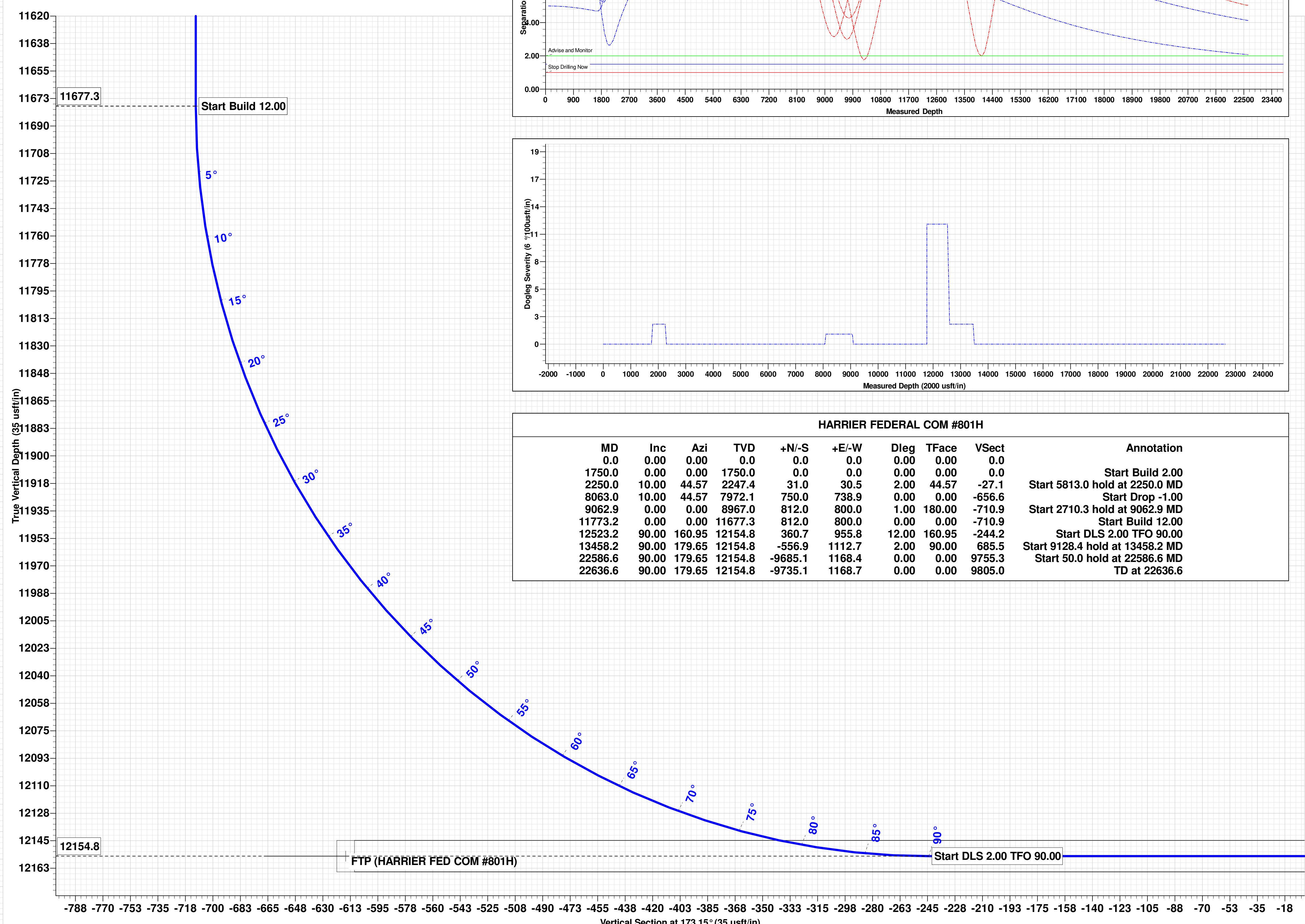
Magnetic Field
Strength: 47397.2nT
Dip Angle: 59.65°
Date: 3/1/2023
Model: BGGM2022

WELL DETAILS: HARRIER FEDERAL COM #801H					
+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	397790.80	711435.70	32° 5' 30.491 N	103° 3' 2.149 W

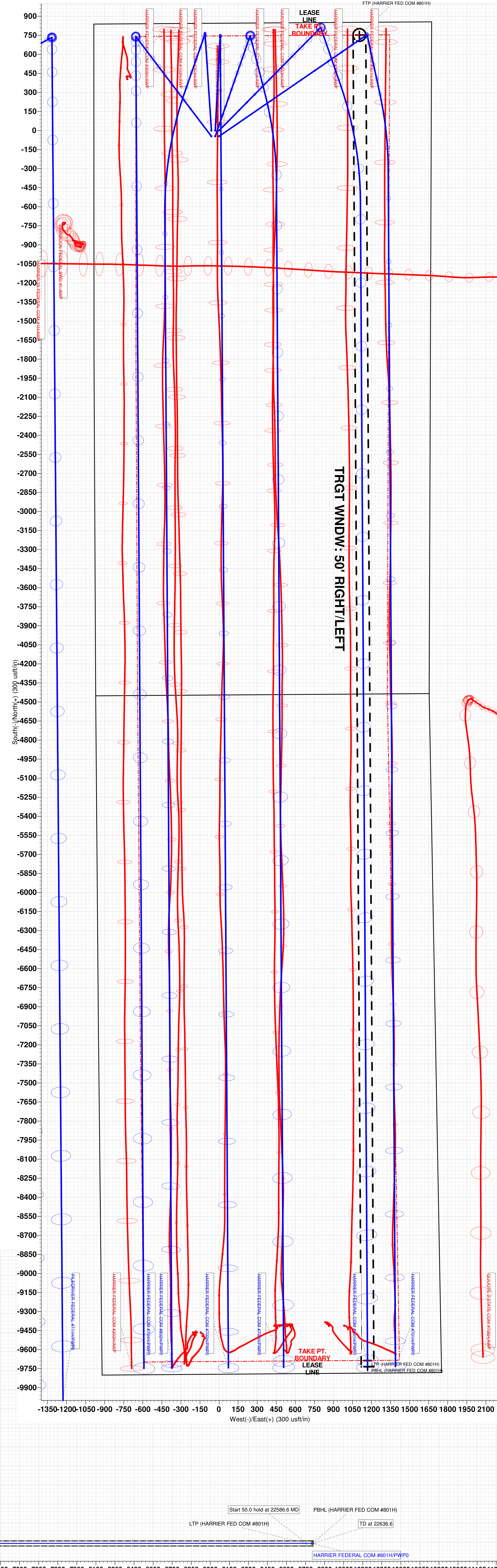
DESIGN TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude
FTP (HARRIER FED COM #801H)	12154.8	752.5	1104.6	398543.30	712540.30	32° 5' 37.868 N
LTP (HARRIER FED COM #801H)	12154.8	-9685.1	1168.4	388105.70	712604.10	32° 3' 54.574 N
PBHL (HARRIER FED COM #801H)	12154.8	-9735.1	1168.7	388055.70	712604.40	32° 3' 54.080 N



HARRIER FEDERAL COM #801H									
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
1750.0	0.00	0.00	1750.0	0.0	0.0	0.00	0.00	0.0	Start 5813.0 hold at 2250.0 MD
2250.0	10.00	44.57	2247.4	31.0	30.5	2.00	44.57	-27.1	Start Drop -1.00
8063.0	10.00	44.57	7972.1	750.0	738.9	0.00	0.00	-656.6	Start 2710.3 hold at 9062.9 MD
9062.9	0.00	0.00	8967.0	812.0	800.0	1.00	180.00	-710.9	Start Build 12.00
11773.2	0.00	0.00	11677.3	812.0	800.0	0.00	0.00	-710.9	Start DLS 2.00 TFO 90.00
12523.2	90.00	160.95	12154.8	360.7	955.8	12.00	160.95	-244.2	Start 9128.4 hold at 13458.2 MD
13458.2	90.00	179.65	12154.8	-556.9	1112.7	2.00	90.00	685.5	Start 50.0 hold at 22586.6 MD
22586.6	90.00	179.65	12154.8	-9685.1	1168.4	0.00	0.00	9755.3	TD at 22636.6
22636.6	90.00	179.65	12154.8	-9735.1	1168.7	0.00	0.00	9805.0	



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 171562

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 171562
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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