

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 ☐ Other

2. Name of Operator

COG OPERATING LLC

3a. Address **600 West Illinois Ave, Midland, TX 79701**3b. Phone No. (include area code)
(432) 683-7443

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

8. Well Name and No. **HARRIER FEDERAL COM/802H**9. API Well No. **3002549892**

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

SEC 35/T25S/R32E/NMP

10. Field and Pool or Exploratory Area
.WC-025 G-09 S253309P; UPPER WOLFCAMP

11. 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 & 660 ft FWL

Change BHL TO: 50 ft FSL & 550 ft FWL SWSW 2-26S-32E Lea Co, NM.

Change TD to: 22,835 MD, 12,429 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

12/21/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Petroleum Engineer

Title

12/22/2022

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 / 925 FWL / TWSP: 25S / RANGE: 32E / SECTION: 35 / LAT: 32.091927 / LONG: -103.651263 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 660 FWL / TWSP: 25S / RANGE: 32E / SECTION: 35 / LAT: 32.093975 / LONG: -103.652105 (TVD: 12331 feet, MD: 12367 feet)

BHL: SWSW / 50 FSL / 660 FWL / TWSP: 26S / RANGE: 32E / SECTION: 2 / LAT: 32.065144 / LONG: -103.65211 (TVD: 12519 feet, MD: 22528 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) 746-1283 Fax: (575) 746-9720

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 30-025-49892	Pool Code 98158	Pool Name WC-025 G-09 S253236A; Upper Wolfcamp
Property Code 325390	Property Name HARRIER FEDERAL COM	Well Number 802H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3366.8'

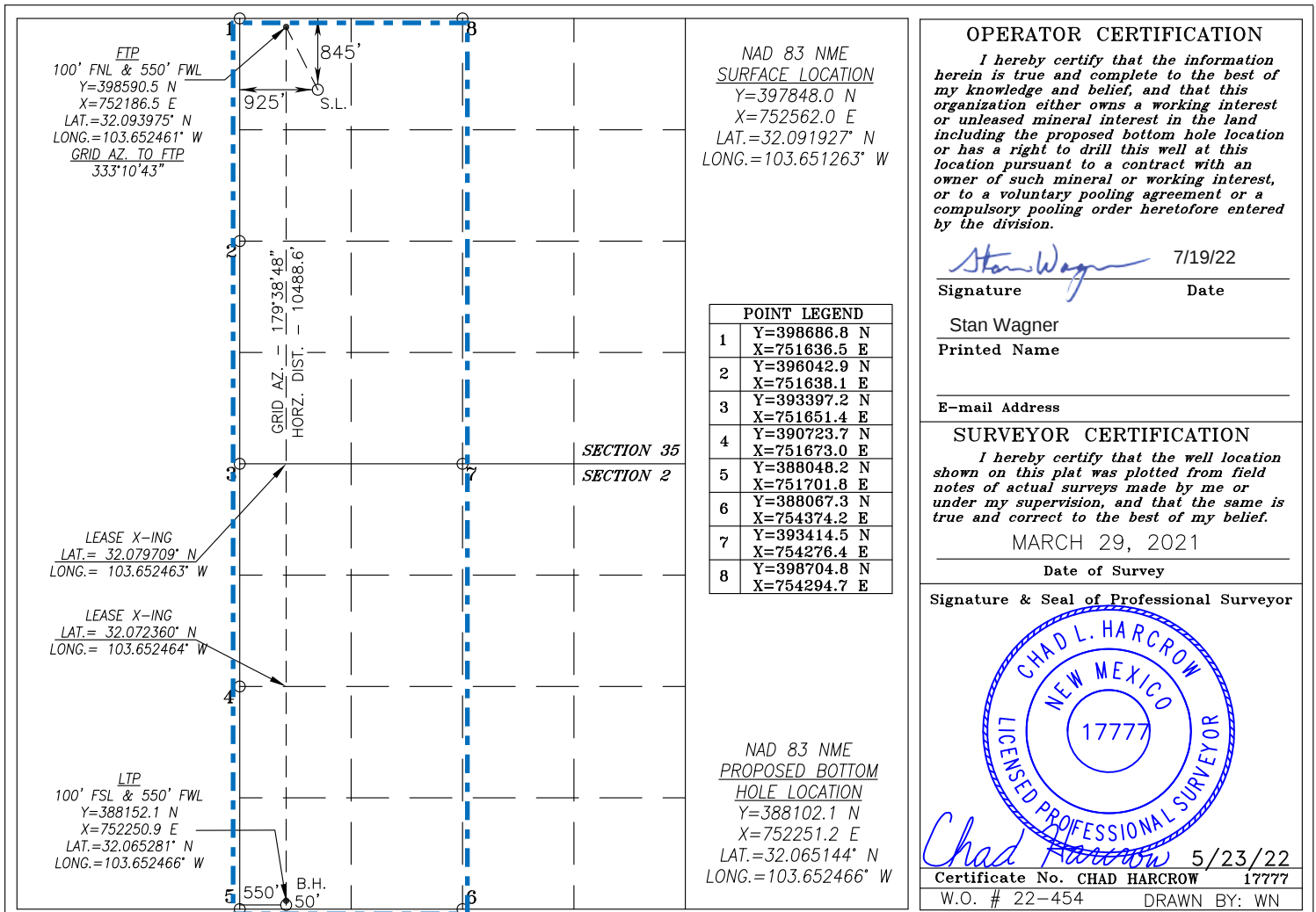
Surface Location

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	925	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	26-S	32-E		50	SOUTH	550	WEST	LEA
Dedicated Acres 640	Joint or Infill	Consolidation Code COM	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



COG Operating, LLC - Harrier Federal Com 802H

1. Geologic Formations

TVD of target	12,430' EOL	Pilot hole depth	NA
MD at TD:	22,835'	Deepest expected fresh water:	207'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	690	Water	
Top of Salt	1070	Salt	
Base of Salt	4444	Salt	
Lamar	4642	Salt Water	
Bell Canyon	4682	Salt Water	
Cherry Canyon	5672	Oil/Gas	
Brushy Canyon	7207	Oil/Gas	
Bone Spring Lime	8785	Oil/Gas	
1st Bone Spring Sand	9752	Oil/Gas	
2nd Bone Spring Sand	10360	Oil/Gas	
3rd Bone Spring Sand	10861	Oil/Gas	
Wolfcamp A	12103	Target	
Wolfcamp B	0	Not Penetrated	
Wolfcamp D	0	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1050	10.75"	45.5	J55	BTC	5.14	1.71	21.77	22.96
9.875"	0	8300	7.625"	29.7	L80-ICY	BTC	1.60	1.07	2.95	2.97
8.750"	8300	11800	7.625"	29.7	P110-ICY	W513	1.21	1.38	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	22,835	5.5"	23	P110-CY	W441	1.80	2.13	2.55	2.47
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 802H

	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 802H

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
	971	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 802H

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 802H

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 802H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	8080 psi at 12430' TVD
Abnormal Temperature	NO 180 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 #802H

300254989200

OWB

PWP0

Anticollision Report

17 July, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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	12,009.6	PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
12,009.6	22,834.5	PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
HARRIER FEDERAL PROJECT (LEA 2632)						
FEDERAL SUNSHINE ROYALTY #1 (P&A) - OWB - AW						Out of range
HARRIER 35 FEDERAL COM #1H - OWB - AWP	14,154.9	14,991.5	452.7	386.1	6.797	CC
HARRIER 35 FEDERAL COM #1H - OWB - AWP	14,155.0	14,991.5	452.7	386.1	6.797	ES
HARRIER 35 FEDERAL COM #1H - OWB - AWP	14,345.0	14,986.1	491.0	413.8	6.362	SF
HARRIER FEDERAL COM #101H - OWB - AWP	9,676.2	19,731.4	551.8	453.1	5.592	CC, ES, SF
HARRIER FEDERAL COM #102H - OWB - AWP	9,188.8	19,282.5	269.0	169.9	2.716	CC, ES, SF
HARRIER FEDERAL COM #201H - OWB - AWP	9,422.0	19,405.0	139.3	62.7	1.818	Advise and Monitor, CC, ES,
HARRIER FEDERAL COM #301H - OWB - AWP						Out of range
HARRIER FEDERAL COM #302H - OWB - AWP						Out of range
HARRIER FEDERAL COM #303H - OWB - AWP	9,252.7	19,231.5	537.8	439.6	5.476	CC, ES, SF
HARRIER FEDERAL COM #304H - OWB - AWP	10,165.0	20,355.4	207.3	107.5	2.078	ES, SF
HARRIER FEDERAL COM #304H - OWB - AWP	10,165.5	20,355.4	207.3	107.5	2.078	CC
HARRIER FEDERAL COM #305H - OWB - AWP	9,652.4	19,833.3	323.1	223.4	3.242	CC, ES, SF
HARRIER FEDERAL COM #701H - OWB - PWP0	1,432.8	1,432.0	74.7	68.1	11.396	CC
HARRIER FEDERAL COM #701H - OWB - PWP0	1,520.0	1,519.0	74.7	68.1	11.283	ES, SF
HARRIER FEDERAL COM #702H - OWB - PWP0	1,432.7	1,432.4	30.0	23.7	4.765	CC
HARRIER FEDERAL COM #702H - OWB - PWP0	1,520.0	1,519.7	30.0	23.7	4.737	ES
HARRIER FEDERAL COM #702H - OWB - PWP0	22,834.5	22,484.4	526.8	361.8	3.192	SF
HARRIER FEDERAL COM #703H - OWB - PWP0	1,887.9	1,890.0	45.2	38.3	6.518	CC, ES
HARRIER FEDERAL COM #703H - OWB - PWP0	22,834.5	22,791.5	880.0	712.1	5.241	SF
HARRIER FEDERAL COM #704H - OWB - PWP0	1,900.0	1,902.3	31.3	23.1	3.839	ES
HARRIER FEDERAL COM #704H - OWB - PWP0	1,914.1	1,916.3	31.2	23.2	3.875	CC
HARRIER FEDERAL COM #704H - OWB - PWP0	22,834.5	22,509.3	357.7	186.3	2.087	SF
HARRIER FEDERAL COM #801H - OWB - PWP0	1,710.0	1,712.0	60.0	53.6	9.339	CC
HARRIER FEDERAL COM #801H - OWB - PWP0	1,711.5	1,713.5	60.0	53.6	9.338	ES
HARRIER FEDERAL COM #801H - OWB - PWP0	1,995.0	1,993.1	68.1	60.7	9.169	SF
QUIJOTE 2 STATE COM #706H - 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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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						
PILEDRIVER & FIGURE FOUR FEDERAL PROJECT						
HARRIER FEDERAL COM #202H - OWB - AWP	5,009.4	4,975.0	606.9	595.8	54.644	CC, ES
HARRIER FEDERAL COM #202H - OWB - AWP	9,595.0	9,172.9	859.4	835.5	35.942	SF
MONSOON FEDERAL SWD #1 - OWB - AWP	13,995.2	12,366.0	696.0	634.9	11.391	CC, ES
MONSOON FEDERAL SWD #1 - OWB - AWP	14,060.0	12,365.3	699.1	637.4	11.341	SF
PILEDRIVER FEDERAL #711H - OWB - PWP0	22,834.5	22,779.2	860.7	691.4	5.084	CC, ES, SF
PILEDRIVER FEDERAL #712H - OWB - PWP0						Out of range
PILEDRIVER FEDERAL #713H - OWB - PWP0						Out of range
PILEDRIVER FEDERAL #714H - OWB - PWP0						Out of range
PILEDRIVER FEDERAL #715H - OWB - PWP0						Out of range
PILEDRIVER FEDERAL #716H - OWB - PWP0						Out of range

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

ConocoPhillips

Anticollision Report

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Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
HARRIER FEDERAL PROJECT (LEA 2632)						
FEDERAL SUNSHINE ROYALTY #1 (P&A) - OWB - AW	22,834.5	4,750.0				Out of Range @TD
HARRIER 35 FEDERAL COM #1H - OWB - AWP	22,834.5	14,918.0				Out of Range @TD
HARRIER FEDERAL COM #101H - OWB - AWP	22,834.5	9,895.0				Out of Range @TD
HARRIER FEDERAL COM #102H - OWB - AWP	22,834.5	9,357.0				Out of Range @TD
HARRIER FEDERAL COM #201H - OWB - AWP	22,834.5	9,553.0				Out of Range @TD
HARRIER FEDERAL COM #301H - OWB - AWP	22,834.5	9,896.0				Out of Range @TD
HARRIER FEDERAL COM #302H - OWB - AWP	22,834.5	10,350.3				Out of Range @TD
HARRIER FEDERAL COM #303H - OWB - AWP	22,834.5	9,369.0				Out of Range @TD
HARRIER FEDERAL COM #304H - OWB - AWP	22,834.5	10,223.0				Out of Range @TD
HARRIER FEDERAL COM #305H - OWB - AWP	22,834.5	9,852.0				Out of Range @TD
HARRIER FEDERAL COM #701H - OWB - PWP0	22,834.5	22,901.5				Out of Range @TD
HARRIER FEDERAL COM #702H - OWB - PWP0	22,834.5	22,484.4	526.8	361.8	3.192	SF
HARRIER FEDERAL COM #703H - OWB - PWP0	22,834.5	22,791.5	880.0	712.1	5.241	SF
HARRIER FEDERAL COM #704H - OWB - PWP0	22,834.5	22,509.3	357.7	186.3	2.087	SF
HARRIER FEDERAL COM #801H - OWB - PWP0	22,834.5	22,636.6				Out of Range @TD
QUIJOTE 2 STATE COM #706H - OWB - AWP	22,834.5	17,057.0				Out of Range @TD
PILEDRIIVER & FIGURE FOUR FEDERAL PROJECT						
HARRIER FEDERAL COM #202H - OWB - AWP	22,834.5	19,461.0				Out of Range @TD
MONSOON FEDERAL SWD #1 - OWB - AWP	22,834.5	12,314.0				Out of Range @TD
PILEDRIIVER FEDERAL #711H - OWB - PWP0	22,834.5	22,779.2	860.7	691.4	5.084	CC, ES, SF
PILEDRIIVER FEDERAL #712H - OWB - PWP0	22,834.5	22,474.9				Out of Range @TD
PILEDRIIVER FEDERAL #713H - OWB - PWP0	22,834.5	22,754.8				Out of Range @TD
PILEDRIIVER FEDERAL #714H - OWB - PWP0	22,834.5	22,479.2				Out of Range @TD
PILEDRIIVER FEDERAL #715H - OWB - PWP0	22,834.5	22,824.8				Out of Range @TD
PILEDRIIVER FEDERAL #716H - OWB - PWP0	22,834.5	22,579.7				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				Rule Assigned:							Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre				Distance				
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside				Between	Between	Minimum	Separation	Warning
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)			Toolface (°)	+N/-S (usft)	+E/-W (usft)		Centres (usft)	Ellipses (usft)	Separation (usft)	Factor	
13,300.0	12,429.8	14,982.6	11,961.6	16.8	82.2	-14.47	-1,066.3	-344.3		966.0	873.1	92.90	10.398	
13,395.0	12,429.8	14,992.4	11,961.4	16.9	82.4	-10.08	-1,066.1	-354.1		883.8	791.8	92.01	9.605	
13,490.0	12,429.8	14,999.3	11,961.2	17.0	82.6	-6.31	-1,065.9	-360.9		804.0	713.3	90.73	8.861	
13,585.0	12,429.8	15,003.2	11,961.1	17.2	82.7	-3.26	-1,065.9	-364.8		727.6	638.7	88.93	8.182	
13,680.0	12,429.8	15,004.0	11,961.1	17.5	82.7	-0.96	-1,065.8	-365.7		656.0	569.5	86.44	7.589	
13,775.0	12,429.8	15,002.1	11,961.1	17.8	82.7	-0.07	-1,065.9	-363.7		590.9	507.9	83.02	7.118	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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 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	
13,870.0	12,429.8	14,999.5	11,961.2	18.1	82.6	-0.40	-1,065.9	-361.1	534.9	456.3	78.53	6.811	
13,965.0	12,429.8	14,996.9	11,961.3	18.5	82.5	-0.73	-1,066.0	-358.5	490.9	417.8	73.14	6.712	
14,060.0	12,429.8	14,994.2	11,961.3	18.9	82.5	-1.06	-1,066.1	-355.9	462.6	394.4	68.17	6.786	
14,154.9	12,429.8	14,991.5	11,961.4	19.4	82.4	-1.40	-1,066.1	-353.2	452.7	386.1	66.61	6.797 CC	
14,155.0	12,429.8	14,991.5	11,961.4	19.4	82.4	-1.40	-1,066.1	-353.2	452.7	386.1	66.61	6.797 ES	
14,250.0	12,429.8	14,988.9	11,961.5	19.9	82.4	-1.74	-1,066.2	-350.5	462.6	392.2	70.42	6.569	
14,345.0	12,429.8	14,986.1	11,961.5	20.4	82.3	-2.09	-1,066.2	-347.8	491.0	413.8	77.18	6.362 SF	
14,440.0	12,429.8	14,983.4	11,961.6	20.9	82.2	-2.43	-1,066.3	-345.0	535.0	451.2	83.76	6.387	
14,535.0	12,429.8	14,980.6	11,961.7	21.5	82.2	-2.79	-1,066.4	-342.2	591.1	502.1	88.94	6.646	
14,630.0	12,429.8	14,977.5	11,961.7	22.1	82.1	-3.18	-1,066.4	-339.2	656.1	563.5	92.67	7.081	
14,725.0	12,429.8	14,974.4	11,961.8	22.6	82.0	-3.57	-1,066.5	-336.0	727.8	632.6	95.27	7.640	
14,820.0	12,429.8	14,971.2	11,961.9	23.2	82.0	-3.98	-1,066.6	-332.8	804.4	707.3	97.08	8.286	
14,915.0	12,429.8	14,967.9	11,962.0	23.8	81.9	-4.39	-1,066.7	-329.5	884.5	786.1	98.33	8.994	
15,010.0	12,429.8	14,964.5	11,962.1	24.4	81.8	-4.82	-1,066.7	-326.2	967.3	868.0	99.22	9.749	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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: Reference		100-Standard Keeper 104, 8898-MWD+IFR1+FDIR				Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
8,930.0	8,872.7	19,755.0	9,491.2	11.8	89.6	86.41	796.6	501.2	926.8	828.0	98.75	9.385			
9,025.0	8,967.7	19,755.0	9,491.2	11.9	89.6	86.41	796.6	501.2	852.3	753.3	99.00	8.609			
9,120.0	9,062.7	19,755.0	9,491.2	12.0	89.6	86.41	796.6	501.2	782.4	683.2	99.22	7.886			
9,215.0	9,157.7	19,755.0	9,491.2	12.1	89.6	86.41	796.6	501.2	718.3	618.9	99.36	7.228			
9,310.0	9,252.7	19,755.0	9,491.2	12.3	89.6	86.41	796.6	501.2	661.6	562.1	99.41	6.655			
9,405.0	9,347.7	19,754.6	9,491.3	12.4	89.6	86.45	796.2	501.2	614.4	515.1	99.32	6.186			
9,500.0	9,442.7	19,746.5	9,492.0	12.5	89.6	87.29	788.1	501.4	579.0	480.0	99.06	5.845			
9,595.0	9,537.7	19,738.3	9,492.7	12.6	89.5	88.13	780.0	501.5	557.7	458.9	98.78	5.646			
9,676.2	9,619.0	19,731.4	9,493.3	12.7	89.4	88.85	773.1	501.7	551.8	453.1	98.68	5.592	CC, ES, SF		
9,690.0	9,632.7	19,730.2	9,493.4	12.7	89.4	88.97	771.9	501.7	551.9	453.3	98.68	5.593			
9,785.0	9,727.7	19,722.1	9,494.1	12.9	89.3	89.81	763.8	501.8	562.3	463.4	98.90	5.686			
9,880.0	9,822.7	19,713.9	9,494.8	13.0	89.3	90.65	755.7	502.0	587.9	488.6	99.35	5.918			
9,975.0	9,917.7	19,705.8	9,495.4	13.1	89.2	91.49	747.6	502.2	626.9	527.1	99.86	6.278			
10,070.0	10,012.7	19,697.7	9,496.1	13.2	89.1	92.33	739.5	502.3	677.0	576.7	100.33	6.748			
10,165.0	10,107.7	19,690.0	9,496.8	13.3	89.1	93.12	731.9	502.5	735.9	635.2	100.74	7.305			
10,260.0	10,202.7	19,683.1	9,497.4	13.5	89.0	93.84	725.0	502.6	801.7	700.6	101.11	7.929			
10,355.0	10,297.7	19,676.8	9,497.9	13.6	89.0	94.47	718.7	502.8	872.8	771.4	101.44	8.604			
10,450.0	10,392.7	19,670.9	9,498.4	13.7	88.9	95.08	712.9	502.9	948.1	846.3	101.76	9.317			

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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 #102H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8457-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		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		
8,265.0	8,207.7	19,312.0	9,011.4	11.0	90.3	-83.65	791.9	-318.9	961.0	864.2	96.80	9.928		
8,360.0	8,302.7	19,312.0	9,011.4	11.1	90.3	-83.65	791.9	-318.9	870.3	773.2	97.09	8.963		
8,455.0	8,397.7	19,312.0	9,011.4	11.2	90.3	-83.65	791.9	-318.9	780.6	683.2	97.40	8.014		
8,550.0	8,492.7	19,312.0	9,011.4	11.3	90.3	-83.65	791.9	-318.9	692.2	594.5	97.72	7.084		
8,645.0	8,587.7	19,312.0	9,011.4	11.4	90.3	-83.65	791.9	-318.9	605.9	507.9	98.06	6.179		
8,740.0	8,682.7	19,307.6	9,011.6	11.6	90.2	-84.58	787.5	-318.9	522.6	424.2	98.41	5.311		
8,835.0	8,777.7	19,302.3	9,011.9	11.7	90.2	-85.70	782.2	-318.9	444.0	345.2	98.78	4.495		
8,930.0	8,872.7	19,297.0	9,012.2	11.8	90.1	-86.82	776.9	-318.9	373.0	273.8	99.14	3.762		
9,025.0	8,967.7	19,291.7	9,012.5	11.9	90.1	-87.95	771.6	-318.9	314.8	215.4	99.34	3.169		
9,120.0	9,062.7	19,286.4	9,012.8	12.0	90.0	-89.07	766.4	-319.0	277.6	178.4	99.16	2.799		
9,188.8	9,131.5	19,282.5	9,013.0	12.1	90.0	-89.89	762.5	-319.0	269.0	169.9	99.01	2.716 CC, ES, SF		
9,215.0	9,157.7	19,281.1	9,013.1	12.1	90.0	-90.20	761.1	-319.0	270.2	171.2	99.04	2.728		
9,310.0	9,252.7	19,275.8	9,013.4	12.3	89.9	-91.33	755.8	-319.0	294.9	195.5	99.46	2.965		
9,405.0	9,347.7	19,270.5	9,013.7	12.4	89.9	-92.46	750.5	-319.0	344.9	245.0	99.82	3.455		
9,500.0	9,442.7	19,265.2	9,014.0	12.5	89.9	-93.58	745.2	-319.0	410.9	310.9	100.01	4.109		
9,595.0	9,537.7	19,259.9	9,014.3	12.6	89.8	-94.70	739.9	-319.0	486.6	386.5	100.15	4.859		
9,690.0	9,632.7	19,254.6	9,014.6	12.7	89.8	-95.82	734.6	-319.0	568.1	467.8	100.30	5.664		
9,785.0	9,727.7	19,250.0	9,014.8	12.9	89.7	-96.78	730.0	-319.0	653.2	552.7	100.49	6.500		
9,880.0	9,822.7	19,250.0	9,014.8	13.0	89.7	-96.78	730.0	-319.0	740.7	640.0	100.74	7.352		
9,975.0	9,917.7	19,240.7	9,015.3	13.1	89.6	-98.72	720.7	-319.0	829.8	728.9	100.92	8.222		
10,070.0	10,012.7	19,236.7	9,015.5	13.2	89.6	-99.54	716.8	-319.0	920.0	818.9	101.16	9.095		

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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												Rule Assigned:	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Semi Major Axis	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)	Warning
8,455.0	8,397.7	19,405.0	9,242.2	11.2	88.4		133.13	666.7	51.7	977.0	882.0	95.01	10.283
8,550.0	8,492.7	19,405.0	9,242.2	11.3	88.4		133.13	666.7	51.7	883.1	787.9	95.16	9.280
8,645.0	8,587.7	19,405.0	9,242.2	11.4	88.4		133.13	666.7	51.7	789.4	694.2	95.27	8.286
8,740.0	8,682.7	19,405.0	9,242.2	11.6	88.4		133.13	666.7	51.7	696.1	600.8	95.32	7.303
8,835.0	8,777.7	19,405.0	9,242.2	11.7	88.4		133.13	666.7	51.7	603.3	508.1	95.29	6.332
8,930.0	8,872.7	19,405.0	9,242.2	11.8	88.4		133.13	666.7	51.7	511.4	416.3	95.09	5.378
9,025.0	8,967.7	19,405.0	9,242.2	11.9	88.4		133.13	666.7	51.7	420.8	326.2	94.59	4.448
9,120.0	9,062.7	19,405.0	9,242.2	12.0	88.4		133.13	666.7	51.7	332.6	239.2	93.46	3.559
9,215.0	9,157.7	19,405.0	9,242.2	12.1	88.4		133.13	666.7	51.7	249.5	158.7	90.85	2.747
9,310.0	9,252.7	19,405.0	9,242.2	12.3	88.4		133.13	666.7	51.7	178.8	94.0	84.75	2.110
9,405.0	9,347.7	19,405.0	9,242.2	12.4	88.4		133.13	666.7	51.7	140.4	63.6	76.74	1.829 Advise and Monitor
9,422.0	9,364.7	19,405.0	9,242.2	12.4	88.4		133.13	666.7	51.7	139.3	62.7	76.64	1.818 Advise and Monitor, CC, ES, SF
9,500.0	9,442.7	19,405.0	9,242.2	12.5	88.4		133.13	666.7	51.7	159.7	76.3	83.36	1.915 Advise and Monitor
9,595.0	9,537.7	19,405.0	9,242.2	12.6	88.4		133.13	666.7	51.7	222.1	130.4	91.73	2.421
9,690.0	9,632.7	19,405.0	9,242.2	12.7	88.4		133.13	666.7	51.7	302.0	206.5	95.56	3.161
9,785.0	9,727.7	19,405.0	9,242.2	12.9	88.4		133.13	666.7	51.7	388.8	291.4	97.40	3.992
9,880.0	9,822.7	19,405.0	9,242.2	13.0	88.4		133.13	666.7	51.7	478.7	380.2	98.45	4.862
9,975.0	9,917.7	19,405.0	9,242.2	13.1	88.4		133.13	666.7	51.7	570.3	471.1	99.17	5.750
10,070.0	10,012.7	19,405.0	9,242.2	13.2	88.4		133.13	666.7	51.7	662.8	563.1	99.72	6.646
10,165.0	10,107.7	19,405.0	9,242.2	13.3	88.4		133.13	666.7	51.7	755.9	655.7	100.18	7.546
10,260.0	10,202.7	19,405.0	9,242.2	13.5	88.4		133.13	666.7	51.7	849.5	748.9	100.59	8.445
10,355.0	10,297.7	19,405.0	9,242.2	13.6	88.4		133.13	666.7	51.7	943.3	842.3	100.97	9.343

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #303H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8315-MWD+IFR1+FDIR							Rule Assigned:						Offset Well Error: 3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,455.0	8,397.7	19,252.3	9,069.9	11.2	89.4	87.16	788.6	487.6	961.9	864.7	97.16	9.899	
8,550.0	8,492.7	19,249.8	9,069.9	11.3	89.3	87.42	786.2	487.6	884.7	787.3	97.46	9.078	
8,645.0	8,587.7	19,247.3	9,070.0	11.4	89.3	87.69	783.7	487.6	811.4	713.6	97.74	8.301	
8,740.0	8,682.7	19,244.9	9,070.1	11.6	89.3	87.95	781.2	487.7	742.9	644.9	98.00	7.581	
8,835.0	8,777.7	19,242.4	9,070.1	11.7	89.3	88.21	778.8	487.7	680.9	582.7	98.22	6.932	
8,930.0	8,872.7	19,239.9	9,070.2	11.8	89.2	88.48	776.3	487.7	627.2	528.8	98.35	6.377	
9,025.0	8,967.7	19,237.4	9,070.2	11.9	89.2	88.74	773.8	487.7	584.0	485.7	98.36	5.937	
9,120.0	9,062.7	19,235.0	9,070.3	12.0	89.2	89.00	771.4	487.8	554.0	455.7	98.28	5.637	
9,215.0	9,157.7	19,232.5	9,070.4	12.1	89.2	89.27	768.9	487.8	539.2	441.0	98.20	5.490	
9,252.7	9,195.4	19,231.5	9,070.4	12.2	89.2	89.37	767.9	487.8	537.8	439.6	98.22	5.476 CC, ES, SF	
9,310.0	9,252.7	19,230.0	9,070.4	12.3	89.2	89.53	766.4	487.8	540.9	442.6	98.31	5.502	
9,405.0	9,347.7	19,227.6	9,070.5	12.4	89.1	89.79	764.0	487.9	559.0	460.4	98.63	5.668	
9,500.0	9,442.7	19,225.1	9,070.6	12.5	89.1	90.05	761.5	487.9	591.9	492.9	99.04	5.977	
9,595.0	9,537.7	19,222.6	9,070.6	12.6	89.1	90.32	759.0	487.9	637.5	538.0	99.44	6.411	
9,690.0	9,632.7	19,220.2	9,070.7	12.7	89.1	90.58	756.5	487.9	693.1	593.3	99.79	6.946	
9,785.0	9,727.7	19,217.7	9,070.8	12.9	89.1	90.84	754.1	488.0	756.6	656.5	100.09	7.559	
9,880.0	9,822.7	19,215.2	9,070.8	13.0	89.0	91.11	751.6	488.0	826.2	725.8	100.37	8.231	
9,975.0	9,917.7	19,212.7	9,070.9	13.1	89.0	91.37	749.1	488.0	900.4	799.7	100.63	8.947	
10,070.0	10,012.7	19,210.3	9,071.0	13.2	89.0	91.63	746.7	488.0	978.2	877.3	100.89	9.695	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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 #304H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 9409-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,215.0	9,157.7	20,380.0	9,987.7	12.1	90.5	-81.70	792.1	-256.6	971.4	871.1	100.25	9.689	
9,310.0	9,252.7	20,380.0	9,987.7	12.3	90.5	-81.70	792.1	-256.6	878.9	778.3	100.54	8.741	
9,405.0	9,347.7	20,380.0	9,987.7	12.4	90.5	-81.70	792.1	-256.6	786.9	686.1	100.83	7.804	
9,500.0	9,442.7	20,380.0	9,987.7	12.5	90.5	-81.70	792.1	-256.6	695.8	594.6	101.12	6.880	
9,595.0	9,537.7	20,380.0	9,987.7	12.6	90.5	-81.70	792.1	-256.6	605.8	504.4	101.41	5.974	
9,690.0	9,632.7	20,380.0	9,987.7	12.7	90.5	-81.70	792.1	-256.6	517.7	416.0	101.68	5.091	
9,785.0	9,727.7	20,380.0	9,987.7	12.9	90.5	-81.70	792.1	-256.6	432.4	330.5	101.92	4.243	
9,880.0	9,822.7	20,376.0	9,988.0	13.0	90.5	-82.77	788.2	-256.7	352.2	250.2	102.04	3.452	
9,975.0	9,917.7	20,369.2	9,988.5	13.1	90.4	-84.66	781.4	-256.9	281.2	179.3	101.89	2.760	
10,070.0	10,012.7	20,362.3	9,989.0	13.2	90.4	-86.55	774.5	-257.0	228.1	127.2	100.98	2.259	
10,165.0	10,107.7	20,355.4	9,989.5	13.3	90.3	-88.44	767.6	-257.2	207.3	107.5	99.78	2.078 ES, SF	
10,165.5	10,108.2	20,355.4	9,989.5	13.3	90.3	-88.45	767.6	-257.2	207.3	107.5	99.78	2.078 CC	
10,260.0	10,202.7	20,348.5	9,990.0	13.5	90.2	-90.33	760.8	-257.4	227.7	126.9	100.88	2.257	
10,355.0	10,297.7	20,341.7	9,990.5	13.6	90.2	-92.23	753.9	-257.6	280.5	178.3	102.20	2.745	
10,450.0	10,392.7	20,334.8	9,991.0	13.7	90.1	-94.11	747.1	-257.8	351.4	248.5	102.92	3.415	
10,545.0	10,487.7	20,327.9	9,991.5	13.8	90.1	-95.98	740.2	-258.0	431.6	328.2	103.38	4.175	
10,640.0	10,582.7	20,322.0	9,991.9	13.9	90.0	-97.58	734.3	-258.1	516.7	412.9	103.75	4.980	
10,735.0	10,677.7	20,316.2	9,992.3	14.1	90.0	-99.14	728.5	-258.3	604.7	500.6	104.08	5.810	
10,830.0	10,772.7	20,311.5	9,992.6	14.2	89.9	-100.37	723.9	-258.4	694.5	590.1	104.41	6.652	
10,925.0	10,867.7	20,307.3	9,992.9	14.3	89.9	-101.48	719.7	-258.5	785.5	680.7	104.73	7.500	
11,020.0	10,962.7	20,303.4	9,993.1	14.4	89.9	-102.49	715.8	-258.6	877.3	772.2	105.04	8.352	
11,115.0	11,057.7	20,299.9	9,993.3	14.6	89.8	-103.42	712.2	-258.7	969.7	864.3	105.36	9.203	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #305H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8955-MWD+IFR1+FDIR													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)			
8,740.0	8,682.7	19,833.5	9,476.9	11.6	90.4	-90.40	759.7	-373.1	967.9	869.3	98.66	9.811	
8,835.0	8,777.7	19,833.4	9,476.9	11.7	90.4	-90.40	759.7	-373.1	879.0	780.0	98.96	8.882	
8,930.0	8,872.7	19,833.4	9,476.9	11.8	90.4	-90.41	759.7	-373.1	791.4	692.1	99.27	7.972	
9,025.0	8,967.7	19,833.4	9,476.9	11.9	90.4	-90.41	759.7	-373.1	705.7	606.1	99.58	7.087	
9,120.0	9,062.7	19,833.4	9,476.9	12.0	90.4	-90.41	759.7	-373.1	622.8	522.9	99.90	6.234	
9,215.0	9,157.7	19,833.4	9,476.9	12.1	90.4	-90.42	759.7	-373.1	543.8	443.6	100.20	5.427	
9,310.0	9,252.7	19,833.4	9,476.9	12.3	90.4	-90.42	759.6	-373.1	470.8	370.3	100.45	4.687	
9,405.0	9,347.7	19,833.3	9,476.9	12.4	90.4	-90.42	759.6	-373.1	406.9	306.4	100.55	4.047	
9,500.0	9,442.7	19,833.3	9,476.9	12.5	90.4	-90.43	759.6	-373.1	357.2	256.9	100.33	3.561	
9,595.0	9,537.7	19,833.3	9,476.9	12.6	90.4	-90.43	759.6	-373.1	328.2	228.3	99.83	3.287	
9,652.4	9,595.1	19,833.3	9,476.9	12.7	90.4	-90.43	759.6	-373.1	323.1	223.4	99.67	3.242	CC, ES, SF
9,690.0	9,632.7	19,833.3	9,476.9	12.7	90.4	-90.43	759.6	-373.1	325.3	225.5	99.73	3.261	
9,785.0	9,727.7	19,833.3	9,476.9	12.9	90.4	-90.43	759.6	-373.1	349.2	248.9	100.36	3.480	
9,880.0	9,822.7	19,833.3	9,476.9	13.0	90.4	-90.44	759.5	-373.1	395.2	294.1	101.07	3.910	
9,975.0	9,917.7	19,833.2	9,476.9	13.1	90.4	-90.44	759.5	-373.1	456.6	355.0	101.59	4.494	
10,070.0	10,012.7	19,833.2	9,476.9	13.2	90.4	-90.44	759.5	-373.1	528.0	426.0	101.99	5.177	
10,165.0	10,107.7	19,833.2	9,476.9	13.3	90.4	-90.45	759.5	-373.1	605.9	503.6	102.33	5.921	
10,260.0	10,202.7	19,833.2	9,476.9	13.5	90.4	-90.45	759.5	-373.1	688.1	585.5	102.66	6.703	
10,355.0	10,297.7	19,833.2	9,476.9	13.6	90.4	-90.45	759.5	-373.1	773.3	670.3	102.97	7.510	
10,450.0	10,392.7	19,833.2	9,476.9	13.7	90.4	-90.45	759.4	-373.1	860.5	757.3	103.28	8.332	
10,545.0	10,487.7	19,833.1	9,476.9	13.8	90.4	-90.46	759.4	-373.1	949.3	845.7	103.60	9.163	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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	126.56	-44.5	60.0	74.7				
95.0	95.0	94.2	94.2	3.0	3.0	126.56	-44.5	60.0	74.7	68.7	6.00	12.449	
190.0	190.0	189.2	189.2	3.0	3.0	126.56	-44.5	60.0	74.7	68.7	6.00	12.440	
285.0	285.0	284.2	284.2	3.0	3.0	126.56	-44.5	60.0	74.7	68.7	6.01	12.419	
380.0	380.0	379.2	379.2	3.0	3.0	126.56	-44.5	60.0	74.7	68.7	6.03	12.387	
475.0	475.0	474.2	474.2	3.0	3.0	126.56	-44.5	60.0	74.7	68.6	6.05	12.343	
570.0	570.0	569.2	569.2	3.1	3.1	126.56	-44.5	60.0	74.7	68.6	6.08	12.289	
665.0	665.0	664.2	664.2	3.1	3.1	126.56	-44.5	60.0	74.7	68.6	6.11	12.225	
760.0	760.0	759.2	759.2	3.1	3.1	126.56	-44.5	60.0	74.7	68.6	6.15	12.151	
855.0	855.0	854.2	854.2	3.2	3.2	126.56	-44.5	60.0	74.7	68.5	6.19	12.067	
950.0	950.0	949.2	949.2	3.2	3.2	126.56	-44.5	60.0	74.7	68.5	6.24	11.975	
1,045.0	1,045.0	1,044.2	1,044.2	3.3	3.3	126.56	-44.5	60.0	74.7	68.4	6.29	11.875	
1,140.0	1,140.0	1,139.2	1,139.2	3.3	3.3	126.56	-44.5	60.0	74.7	68.4	6.35	11.767	
1,235.0	1,235.0	1,234.2	1,234.2	3.4	3.4	126.56	-44.5	60.0	74.7	68.3	6.41	11.653	
1,330.0	1,330.0	1,329.2	1,329.2	3.4	3.4	126.56	-44.5	60.0	74.7	68.2	6.48	11.533	
1,425.0	1,425.0	1,424.2	1,424.2	3.5	3.5	126.56	-44.5	60.0	74.7	68.2	6.55	11.407	
1,432.8	1,432.8	1,432.0	1,432.0	3.5	3.5	126.56	-44.5	60.0	74.7	68.1	6.55	11.396 CC	
1,520.0	1,520.0	1,519.0	1,519.0	3.6	3.6	126.52	-44.5	60.1	74.7	68.1	6.62	11.283 ES, SF	
1,615.0	1,615.0	1,613.2	1,613.2	3.6	3.6	124.96	-43.2	61.8	75.5	68.8	6.66	11.329	
1,710.0	1,710.0	1,707.1	1,706.9	3.7	3.7	121.32	-40.3	66.2	77.5	70.8	6.66	11.638	
1,805.0	1,805.0	1,800.0	1,799.5	3.8	3.7	120.04	-35.6	72.9	81.6	74.9	6.63	12.294	
1,900.0	1,899.9	1,893.6	1,892.3	3.9	3.8	115.40	-29.2	82.2	89.2	82.5	6.63	13.453	
1,995.0	1,994.7	1,985.9	1,983.6	3.9	3.8	111.73	-21.2	93.9	100.3	93.6	6.64	15.099	
2,090.0	2,089.2	2,077.6	2,073.7	4.0	3.9	109.02	-11.7	107.8	114.6	108.0	6.67	17.182	
2,185.0	2,183.3	2,168.4	2,162.3	4.1	3.9	107.13	-0.6	124.0	132.1	125.3	6.72	19.656	
2,280.0	2,277.2	2,258.5	2,249.7	4.2	4.0	105.80	12.0	142.3	152.1	145.3	6.78	22.447	
2,375.0	2,371.0	2,351.1	2,339.1	4.2	4.1	104.51	25.6	162.0	173.0	166.2	6.85	25.253	
2,470.0	2,464.8	2,443.7	2,428.5	4.3	4.1	103.50	39.1	181.8	194.0	187.1	6.94	27.965	
2,565.0	2,558.7	2,536.3	2,518.0	4.4	4.2	102.69	52.7	201.6	215.0	208.0	7.03	30.576	
2,660.0	2,652.5	2,628.9	2,607.4	4.5	4.3	102.02	66.3	221.3	236.1	229.0	7.14	33.081	
2,755.0	2,746.3	2,721.5	2,696.9	4.6	4.4	101.46	79.8	241.1	257.2	250.0	7.25	35.477	
2,850.0	2,840.2	2,814.1	2,786.3	4.7	4.5	100.99	93.4	260.8	278.3	271.0	7.37	37.764	
2,945.0	2,934.0	2,906.7	2,875.7	4.8	4.6	100.58	107.0	280.6	299.5	292.0	7.50	39.940	
3,040.0	3,027.8	2,999.3	2,965.2	4.9	4.6	100.23	120.6	300.4	320.6	313.0	7.63	42.005	
3,135.0	3,121.7	3,091.9	3,054.6	5.0	4.7	99.92	134.1	320.1	341.8	334.0	7.77	43.961	
3,230.0	3,215.5	3,184.5	3,144.1	5.1	4.8	99.65	147.7	339.9	362.9	355.0	7.92	45.809	
3,325.0	3,309.3	3,277.1	3,233.5	5.2	4.9	99.40	161.3	359.6	384.1	376.0	8.08	47.552	
3,420.0	3,403.1	3,369.7	3,323.0	5.3	5.0	99.18	174.8	379.4	405.3	397.1	8.24	49.193	
3,515.0	3,497.0	3,462.3	3,412.4	5.4	5.1	98.99	188.4	399.2	426.5	418.1	8.41	50.735	
3,610.0	3,590.8	3,554.9	3,501.8	5.5	5.2	98.81	202.0	418.9	447.7	439.1	8.58	52.181	
3,705.0	3,684.6	3,647.4	3,591.3	5.6	5.3	98.65	215.5	438.7	468.9	460.1	8.76	53.536	
3,800.0	3,778.5	3,740.0	3,680.7	5.7	5.4	98.50	229.1	458.4	490.1	481.1	8.94	54.802	
3,895.0	3,872.3	3,832.6	3,770.2	5.8	5.6	98.37	242.7	478.2	511.3	502.1	9.13	55.985	
3,990.0	3,966.1	3,925.2	3,859.6	5.9	5.7	98.24	256.2	498.0	532.5	523.1	9.33	57.087	
4,085.0	4,060.0	4,017.8	3,949.0	6.0	5.8	98.13	269.8	517.7	553.7	544.1	9.53	58.113	
4,180.0	4,153.8	4,110.4	4,038.5	6.1	5.9	98.02	283.4	537.5	574.9	565.1	9.73	59.066	
4,275.0	4,247.6	4,203.0	4,127.9	6.2	6.0	97.92	296.9	557.2	596.1	586.1	9.94	59.951	
4,370.0	4,341.5	4,295.6	4,217.4	6.3	6.2	97.83	310.5	577.0	617.3	607.1	10.16	60.771	
4,465.0	4,435.3	4,388.2	4,306.8	6.4	6.3	97.74	324.1	596.8	638.5	628.1	10.38	61.530	
4,560.0	4,529.1	4,480.8	4,396.3	6.5	6.4	97.66	337.7	616.5	659.7	649.1	10.60	62.230	
4,655.0	4,623.0	4,573.4	4,485.7	6.6	6.6	97.59	351.2	636.3	680.9	670.1	10.83	62.877	
4,750.0	4,716.8	4,666.0	4,575.1	6.7	6.7	97.51	364.8	656.0	702.1	691.1	11.06	63.471	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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		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	
4,845.0	4,810.6	4,758.6	4,664.6	6.8	6.9	97.45	378.4	675.8	723.3	712.0	11.30	64.024	
4,940.0	4,904.5	4,851.2	4,754.0	6.9	7.0	97.39	391.9	695.5	744.5	733.0	11.54	64.524	
5,035.0	4,998.3	4,943.8	4,843.5	7.0	7.2	97.33	405.5	715.3	765.8	754.0	11.78	64.983	
5,130.0	5,092.1	5,036.4	4,932.9	7.2	7.3	97.27	419.1	735.1	787.0	774.9	12.03	65.403	
5,225.0	5,185.9	5,129.0	5,022.3	7.3	7.5	97.22	432.6	754.8	808.2	795.9	12.29	65.785	
5,320.0	5,279.8	5,221.6	5,111.8	7.4	7.6	97.17	446.2	774.6	829.4	816.9	12.54	66.132	
5,415.0	5,373.6	5,314.2	5,201.2	7.5	7.8	97.12	459.8	794.3	850.6	837.8	12.80	66.447	
5,510.0	5,467.4	5,406.8	5,290.7	7.6	8.0	97.07	473.3	814.1	871.8	858.8	13.07	66.730	
5,605.0	5,561.3	5,499.4	5,380.1	7.7	8.2	97.03	486.9	833.9	893.1	879.7	13.33	66.985	
5,700.0	5,655.1	5,592.0	5,469.5	7.8	8.3	96.99	500.5	853.6	914.3	900.7	13.60	67.213	
5,795.0	5,748.9	5,684.6	5,559.0	7.9	8.5	96.95	514.0	873.4	935.5	921.6	13.88	67.415	
5,890.0	5,842.8	5,777.2	5,648.4	8.1	8.7	96.91	527.6	893.1	956.7	942.6	14.15	67.593	
5,985.0	5,936.6	5,869.8	5,737.9	8.2	8.9	96.87	541.2	912.9	977.9	963.5	14.43	67.750	
6,080.0	6,030.4	5,962.4	5,827.3	8.3	9.1	96.84	554.8	932.7	999.2	984.4	14.72	67.885	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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 (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	89.43	0.3	30.0	30.0				
95.0	95.0	94.7	94.7	3.0	3.0	89.43	0.3	30.0	30.0	24.0	6.00	5.000	
190.0	190.0	189.7	189.7	3.0	3.0	89.43	0.3	30.0	30.0	24.0	6.00	4.998	
285.0	285.0	284.7	284.7	3.0	3.0	89.43	0.3	30.0	30.0	24.0	6.01	4.994	
380.0	380.0	379.7	379.7	3.0	3.0	89.43	0.3	30.0	30.0	24.0	6.02	4.987	
475.0	475.0	474.7	474.7	3.0	3.0	89.43	0.3	30.0	30.0	24.0	6.03	4.978	
570.0	570.0	569.7	569.7	3.1	3.1	89.43	0.3	30.0	30.0	24.0	6.04	4.966	
665.0	665.0	664.7	664.7	3.1	3.1	89.43	0.3	30.0	30.0	23.9	6.06	4.952	
760.0	760.0	759.7	759.7	3.1	3.1	89.43	0.3	30.0	30.0	23.9	6.08	4.936	
855.0	855.0	854.7	854.7	3.2	3.2	89.43	0.3	30.0	30.0	23.9	6.10	4.918	
950.0	950.0	949.7	949.7	3.2	3.2	89.43	0.3	30.0	30.0	23.9	6.13	4.897	
1,045.0	1,045.0	1,044.7	1,044.7	3.3	3.3	89.43	0.3	30.0	30.0	23.8	6.15	4.875	
1,140.0	1,140.0	1,139.7	1,139.7	3.3	3.3	89.43	0.3	30.0	30.0	23.8	6.18	4.851	
1,235.0	1,235.0	1,234.7	1,234.7	3.4	3.4	89.43	0.3	30.0	30.0	23.8	6.22	4.825	
1,330.0	1,330.0	1,329.7	1,329.7	3.4	3.4	89.43	0.3	30.0	30.0	23.7	6.25	4.797	
1,425.0	1,425.0	1,424.7	1,424.7	3.5	3.5	89.43	0.3	30.0	30.0	23.7	6.29	4.767	
1,432.7	1,432.7	1,432.4	1,432.4	3.5	3.5	89.43	0.3	30.0	30.0	23.7	6.30	4.765 CC	
1,520.0	1,520.0	1,519.7	1,519.7	3.6	3.6	89.30	0.4	30.0	30.0	23.7	6.33	4.737 ES	
1,615.0	1,615.0	1,614.6	1,614.5	3.6	3.6	85.09	2.6	30.1	30.2	23.8	6.39	4.735	
1,710.0	1,710.0	1,709.2	1,709.0	3.7	3.7	75.39	7.9	30.4	31.4	24.9	6.49	4.842	
1,805.0	1,805.0	1,803.4	1,802.8	3.8	3.8	66.61	16.3	30.9	34.7	28.0	6.71	5.180	
1,900.0	1,899.9	1,897.3	1,896.1	3.9	3.8	56.62	27.8	31.5	39.8	32.9	6.96	5.728	
1,995.0	1,994.7	1,991.8	1,989.5	3.9	3.9	50.01	41.6	32.2	45.5	38.4	7.18	6.340	
2,090.0	2,089.2	2,086.7	2,083.3	4.0	4.0	47.39	55.6	32.9	49.6	42.3	7.35	6.752	
2,185.0	2,183.3	2,181.6	2,177.3	4.1	4.1	47.67	69.6	33.7	51.6	44.2	7.46	6.921	
2,280.0	2,277.2	2,276.6	2,271.2	4.2	4.2	49.60	83.6	34.4	52.3	44.8	7.53	6.944	
2,375.0	2,371.0	2,371.6	2,365.1	4.2	4.2	51.52	97.7	35.2	53.0	45.4	7.60	6.973	
2,470.0	2,464.8	2,466.6	2,459.1	4.3	4.3	53.39	111.7	35.9	53.8	46.1	7.67	7.008	
2,565.0	2,558.7	2,561.6	2,553.0	4.4	4.4	55.20	125.7	36.7	54.6	46.8	7.74	7.050	
2,660.0	2,652.5	2,656.5	2,647.0	4.5	4.5	56.96	139.7	37.4	55.4	47.6	7.81	7.097	
2,755.0	2,746.3	2,751.5	2,740.9	4.6	4.6	58.66	153.7	38.2	56.4	48.5	7.89	7.147	
2,850.0	2,840.2	2,846.5	2,834.8	4.7	4.7	60.31	167.8	38.9	57.3	49.4	7.96	7.201	
2,945.0	2,934.0	2,941.5	2,928.8	4.8	4.8	61.90	181.8	39.6	58.3	50.3	8.04	7.256	
3,040.0	3,027.8	3,036.5	3,022.7	4.9	4.9	63.44	195.8	40.4	59.4	51.3	8.12	7.313	
3,135.0	3,121.7	3,131.5	3,116.6	5.0	5.0	64.92	209.8	41.1	60.5	52.3	8.21	7.369	
3,230.0	3,215.5	3,226.4	3,210.6	5.1	5.1	66.34	223.8	41.9	61.6	53.3	8.30	7.426	
3,325.0	3,309.3	3,321.4	3,304.5	5.2	5.2	67.72	237.9	42.6	62.8	54.4	8.39	7.481	
3,420.0	3,403.1	3,416.4	3,398.5	5.3	5.2	69.04	251.9	43.4	64.0	55.5	8.50	7.534	
3,515.0	3,497.0	3,511.4	3,492.4	5.4	5.3	70.31	265.9	44.1	65.2	56.6	8.60	7.586	
3,610.0	3,590.8	3,606.4	3,586.3	5.5	5.4	71.54	279.9	44.9	66.5	57.8	8.71	7.634	
3,705.0	3,684.6	3,701.3	3,680.3	5.6	5.6	72.72	293.9	45.6	67.8	59.0	8.83	7.679	
3,800.0	3,778.5	3,796.3	3,774.2	5.7	5.7	73.85	308.0	46.3	69.1	60.2	8.96	7.721	
3,895.0	3,872.3	3,891.3	3,868.1	5.8	5.8	74.94	322.0	47.1	70.5	61.4	9.09	7.759	
3,990.0	3,966.1	3,986.3	3,962.1	5.9	5.9	75.99	336.0	47.8	71.9	62.7	9.22	7.794	
4,085.0	4,060.0	4,081.3	4,056.0	6.0	6.0	77.00	350.0	48.6	73.3	63.9	9.37	7.825	
4,180.0	4,153.8	4,176.2	4,150.0	6.1	6.1	77.98	364.1	49.3	74.7	65.2	9.52	7.851	
4,275.0	4,247.6	4,271.2	4,243.9	6.2	6.2	78.91	378.1	50.1	76.2	66.5	9.67	7.874	
4,370.0	4,341.5	4,366.2	4,337.8	6.3	6.3	79.81	392.1	50.8	77.6	67.8	9.83	7.894	
4,465.0	4,435.3	4,461.2	4,431.8	6.4	6.4	80.68	406.1	51.6	79.1	69.1	10.00	7.909	
4,560.0	4,529.1	4,556.2	4,525.7	6.5	6.5	81.51	420.1	52.3	80.6	70.4	10.17	7.921	
4,655.0	4,623.0	4,651.1	4,619.6	6.6	6.6	82.32	434.2	53.1	82.1	71.8	10.35	7.930	
4,750.0	4,716.8	4,746.1	4,713.6	6.7	6.7	83.09	448.2	53.8	83.6	73.1	10.54	7.935	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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		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	
4,845.0	4,810.6	4,841.1	4,807.5	6.8	6.8	83.84	462.2	54.5	85.2	74.5	10.73	7.938	
4,940.0	4,904.5	4,936.1	4,901.5	6.9	6.9	84.56	476.2	55.3	86.8	75.8	10.93	7.937	
5,035.0	4,998.3	5,031.1	4,995.4	7.0	7.0	85.25	490.2	56.0	88.3	77.2	11.13	7.934	
5,130.0	5,092.1	5,126.1	5,089.3	7.2	7.2	85.92	504.3	56.8	89.9	78.6	11.34	7.928	
5,225.0	5,185.9	5,221.0	5,183.3	7.3	7.3	86.57	518.3	57.5	91.5	80.0	11.55	7.920	
5,320.0	5,279.8	5,316.0	5,277.2	7.4	7.4	87.19	532.3	58.3	93.1	81.3	11.77	7.910	
5,415.0	5,373.6	5,411.0	5,371.1	7.5	7.5	87.79	546.3	59.0	94.7	82.7	12.00	7.898	
5,510.0	5,467.4	5,506.0	5,465.1	7.6	7.6	88.38	560.4	59.8	96.4	84.1	12.22	7.884	
5,605.0	5,561.3	5,601.0	5,559.0	7.7	7.7	88.94	574.4	60.5	98.0	85.6	12.46	7.869	
5,700.0	5,655.1	5,695.9	5,653.0	7.8	7.8	89.49	588.4	61.2	99.7	87.0	12.69	7.851	
5,795.0	5,748.9	5,790.9	5,746.9	7.9	7.9	90.01	602.4	62.0	101.3	88.4	12.93	7.833	
5,890.0	5,842.8	5,885.9	5,840.8	8.1	8.1	90.52	616.4	62.7	103.0	89.8	13.18	7.813	
5,985.0	5,936.6	5,980.9	5,934.8	8.2	8.2	91.02	630.5	63.5	104.7	91.2	13.43	7.792	
6,080.0	6,030.4	6,075.9	6,028.7	8.3	8.3	91.49	644.5	64.2	106.3	92.7	13.68	7.771	
6,175.0	6,124.3	6,170.8	6,122.6	8.4	8.4	91.96	658.5	65.0	108.0	94.1	13.94	7.748	
6,270.0	6,218.1	6,265.8	6,216.6	8.5	8.5	92.41	672.5	65.7	109.7	95.5	14.20	7.725	
6,365.0	6,311.9	6,360.8	6,310.6	8.6	8.6	92.87	686.5	66.5	111.4	97.0	14.47	7.701	
6,460.0	6,405.8	6,455.9	6,404.8	8.8	8.7	93.80	699.3	67.1	113.0	98.3	14.73	7.677	
6,555.0	6,499.9	6,551.0	6,499.1	8.9	8.9	94.78	710.6	67.7	114.5	99.6	14.97	7.651	
6,650.0	6,594.2	6,646.0	6,593.7	9.0	9.0	95.75	720.3	68.3	115.9	100.7	15.20	7.624	
6,745.0	6,688.6	6,741.0	6,688.3	9.1	9.1	96.70	728.4	68.7	117.0	101.6	15.41	7.597	
6,840.0	6,783.2	6,835.9	6,783.0	9.2	9.2	97.63	735.0	69.0	118.1	102.5	15.59	7.572	
6,935.0	6,878.0	6,930.9	6,877.8	9.3	9.3	98.55	740.0	69.3	118.9	103.2	15.75	7.553	
7,030.0	6,972.8	7,025.8	6,972.7	9.4	9.4	99.46	743.4	69.5	119.6	103.8	15.87	7.537	
7,125.0	7,067.7	7,120.7	7,067.5	9.6	9.6	100.38	745.2	69.6	120.2	104.2	15.98	7.519	
7,220.0	7,162.7	7,215.5	7,162.4	9.7	9.7	101.25	745.6	69.6	120.6	104.5	16.08	7.497	
7,315.0	7,257.7	7,310.5	7,257.4	9.8	9.8	97.81	745.6	69.6	120.7	104.5	16.18	7.462	
7,410.0	7,352.7	7,405.5	7,352.4	9.9	9.9	97.81	745.6	69.6	120.7	104.5	16.26	7.423	
7,505.0	7,447.7	7,500.5	7,447.4	10.0	10.0	97.81	745.6	69.6	120.7	104.4	16.35	7.383	
7,600.0	7,542.7	7,595.5	7,542.4	10.1	10.1	97.81	745.6	69.6	120.7	104.3	16.44	7.344	
7,695.0	7,637.7	7,690.5	7,637.4	10.3	10.3	97.81	745.6	69.6	120.7	104.2	16.53	7.305	
7,790.0	7,732.7	7,785.5	7,732.4	10.4	10.4	97.81	745.6	69.6	120.7	104.1	16.62	7.265	
7,885.0	7,827.7	7,880.5	7,827.4	10.5	10.5	97.81	745.6	69.6	120.7	104.0	16.71	7.226	
7,980.0	7,922.7	7,975.5	7,922.4	10.6	10.6	97.81	745.6	69.6	120.7	103.9	16.80	7.188	
8,075.0	8,017.7	8,070.5	8,017.4	10.7	10.7	97.81	745.6	69.6	120.7	103.8	16.89	7.149	
8,170.0	8,112.7	8,165.5	8,112.4	10.8	10.8	97.81	745.6	69.6	120.7	103.7	16.98	7.110	
8,265.0	8,207.7	8,260.5	8,207.4	11.0	11.0	97.81	745.6	69.6	120.7	103.6	17.07	7.072	
8,360.0	8,302.7	8,355.5	8,302.4	11.1	11.1	97.81	745.6	69.6	120.7	103.6	17.16	7.034	
8,455.0	8,397.7	8,450.5	8,397.4	11.2	11.2	97.81	745.6	69.6	120.7	103.5	17.26	6.996	
8,550.0	8,492.7	8,545.5	8,492.4	11.3	11.3	97.81	745.6	69.6	120.7	103.4	17.35	6.958	
8,645.0	8,587.7	8,640.5	8,587.4	11.4	11.4	97.81	745.6	69.6	120.7	103.3	17.44	6.920	
8,740.0	8,682.7	8,735.5	8,682.4	11.6	11.6	97.81	745.6	69.6	120.7	103.2	17.54	6.883	
8,835.0	8,777.7	8,830.5	8,777.4	11.7	11.7	97.81	745.6	69.6	120.7	103.1	17.63	6.846	
8,930.0	8,872.7	8,925.5	8,872.4	11.8	11.8	97.81	745.6	69.6	120.7	103.0	17.73	6.808	
9,025.0	8,967.7	9,020.5	8,967.4	11.9	11.9	97.81	745.6	69.6	120.7	102.9	17.83	6.772	
9,120.0	9,062.7	9,115.5	9,062.4	12.0	12.0	97.81	745.6	69.6	120.7	102.8	17.92	6.735	
9,215.0	9,157.7	9,210.5	9,157.4	12.1	12.1	97.81	745.6	69.6	120.7	102.7	18.02	6.699	
9,310.0	9,252.7	9,305.5	9,252.4	12.3	12.3	97.81	745.6	69.6	120.7	102.6	18.12	6.662	
9,405.0	9,347.7	9,400.5	9,347.4	12.4	12.4	97.81	745.6	69.6	120.7	102.5	18.22	6.626	
9,500.0	9,442.7	9,495.5	9,442.4	12.5	12.5	97.81	745.6	69.6	120.7	102.4	18.32	6.591	
9,595.0	9,537.7	9,590.5	9,537.4	12.6	12.6	97.81	745.6	69.6	120.7	102.3	18.42	6.555	
9,690.0	9,632.7	9,685.5	9,632.4	12.7	12.7	97.81	745.6	69.6	120.7	102.2	18.52	6.520	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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	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	
9,785.0	9,727.7	9,780.5	9,727.4	12.9	12.9	97.81	745.6	69.6	120.7	102.1	18.62	6.484	
9,880.0	9,822.7	9,875.5	9,822.4	13.0	13.0	97.81	745.6	69.6	120.7	102.0	18.72	6.450	
9,975.0	9,917.7	9,970.5	9,917.4	13.1	13.1	97.81	745.6	69.6	120.7	101.9	18.82	6.415	
10,070.0	10,012.7	10,065.5	10,012.4	13.2	13.2	97.81	745.6	69.6	120.7	101.8	18.92	6.380	
10,165.0	10,107.7	10,160.5	10,107.4	13.3	13.3	97.81	745.6	69.6	120.7	101.7	19.02	6.346	
10,260.0	10,202.7	10,255.5	10,202.4	13.5	13.5	97.81	745.6	69.6	120.7	101.6	19.12	6.312	
10,355.0	10,297.7	10,350.5	10,297.4	13.6	13.6	97.81	745.6	69.6	120.7	101.5	19.23	6.278	
10,450.0	10,392.7	10,445.5	10,392.4	13.7	13.7	97.81	745.6	69.6	120.7	101.4	19.33	6.245	
10,545.0	10,487.7	10,540.5	10,487.4	13.8	13.8	97.81	745.6	69.6	120.7	101.3	19.43	6.211	
10,640.0	10,582.7	10,635.5	10,582.4	13.9	13.9	97.81	745.6	69.6	120.7	101.2	19.54	6.178	
10,735.0	10,677.7	10,730.5	10,677.4	14.1	14.1	97.81	745.6	69.6	120.7	101.1	19.64	6.146	
10,830.0	10,772.7	10,825.5	10,772.4	14.2	14.2	97.81	745.6	69.6	120.7	101.0	19.75	6.113	
10,925.0	10,867.7	10,920.5	10,867.4	14.3	14.3	97.81	745.6	69.6	120.7	100.9	19.85	6.080	
11,020.0	10,962.7	11,015.5	10,962.4	14.4	14.4	97.81	745.6	69.6	120.7	100.8	19.96	6.048	
11,115.0	11,057.7	11,110.5	11,057.4	14.6	14.5	97.81	745.6	69.6	120.7	100.7	20.07	6.016	
11,210.0	11,152.7	11,205.5	11,152.4	14.7	14.7	97.81	745.6	69.6	120.7	100.5	20.17	5.985	
11,305.0	11,247.7	11,300.5	11,247.4	14.8	14.8	97.81	745.6	69.6	120.7	100.4	20.28	5.953	
11,400.0	11,342.7	11,395.5	11,342.4	14.9	14.9	97.81	745.6	69.6	120.7	100.3	20.39	5.922	
11,495.0	11,437.7	11,490.5	11,437.4	15.0	15.0	97.81	745.6	69.6	120.7	100.2	20.49	5.891	
11,590.0	11,532.7	11,585.5	11,532.4	15.2	15.2	97.81	745.6	69.6	120.7	100.1	20.60	5.860	
11,685.0	11,627.7	11,680.5	11,627.4	15.3	15.3	97.81	745.6	69.6	120.7	100.0	20.71	5.830	
11,686.2	11,628.9	11,681.7	11,628.6	15.3	15.3	97.81	745.6	69.6	120.7	100.0	20.71	5.829	
11,780.0	11,722.7	11,773.5	11,720.3	15.4	15.4	99.05	742.9	69.6	121.1	100.3	20.89	5.800	
11,875.0	11,817.7	11,861.4	11,806.4	15.5	15.5	106.86	725.7	69.7	125.6	103.5	22.06	5.692	
11,970.0	11,912.7	11,940.7	11,880.1	15.6	15.6	118.50	696.9	69.9	140.2	114.7	25.53	5.491	
12,065.0	12,007.6	12,010.3	11,940.1	15.7	15.7	-67.97	661.9	70.1	169.2	138.7	30.49	5.548	
12,160.0	12,100.2	12,075.0	11,990.9	15.8	15.8	-58.04	621.7	70.4	205.5	170.7	34.80	5.907	
12,255.0	12,187.1	12,138.3	12,034.8	15.9	15.8	-51.52	576.3	70.6	243.3	205.4	37.98	6.408	
12,350.0	12,264.6	12,200.0	12,071.5	16.0	15.9	-47.42	526.6	70.9	279.8	239.5	40.28	6.948	
12,445.0	12,329.8	12,257.4	12,099.6	16.1	16.0	-44.92	476.7	71.2	313.5	271.6	41.95	7.474	
12,540.0	12,380.2	12,314.8	12,121.5	16.2	16.0	-43.57	423.6	71.6	343.7	300.9	42.76	8.037	
12,635.0	12,413.6	12,375.0	12,137.4	16.3	16.1	-43.22	365.6	71.9	369.9	327.2	42.73	8.658	
12,730.0	12,428.9	12,425.0	12,145.1	16.4	16.1	-43.24	316.2	72.2	391.9	349.8	42.15	9.300	
12,825.0	12,429.8	12,490.3	12,147.5	16.4	16.1	-45.35	251.0	72.6	412.2	371.3	40.92	10.072	
12,920.0	12,429.8	12,581.0	12,147.5	16.5	16.1	-48.22	160.3	73.2	433.2	393.3	39.92	10.853	
13,015.0	12,429.8	12,672.6	12,147.5	16.5	16.1	-50.57	68.8	73.7	452.7	413.5	39.24	11.538	
13,110.0	12,429.8	12,764.9	12,147.5	16.6	16.2	-52.49	-23.6	74.3	470.3	431.4	38.83	12.112	
13,205.0	12,429.8	12,858.0	12,147.5	16.7	16.2	-54.03	-116.7	74.9	485.7	447.1	38.66	12.563	
13,300.0	12,429.8	12,951.6	12,147.5	16.8	16.2	-55.26	-210.3	75.5	498.9	460.1	38.71	12.887	
13,395.0	12,429.8	13,045.7	12,147.5	16.9	16.3	-56.21	-304.4	76.0	509.6	470.6	38.95	13.084	
13,490.0	12,429.8	13,140.2	12,147.5	17.0	16.3	-56.90	-398.9	76.6	517.7	478.4	39.35	13.158	
13,585.0	12,429.8	13,235.0	12,147.5	17.2	16.3	-57.36	-493.7	77.2	523.3	483.4	39.89	13.118	
13,680.0	12,429.8	13,329.9	12,147.5	17.5	16.4	-57.59	-588.6	77.8	526.3	485.7	40.57	12.973	
13,775.0	12,429.8	13,424.9	12,147.5	17.8	16.4	-57.63	-683.6	78.3	526.8	485.5	41.32	12.747	
13,870.0	12,429.8	13,519.9	12,147.5	18.1	16.5	-57.63	-778.6	78.9	526.8	484.7	42.11	12.509	
13,965.0	12,429.8	13,614.9	12,147.5	18.5	16.6	-57.63	-873.6	79.5	526.8	483.8	42.93	12.270	
14,060.0	12,429.8	13,709.9	12,147.5	18.9	17.0	-57.63	-968.6	80.1	526.8	483.0	43.79	12.030	
14,155.0	12,429.8	13,804.9	12,147.5	19.4	17.6	-57.63	-1,063.6	80.7	526.8	482.1	44.68	11.791	
14,250.0	12,429.8	13,899.9	12,147.5	19.9	18.2	-57.63	-1,158.6	81.3	526.8	481.2	45.59	11.554	
14,345.0	12,429.8	13,994.9	12,147.5	20.4	18.8	-57.63	-1,253.6	81.8	526.8	480.2	46.54	11.320	
14,440.0	12,429.8	14,089.9	12,147.5	20.9	19.4	-57.63	-1,348.6	82.4	526.8	479.3	47.51	11.088	
14,535.0	12,429.8	14,184.9	12,147.5	21.5	20.0	-57.63	-1,443.6	83.0	526.8	478.3	48.50	10.861	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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	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	
14,630.0	12,429.8	14,279.9	12,147.5	22.1	20.6	-57.63	-1,538.6	83.6	526.8	477.3	49.52	10.637	
14,725.0	12,429.8	14,374.9	12,147.5	22.6	21.3	-57.63	-1,633.6	84.2	526.8	476.2	50.56	10.418	
14,820.0	12,429.8	14,469.9	12,147.5	23.2	21.9	-57.63	-1,728.6	84.7	526.8	475.2	51.62	10.204	
14,915.0	12,429.8	14,564.9	12,147.5	23.8	22.5	-57.63	-1,823.6	85.3	526.8	474.1	52.71	9.995	
15,010.0	12,429.8	14,659.9	12,147.5	24.4	23.2	-57.63	-1,918.6	85.9	526.8	473.0	53.80	9.791	
15,105.0	12,429.8	14,754.9	12,147.5	25.0	23.9	-57.63	-2,013.6	86.5	526.8	471.9	54.92	9.592	
15,200.0	12,429.8	14,849.9	12,147.5	25.6	24.5	-57.63	-2,108.6	87.1	526.8	470.7	56.05	9.398	
15,295.0	12,429.8	14,944.9	12,147.5	26.3	25.2	-57.63	-2,203.6	87.7	526.8	469.6	57.20	9.210	
15,390.0	12,429.8	15,039.9	12,147.5	26.9	25.8	-57.63	-2,298.5	88.2	526.8	468.4	58.36	9.027	
15,485.0	12,429.8	15,134.9	12,147.5	27.5	26.5	-57.63	-2,393.5	88.8	526.8	467.3	59.53	8.849	
15,580.0	12,429.8	15,229.9	12,147.5	28.2	27.2	-57.63	-2,488.5	89.4	526.8	466.1	60.72	8.676	
15,675.0	12,429.8	15,324.9	12,147.5	28.8	27.9	-57.63	-2,583.5	90.0	526.8	464.9	61.92	8.508	
15,770.0	12,429.8	15,419.9	12,147.5	29.4	28.5	-57.63	-2,678.5	90.6	526.8	463.7	63.13	8.345	
15,865.0	12,429.8	15,514.9	12,147.5	30.1	29.2	-57.63	-2,773.5	91.1	526.8	462.4	64.35	8.186	
15,960.0	12,429.8	15,609.9	12,147.5	30.8	29.9	-57.63	-2,868.5	91.7	526.8	461.2	65.58	8.033	
16,055.0	12,429.8	15,704.9	12,147.5	31.4	30.6	-57.63	-2,963.5	92.3	526.8	460.0	66.82	7.884	
16,150.0	12,429.8	15,799.9	12,147.5	32.1	31.3	-57.63	-3,058.5	92.9	526.8	458.7	68.07	7.739	
16,245.0	12,429.8	15,894.9	12,147.5	32.7	31.9	-57.63	-3,153.5	93.5	526.8	457.5	69.32	7.599	
16,340.0	12,429.8	15,989.9	12,147.5	33.4	32.6	-57.63	-3,248.5	94.1	526.8	456.2	70.59	7.463	
16,435.0	12,429.8	16,084.9	12,147.5	34.1	33.3	-57.63	-3,343.5	94.6	526.8	454.9	71.86	7.331	
16,530.0	12,429.8	16,179.9	12,147.5	34.7	34.0	-57.63	-3,438.5	95.2	526.8	453.7	73.14	7.202	
16,625.0	12,429.8	16,274.9	12,147.5	35.4	34.7	-57.63	-3,533.5	95.8	526.8	452.4	74.43	7.078	
16,720.0	12,429.8	16,369.9	12,147.5	36.1	35.4	-57.64	-3,628.5	96.4	526.8	451.1	75.72	6.957	
16,815.0	12,429.8	16,464.9	12,147.5	36.8	36.1	-57.64	-3,723.5	97.0	526.8	449.8	77.02	6.840	
16,910.0	12,429.8	16,559.9	12,147.5	37.4	36.8	-57.64	-3,818.5	97.5	526.8	448.5	78.33	6.726	
17,005.0	12,429.8	16,654.9	12,147.5	38.1	37.5	-57.64	-3,913.5	98.1	526.8	447.2	79.64	6.615	
17,100.0	12,429.8	16,749.9	12,147.5	38.8	38.2	-57.64	-4,008.5	98.7	526.8	445.8	80.95	6.508	
17,195.0	12,429.8	16,844.9	12,147.5	39.5	38.9	-57.64	-4,103.5	99.3	526.8	444.5	82.27	6.403	
17,290.0	12,429.8	16,939.9	12,147.5	40.2	39.6	-57.64	-4,198.5	99.9	526.8	443.2	83.60	6.302	
17,385.0	12,429.8	17,034.9	12,147.5	40.9	40.3	-57.64	-4,293.5	100.4	526.8	441.9	84.93	6.203	
17,480.0	12,429.8	17,129.9	12,147.5	41.6	41.0	-57.64	-4,388.5	101.0	526.8	440.5	86.26	6.107	
17,575.0	12,429.8	17,224.9	12,147.5	42.2	41.7	-57.64	-4,483.5	101.6	526.8	439.2	87.60	6.014	
17,670.0	12,429.8	17,319.9	12,147.5	42.9	42.4	-57.64	-4,578.5	102.2	526.8	437.9	88.94	5.923	
17,765.0	12,429.8	17,414.9	12,147.5	43.6	43.1	-57.64	-4,673.5	102.8	526.8	436.5	90.29	5.835	
17,860.0	12,429.8	17,509.9	12,147.5	44.3	43.8	-57.64	-4,768.5	103.4	526.8	435.2	91.64	5.749	
17,955.0	12,429.8	17,604.9	12,147.5	45.0	44.5	-57.64	-4,863.5	103.9	526.8	433.8	92.99	5.665	
18,050.0	12,429.8	17,699.9	12,147.5	45.7	45.2	-57.64	-4,958.5	104.5	526.8	432.5	94.35	5.584	
18,145.0	12,429.8	17,794.9	12,147.5	46.4	45.9	-57.64	-5,053.5	105.1	526.8	431.1	95.71	5.504	
18,240.0	12,429.8	17,889.9	12,147.5	47.1	46.6	-57.64	-5,148.5	105.7	526.8	429.7	97.07	5.427	
18,335.0	12,429.8	17,984.9	12,147.5	47.8	47.4	-57.64	-5,243.5	106.3	526.8	428.4	98.44	5.352	
18,430.0	12,429.8	18,079.9	12,147.5	48.5	48.1	-57.64	-5,338.5	106.8	526.8	427.0	99.81	5.278	
18,525.0	12,429.8	18,174.9	12,147.5	49.2	48.8	-57.64	-5,433.5	107.4	526.8	425.6	101.18	5.207	
18,620.0	12,429.8	18,269.9	12,147.5	49.9	49.5	-57.64	-5,528.5	108.0	526.8	424.3	102.55	5.137	
18,715.0	12,429.8	18,364.9	12,147.5	50.6	50.2	-57.64	-5,623.5	108.6	526.8	422.9	103.93	5.069	
18,810.0	12,429.8	18,459.9	12,147.5	51.3	50.9	-57.64	-5,718.5	109.2	526.8	421.5	105.31	5.003	
18,905.0	12,429.8	18,554.9	12,147.5	52.0	51.6	-57.64	-5,813.5	109.8	526.8	420.1	106.69	4.938	
19,000.0	12,429.8	18,649.9	12,147.5	52.7	52.3	-57.64	-5,908.5	110.3	526.8	418.7	108.07	4.875	
19,095.0	12,429.8	18,744.9	12,147.5	53.4	53.0	-57.64	-6,003.5	110.9	526.8	417.4	109.45	4.813	
19,190.0	12,429.8	18,839.9	12,147.5	54.1	53.7	-57.64	-6,098.5	111.5	526.8	416.0	110.84	4.753	
19,285.0	12,429.8	18,934.9	12,147.5	54.8	54.5	-57.64	-6,193.5	112.1	526.8	414.6	112.23	4.694	
19,380.0	12,429.8	19,029.9	12,147.5	55.5	55.2	-57.64	-6,288.5	112.7	526.8	413.2	113.62	4.637	
19,475.0	12,429.8	19,124.9	12,147.5	56.2	55.9	-57.64	-6,383.5	113.2	526.8	411.8	115.01	4.580	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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	
19,570.0	12,429.8	19,219.9	12,147.5	56.9	56.6	-57.64	-6,478.5	113.8	526.8	410.4	116.41	4.526	
19,665.0	12,429.8	19,314.9	12,147.5	57.6	57.3	-57.64	-6,573.5	114.4	526.8	409.0	117.81	4.472	
19,760.0	12,429.8	19,409.9	12,147.5	58.3	58.0	-57.64	-6,668.5	115.0	526.8	407.6	119.20	4.419	
19,855.0	12,429.8	19,504.9	12,147.5	59.0	58.7	-57.64	-6,763.5	115.6	526.8	406.2	120.60	4.368	
19,950.0	12,429.8	19,599.9	12,147.5	59.8	59.5	-57.64	-6,858.5	116.2	526.8	404.8	122.00	4.318	
20,045.0	12,429.8	19,694.9	12,147.5	60.5	60.2	-57.64	-6,953.5	116.7	526.8	403.4	123.41	4.269	
20,140.0	12,429.8	19,789.9	12,147.5	61.2	60.9	-57.64	-7,048.5	117.3	526.8	402.0	124.81	4.221	
20,235.0	12,429.8	19,884.9	12,147.5	61.9	61.6	-57.64	-7,143.5	117.9	526.8	400.6	126.22	4.174	
20,330.0	12,429.8	19,979.9	12,147.5	62.6	62.3	-57.64	-7,238.5	118.5	526.8	399.2	127.62	4.128	
20,425.0	12,429.8	20,074.9	12,147.5	63.3	63.0	-57.64	-7,333.5	119.1	526.8	397.8	129.03	4.083	
20,520.0	12,429.8	20,169.9	12,147.5	64.0	63.8	-57.64	-7,428.5	119.6	526.8	396.4	130.44	4.039	
20,615.0	12,429.8	20,264.9	12,147.5	64.7	64.5	-57.64	-7,523.5	120.2	526.8	395.0	131.85	3.996	
20,710.0	12,429.8	20,359.9	12,147.5	65.4	65.2	-57.64	-7,618.4	120.8	526.8	393.6	133.26	3.953	
20,805.0	12,429.8	20,454.9	12,147.5	66.1	65.9	-57.64	-7,713.4	121.4	526.8	392.2	134.67	3.912	
20,900.0	12,429.8	20,549.9	12,147.5	66.9	66.6	-57.64	-7,808.4	122.0	526.8	390.7	136.09	3.871	
20,995.0	12,429.8	20,644.9	12,147.5	67.6	67.3	-57.64	-7,903.4	122.5	526.8	389.3	137.50	3.831	
21,090.0	12,429.8	20,739.9	12,147.5	68.3	68.1	-57.64	-7,998.4	123.1	526.8	387.9	138.92	3.792	
21,185.0	12,429.8	20,834.9	12,147.5	69.0	68.8	-57.64	-8,093.4	123.7	526.8	386.5	140.33	3.754	
21,280.0	12,429.8	20,929.9	12,147.5	69.7	69.5	-57.64	-8,188.4	124.3	526.8	385.1	141.75	3.717	
21,375.0	12,429.8	21,024.9	12,147.5	70.4	70.2	-57.64	-8,283.4	124.9	526.8	383.7	143.17	3.680	
21,470.0	12,429.8	21,119.9	12,147.5	71.1	70.9	-57.64	-8,378.4	125.5	526.8	382.2	144.59	3.644	
21,565.0	12,429.8	21,214.9	12,147.5	71.8	71.6	-57.64	-8,473.4	126.0	526.8	380.8	146.01	3.608	
21,660.0	12,429.8	21,309.9	12,147.5	72.6	72.4	-57.64	-8,568.4	126.6	526.8	379.4	147.43	3.573	
21,755.0	12,429.8	21,404.9	12,147.5	73.3	73.1	-57.64	-8,663.4	127.2	526.8	378.0	148.85	3.539	
21,850.0	12,429.8	21,499.9	12,147.5	74.0	73.8	-57.64	-8,758.4	127.8	526.8	376.6	150.28	3.506	
21,945.0	12,429.8	21,594.9	12,147.5	74.7	74.5	-57.64	-8,853.4	128.4	526.8	375.1	151.70	3.473	
22,040.0	12,429.8	21,689.9	12,147.5	75.4	75.2	-57.64	-8,948.4	128.9	526.8	373.7	153.12	3.441	
22,135.0	12,429.8	21,784.9	12,147.5	76.1	76.0	-57.64	-9,043.4	129.5	526.8	372.3	154.55	3.409	
22,230.0	12,429.8	21,879.9	12,147.5	76.8	76.7	-57.64	-9,138.4	130.1	526.8	370.9	155.98	3.378	
22,325.0	12,429.8	21,974.9	12,147.5	77.6	77.4	-57.64	-9,233.4	130.7	526.8	369.4	157.40	3.347	
22,420.0	12,429.8	22,069.9	12,147.5	78.3	78.1	-57.64	-9,328.4	131.3	526.8	368.0	158.83	3.317	
22,515.0	12,429.8	22,164.9	12,147.5	79.0	78.8	-57.64	-9,423.4	131.9	526.8	366.6	160.26	3.287	
22,610.0	12,429.8	22,259.9	12,147.5	79.7	79.6	-57.64	-9,518.4	132.4	526.8	365.2	161.69	3.258	
22,705.0	12,429.8	22,354.9	12,147.5	80.4	80.3	-57.64	-9,613.4	133.0	526.8	363.7	163.11	3.230	
22,800.0	12,429.8	22,449.9	12,147.5	81.1	81.0	-57.64	-9,708.4	133.6	526.8	362.3	164.54	3.202	
22,834.5	12,429.8	22,484.4	12,147.5	81.4	81.2	-57.64	-9,742.9	133.8	526.8	361.8	165.06	3.192 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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	146.13	-44.7	30.0	53.8				
95.0	95.0	94.7	94.7	3.0	3.0	146.13	-44.7	30.0	53.8	47.8	6.00	8.972	
190.0	190.0	189.7	189.7	3.0	3.0	146.13	-44.7	30.0	53.8	47.8	6.01	8.962	
285.0	285.0	284.7	284.7	3.0	3.0	146.13	-44.7	30.0	53.8	47.8	6.02	8.940	
380.0	380.0	379.7	379.7	3.0	3.0	146.13	-44.7	30.0	53.8	47.8	6.04	8.906	
475.0	475.0	474.7	474.7	3.0	3.0	146.13	-44.7	30.0	53.8	47.8	6.08	8.861	
570.0	570.0	569.7	569.7	3.1	3.1	146.13	-44.7	30.0	53.8	47.7	6.11	8.806	
665.0	665.0	664.7	664.7	3.1	3.1	146.13	-44.7	30.0	53.8	47.7	6.16	8.740	
760.0	760.0	759.7	759.7	3.1	3.1	146.13	-44.7	30.0	53.8	47.6	6.21	8.664	
855.0	855.0	854.7	854.7	3.2	3.2	146.13	-44.7	30.0	53.8	47.6	6.27	8.580	
950.0	950.0	949.7	949.7	3.2	3.2	146.13	-44.7	30.0	53.8	47.5	6.34	8.488	
1,045.0	1,045.0	1,044.7	1,044.7	3.3	3.3	146.13	-44.7	30.0	53.8	47.4	6.42	8.389	
1,140.0	1,140.0	1,139.7	1,139.7	3.3	3.3	146.13	-44.7	30.0	53.8	47.3	6.50	8.283	
1,235.0	1,235.0	1,234.7	1,234.7	3.4	3.4	146.13	-44.7	30.0	53.8	47.2	6.59	8.173	
1,330.0	1,330.0	1,329.7	1,329.7	3.4	3.4	146.13	-44.7	30.0	53.8	47.2	6.68	8.058	
1,425.0	1,425.0	1,424.7	1,424.7	3.5	3.5	146.13	-44.7	30.0	53.8	47.1	6.78	7.939	
1,520.0	1,520.0	1,519.9	1,519.9	3.6	3.6	146.07	-44.6	30.0	53.8	46.9	6.90	7.796	
1,615.0	1,615.0	1,615.9	1,615.9	3.6	3.8	144.09	-42.5	30.8	52.5	45.5	6.99	7.506	
1,710.0	1,710.0	1,711.7	1,711.5	3.7	4.5	138.89	-37.3	32.6	49.6	42.5	7.04	7.041	
1,805.0	1,805.0	1,807.1	1,806.5	3.8	5.1	133.75	-29.2	35.4	46.3	39.3	6.97	6.640	
1,887.9	1,887.9	1,890.0	1,888.8	3.8	5.6	124.35	-19.7	38.7	45.2	38.3	6.93	6.518 CC, ES	
1,900.0	1,899.9	1,902.1	1,900.7	3.9	5.7	122.91	-18.1	39.2	45.2	38.3	6.94	6.514	
1,995.0	1,994.7	1,996.7	1,994.5	3.9	6.0	113.67	-5.6	43.5	47.1	39.9	7.16	6.569	
2,090.0	2,089.2	2,091.6	2,088.4	4.0	6.1	108.67	6.8	47.9	50.9	43.5	7.48	6.810	
2,185.0	2,183.3	2,186.4	2,182.3	4.1	6.3	107.49	19.3	52.2	56.0	48.3	7.76	7.220	
2,280.0	2,277.2	2,281.2	2,276.2	4.2	6.5	108.38	31.8	56.5	61.7	53.7	8.02	7.699	
2,375.0	2,371.0	2,376.1	2,370.1	4.2	6.7	109.16	44.2	60.8	67.5	59.2	8.29	8.132	
2,470.0	2,464.8	2,470.9	2,464.0	4.3	6.9	109.82	56.7	65.2	73.2	64.6	8.59	8.521	
2,565.0	2,558.7	2,565.7	2,557.9	4.4	7.1	110.38	69.2	69.5	78.9	70.0	8.90	8.869	
2,660.0	2,652.5	2,660.5	2,651.8	4.5	7.3	110.87	81.7	73.8	84.7	75.5	9.22	9.182	
2,755.0	2,746.3	2,755.4	2,745.7	4.6	7.5	111.29	94.1	78.1	90.5	80.9	9.56	9.462	
2,850.0	2,840.2	2,850.2	2,839.6	4.7	7.8	111.66	106.6	82.5	96.2	86.3	9.90	9.714	
2,945.0	2,934.0	2,945.0	2,933.5	4.8	8.0	112.00	119.1	86.8	102.0	91.7	10.26	9.941	
3,040.0	3,027.8	3,039.8	3,027.4	4.9	8.3	112.29	131.5	91.1	107.8	97.1	10.62	10.145	
3,135.0	3,121.7	3,134.7	3,121.3	5.0	8.6	112.56	144.0	95.4	113.5	102.5	10.99	10.329	
3,230.0	3,215.5	3,229.5	3,215.2	5.1	8.8	112.80	156.5	99.7	119.3	107.9	11.37	10.495	
3,325.0	3,309.3	3,324.3	3,309.1	5.2	9.1	113.02	168.9	104.1	125.1	113.3	11.75	10.645	
3,420.0	3,403.1	3,419.1	3,403.0	5.3	9.4	113.21	181.4	108.4	130.9	118.7	12.14	10.781	
3,515.0	3,497.0	3,513.9	3,496.9	5.4	9.7	113.40	193.9	112.7	136.6	124.1	12.53	10.904	
3,610.0	3,590.8	3,608.8	3,590.8	5.5	10.0	113.56	206.4	117.0	142.4	129.5	12.93	11.016	
3,705.0	3,684.6	3,703.6	3,684.7	5.6	10.3	113.72	218.8	121.4	148.2	134.9	13.33	11.117	
3,800.0	3,778.5	3,798.4	3,778.6	5.7	10.6	113.86	231.3	125.7	154.0	140.2	13.74	11.209	
3,895.0	3,872.3	3,893.2	3,872.5	5.8	10.9	113.99	243.8	130.0	159.8	145.6	14.15	11.293	
3,990.0	3,966.1	3,988.1	3,966.4	5.9	11.2	114.11	256.2	134.3	165.5	151.0	14.56	11.368	
4,085.0	4,060.0	4,082.9	4,060.3	6.0	11.5	114.23	268.7	138.7	171.3	156.4	14.98	11.438	
4,180.0	4,153.8	4,177.7	4,154.2	6.1	11.8	114.34	281.2	143.0	177.1	161.7	15.40	11.500	
4,275.0	4,247.6	4,272.5	4,248.1	6.2	12.1	114.44	293.6	147.3	182.9	167.1	15.83	11.557	
4,370.0	4,341.5	4,367.4	4,342.0	6.3	12.4	114.53	306.1	151.6	188.7	172.4	16.25	11.610	
4,465.0	4,435.3	4,462.2	4,435.9	6.4	12.7	114.62	318.6	155.9	194.5	177.8	16.68	11.657	
4,560.0	4,529.1	4,557.0	4,529.8	6.5	13.0	114.70	331.1	160.3	200.3	183.2	17.12	11.700	
4,655.0	4,623.0	4,651.8	4,623.7	6.6	13.4	114.78	343.5	164.6	206.1	188.5	17.55	11.739	
4,750.0	4,716.8	4,746.6	4,717.6	6.7	13.7	114.86	356.0	168.9	211.8	193.9	17.99	11.775	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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
4,845.0	4,810.6	4,841.5	4,811.5	6.8	14.0	114.93	368.5	173.2	217.6	199.2	18.43	11.807	
4,940.0	4,904.5	4,936.3	4,905.4	6.9	14.3	114.99	380.9	177.6	223.4	204.5	18.88	11.836	
5,035.0	4,998.3	5,031.1	4,999.3	7.0	14.6	115.06	393.4	181.9	229.2	209.9	19.32	11.863	
5,130.0	5,092.1	5,125.9	5,093.2	7.2	15.0	115.12	405.9	186.2	235.0	215.2	19.77	11.887	
5,225.0	5,185.9	5,220.8	5,187.1	7.3	15.3	115.17	418.3	190.5	240.8	220.6	20.22	11.908	
5,320.0	5,279.8	5,315.6	5,281.0	7.4	15.6	115.23	430.8	194.9	246.6	225.9	20.67	11.928	
5,415.0	5,373.6	5,410.4	5,374.9	7.5	16.0	115.28	443.3	199.2	252.4	231.2	21.13	11.945	
5,510.0	5,467.4	5,505.2	5,468.8	7.6	16.3	115.33	455.7	203.5	258.2	236.6	21.58	11.961	
5,605.0	5,561.3	5,600.1	5,562.7	7.7	16.6	115.38	468.2	207.8	264.0	241.9	22.04	11.975	
5,700.0	5,655.1	5,694.9	5,656.6	7.8	16.9	115.42	480.7	212.2	269.7	247.2	22.50	11.987	
5,795.0	5,748.9	5,789.7	5,750.5	7.9	17.3	115.47	493.2	216.5	275.5	252.6	22.97	11.998	
5,890.0	5,842.8	5,884.5	5,844.4	8.1	17.6	115.51	505.6	220.8	281.3	257.9	23.43	12.008	
5,985.0	5,936.6	5,979.3	5,938.3	8.2	17.9	115.55	518.1	225.1	287.1	263.2	23.90	12.016	
6,080.0	6,030.4	6,074.2	6,032.2	8.3	18.3	115.59	530.6	229.4	292.9	268.6	24.36	12.023	
6,175.0	6,124.3	6,169.0	6,126.1	8.4	18.6	115.63	543.0	233.8	298.7	273.9	24.83	12.029	
6,270.0	6,218.1	6,263.8	6,220.0	8.5	18.9	115.66	555.5	238.1	304.5	279.2	25.30	12.034	
6,365.0	6,311.9	6,358.6	6,313.9	8.6	19.3	115.70	568.0	242.4	310.3	284.5	25.78	12.038	
6,460.0	6,405.8	6,453.5	6,407.8	8.8	19.6	115.72	580.4	246.7	316.0	289.7	26.25	12.038	
6,555.0	6,499.9	6,548.3	6,501.8	8.9	20.0	115.53	592.9	251.1	321.1	294.3	26.72	12.018	
6,650.0	6,594.2	6,643.2	6,595.7	9.0	20.3	115.09	605.4	255.4	325.5	298.3	27.18	11.977	
6,745.0	6,688.6	6,738.0	6,689.6	9.1	20.6	114.42	617.9	259.7	329.3	301.6	27.63	11.917	
6,840.0	6,783.2	6,832.8	6,783.5	9.2	21.0	113.50	630.3	264.0	332.5	304.4	28.07	11.842	
6,935.0	6,878.0	6,927.5	6,877.3	9.3	21.3	112.35	642.8	268.3	335.1	306.6	28.51	11.755	
7,030.0	6,972.8	7,022.1	6,971.0	9.4	21.6	110.97	655.2	272.7	337.4	308.5	28.94	11.660	
7,125.0	7,067.7	7,116.6	7,064.5	9.6	22.0	109.36	667.7	277.0	339.3	310.0	29.35	11.563	
7,220.0	7,162.7	7,210.9	7,158.0	9.7	22.3	107.53	680.1	281.3	341.1	311.3	29.75	11.465	
7,315.0	7,257.7	7,305.1	7,251.2	9.8	22.7	101.71	692.4	285.6	342.8	312.6	30.15	11.368	
7,410.0	7,352.7	7,399.9	7,345.1	9.9	23.0	99.60	704.5	289.8	344.7	314.1	30.54	11.284	
7,505.0	7,447.7	7,495.3	7,439.8	10.0	23.3	97.75	715.2	293.5	346.7	315.8	30.95	11.204	
7,600.0	7,542.7	7,591.0	7,535.0	10.1	23.7	96.17	724.5	296.7	348.8	317.4	31.35	11.127	
7,695.0	7,637.7	7,687.0	7,630.7	10.3	24.0	94.86	732.3	299.4	350.7	319.0	31.74	11.048	
7,790.0	7,732.7	7,783.3	7,726.8	10.4	24.3	93.82	738.5	301.6	352.4	320.2	32.14	10.965	
7,885.0	7,827.7	7,879.8	7,823.1	10.5	24.7	93.03	743.3	303.2	353.7	321.2	32.53	10.875	
7,980.0	7,922.7	7,976.4	7,919.7	10.6	25.0	92.50	746.5	304.3	354.7	321.8	32.91	10.777	
8,075.0	8,017.7	8,073.1	8,016.4	10.7	25.3	92.22	748.2	304.9	355.2	321.9	33.29	10.670	
8,170.0	8,112.7	8,169.2	8,112.4	10.8	25.6	92.18	748.5	305.0	355.3	321.6	33.65	10.557	
8,265.0	8,207.7	8,264.2	8,207.4	11.0	26.0	92.18	748.5	305.0	355.3	321.2	34.01	10.445	
8,360.0	8,302.7	8,359.2	8,302.4	11.1	26.3	92.18	748.5	305.0	355.3	320.9	34.38	10.334	
8,455.0	8,397.7	8,454.2	8,397.4	11.2	26.6	92.18	748.5	305.0	355.3	320.5	34.74	10.225	
8,550.0	8,492.7	8,549.2	8,492.4	11.3	26.9	92.18	748.5	305.0	355.3	320.1	35.11	10.118	
8,645.0	8,587.7	8,644.2	8,587.4	11.4	27.2	92.18	748.5	305.0	355.3	319.8	35.48	10.013	
8,740.0	8,682.7	8,739.2	8,682.4	11.6	27.6	92.18	748.5	305.0	355.3	319.4	35.85	9.910	
8,835.0	8,777.7	8,834.2	8,777.4	11.7	27.9	92.18	748.5	305.0	355.3	319.0	36.22	9.808	
8,930.0	8,872.7	8,929.2	8,872.4	11.8	28.2	92.18	748.5	305.0	355.3	318.7	36.59	9.709	
9,025.0	8,967.7	9,024.2	8,967.4	11.9	28.5	92.18	748.5	305.0	355.3	318.3	36.96	9.612	
9,120.0	9,062.7	9,119.2	9,062.4	12.0	28.9	92.18	748.5	305.0	355.3	317.9	37.33	9.516	
9,215.0	9,157.7	9,214.2	9,157.4	12.1	29.2	92.18	748.5	305.0	355.3	317.6	37.70	9.422	
9,310.0	9,252.7	9,309.2	9,252.4	12.3	29.5	92.18	748.5	305.0	355.3	317.2	38.08	9.330	
9,405.0	9,347.7	9,404.2	9,347.4	12.4	29.8	92.18	748.5	305.0	355.3	316.8	38.45	9.239	
9,500.0	9,442.7	9,499.2	9,442.4	12.5	30.2	92.18	748.5	305.0	355.3	316.4	38.82	9.150	
9,595.0	9,537.7	9,594.2	9,537.4	12.6	30.5	92.18	748.5	305.0	355.3	316.1	39.20	9.063	
9,690.0	9,632.7	9,689.2	9,632.4	12.7	30.8	92.18	748.5	305.0	355.3	315.7	39.57	8.977	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #703H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 12009-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,785.0	9,727.7	9,784.2	9,727.4	12.9	31.2	92.18	748.5	305.0	355.3	315.3	39.95	8.893	
9,880.0	9,822.7	9,879.2	9,822.4	13.0	31.5	92.18	748.5	305.0	355.3	314.9	40.33	8.810	
9,975.0	9,917.7	9,974.2	9,917.4	13.1	31.8	92.18	748.5	305.0	355.3	314.6	40.70	8.728	
10,070.0	10,012.7	10,069.2	10,012.4	13.2	32.1	92.18	748.5	305.0	355.3	314.2	41.08	8.648	
10,165.0	10,107.7	10,164.2	10,107.4	13.3	32.5	92.18	748.5	305.0	355.3	313.8	41.46	8.569	
10,260.0	10,202.7	10,259.2	10,202.4	13.5	32.8	92.18	748.5	305.0	355.3	313.4	41.84	8.492	
10,355.0	10,297.7	10,354.2	10,297.4	13.6	33.1	92.18	748.5	305.0	355.3	313.0	42.21	8.416	
10,450.0	10,392.7	10,449.2	10,392.4	13.7	33.5	92.18	748.5	305.0	355.3	312.7	42.59	8.341	
10,545.0	10,487.7	10,544.2	10,487.4	13.8	33.8	92.18	748.5	305.0	355.3	312.3	42.97	8.267	
10,640.0	10,582.7	10,639.2	10,582.4	13.9	34.1	92.18	748.5	305.0	355.3	311.9	43.35	8.195	
10,735.0	10,677.7	10,734.2	10,677.4	14.1	34.4	92.18	748.5	305.0	355.3	311.5	43.73	8.124	
10,830.0	10,772.7	10,829.2	10,772.4	14.2	34.8	92.18	748.5	305.0	355.3	311.1	44.11	8.053	
10,925.0	10,867.7	10,924.2	10,867.4	14.3	35.1	92.18	748.5	305.0	355.3	310.8	44.49	7.985	
11,020.0	10,962.7	11,019.2	10,962.4	14.4	35.4	92.18	748.5	305.0	355.3	310.4	44.87	7.917	
11,115.0	11,057.7	11,114.2	11,057.4	14.6	35.8	92.18	748.5	305.0	355.3	310.0	45.26	7.850	
11,210.0	11,152.7	11,209.2	11,152.4	14.7	36.1	92.18	748.5	305.0	355.3	309.6	45.64	7.784	
11,305.0	11,247.7	11,304.2	11,247.4	14.8	36.4	92.18	748.5	305.0	355.3	309.2	46.02	7.720	
11,400.0	11,342.7	11,399.2	11,342.4	14.9	36.8	92.18	748.5	305.0	355.3	308.9	46.40	7.656	
11,495.0	11,437.7	11,494.2	11,437.4	15.0	37.1	92.18	748.5	305.0	355.3	308.5	46.79	7.593	
11,590.0	11,532.7	11,589.2	11,532.4	15.2	37.4	92.18	748.5	305.0	355.3	308.1	47.17	7.531	
11,685.0	11,627.7	11,684.2	11,627.4	15.3	37.8	92.18	748.5	305.0	355.3	307.7	47.55	7.471	
11,780.0	11,722.7	11,779.2	11,722.4	15.4	38.1	92.18	748.5	305.0	355.3	307.3	47.94	7.411	
11,875.0	11,817.7	11,874.2	11,817.4	15.5	38.4	92.18	748.5	305.0	355.3	306.9	48.32	7.352	
11,970.0	11,912.7	11,969.2	11,912.4	15.6	38.8	92.18	748.5	305.0	355.3	306.5	48.71	7.294	
11,970.0	11,912.7	11,969.2	11,912.4	15.6	38.8	92.18	748.5	305.0	355.3	306.5	48.71	7.294	
12,065.0	12,007.6	12,054.5	11,997.7	15.7	38.9	-106.92	746.4	305.5	356.9	308.0	48.94	7.294	
12,160.0	12,100.2	12,132.4	12,074.2	15.8	38.9	-106.13	733.1	308.9	367.6	318.5	49.10	7.488	
12,255.0	12,187.1	12,208.9	12,146.3	15.9	38.9	-104.61	708.5	315.2	387.7	338.3	49.33	7.858	
12,350.0	12,264.6	12,283.6	12,211.9	16.0	39.0	-102.39	674.0	324.0	416.2	366.6	49.61	8.388	
12,445.0	12,329.8	12,356.2	12,269.6	16.1	39.0	-99.49	631.4	334.9	452.0	402.1	49.89	9.059	
12,540.0	12,380.2	12,426.8	12,318.7	16.2	39.0	-96.01	582.2	347.4	493.8	443.6	50.13	9.849	
12,635.0	12,413.6	12,496.1	12,359.0	16.3	39.0	-92.07	527.7	361.3	540.1	489.8	50.32	10.733	
12,730.0	12,428.9	12,564.9	12,390.7	16.4	39.0	-87.87	468.6	376.4	589.5	539.0	50.44	11.686	
12,825.0	12,429.8	12,636.2	12,413.9	16.4	39.0	-88.35	403.3	393.0	640.0	589.5	50.58	12.655	
12,920.0	12,429.8	12,714.8	12,427.5	16.5	39.0	-89.81	328.4	412.1	689.1	638.3	50.84	13.554	
13,015.0	12,429.8	12,810.8	12,429.5	16.5	39.1	-90.00	235.3	435.4	735.4	684.2	51.21	14.359	
13,110.0	12,429.8	12,927.5	12,429.5	16.6	39.2	-90.00	121.2	459.8	775.9	724.3	51.67	15.018	
13,205.0	12,429.8	13,050.2	12,429.5	16.7	39.3	-90.00	0.3	480.5	809.9	757.7	52.25	15.502	
13,300.0	12,429.8	13,178.0	12,429.5	16.8	39.4	-90.00	-126.5	496.5	837.0	784.1	52.92	15.817	
13,395.0	12,429.8	13,309.9	12,429.5	16.9	39.6	-90.00	-258.0	507.1	856.9	803.2	53.66	15.967	
13,490.0	12,429.8	13,444.7	12,429.5	17.0	39.8	-90.00	-392.7	511.6	869.3	814.8	54.46	15.963	
13,585.0	12,429.8	13,543.0	12,429.5	17.2	39.9	-90.00	-491.0	512.3	875.9	820.7	55.17	15.875	
13,680.0	12,429.8	13,638.0	12,429.5	17.5	40.0	-90.00	-585.9	512.8	879.4	823.5	55.91	15.729	
13,775.0	12,429.8	13,733.0	12,429.5	17.8	40.1	-90.00	-680.9	513.4	880.0	823.5	56.56	15.560	
13,870.0	12,429.8	13,828.0	12,429.5	18.1	40.2	-90.00	-775.9	514.0	880.0	822.8	57.20	15.386	
13,965.0	12,429.8	13,923.0	12,429.5	18.5	40.4	-90.00	-870.9	514.6	880.0	822.1	57.87	15.207	
14,060.0	12,429.8	14,018.0	12,429.5	18.9	40.6	-90.00	-965.9	515.2	880.0	821.4	58.57	15.026	
14,155.0	12,429.8	14,113.0	12,429.5	19.4	40.7	-90.00	-1,060.9	515.7	880.0	820.7	59.29	14.842	
14,250.0	12,429.8	14,208.0	12,429.5	19.9	40.9	-90.00	-1,155.9	516.3	880.0	820.0	60.04	14.657	
14,345.0	12,429.8	14,303.0	12,429.5	20.4	41.1	-90.00	-1,250.9	516.9	880.0	819.2	60.81	14.470	
14,440.0	12,429.8	14,398.0	12,429.5	20.9	41.3	-90.00	-1,345.9	517.5	880.0	818.4	61.61	14.284	
14,535.0	12,429.8	14,493.0	12,429.5	21.5	41.6	-90.00	-1,440.9	518.1	880.0	817.6	62.43	14.097	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,630.0	12,429.8	14,588.0	12,429.5	22.1	41.8	-90.00	-1,535.9	518.6	880.0	816.7	63.26	13.910	
14,725.0	12,429.8	14,683.0	12,429.5	22.6	42.0	-90.00	-1,630.9	519.2	880.0	815.9	64.12	13.724	
14,820.0	12,429.8	14,778.0	12,429.5	23.2	42.3	-90.00	-1,725.9	519.8	880.0	815.0	65.00	13.539	
14,915.0	12,429.8	14,873.0	12,429.5	23.8	42.6	-90.00	-1,820.9	520.4	880.0	814.1	65.89	13.356	
15,010.0	12,429.8	14,968.0	12,429.5	24.4	42.9	-90.00	-1,915.9	521.0	880.0	813.2	66.80	13.174	
15,105.0	12,429.8	15,063.0	12,429.5	25.0	43.2	-90.00	-2,010.9	521.5	880.0	812.3	67.72	12.994	
15,200.0	12,429.8	15,158.0	12,429.5	25.6	43.5	-90.00	-2,105.9	522.1	880.0	811.3	68.67	12.816	
15,295.0	12,429.8	15,253.0	12,429.5	26.3	43.8	-90.00	-2,200.9	522.7	880.0	810.4	69.62	12.640	
15,390.0	12,429.8	15,348.0	12,429.5	26.9	44.1	-90.00	-2,295.9	523.3	880.0	809.4	70.59	12.466	
15,485.0	12,429.8	15,443.0	12,429.5	27.5	44.4	-90.00	-2,390.9	523.9	880.0	808.4	71.58	12.294	
15,580.0	12,429.8	15,538.0	12,429.5	28.2	44.8	-90.00	-2,485.9	524.5	880.0	807.4	72.58	12.125	
15,675.0	12,429.8	15,633.0	12,429.5	28.8	45.1	-90.00	-2,580.9	525.0	880.0	806.4	73.59	11.959	
15,770.0	12,429.8	15,728.0	12,429.5	29.4	45.5	-90.00	-2,675.9	525.6	880.0	805.4	74.61	11.795	
15,865.0	12,429.8	15,823.0	12,429.5	30.1	45.9	-90.00	-2,770.9	526.2	880.0	804.4	75.64	11.634	
15,960.0	12,429.8	15,918.0	12,429.5	30.8	46.3	-90.00	-2,865.9	526.8	880.0	803.3	76.69	11.475	
16,055.0	12,429.8	16,013.0	12,429.5	31.4	46.7	-90.00	-2,960.9	527.4	880.0	802.3	77.75	11.319	
16,150.0	12,429.8	16,108.0	12,429.5	32.1	47.0	-90.00	-3,055.9	527.9	880.0	801.2	78.82	11.165	
16,245.0	12,429.8	16,203.0	12,429.5	32.7	47.5	-90.00	-3,150.9	528.5	880.0	800.1	79.90	11.015	
16,340.0	12,429.8	16,298.0	12,429.5	33.4	47.9	-90.00	-3,245.9	529.1	880.0	799.0	80.98	10.867	
16,435.0	12,429.8	16,393.0	12,429.5	34.1	48.3	-90.00	-3,340.9	529.7	880.0	797.9	82.08	10.721	
16,530.0	12,429.8	16,488.0	12,429.5	34.7	48.7	-90.00	-3,435.9	530.3	880.0	796.8	83.19	10.578	
16,625.0	12,429.8	16,583.0	12,429.5	35.4	49.2	-90.00	-3,530.9	530.8	880.0	795.7	84.31	10.438	
16,720.0	12,429.8	16,678.0	12,429.5	36.1	49.6	-90.00	-3,625.9	531.4	880.0	794.6	85.43	10.301	
16,815.0	12,429.8	16,773.0	12,429.5	36.8	50.1	-90.00	-3,720.9	532.0	880.0	793.5	86.56	10.166	
16,910.0	12,429.8	16,868.0	12,429.5	37.4	50.5	-90.00	-3,815.9	532.6	880.0	792.3	87.71	10.034	
17,005.0	12,429.8	16,963.0	12,429.5	38.1	51.0	-90.00	-3,910.9	533.2	880.0	791.2	88.86	9.904	
17,100.0	12,429.8	17,058.0	12,429.5	38.8	51.4	-90.00	-4,005.9	533.7	880.0	790.0	90.01	9.777	
17,195.0	12,429.8	17,153.0	12,429.5	39.5	51.9	-90.00	-4,100.9	534.3	880.0	788.8	91.18	9.652	
17,290.0	12,429.8	17,248.0	12,429.5	40.2	52.4	-90.00	-4,195.9	534.9	880.0	787.7	92.35	9.529	
17,385.0	12,429.8	17,343.0	12,429.5	40.9	52.9	-90.00	-4,290.9	535.5	880.0	786.5	93.53	9.409	
17,480.0	12,429.8	17,438.0	12,429.5	41.6	53.4	-90.00	-4,385.9	536.1	880.0	785.3	94.71	9.292	
17,575.0	12,429.8	17,533.0	12,429.5	42.2	53.9	-90.00	-4,480.9	536.7	880.0	784.1	95.90	9.176	
17,670.0	12,429.8	17,628.0	12,429.5	42.9	54.4	-90.00	-4,575.8	537.2	880.0	782.9	97.10	9.063	
17,765.0	12,429.8	17,723.0	12,429.5	43.6	54.9	-90.00	-4,670.8	537.8	880.0	781.7	98.30	8.952	
17,860.0	12,429.8	17,818.0	12,429.5	44.3	55.4	-90.00	-4,765.8	538.4	880.0	780.5	99.51	8.843	
17,955.0	12,429.8	17,913.0	12,429.5	45.0	55.9	-90.00	-4,860.8	539.0	880.0	779.3	100.73	8.737	
18,050.0	12,429.8	18,008.0	12,429.5	45.7	56.4	-90.00	-4,955.8	539.6	880.0	778.1	101.95	8.632	
18,145.0	12,429.8	18,103.0	12,429.5	46.4	57.0	-90.00	-5,050.8	540.1	880.0	776.8	103.17	8.529	
18,240.0	12,429.8	18,198.0	12,429.5	47.1	57.5	-90.00	-5,145.8	540.7	880.0	775.6	104.40	8.429	
18,335.0	12,429.8	18,293.0	12,429.5	47.8	58.0	-90.00	-5,240.8	541.3	880.0	774.4	105.64	8.330	
18,430.0	12,429.8	18,388.0	12,429.5	48.5	58.6	-90.00	-5,335.8	541.9	880.0	773.1	106.88	8.234	
18,525.0	12,429.8	18,483.0	12,429.5	49.2	59.1	-90.00	-5,430.8	542.5	880.0	771.9	108.13	8.139	
18,620.0	12,429.8	18,578.0	12,429.5	49.9	59.7	-90.00	-5,525.8	543.0	880.0	770.6	109.38	8.046	
18,715.0	12,429.8	18,673.0	12,429.5	50.6	60.2	-90.00	-5,620.8	543.6	880.0	769.4	110.63	7.954	
18,810.0	12,429.8	18,768.0	12,429.5	51.3	60.8	-90.00	-5,715.8	544.2	880.0	768.1	111.89	7.865	
18,905.0	12,429.8	18,863.0	12,429.5	52.0	61.3	-90.00	-5,810.8	544.8	880.0	766.9	113.15	7.777	
19,000.0	12,429.8	18,958.0	12,429.5	52.7	61.9	-90.00	-5,905.8	545.4	880.0	765.6	114.42	7.691	
19,095.0	12,429.8	19,053.0	12,429.5	53.4	62.4	-90.00	-6,000.8	545.9	880.0	764.3	115.69	7.607	
19,190.0	12,429.8	19,148.0	12,429.5	54.1	63.0	-90.00	-6,095.8	546.5	880.0	763.1	116.97	7.524	
19,285.0	12,429.8	19,243.0	12,429.5	54.8	63.6	-90.00	-6,190.8	547.1	880.0	761.8	118.25	7.442	
19,380.0	12,429.8	19,338.0	12,429.5	55.5	64.2	-90.00	-6,285.8	547.7	880.0	760.5	119.53	7.362	
19,475.0	12,429.8	19,433.0	12,429.5	56.2	64.7	-90.00	-6,380.8	548.3	880.0	759.2	120.81	7.284	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #703H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 12009-MWD+IFR1+MS								Rule Assigned:					Offset Well Error: 3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,570.0	12,429.8	19,528.0	12,429.5	56.9	65.3	-90.00	-6,475.8	548.9	880.0	757.9	122.10	7.207	
19,665.0	12,429.8	19,623.0	12,429.5	57.6	65.9	-90.00	-6,570.8	549.4	880.0	756.6	123.40	7.132	
19,760.0	12,429.8	19,718.0	12,429.5	58.3	66.5	-90.00	-6,665.8	550.0	880.0	755.3	124.69	7.058	
19,855.0	12,429.8	19,813.0	12,429.5	59.0	67.1	-90.00	-6,760.8	550.6	880.0	754.0	125.99	6.985	
19,950.0	12,429.8	19,908.0	12,429.5	59.8	67.7	-90.00	-6,855.8	551.2	880.0	752.7	127.29	6.913	
20,045.0	12,429.8	20,003.0	12,429.5	60.5	68.3	-90.00	-6,950.8	551.8	880.0	751.4	128.60	6.843	
20,140.0	12,429.8	20,098.0	12,429.5	61.2	68.9	-90.00	-7,045.8	552.3	880.0	750.1	129.90	6.774	
20,235.0	12,429.8	20,193.0	12,429.5	61.9	69.5	-90.00	-7,140.8	552.9	880.0	748.8	131.22	6.707	
20,330.0	12,429.8	20,288.0	12,429.5	62.6	70.1	-90.00	-7,235.8	553.5	880.0	747.5	132.53	6.640	
20,425.0	12,429.8	20,383.0	12,429.5	63.3	70.7	-90.00	-7,330.8	554.1	880.0	746.2	133.84	6.575	
20,520.0	12,429.8	20,478.0	12,429.5	64.0	71.3	-90.00	-7,425.8	554.7	880.0	744.9	135.16	6.511	
20,615.0	12,429.8	20,573.0	12,429.5	64.7	71.9	-90.00	-7,520.8	555.2	880.0	743.5	136.48	6.448	
20,710.0	12,429.8	20,668.0	12,429.5	65.4	72.5	-90.00	-7,615.8	555.8	880.0	742.2	137.81	6.386	
20,805.0	12,429.8	20,763.0	12,429.5	66.1	73.1	-90.00	-7,710.8	556.4	880.0	740.9	139.13	6.325	
20,900.0	12,429.8	20,858.0	12,429.5	66.9	73.7	-90.00	-7,805.8	557.0	880.0	739.6	140.46	6.265	
20,995.0	12,429.8	20,953.0	12,429.5	67.6	74.3	-90.00	-7,900.8	557.6	880.0	738.2	141.79	6.206	
21,090.0	12,429.8	21,048.0	12,429.5	68.3	75.0	-90.00	-7,995.8	558.1	880.0	736.9	143.12	6.149	
21,185.0	12,429.8	21,143.0	12,429.5	69.0	75.6	-90.00	-8,090.8	558.7	880.0	735.6	144.46	6.092	
21,280.0	12,429.8	21,238.0	12,429.5	69.7	76.2	-90.00	-8,185.8	559.3	880.0	734.2	145.80	6.036	
21,375.0	12,429.8	21,333.0	12,429.5	70.4	76.8	-90.00	-8,280.8	559.9	880.0	732.9	147.13	5.981	
21,470.0	12,429.8	21,428.0	12,429.5	71.1	77.5	-90.00	-8,375.8	560.5	880.0	731.5	148.48	5.927	
21,565.0	12,429.8	21,523.0	12,429.5	71.8	78.1	-90.00	-8,470.8	561.0	880.0	730.2	149.82	5.874	
21,660.0	12,429.8	21,618.0	12,429.5	72.6	78.7	-90.00	-8,565.8	561.6	880.0	728.9	151.16	5.822	
21,755.0	12,429.8	21,713.0	12,429.5	73.3	79.3	-90.00	-8,660.8	562.2	880.0	727.5	152.51	5.770	
21,850.0	12,429.8	21,808.0	12,429.5	74.0	80.0	-90.00	-8,755.8	562.8	880.0	726.2	153.86	5.720	
21,945.0	12,429.8	21,903.0	12,429.5	74.7	80.6	-90.00	-8,850.8	563.4	880.0	724.8	155.21	5.670	
22,040.0	12,429.8	21,998.0	12,429.5	75.4	81.2	-90.00	-8,945.8	564.0	880.0	723.5	156.56	5.621	
22,135.0	12,429.8	22,093.0	12,429.5	76.1	81.9	-90.00	-9,040.8	564.5	880.0	722.1	157.91	5.573	
22,230.0	12,429.8	22,188.0	12,429.5	76.8	82.5	-90.00	-9,135.8	565.1	880.0	720.8	159.27	5.525	
22,325.0	12,429.8	22,283.0	12,429.5	77.6	83.2	-90.00	-9,230.8	565.7	880.0	719.4	160.63	5.479	
22,420.0	12,429.8	22,378.0	12,429.5	78.3	83.8	-90.00	-9,325.8	566.3	880.0	718.0	161.98	5.433	
22,515.0	12,429.8	22,473.0	12,429.5	79.0	84.4	-90.00	-9,420.8	566.9	880.0	716.7	163.34	5.388	
22,610.0	12,429.8	22,568.0	12,429.5	79.7	85.1	-90.00	-9,515.8	567.4	880.0	715.3	164.71	5.343	
22,705.0	12,429.8	22,663.0	12,429.5	80.4	85.7	-90.00	-9,610.8	568.0	880.0	714.0	166.07	5.299	
22,800.0	12,429.8	22,758.0	12,429.5	81.1	86.4	-90.00	-9,705.8	568.6	880.0	712.6	167.43	5.256	
22,803.5	12,429.8	22,761.5	12,429.5	81.2	86.4	-90.00	-9,709.3	568.6	880.0	712.5	167.48	5.255	
22,834.5	12,429.8	22,791.5	12,429.5	81.4	86.6	-90.00	-9,739.3	568.8	880.0	712.1	167.92	5.241 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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	180.00	-44.9	0.0	44.9				
95.0	95.0	94.5	94.5	3.0	3.0	180.00	-44.9	0.0	44.9	38.9	6.00	7.483	
190.0	190.0	189.5	189.5	3.0	3.0	180.00	-44.9	0.0	44.9	38.9	6.01	7.472	
285.0	285.0	284.5	284.5	3.0	3.0	180.00	-44.9	0.0	44.9	38.9	6.03	7.449	
380.0	380.0	379.5	379.5	3.0	3.0	180.00	-44.9	0.0	44.9	38.8	6.06	7.413	
475.0	475.0	474.5	474.5	3.0	3.0	180.00	-44.9	0.0	44.9	38.8	6.10	7.365	
570.0	570.0	569.5	569.5	3.1	3.1	180.00	-44.9	0.0	44.9	38.8	6.15	7.306	
665.0	665.0	664.5	664.5	3.1	3.1	180.00	-44.9	0.0	44.9	38.7	6.20	7.236	
760.0	760.0	759.5	759.5	3.1	3.1	180.00	-44.9	0.0	44.9	38.6	6.27	7.157	
855.0	855.0	854.5	854.5	3.2	3.2	180.00	-44.9	0.0	44.9	38.5	6.35	7.070	
950.0	950.0	949.5	949.5	3.2	3.2	180.00	-44.9	0.0	44.9	38.5	6.44	6.975	
1,045.0	1,045.0	1,044.5	1,044.5	3.3	3.3	180.00	-44.9	0.0	44.9	38.4	6.53	6.873	
1,140.0	1,140.0	1,139.5	1,139.5	3.3	3.3	180.00	-44.9	0.0	44.9	38.3	6.64	6.767	
1,235.0	1,235.0	1,234.5	1,234.5	3.4	3.4	180.00	-44.9	0.0	44.9	38.2	6.75	6.655	
1,330.0	1,330.0	1,329.5	1,329.5	3.4	3.4	180.00	-44.9	0.0	44.9	38.0	6.86	6.541	
1,425.0	1,425.0	1,424.5	1,424.5	3.5	3.5	180.00	-44.9	0.0	44.9	37.9	6.99	6.424	
1,520.0	1,520.0	1,519.7	1,519.7	3.6	3.6	-179.95	-44.8	0.0	44.8	37.7	7.15	6.275	
1,615.0	1,615.0	1,615.9	1,615.9	3.6	3.9	-178.12	-43.0	-1.4	43.1	35.6	7.47	5.768	
1,710.0	1,710.0	1,711.8	1,711.6	3.7	4.6	-173.03	-38.7	-4.7	39.0	30.9	8.06	4.841	
1,805.0	1,805.0	1,807.2	1,806.6	3.8	5.2	-159.23	-31.8	-9.9	33.9	25.5	8.35	4.053	
1,900.0	1,899.9	1,902.3	1,901.0	3.9	5.7	-143.81	-22.4	-17.0	31.3	23.1	8.14	3.839 ES	
1,914.1	1,914.0	1,916.3	1,914.9	3.9	5.8	-141.20	-20.8	-18.2	31.2	23.2	8.06	3.875 CC	
1,995.0	1,994.7	1,996.9	1,994.5	3.9	6.0	-126.15	-10.7	-25.9	32.9	25.4	7.53	4.372	
2,090.0	2,089.2	2,091.5	2,087.7	4.0	6.2	-114.30	1.7	-35.3	38.7	31.3	7.33	5.273	
2,185.0	2,183.3	2,186.1	2,181.0	4.1	6.3	-109.41	14.2	-44.8	46.6	39.1	7.49	6.220	
2,280.0	2,277.2	2,280.7	2,274.3	4.2	6.5	-108.06	26.6	-54.2	55.3	47.5	7.74	7.145	
2,375.0	2,371.0	2,375.3	2,367.6	4.2	6.7	-107.13	39.1	-63.6	64.0	56.0	8.01	7.992	
2,470.0	2,464.8	2,469.9	2,460.9	4.3	6.9	-106.42	51.5	-73.0	72.8	64.5	8.30	8.766	
2,565.0	2,558.7	2,564.5	2,554.2	4.4	7.1	-105.86	64.0	-82.5	81.5	72.9	8.61	9.471	
2,660.0	2,652.5	2,659.0	2,647.5	4.5	7.3	-105.42	76.4	-91.9	90.3	81.4	8.93	10.113	
2,755.0	2,746.3	2,753.6	2,740.8	4.6	7.6	-105.05	88.9	-101.3	99.1	89.8	9.26	10.698	
2,850.0	2,840.2	2,848.2	2,834.1	4.7	7.8	-104.74	101.3	-110.8	107.9	98.3	9.61	11.231	
2,945.0	2,934.0	2,942.8	2,927.4	4.8	8.1	-104.48	113.8	-120.2	116.7	106.7	9.96	11.717	
3,040.0	3,027.8	3,037.4	3,020.7	4.9	8.4	-104.25	126.2	-129.6	125.5	115.1	10.32	12.160	
3,135.0	3,121.7	3,132.0	3,114.0	5.0	8.6	-104.05	138.7	-139.0	134.2	123.6	10.68	12.565	
3,230.0	3,215.5	3,226.6	3,207.3	5.1	8.9	-103.88	151.1	-148.5	143.0	132.0	11.06	12.935	
3,325.0	3,309.3	3,321.2	3,300.5	5.2	9.2	-103.73	163.5	-157.9	151.8	140.4	11.44	13.274	
3,420.0	3,403.1	3,415.8	3,393.8	5.3	9.5	-103.60	176.0	-167.3	160.6	148.8	11.82	13.584	
3,515.0	3,497.0	3,510.4	3,487.1	5.4	9.8	-103.47	188.4	-176.8	169.4	157.2	12.21	13.869	
3,610.0	3,590.8	3,605.0	3,580.4	5.5	10.1	-103.36	200.9	-186.2	178.2	165.6	12.61	14.131	
3,705.0	3,684.6	3,699.6	3,673.7	5.6	10.4	-103.27	213.3	-195.6	187.0	174.0	13.01	14.371	
3,800.0	3,778.5	3,794.1	3,767.0	5.7	10.7	-103.18	225.8	-205.0	195.8	182.4	13.42	14.592	
3,895.0	3,872.3	3,888.7	3,860.3	5.8	11.0	-103.09	238.2	-214.5	204.6	190.8	13.83	14.795	
3,990.0	3,966.1	3,983.3	3,953.6	5.9	11.3	-103.02	250.7	-223.9	213.4	199.1	14.24	14.983	
4,085.0	4,060.0	4,077.9	4,046.9	6.0	11.6	-102.95	263.1	-233.3	222.2	207.5	14.66	15.156	
4,180.0	4,153.8	4,172.5	4,140.2	6.1	11.9	-102.88	275.6	-242.7	231.0	215.9	15.08	15.316	
4,275.0	4,247.6	4,267.1	4,233.5	6.2	12.2	-102.82	288.0	-252.2	239.8	224.3	15.51	15.463	
4,370.0	4,341.5	4,361.7	4,326.8	6.3	12.5	-102.77	300.4	-261.6	248.6	232.6	15.93	15.600	
4,465.0	4,435.3	4,456.3	4,420.1	6.4	12.9	-102.72	312.9	-271.0	257.4	241.0	16.37	15.726	
4,560.0	4,529.1	4,550.9	4,513.4	6.5	13.2	-102.67	325.3	-280.5	266.2	249.4	16.80	15.843	
4,655.0	4,623.0	4,645.5	4,606.7	6.6	13.5	-102.62	337.8	-289.9	274.9	257.7	17.24	15.951	
4,750.0	4,716.8	4,740.1	4,700.0	6.7	13.8	-102.58	350.2	-299.3	283.7	266.1	17.68	16.051	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,810.6	4,834.7	4,793.3	6.8	14.2	-102.54	362.7	-308.7	292.5	274.4	18.12	16.143	
4,940.0	4,904.5	4,929.2	4,886.5	6.9	14.5	-102.50	375.1	-318.2	301.3	282.8	18.57	16.229	
5,035.0	4,998.3	5,023.8	4,979.8	7.0	14.8	-102.47	387.6	-327.6	310.1	291.1	19.02	16.308	
5,130.0	5,092.1	5,118.4	5,073.1	7.2	15.1	-102.44	400.0	-337.0	318.9	299.5	19.47	16.382	
5,225.0	5,185.9	5,213.0	5,166.4	7.3	15.5	-102.40	412.5	-346.5	327.7	307.8	19.92	16.450	
5,320.0	5,279.8	5,307.6	5,259.7	7.4	15.8	-102.37	424.9	-355.9	336.5	316.2	20.38	16.514	
5,415.0	5,373.6	5,402.2	5,353.0	7.5	16.1	-102.35	437.4	-365.3	345.3	324.5	20.84	16.572	
5,510.0	5,467.4	5,496.8	5,446.3	7.6	16.5	-102.32	449.8	-374.7	354.1	332.8	21.30	16.626	
5,605.0	5,561.3	5,591.4	5,539.6	7.7	16.8	-102.29	462.2	-384.2	362.9	341.2	21.76	16.677	
5,700.0	5,655.1	5,686.0	5,632.9	7.8	17.2	-102.27	474.7	-393.6	371.7	349.5	22.23	16.723	
5,795.0	5,748.9	5,780.6	5,726.2	7.9	17.5	-102.25	487.1	-403.0	380.5	357.8	22.70	16.766	
5,890.0	5,842.8	5,875.2	5,819.5	8.1	17.8	-102.22	499.6	-412.5	389.3	366.2	23.17	16.806	
5,985.0	5,936.6	5,969.8	5,912.8	8.2	18.2	-102.20	512.0	-421.9	398.1	374.5	23.64	16.842	
6,080.0	6,030.4	6,064.3	6,006.1	8.3	18.5	-102.18	524.5	-431.3	406.9	382.8	24.11	16.876	
6,175.0	6,124.3	6,158.9	6,099.4	8.4	18.8	-102.16	536.9	-440.7	415.7	391.1	24.59	16.907	
6,270.0	6,218.1	6,253.5	6,192.7	8.5	19.2	-102.14	549.4	-450.2	424.5	399.4	25.07	16.936	
6,365.0	6,311.9	6,348.1	6,286.0	8.6	19.5	-102.13	561.8	-459.6	433.3	407.8	25.55	16.962	
6,460.0	6,405.8	6,442.7	6,379.3	8.8	19.9	-102.12	574.3	-469.0	442.1	416.0	26.02	16.987	
6,555.0	6,499.9	6,537.3	6,472.6	8.9	20.2	-101.99	586.7	-478.4	450.5	424.0	26.49	17.005	
6,650.0	6,594.2	6,631.9	6,565.9	9.0	20.6	-101.66	599.2	-487.9	458.7	431.7	26.95	17.019	
6,745.0	6,688.6	6,726.5	6,659.1	9.1	20.9	-101.15	611.6	-497.3	466.5	439.1	27.39	17.030	
6,840.0	6,783.2	6,821.0	6,752.3	9.2	21.2	-100.48	624.0	-506.7	474.1	446.3	27.83	17.039	
6,935.0	6,878.0	6,915.4	6,845.4	9.3	21.6	-99.64	636.5	-516.1	481.6	453.3	28.25	17.048	
7,030.0	6,972.8	7,009.7	6,938.4	9.4	21.9	-98.65	648.9	-525.5	488.9	460.2	28.65	17.062	
7,125.0	7,067.7	7,103.8	7,031.3	9.6	22.3	-97.52	661.2	-534.9	496.2	467.1	29.04	17.086	
7,220.0	7,162.7	7,197.8	7,124.0	9.7	22.6	-96.24	673.6	-544.3	503.5	474.1	29.41	17.119	
7,315.0	7,257.7	7,294.1	7,219.0	9.8	22.9	-98.58	686.0	-553.7	510.8	481.0	29.79	17.147	
7,410.0	7,352.7	7,392.5	7,316.3	9.9	23.3	-97.17	697.5	-562.4	517.7	487.5	30.17	17.156	
7,505.0	7,447.7	7,491.3	7,414.3	10.0	23.6	-95.96	707.7	-570.1	524.0	493.4	30.56	17.145	
7,600.0	7,542.7	7,590.5	7,512.9	10.1	24.0	-94.93	716.6	-576.8	529.6	498.6	30.95	17.113	
7,695.0	7,637.7	7,690.1	7,612.0	10.3	24.4	-94.07	724.1	-582.5	534.5	503.1	31.33	17.059	
7,790.0	7,732.7	7,789.9	7,711.6	10.4	24.7	-93.38	730.3	-587.2	538.5	506.8	31.71	16.982	
7,885.0	7,827.7	7,890.0	7,811.5	10.5	25.1	-92.85	735.1	-590.8	541.7	509.6	32.09	16.881	
7,980.0	7,922.7	7,990.3	7,911.7	10.6	25.4	-92.48	738.5	-593.4	544.0	511.6	32.47	16.757	
8,075.0	8,017.7	8,090.8	8,012.1	10.7	25.7	-92.26	740.5	-594.9	545.4	512.5	32.84	16.608	
8,170.0	8,112.7	8,190.9	8,112.2	10.8	26.1	-92.19	741.1	-595.4	545.8	512.6	33.21	16.436	
8,265.0	8,207.7	8,285.9	8,207.2	11.0	26.4	-92.19	741.1	-595.4	545.8	512.2	33.57	16.258	
8,360.0	8,302.7	8,380.9	8,302.2	11.1	26.7	-92.19	741.1	-595.4	545.8	511.9	33.94	16.081	
8,455.0	8,397.7	8,475.9	8,397.2	11.2	27.0	-92.19	741.1	-595.4	545.8	511.5	34.31	15.908	
8,550.0	8,492.7	8,570.9	8,492.2	11.3	27.3	-92.19	741.1	-595.4	545.8	511.1	34.68	15.737	
8,645.0	8,587.7	8,665.9	8,587.2	11.4	27.6	-92.19	741.1	-595.4	545.8	510.7	35.05	15.570	
8,740.0	8,682.7	8,760.9	8,682.2	11.6	27.9	-92.19	741.1	-595.4	545.8	510.4	35.43	15.407	
8,835.0	8,777.7	8,855.9	8,777.2	11.7	28.2	-92.19	741.1	-595.4	545.8	510.0	35.80	15.246	
8,930.0	8,872.7	8,950.9	8,872.2	11.8	28.6	-92.19	741.1	-595.4	545.8	509.6	36.17	15.089	
9,025.0	8,967.7	9,045.9	8,967.2	11.9	28.9	-92.19	741.1	-595.4	545.8	509.3	36.55	14.934	
9,120.0	9,062.7	9,140.9	9,062.2	12.0	29.2	-92.19	741.1	-595.4	545.8	508.9	36.92	14.783	
9,215.0	9,157.7	9,235.9	9,157.2	12.1	29.5	-92.19	741.1	-595.4	545.8	508.5	37.30	14.634	
9,310.0	9,252.7	9,330.9	9,252.2	12.3	29.8	-92.19	741.1	-595.4	545.8	508.1	37.67	14.488	
9,405.0	9,347.7	9,425.9	9,347.2	12.4	30.1	-92.19	741.1	-595.4	545.8	507.8	38.05	14.345	
9,500.0	9,442.7	9,520.9	9,442.2	12.5	30.5	-92.19	741.1	-595.4	545.8	507.4	38.43	14.204	
9,595.0	9,537.7	9,615.9	9,537.2	12.6	30.8	-92.19	741.1	-595.4	545.8	507.0	38.80	14.066	
9,690.0	9,632.7	9,710.9	9,632.2	12.7	31.1	-92.19	741.1	-595.4	545.8	506.6	39.18	13.930	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,785.0	9,727.7	9,805.9	9,727.2	12.9	31.4	-92.19	741.1	-595.4	545.8	506.2	39.56	13.797	
9,880.0	9,822.7	9,900.9	9,822.2	13.0	31.7	-92.19	741.1	-595.4	545.8	505.9	39.94	13.666	
9,975.0	9,917.7	9,995.9	9,917.2	13.1	32.1	-92.19	741.1	-595.4	545.8	505.5	40.32	13.538	
10,070.0	10,012.7	10,090.9	10,012.2	13.2	32.4	-92.19	741.1	-595.4	545.8	505.1	40.70	13.412	
10,165.0	10,107.7	10,185.9	10,107.2	13.3	32.7	-92.19	741.1	-595.4	545.8	504.7	41.08	13.287	
10,260.0	10,202.7	10,280.9	10,202.2	13.5	33.0	-92.19	741.1	-595.4	545.8	504.3	41.46	13.166	
10,355.0	10,297.7	10,375.9	10,297.2	13.6	33.4	-92.19	741.1	-595.4	545.8	504.0	41.84	13.046	
10,450.0	10,392.7	10,470.9	10,392.2	13.7	33.7	-92.19	741.1	-595.4	545.8	503.6	42.22	12.928	
10,545.0	10,487.7	10,565.9	10,487.2	13.8	34.0	-92.19	741.1	-595.4	545.8	503.2	42.60	12.812	
10,640.0	10,582.7	10,660.9	10,582.2	13.9	34.3	-92.19	741.1	-595.4	545.8	502.8	42.98	12.698	
10,735.0	10,677.7	10,755.9	10,677.2	14.1	34.7	-92.19	741.1	-595.4	545.8	502.4	43.36	12.586	
10,830.0	10,772.7	10,850.9	10,772.2	14.2	35.0	-92.19	741.1	-595.4	545.8	502.1	43.75	12.476	
10,925.0	10,867.7	10,945.9	10,867.2	14.3	35.3	-92.19	741.1	-595.4	545.8	501.7	44.13	12.368	
11,020.0	10,962.7	11,040.9	10,962.2	14.4	35.6	-92.19	741.1	-595.4	545.8	501.3	44.51	12.262	
11,115.0	11,057.7	11,135.9	11,057.2	14.6	36.0	-92.19	741.1	-595.4	545.8	500.9	44.90	12.157	
11,210.0	11,152.7	11,230.9	11,152.2	14.7	36.3	-92.19	741.1	-595.4	545.8	500.5	45.28	12.054	
11,305.0	11,247.7	11,325.9	11,247.2	14.8	36.6	-92.19	741.1	-595.4	545.8	500.1	45.67	11.952	
11,400.0	11,342.7	11,420.9	11,342.2	14.9	36.9	-92.19	741.1	-595.4	545.8	499.8	46.05	11.852	
11,495.0	11,437.7	11,515.9	11,437.2	15.0	37.3	-92.19	741.1	-595.4	545.8	499.4	46.43	11.754	
11,590.0	11,532.7	11,610.9	11,532.2	15.2	37.6	-92.19	741.1	-595.4	545.8	499.0	46.82	11.657	
11,685.0	11,627.7	11,705.9	11,627.2	15.3	37.9	-92.19	741.1	-595.4	545.8	498.6	47.20	11.565	
11,686.2	11,628.9	11,707.0	11,628.4	15.3	37.9	-92.19	741.1	-595.4	545.8	498.6	47.20	11.564	
11,780.0	11,722.7	11,798.8	11,720.1	15.4	38.0	-92.47	738.4	-595.4	545.9	498.6	47.33	11.534	
11,875.0	11,817.7	11,886.7	11,806.1	15.5	38.0	-94.27	721.3	-595.3	546.9	499.5	47.44	11.530	
11,970.0	11,912.7	11,965.9	11,879.8	15.6	38.1	-97.27	692.5	-595.1	550.5	502.8	47.66	11.550	
12,065.0	12,007.6	12,035.4	11,939.8	15.7	38.1	59.68	657.5	-594.9	557.3	509.3	48.05	11.599	
12,160.0	12,100.2	12,100.0	11,990.4	15.8	38.1	56.26	617.5	-594.6	561.4	512.8	48.61	11.549	
12,255.0	12,187.1	12,163.4	12,034.4	15.9	38.2	53.55	571.9	-594.4	561.4	512.1	49.28	11.392	
12,350.0	12,264.6	12,225.0	12,071.1	16.0	38.2	51.58	522.4	-594.1	556.7	506.7	50.01	11.132	
12,445.0	12,329.8	12,282.5	12,099.2	16.1	38.2	50.42	472.4	-593.8	547.0	496.3	50.77	10.775	
12,540.0	12,380.2	12,339.9	12,121.2	16.2	38.2	49.93	419.3	-593.4	532.2	480.7	51.50	10.334	
12,635.0	12,413.6	12,400.0	12,137.2	16.3	38.2	50.06	361.4	-593.1	512.2	460.1	52.17	9.818	
12,730.0	12,428.9	12,450.0	12,144.8	16.4	38.2	51.23	312.1	-592.8	487.3	434.4	52.86	9.218	
12,825.0	12,429.8	12,515.2	12,147.3	16.4	38.2	50.82	246.9	-592.4	460.8	407.3	53.45	8.621	
12,920.0	12,429.8	12,605.9	12,147.3	16.5	38.2	48.83	156.3	-591.8	438.7	384.8	53.96	8.130	
13,015.0	12,429.8	12,697.5	12,147.3	16.5	38.2	46.87	64.7	-591.3	419.7	365.2	54.53	7.697	
13,110.0	12,429.8	12,789.8	12,147.3	16.6	38.2	44.98	-27.7	-590.7	403.6	348.5	55.09	7.326	
13,205.0	12,429.8	12,882.9	12,147.3	16.7	38.2	43.21	-120.7	-590.1	390.1	334.5	55.64	7.011	
13,300.0	12,429.8	12,976.5	12,147.3	16.8	38.3	41.62	-214.4	-589.6	379.2	323.0	56.19	6.749	
13,395.0	12,429.8	13,070.6	12,147.3	16.9	38.3	40.27	-308.5	-589.0	370.7	314.0	56.74	6.533	
13,490.0	12,429.8	13,165.1	12,147.3	17.0	38.3	39.20	-403.0	-588.4	364.4	307.1	57.29	6.361	
13,585.0	12,429.8	13,259.9	12,147.3	17.2	38.3	38.44	-497.7	-587.8	360.2	302.4	57.86	6.226	
13,680.0	12,429.8	13,354.8	12,147.3	17.5	38.3	38.04	-592.7	-587.2	358.1	299.6	58.44	6.127	
13,774.1	12,429.8	13,448.9	12,147.3	17.8	38.3	37.92	-686.7	-586.7	357.5	298.5	58.98	6.061	
13,775.0	12,429.8	13,449.8	12,147.3	17.8	38.3	37.97	-687.7	-586.7	357.7	298.7	58.98	6.065	
13,870.0	12,429.8	13,544.8	12,147.3	18.1	38.4	37.97	-782.6	-586.1	357.7	298.2	59.55	6.007	
13,965.0	12,429.8	13,639.8	12,147.3	18.5	38.4	37.97	-877.6	-585.5	357.7	297.6	60.15	5.947	
14,060.0	12,429.8	13,734.8	12,147.3	18.9	38.5	37.97	-972.6	-584.9	357.7	296.9	60.78	5.885	
14,155.0	12,429.8	13,829.8	12,147.3	19.4	38.6	37.97	-1,067.6	-584.3	357.7	296.3	61.44	5.822	
14,250.0	12,429.8	13,924.8	12,147.3	19.9	38.8	37.97	-1,162.6	-583.7	357.7	295.6	62.13	5.758	
14,345.0	12,429.8	14,019.8	12,147.3	20.4	39.0	37.97	-1,257.6	-583.2	357.7	294.9	62.84	5.692	
14,440.0	12,429.8	14,114.8	12,147.3	20.9	39.2	37.97	-1,352.6	-582.6	357.7	294.1	63.58	5.626	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Distance				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,535.0	12,429.8	14,209.8	12,147.3	21.5	39.5	37.97	-1,447.6	-582.0	357.7	293.4	64.35	5.559	
14,630.0	12,429.8	14,304.8	12,147.3	22.1	39.7	37.97	-1,542.6	-581.4	357.7	292.6	65.14	5.491	
14,725.0	12,429.8	14,399.8	12,147.3	22.6	40.0	37.97	-1,637.6	-580.8	357.7	291.8	65.95	5.424	
14,820.0	12,429.8	14,494.8	12,147.3	23.2	40.3	37.97	-1,732.6	-580.3	357.7	290.9	66.79	5.356	
14,915.0	12,429.8	14,589.8	12,147.3	23.8	40.6	37.97	-1,827.6	-579.7	357.7	290.1	67.65	5.288	
15,010.0	12,429.8	14,684.8	12,147.3	24.4	40.9	37.97	-1,922.6	-579.1	357.7	289.2	68.52	5.220	
15,105.0	12,429.8	14,779.8	12,147.3	25.0	41.2	37.97	-2,017.6	-578.5	357.7	288.3	69.42	5.153	
15,200.0	12,429.8	14,874.8	12,147.3	25.6	41.5	37.97	-2,112.6	-577.9	357.7	287.4	70.34	5.086	
15,295.0	12,429.8	14,969.8	12,147.3	26.3	41.8	37.97	-2,207.6	-577.3	357.7	286.4	71.27	5.019	
15,390.0	12,429.8	15,064.8	12,147.3	26.9	42.2	37.97	-2,302.6	-576.8	357.7	285.5	72.23	4.953	
15,485.0	12,429.8	15,159.8	12,147.3	27.5	42.5	37.97	-2,397.6	-576.2	357.7	284.5	73.20	4.887	
15,580.0	12,429.8	15,254.8	12,147.3	28.2	42.9	37.97	-2,492.6	-575.6	357.7	283.5	74.18	4.822	
15,675.0	12,429.8	15,349.8	12,147.3	28.8	43.3	37.97	-2,587.6	-575.0	357.7	282.5	75.19	4.758	
15,770.0	12,429.8	15,444.8	12,147.3	29.4	43.7	37.97	-2,682.6	-574.4	357.7	281.5	76.20	4.694	
15,865.0	12,429.8	15,539.8	12,147.3	30.1	44.1	37.97	-2,777.6	-573.9	357.7	280.5	77.23	4.631	
15,960.0	12,429.8	15,634.8	12,147.3	30.8	44.5	37.97	-2,872.6	-573.3	357.7	279.4	78.28	4.570	
16,055.0	12,429.8	15,729.8	12,147.3	31.4	44.9	37.97	-2,967.6	-572.7	357.7	278.4	79.34	4.509	
16,150.0	12,429.8	15,824.8	12,147.3	32.1	45.3	37.97	-3,062.6	-572.1	357.7	277.3	80.41	4.448	
16,245.0	12,429.8	15,919.8	12,147.3	32.7	45.7	37.97	-3,157.6	-571.5	357.7	276.2	81.49	4.389	
16,340.0	12,429.8	16,014.8	12,147.3	33.4	46.1	37.97	-3,252.6	-571.0	357.7	275.1	82.59	4.331	
16,435.0	12,429.8	16,109.8	12,147.3	34.1	46.6	37.97	-3,347.6	-570.4	357.7	274.0	83.70	4.274	
16,530.0	12,429.8	16,204.8	12,147.3	34.7	47.0	37.97	-3,442.6	-569.8	357.7	272.9	84.81	4.217	
16,625.0	12,429.8	16,299.8	12,147.3	35.4	47.5	37.97	-3,537.6	-569.2	357.7	271.8	85.94	4.162	
16,720.0	12,429.8	16,394.8	12,147.3	36.1	47.9	37.97	-3,632.6	-568.6	357.7	270.6	87.08	4.108	
16,815.0	12,429.8	16,489.8	12,147.3	36.8	48.4	37.97	-3,727.6	-568.0	357.7	269.5	88.23	4.054	
16,910.0	12,429.8	16,584.8	12,147.3	37.4	48.9	37.97	-3,822.6	-567.5	357.7	268.3	89.39	4.002	
17,005.0	12,429.8	16,679.8	12,147.3	38.1	49.3	37.97	-3,917.6	-566.9	357.7	267.1	90.56	3.950	
17,100.0	12,429.8	16,774.8	12,147.3	38.8	49.8	37.97	-4,012.6	-566.3	357.7	266.0	91.73	3.899	
17,195.0	12,429.8	16,869.8	12,147.3	39.5	50.3	37.97	-4,107.6	-565.7	357.7	264.8	92.92	3.850	
17,290.0	12,429.8	16,964.8	12,147.3	40.2	50.8	37.97	-4,202.6	-565.1	357.7	263.6	94.11	3.801	
17,385.0	12,429.8	17,059.8	12,147.3	40.9	51.3	37.97	-4,297.6	-564.6	357.7	262.4	95.31	3.753	
17,480.0	12,429.8	17,154.8	12,147.3	41.6	51.8	37.97	-4,392.6	-564.0	357.7	261.2	96.52	3.706	
17,575.0	12,429.8	17,249.8	12,147.3	42.2	52.3	37.97	-4,487.6	-563.4	357.7	260.0	97.73	3.660	
17,670.0	12,429.8	17,344.8	12,147.3	42.9	52.9	37.97	-4,582.6	-562.8	357.7	258.7	98.96	3.615	
17,765.0	12,429.8	17,439.8	12,147.3	43.6	53.4	37.97	-4,677.6	-562.2	357.7	257.5	100.18	3.570	
17,860.0	12,429.8	17,534.8	12,147.3	44.3	53.9	37.96	-4,772.6	-561.6	357.7	256.3	101.42	3.527	
17,955.0	12,429.8	17,629.8	12,147.3	45.0	54.4	37.96	-4,867.6	-561.1	357.7	255.0	102.66	3.484	
18,050.0	12,429.8	17,724.8	12,147.3	45.7	55.0	37.96	-4,962.6	-560.5	357.7	253.8	103.91	3.442	
18,145.0	12,429.8	17,819.8	12,147.3	46.4	55.5	37.96	-5,057.6	-559.9	357.7	252.5	105.16	3.401	
18,240.0	12,429.8	17,914.8	12,147.3	47.1	56.1	37.96	-5,152.6	-559.3	357.7	251.3	106.42	3.361	
18,335.0	12,429.8	18,009.8	12,147.3	47.8	56.6	37.96	-5,247.6	-558.7	357.7	250.0	107.68	3.322	
18,430.0	12,429.8	18,104.8	12,147.3	48.5	57.2	37.96	-5,342.6	-558.2	357.7	248.7	108.95	3.283	
18,525.0	12,429.8	18,199.8	12,147.3	49.2	57.7	37.96	-5,437.6	-557.6	357.7	247.5	110.23	3.245	
18,620.0	12,429.8	18,294.8	12,147.3	49.9	58.3	37.96	-5,532.6	-557.0	357.7	246.2	111.51	3.208	
18,715.0	12,429.8	18,389.8	12,147.3	50.6	58.8	37.96	-5,627.6	-556.4	357.7	244.9	112.79	3.171	
18,810.0	12,429.8	18,484.8	12,147.3	51.3	59.4	37.96	-5,722.6	-555.8	357.7	243.6	114.08	3.135	
18,905.0	12,429.8	18,579.8	12,147.3	52.0	60.0	37.96	-5,817.6	-555.2	357.7	242.3	115.37	3.100	
19,000.0	12,429.8	18,674.8	12,147.3	52.7	60.5	37.96	-5,912.6	-554.7	357.7	241.0	116.67	3.066	
19,095.0	12,429.8	18,769.8	12,147.3	53.4	61.1	37.96	-6,007.6	-554.1	357.7	239.7	117.97	3.032	
19,190.0	12,429.8	18,864.8	12,147.3	54.1	61.7	37.96	-6,102.6	-553.5	357.7	238.4	119.28	2.999	
19,285.0	12,429.8	18,959.8	12,147.3	54.8	62.3	37.96	-6,197.5	-552.9	357.7	237.1	120.58	2.966	
19,380.0	12,429.8	19,054.8	12,147.3	55.5	62.9	37.96	-6,292.5	-552.3	357.7	235.8	121.90	2.934	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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								Rule Assigned:					Offset Well Error: 3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,475.0	12,429.8	19,149.8	12,147.3	56.2	63.5	37.96	-6,387.5	-551.8	357.7	234.5	123.21	2.903	
19,570.0	12,429.8	19,244.8	12,147.3	56.9	64.0	37.96	-6,482.5	-551.2	357.7	233.2	124.53	2.872	
19,665.0	12,429.8	19,339.8	12,147.3	57.6	64.6	37.96	-6,577.5	-550.6	357.7	231.8	125.86	2.842	
19,760.0	12,429.8	19,434.8	12,147.3	58.3	65.2	37.96	-6,672.5	-550.0	357.7	230.5	127.18	2.812	
19,855.0	12,429.8	19,529.8	12,147.3	59.0	65.8	37.96	-6,767.5	-549.4	357.7	229.2	128.51	2.783	
19,950.0	12,429.8	19,624.8	12,147.3	59.8	66.4	37.96	-6,862.5	-548.9	357.7	227.8	129.85	2.755	
20,045.0	12,429.8	19,719.8	12,147.3	60.5	67.0	37.96	-6,957.5	-548.3	357.7	226.5	131.18	2.727	
20,140.0	12,429.8	19,814.8	12,147.3	61.2	67.7	37.96	-7,052.5	-547.7	357.7	225.2	132.52	2.699	
20,235.0	12,429.8	19,909.8	12,147.3	61.9	68.3	37.96	-7,147.5	-547.1	357.7	223.8	133.86	2.672	
20,330.0	12,429.8	20,004.8	12,147.3	62.6	68.9	37.96	-7,242.5	-546.5	357.7	222.5	135.21	2.645	
20,425.0	12,429.8	20,099.8	12,147.3	63.3	69.5	37.96	-7,337.5	-545.9	357.7	221.1	136.55	2.619	
20,520.0	12,429.8	20,194.8	12,147.3	64.0	70.1	37.96	-7,432.5	-545.4	357.7	219.8	137.90	2.594	
20,615.0	12,429.8	20,289.8	12,147.3	64.7	70.7	37.96	-7,527.5	-544.8	357.7	218.4	139.26	2.568	
20,710.0	12,429.8	20,384.8	12,147.3	65.4	71.3	37.96	-7,622.5	-544.2	357.7	217.1	140.61	2.544	
20,805.0	12,429.8	20,479.8	12,147.3	66.1	72.0	37.96	-7,717.5	-543.6	357.7	215.7	141.97	2.519	
20,900.0	12,429.8	20,574.8	12,147.3	66.9	72.6	37.96	-7,812.5	-543.0	357.7	214.3	143.33	2.496	
20,995.0	12,429.8	20,669.8	12,147.3	67.6	73.2	37.96	-7,907.5	-542.5	357.7	213.0	144.69	2.472	
21,090.0	12,429.8	20,764.8	12,147.3	68.3	73.8	37.96	-8,002.5	-541.9	357.7	211.6	146.05	2.449	
21,185.0	12,429.8	20,859.8	12,147.3	69.0	74.5	37.96	-8,097.5	-541.3	357.7	210.3	147.42	2.426	
21,280.0	12,429.8	20,954.8	12,147.3	69.7	75.1	37.96	-8,192.5	-540.7	357.7	208.9	148.79	2.404	
21,375.0	12,429.8	21,049.8	12,147.3	70.4	75.7	37.96	-8,287.5	-540.1	357.7	207.5	150.16	2.382	
21,470.0	12,429.8	21,144.8	12,147.3	71.1	76.4	37.96	-8,382.5	-539.5	357.7	206.1	151.53	2.360	
21,565.0	12,429.8	21,239.8	12,147.3	71.8	77.0	37.96	-8,477.5	-539.0	357.7	204.8	152.90	2.339	
21,660.0	12,429.8	21,334.8	12,147.3	72.6	77.6	37.96	-8,572.5	-538.4	357.7	203.4	154.28	2.318	
21,755.0	12,429.8	21,429.8	12,147.3	73.3	78.3	37.96	-8,667.5	-537.8	357.7	202.0	155.66	2.298	
21,850.0	12,429.8	21,524.8	12,147.3	74.0	78.9	37.96	-8,762.5	-537.2	357.7	200.6	157.04	2.278	
21,945.0	12,429.8	21,619.8	12,147.3	74.7	79.6	37.96	-8,857.5	-536.6	357.7	199.3	158.42	2.258	
22,040.0	12,429.8	21,714.8	12,147.3	75.4	80.2	37.96	-8,952.5	-536.1	357.7	197.9	159.80	2.238	
22,135.0	12,429.8	21,809.8	12,147.3	76.1	80.8	37.96	-9,047.5	-535.5	357.7	196.5	161.18	2.219	
22,230.0	12,429.8	21,904.8	12,147.3	76.8	81.5	37.96	-9,142.5	-534.9	357.7	195.1	162.57	2.200	
22,325.0	12,429.8	21,999.8	12,147.3	77.6	82.1	37.96	-9,237.5	-534.3	357.7	193.7	163.96	2.182	
22,420.0	12,429.8	22,094.8	12,147.3	78.3	82.8	37.96	-9,332.5	-533.7	357.7	192.3	165.34	2.163	
22,515.0	12,429.8	22,189.8	12,147.3	79.0	83.4	37.96	-9,427.5	-533.2	357.7	190.9	166.73	2.145	
22,610.0	12,429.8	22,284.8	12,147.3	79.7	84.1	37.96	-9,522.5	-532.6	357.7	189.5	168.13	2.127	
22,705.0	12,429.8	22,379.8	12,147.3	80.4	84.7	37.96	-9,617.5	-532.0	357.7	188.1	169.52	2.110	
22,800.0	12,429.8	22,474.8	12,147.3	81.1	85.4	37.96	-9,712.5	-531.4	357.7	186.8	170.91	2.093	
22,834.5	12,429.8	22,509.3	12,147.3	81.4	85.6	37.96	-9,746.9	-531.2	357.7	186.3	171.41	2.087 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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #801H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-MWD+IFR1+MS, 11773-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	3.0	3.0	89.52	0.5	60.0	60.0				
95.0	95.0	97.0	97.0	3.0	3.0	89.52	0.5	60.0	60.0	54.0	6.00	10.000	
190.0	190.0	192.0	192.0	3.0	3.0	89.52	0.5	60.0	60.0	54.0	6.00	9.996	
285.0	285.0	287.0	287.0	3.0	3.0	89.52	0.5	60.0	60.0	54.0	6.01	9.987	
380.0	380.0	382.0	382.0	3.0	3.0	89.52	0.5	60.0	60.0	54.0	6.02	9.973	
475.0	475.0	477.0	477.0	3.0	3.0	89.52	0.5	60.0	60.0	54.0	6.03	9.955	
570.0	570.0	572.0	572.0	3.1	3.1	89.52	0.5	60.0	60.0	54.0	6.04	9.932	
665.0	665.0	667.0	667.0	3.1	3.1	89.52	0.5	60.0	60.0	53.9	6.06	9.904	
760.0	760.0	762.0	762.0	3.1	3.1	89.52	0.5	60.0	60.0	53.9	6.08	9.872	
855.0	855.0	857.0	857.0	3.2	3.2	89.52	0.5	60.0	60.0	53.9	6.10	9.835	
950.0	950.0	952.0	952.0	3.2	3.2	89.52	0.5	60.0	60.0	53.9	6.13	9.794	
1,045.0	1,045.0	1,047.0	1,047.0	3.3	3.3	89.52	0.5	60.0	60.0	53.8	6.15	9.749	
1,140.0	1,140.0	1,142.0	1,142.0	3.3	3.3	89.52	0.5	60.0	60.0	53.8	6.19	9.701	
1,235.0	1,235.0	1,237.0	1,237.0	3.4	3.4	89.52	0.5	60.0	60.0	53.8	6.22	9.648	
1,330.0	1,330.0	1,332.0	1,332.0	3.4	3.4	89.52	0.5	60.0	60.0	53.7	6.26	9.593	
1,425.0	1,425.0	1,427.0	1,427.0	3.5	3.5	89.52	0.5	60.0	60.0	53.7	6.29	9.534	
1,520.0	1,520.0	1,522.0	1,522.0	3.6	3.6	89.52	0.5	60.0	60.0	53.7	6.34	9.471	
1,615.0	1,615.0	1,617.0	1,617.0	3.6	3.6	89.52	0.5	60.0	60.0	53.6	6.38	9.406	
1,710.0	1,710.0	1,712.0	1,712.0	3.7	3.7	89.52	0.5	60.0	60.0	53.6	6.43	9.339 CC	
1,711.5	1,711.5	1,713.5	1,713.5	3.7	3.7	93.28	0.5	60.0	60.0	53.6	6.43	9.338 ES	
1,805.0	1,805.0	1,806.2	1,806.2	3.8	3.8	93.39	0.9	60.4	60.4	53.9	6.50	9.303	
1,900.0	1,899.9	1,900.0	1,899.9	3.9	4.0	94.22	3.3	62.8	63.0	56.2	6.87	9.171	
1,995.0	1,994.7	1,993.1	1,992.8	3.9	4.6	95.65	7.8	67.2	68.1	60.7	7.43	9.169 SF	
2,090.0	2,089.2	2,086.2	2,085.5	4.0	5.2	97.42	14.5	73.8	75.6	67.7	7.91	9.553	
2,185.0	2,183.3	2,179.0	2,177.4	4.1	5.8	99.28	23.3	82.5	85.6	77.2	8.34	10.255	
2,280.0	2,277.2	2,271.8	2,268.9	4.2	6.0	100.65	34.2	93.2	97.8	89.2	8.58	11.404	
2,375.0	2,371.0	2,365.9	2,361.6	4.2	6.2	101.40	45.8	104.7	110.6	101.9	8.76	12.632	
2,470.0	2,464.8	2,460.0	2,454.3	4.3	6.3	102.00	57.5	116.1	123.5	114.5	8.98	13.743	
2,565.0	2,558.7	2,554.2	2,547.0	4.4	6.5	102.48	69.1	127.6	136.3	127.1	9.24	14.750	
2,660.0	2,652.5	2,648.3	2,639.7	4.5	6.7	102.88	80.8	139.1	149.2	139.6	9.52	15.674	
2,755.0	2,746.3	2,742.4	2,732.4	4.6	6.9	103.22	92.4	150.6	162.0	152.2	9.81	16.519	
2,850.0	2,840.2	2,836.5	2,825.1	4.7	7.1	103.51	104.1	162.0	174.9	164.8	10.11	17.292	
2,945.0	2,934.0	2,930.7	2,917.8	4.8	7.4	103.76	115.7	173.5	187.8	177.3	10.43	17.999	
3,040.0	3,027.8	3,024.8	3,010.5	4.9	7.6	103.97	127.3	185.0	200.6	189.9	10.76	18.644	
3,135.0	3,121.7	3,118.9	3,103.2	5.0	7.8	104.16	139.0	196.4	213.5	202.4	11.10	19.233	
3,230.0	3,215.5	3,213.0	3,195.9	5.1	8.1	104.33	150.6	207.9	226.4	214.9	11.45	19.772	
3,325.0	3,309.3	3,307.1	3,288.5	5.2	8.4	104.48	162.3	219.4	239.3	227.5	11.81	20.264	
3,420.0	3,403.1	3,401.3	3,381.2	5.3	8.6	104.62	173.9	230.8	252.1	240.0	12.17	20.714	
3,515.0	3,497.0	3,495.4	3,473.9	5.4	8.9	104.74	185.5	242.3	265.0	252.5	12.55	21.126	
3,610.0	3,590.8	3,589.5	3,566.6	5.5	9.2	104.85	197.2	253.8	277.9	265.0	12.92	21.503	
3,705.0	3,684.6	3,683.6	3,659.3	5.6	9.5	104.95	208.8	265.2	290.8	277.5	13.31	21.848	
3,800.0	3,778.5	3,777.7	3,752.0	5.7	9.8	105.04	220.5	276.7	303.7	290.0	13.70	22.165	
3,895.0	3,872.3	3,871.9	3,844.7	5.8	10.1	105.13	232.1	288.2	316.6	302.5	14.10	22.456	
3,990.0	3,966.1	3,966.0	3,937.4	5.9	10.4	105.20	243.8	299.7	329.4	314.9	14.50	22.723	
4,085.0	4,060.0	4,060.1	4,030.1	6.0	10.7	105.28	255.4	311.1	342.3	327.4	14.90	22.968	
4,180.0	4,153.8	4,154.2	4,122.8	6.1	11.0	105.34	267.0	322.6	355.2	339.9	15.32	23.193	
4,275.0	4,247.6	4,248.3	4,215.5	6.2	11.3	105.41	278.7	334.1	368.1	352.4	15.73	23.401	
4,370.0	4,341.5	4,342.5	4,308.2	6.3	11.6	105.46	290.3	345.5	381.0	364.8	16.15	23.592	
4,465.0	4,435.3	4,436.6	4,400.8	6.4	11.9	105.52	302.0	357.0	393.9	377.3	16.57	23.767	
4,560.0	4,529.1	4,530.7	4,493.5	6.5	12.2	105.57	313.6	368.5	406.8	389.8	17.00	23.929	
4,655.0	4,623.0	4,624.8	4,586.2	6.6	12.5	105.62	325.2	379.9	419.7	402.2	17.43	24.078	
4,750.0	4,716.8	4,719.0	4,678.9	6.7	12.9	105.66	336.9	391.4	432.5	414.7	17.86	24.215	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #801H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program: Reference		0-Standard Keeper 104, 1750-MWD+IFR1+MS, 11773-MWD+IFR1+MS						Rule Assigned:					Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Separation Factor	Warning	
				Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)			
4,845.0	4,810.6	4,813.1	4,771.6	6.8	13.2	105.70	348.5	402.9	445.4	427.1	18.30	24.342		
4,940.0	4,904.5	4,907.2	4,864.3	6.9	13.5	105.74	360.2	414.4	458.3	439.6	18.74	24.458		
5,035.0	4,998.3	5,001.3	4,957.0	7.0	13.8	105.78	371.8	425.8	471.2	452.0	19.18	24.566		
5,130.0	5,092.1	5,095.4	5,049.7	7.2	14.2	105.82	383.5	437.3	484.1	464.5	19.63	24.665		
5,225.0	5,185.9	5,189.6	5,142.4	7.3	14.5	105.85	395.1	448.8	497.0	476.9	20.08	24.756		
5,320.0	5,279.8	5,283.7	5,235.1	7.4	14.8	105.88	406.7	460.2	509.9	489.3	20.53	24.839		
5,415.0	5,373.6	5,377.8	5,327.8	7.5	15.1	105.91	418.4	471.7	522.8	501.8	20.98	24.917		
5,510.0	5,467.4	5,471.9	5,420.4	7.6	15.5	105.94	430.0	483.2	535.7	514.2	21.44	24.988		
5,605.0	5,561.3	5,566.0	5,513.1	7.7	15.8	105.97	441.7	494.6	548.5	526.7	21.90	25.053		
5,700.0	5,655.1	5,660.2	5,605.8	7.8	16.1	106.00	453.3	506.1	561.4	539.1	22.36	25.113		
5,795.0	5,748.9	5,754.3	5,698.5	7.9	16.5	106.02	464.9	517.6	574.3	551.5	22.82	25.167		
5,890.0	5,842.8	5,848.4	5,791.2	8.1	16.8	106.05	476.6	529.0	587.2	563.9	23.29	25.218		
5,985.0	5,936.6	5,942.5	5,883.9	8.2	17.1	106.07	488.2	540.5	600.1	576.4	23.75	25.264		
6,080.0	6,030.4	6,036.6	5,976.6	8.3	17.5	106.09	499.9	552.0	613.0	588.8	24.22	25.305		
6,175.0	6,124.3	6,130.8	6,069.3	8.4	17.8	106.11	511.5	563.5	625.9	601.2	24.70	25.344		
6,270.0	6,218.1	6,224.9	6,162.0	8.5	18.1	106.13	523.2	574.9	638.8	613.6	25.17	25.378		
6,365.0	6,311.9	6,319.0	6,254.7	8.6	18.5	106.15	534.8	586.4	651.7	626.0	25.65	25.410		
6,460.0	6,405.8	6,413.1	6,347.4	8.8	18.8	106.22	546.4	597.9	664.5	638.4	26.12	25.438		
6,555.0	6,499.9	6,507.3	6,440.1	8.9	19.1	106.22	558.1	609.3	676.9	650.3	26.59	25.455		
6,650.0	6,594.2	6,601.5	6,532.9	9.0	19.5	106.10	569.7	620.8	688.9	661.9	27.06	25.462		
6,745.0	6,688.6	6,695.7	6,625.6	9.1	19.8	105.86	581.4	632.3	700.5	673.0	27.51	25.461		
6,840.0	6,783.2	6,789.9	6,718.4	9.2	20.2	105.50	593.0	643.8	711.7	683.8	27.96	25.453		
6,935.0	6,878.0	6,884.0	6,811.0	9.3	20.5	105.03	604.7	655.2	722.6	694.2	28.40	25.440		
7,030.0	6,972.8	6,978.0	6,903.6	9.4	20.8	104.46	616.3	666.7	733.1	704.3	28.83	25.428		
7,125.0	7,067.7	7,071.9	6,996.1	9.6	21.2	103.79	627.9	678.1	743.3	714.1	29.24	25.422		
7,220.0	7,162.7	7,165.7	7,088.5	9.7	21.5	103.02	639.5	689.6	753.4	723.7	29.64	25.419		
7,315.0	7,257.7	7,259.3	7,180.7	9.8	21.9	98.40	651.1	701.0	763.2	733.2	30.03	25.413		
7,410.0	7,352.7	7,352.9	7,272.8	9.9	22.2	97.42	662.7	712.4	773.2	742.7	30.43	25.409		
7,505.0	7,447.7	7,446.5	7,365.0	10.0	22.5	96.47	674.2	723.8	783.3	752.5	30.82	25.413		
7,600.0	7,542.7	7,540.0	7,457.1	10.1	22.9	95.54	685.8	735.2	793.7	762.5	31.22	25.423		
7,695.0	7,637.7	7,633.6	7,549.3	10.3	23.2	94.64	697.4	746.6	804.3	772.7	31.62	25.439		
7,790.0	7,732.7	7,727.1	7,641.4	10.4	23.6	93.76	709.0	758.0	815.1	783.1	32.01	25.460		
7,885.0	7,827.7	7,820.7	7,733.5	10.5	23.9	92.90	720.5	769.4	826.1	793.6	32.41	25.486		
7,980.0	7,922.7	7,914.2	7,825.7	10.6	24.2	92.06	732.1	780.8	837.2	804.4	32.81	25.516		
8,075.0	8,017.7	8,007.8	7,917.8	10.7	24.6	91.25	743.7	792.2	848.5	815.3	33.21	25.550		
8,170.0	8,112.7	8,105.9	8,014.4	10.8	24.9	90.42	755.7	804.0	859.9	826.3	33.61	25.586		
8,265.0	8,207.7	8,210.9	8,118.1	11.0	25.3	89.64	767.5	815.6	870.5	836.5	34.02	25.588		
8,360.0	8,302.7	8,316.5	8,222.7	11.1	25.7	88.96	777.9	825.9	879.9	845.5	34.43	25.555		
8,455.0	8,397.7	8,422.6	8,328.0	11.2	26.1	88.38	787.0	834.9	888.2	853.3	34.84	25.494		
8,550.0	8,492.7	8,529.1	8,434.0	11.3	26.4	87.90	794.8	842.6	895.2	860.0	35.24	25.404		
8,645.0	8,587.7	8,636.0	8,540.5	11.4	26.8	87.50	801.2	848.8	901.0	865.4	35.64	25.284		
8,740.0	8,682.7	8,743.3	8,647.5	11.6	27.2	87.20	806.2	853.7	905.6	869.6	36.03	25.136		
8,835.0	8,777.7	8,850.7	8,754.9	11.7	27.6	86.99	809.7	857.2	908.8	872.4	36.41	24.959		
8,930.0	8,872.7	8,958.3	8,862.4	11.8	27.9	86.86	811.8	859.3	910.8	874.0	36.79	24.754		
9,025.0	8,967.7	9,066.0	8,970.1	11.9	28.3	86.82	812.5	860.0	911.4	874.2	37.16	24.525		
9,055.8	8,998.5	9,096.4	9,000.5	11.9	28.4	86.82	812.5	860.0	911.4	874.1	37.28	24.451		
9,120.0	9,062.7	9,160.6	9,064.7	12.0	28.6	86.82	812.5	860.0	911.4	873.9	37.51	24.295		
9,215.0	9,157.7	9,255.6	9,159.7	12.1	28.9	86.82	812.5	860.0	911.4	873.5	37.87	24.068		
9,310.0	9,252.7	9,350.6	9,254.7	12.3	29.2	86.82	812.5	860.0	911.4	873.2	38.23	23.843		
9,405.0	9,347.7	9,445.6	9,349.7	12.4	29.5	86.82	812.5	860.0	911.4	872.8	38.58	23.621		
9,500.0	9,442.7	9,540.6	9,444.7	12.5	29.8	86.82	812.5	860.0	911.4	872.5	38.94	23.403		
9,595.0	9,537.7	9,635.6	9,539.7	12.6	30.1	86.82	812.5	860.0	911.4	872.1	39.30	23.189		

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 #802H
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Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
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Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #801H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-MWD+IFR1+MS, 11773-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,690.0	9,632.7	9,730.6	9,634.7	12.7	30.5	86.82	812.5	860.0	911.4	871.7	39.66	22.978	
9,785.0	9,727.7	9,825.6	9,729.7	12.9	30.8	86.82	812.5	860.0	911.4	871.4	40.03	22.770	
9,880.0	9,822.7	9,920.6	9,824.7	13.0	31.1	86.82	812.5	860.0	911.4	871.0	40.39	22.566	
9,975.0	9,917.7	10,015.6	9,919.7	13.1	31.4	86.82	812.5	860.0	911.4	870.6	40.75	22.364	
10,070.0	10,012.7	10,110.6	10,014.7	13.2	31.7	86.82	812.5	860.0	911.4	870.3	41.12	22.166	
10,165.0	10,107.7	10,205.6	10,109.7	13.3	32.0	86.82	812.5	860.0	911.4	869.9	41.48	21.972	
10,260.0	10,202.7	10,300.6	10,204.7	13.5	32.4	86.82	812.5	860.0	911.4	869.6	41.85	21.780	
10,355.0	10,297.7	10,395.6	10,299.7	13.6	32.7	86.82	812.5	860.0	911.4	869.2	42.21	21.591	
10,450.0	10,392.7	10,490.6	10,394.7	13.7	33.0	86.82	812.5	860.0	911.4	868.8	42.58	21.405	
10,545.0	10,487.7	10,585.6	10,489.7	13.8	33.3	86.82	812.5	860.0	911.4	868.5	42.95	21.221	
10,640.0	10,582.7	10,680.6	10,584.7	13.9	33.6	86.82	812.5	860.0	911.4	868.1	43.32	21.041	
10,735.0	10,677.7	10,775.6	10,679.7	14.1	34.0	86.82	812.5	860.0	911.4	867.7	43.68	20.863	
10,830.0	10,772.7	10,870.6	10,774.7	14.2	34.3	86.82	812.5	860.0	911.4	867.3	44.05	20.688	
10,925.0	10,867.7	10,965.6	10,869.7	14.3	34.6	86.82	812.5	860.0	911.4	867.0	44.42	20.516	
11,020.0	10,962.7	11,060.6	10,964.7	14.4	34.9	86.82	812.5	860.0	911.4	866.6	44.79	20.346	
11,115.0	11,057.7	11,155.6	11,059.7	14.6	35.2	86.82	812.5	860.0	911.4	866.2	45.17	20.179	
11,210.0	11,152.7	11,250.6	11,154.7	14.7	35.6	86.82	812.5	860.0	911.4	865.9	45.54	20.014	
11,305.0	11,247.7	11,345.6	11,249.7	14.8	35.9	86.82	812.5	860.0	911.4	865.5	45.91	19.852	
11,400.0	11,342.7	11,440.6	11,344.7	14.9	36.2	86.82	812.5	860.0	911.4	865.1	46.28	19.692	
11,495.0	11,437.7	11,535.6	11,439.7	15.0	36.5	86.82	812.5	860.0	911.4	864.7	46.66	19.534	
11,590.0	11,532.7	11,630.6	11,534.7	15.2	36.9	86.82	812.5	860.0	911.4	864.4	47.03	19.379	
11,685.0	11,627.7	11,725.6	11,629.7	15.3	37.1	86.82	812.5	860.0	911.4	864.0	47.36	19.244	
11,688.4	11,631.2	11,729.1	11,633.2	15.3	37.1	86.82	812.5	860.0	911.4	864.0	47.37	19.240	
11,780.0	11,722.7	11,804.3	11,708.4	15.4	37.2	86.88	811.5	860.3	911.8	864.3	47.54	19.178	
11,875.0	11,817.7	11,865.6	11,769.1	15.5	37.2	87.36	804.1	862.9	915.3	867.6	47.72	19.179	
11,970.0	11,912.7	11,925.0	11,826.6	15.6	37.2	88.26	789.9	867.8	922.5	874.5	47.95	19.237	
12,065.0	12,007.6	11,975.0	11,873.1	15.7	37.2	-109.03	772.8	873.7	934.9	886.6	48.29	19.359	
12,160.0	12,100.2	12,031.2	11,923.0	15.8	37.2	-105.55	748.2	882.2	956.9	908.2	48.66	19.663	
12,255.0	12,187.1	12,081.8	11,964.9	15.9	37.2	-101.29	721.5	891.4	987.7	938.6	49.12	20.108	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - HARRIER FEDERAL COM #202H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8598-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	4.2	-58.51	405.6	-662.2	776.5				
95.0	95.0	92.2	92.2	3.0	4.2	-58.50	405.9	-662.3	776.8	769.5	7.24	107.246	
190.0	190.0	186.3	186.3	3.0	4.2	-58.45	406.6	-662.3	777.2	769.9	7.25	107.249	
285.0	285.0	280.3	280.3	3.0	4.3	-58.38	407.7	-662.2	777.6	770.4	7.25	107.199	
380.0	380.0	379.6	379.6	3.0	4.3	-58.32	408.5	-662.0	777.9	770.6	7.27	107.070	
475.0	475.0	474.6	474.6	3.0	4.3	-58.27	409.1	-661.6	777.8	770.6	7.28	106.870	
485.0	485.0	484.2	484.2	3.1	4.3	-58.26	409.2	-661.5	777.8	770.5	7.28	106.845	
570.0	570.0	566.1	566.1	3.1	4.3	-58.20	410.0	-661.2	778.0	770.7	7.30	106.637	
665.0	665.0	660.3	660.2	3.1	4.3	-58.16	410.7	-661.3	778.5	771.2	7.32	106.363	
760.0	760.0	754.1	754.1	3.1	4.3	-58.11	411.5	-661.5	779.0	771.7	7.35	106.029	
855.0	855.0	844.9	844.9	3.2	4.4	-58.05	412.7	-661.7	779.9	772.5	7.38	105.684	
950.0	950.0	942.0	941.9	3.2	4.4	-58.01	413.7	-662.4	781.0	773.6	7.42	105.255	
1,045.0	1,045.0	1,035.5	1,035.4	3.3	4.4	-57.99	414.5	-663.1	782.1	774.6	7.47	104.751	
1,140.0	1,140.0	1,131.3	1,131.3	3.3	4.4	-57.97	415.4	-663.9	783.2	775.7	7.52	104.177	
1,235.0	1,235.0	1,223.6	1,223.5	3.4	4.5	-57.93	416.4	-664.5	784.2	776.7	7.57	103.563	
1,330.0	1,330.0	1,319.9	1,319.8	3.4	4.5	-57.90	417.4	-665.5	785.6	778.0	7.64	102.892	
1,425.0	1,425.0	1,414.3	1,414.2	3.5	4.6	-57.86	418.6	-666.2	786.8	779.1	7.70	102.170	
1,520.0	1,520.0	1,506.3	1,506.2	3.6	4.6	-57.81	419.9	-666.9	788.2	780.4	7.77	101.440	
1,615.0	1,615.0	1,596.9	1,596.7	3.6	4.6	-57.76	421.3	-668.1	790.0	782.2	7.84	100.715	
1,710.0	1,710.0	1,694.0	1,693.9	3.7	4.7	-57.73	422.7	-669.4	791.9	784.0	7.93	99.895	
1,805.0	1,805.0	1,811.0	1,810.8	3.8	4.7	-53.95	424.2	-669.9	792.6	784.6	8.01	98.953	
1,900.0	1,899.9	1,907.2	1,907.0	3.9	4.8	-54.11	424.7	-668.5	789.8	781.7	8.05	98.082	
1,995.0	1,994.7	1,998.1	1,998.0	3.9	4.8	-54.48	425.3	-667.4	785.3	777.2	8.10	96.990	
2,090.0	2,089.2	2,090.0	2,089.8	4.0	4.8	-55.06	426.0	-666.6	779.3	771.1	8.15	95.676	
2,185.0	2,183.3	2,183.8	2,183.6	4.1	4.9	-55.88	426.8	-665.9	771.9	763.7	8.20	94.171	
2,280.0	2,277.2	2,276.7	2,276.5	4.2	4.9	-56.73	427.6	-665.4	763.5	755.2	8.25	92.566	
2,375.0	2,371.0	2,372.2	2,372.0	4.2	5.0	-57.62	428.3	-664.9	755.3	747.0	8.30	90.975	
2,470.0	2,464.8	2,465.2	2,465.0	4.3	5.0	-58.50	429.0	-664.4	747.2	738.9	8.35	89.433	
2,565.0	2,558.7	2,557.9	2,557.7	4.4	5.1	-59.40	429.6	-663.9	739.4	731.0	8.41	87.901	
2,660.0	2,652.5	2,651.9	2,651.7	4.5	5.2	-60.36	430.0	-663.7	731.8	723.4	8.47	86.402	
2,755.0	2,746.3	2,745.8	2,745.6	4.6	5.2	-61.36	430.1	-663.7	724.6	716.0	8.54	84.883	
2,850.0	2,840.2	2,837.9	2,837.7	4.7	5.2	-62.38	430.1	-663.8	717.6	709.0	8.61	83.331	
2,945.0	2,934.0	2,932.3	2,932.1	4.8	5.2	-63.44	430.1	-663.9	710.9	702.2	8.68	81.855	
3,040.0	3,027.8	3,029.0	3,028.8	4.9	5.2	-64.55	430.0	-664.0	704.3	695.5	8.75	80.506	
3,135.0	3,121.7	3,126.8	3,126.6	5.0	5.2	-65.70	429.7	-663.6	697.5	688.7	8.80	79.243	
3,230.0	3,215.5	3,225.6	3,225.4	5.1	5.3	-66.85	429.4	-662.3	690.2	681.4	8.86	77.877	
3,325.0	3,309.3	3,324.5	3,324.3	5.2	5.3	-68.04	429.0	-660.4	682.6	673.7	8.93	76.438	
3,420.0	3,403.1	3,418.7	3,418.4	5.3	5.3	-69.17	428.6	-658.3	675.0	666.0	9.00	74.956	
3,515.0	3,497.0	3,516.5	3,516.2	5.4	5.3	-70.35	428.4	-655.6	667.2	658.1	9.09	73.416	
3,610.0	3,590.8	3,603.8	3,603.4	5.5	5.4	-71.41	428.4	-653.0	659.6	650.4	9.17	71.894	
3,705.0	3,684.6	3,685.1	3,684.7	5.6	5.4	-72.46	428.3	-652.4	654.2	644.9	9.26	70.609	
3,800.0	3,778.5	3,778.0	3,777.6	5.7	5.5	-73.67	428.4	-652.3	649.6	640.3	9.37	69.370	
3,895.0	3,872.3	3,873.7	3,873.4	5.8	5.5	-74.97	428.1	-652.3	645.6	636.1	9.47	68.184	
3,990.0	3,966.1	3,972.1	3,971.7	5.9	5.5	-76.31	427.9	-651.9	641.4	631.8	9.58	66.951	
4,085.0	4,060.0	4,073.2	4,072.8	6.0	5.5	-77.74	427.1	-650.1	636.2	626.5	9.70	65.554	
4,180.0	4,153.8	4,170.7	4,170.3	6.1	5.6	-79.15	426.1	-647.7	630.7	620.9	9.84	64.125	
4,275.0	4,247.6	4,277.3	4,276.8	6.2	5.6	-80.76	424.4	-643.8	624.4	614.4	9.98	62.550	
4,370.0	4,341.5	4,371.6	4,370.9	6.3	5.6	-82.26	422.3	-639.1	617.3	607.1	10.13	60.946	
4,465.0	4,435.3	4,450.0	4,449.3	6.4	5.7	-83.55	420.4	-635.8	611.3	601.0	10.27	59.529	
4,560.0	4,529.1	4,526.6	4,525.8	6.5	5.7	-84.80	419.0	-635.2	609.0	598.5	10.41	58.523	
4,655.0	4,623.0	4,619.5	4,618.8	6.6	5.7	-86.29	417.7	-635.7	608.3	597.8	10.54	57.709	
4,750.0	4,716.8	4,713.9	4,713.1	6.7	5.7	-87.81	416.3	-636.2	608.1	597.4	10.68	56.925	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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: Reference		100-Standard Keeper 104, 8598-MWD+IFR1+FDIR						Rule Assigned: Distance					Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,845.0	4,810.6	4,809.4	4,808.6	6.8	5.7	-89.30	415.4	-636.5	608.0	597.1	10.83	56.145		
4,882.5	4,847.6	4,854.0	4,853.2	6.9	5.7	-89.88	416.2	-636.4	607.8	596.9	10.89	55.797		
4,940.0	4,904.5	4,910.0	4,909.2	6.9	5.8	-90.49	418.5	-636.0	607.2	596.2	10.99	55.255		
5,009.4	4,973.0	4,975.0	4,974.1	7.0	5.8	-91.17	421.6	-635.7	606.9	595.8	11.11	54.644	CC, ES	
5,035.0	4,998.3	4,994.5	4,993.5	7.0	5.8	-91.36	422.6	-635.8	607.0	595.8	11.15	54.457		
5,130.0	5,092.1	5,084.5	5,083.4	7.2	5.9	-92.17	428.0	-637.5	608.6	597.3	11.30	53.852		
5,225.0	5,185.9	5,170.9	5,169.5	7.3	5.9	-92.74	435.3	-640.1	611.2	599.8	11.46	53.348		
5,320.0	5,279.8	5,264.4	5,262.4	7.4	6.0	-93.19	444.7	-643.7	614.6	603.0	11.61	52.914		
5,415.0	5,373.6	5,358.2	5,355.7	7.5	6.1	-93.66	453.9	-647.6	618.2	606.5	11.78	52.502		
5,510.0	5,467.4	5,451.8	5,448.8	7.6	6.1	-94.13	462.9	-651.6	622.0	610.1	11.94	52.100		
5,605.0	5,561.3	5,545.2	5,541.7	7.7	6.2	-94.66	471.3	-655.6	626.0	613.9	12.11	51.711		
5,700.0	5,655.1	5,647.1	5,643.2	7.8	6.3	-95.34	479.4	-659.2	629.4	617.2	12.28	51.265		
5,795.0	5,748.9	5,744.2	5,740.0	7.9	6.3	-96.02	486.6	-662.0	632.5	620.0	12.46	50.783		
5,890.0	5,842.8	5,866.6	5,862.0	8.1	6.5	-96.83	496.9	-661.7	632.3	619.7	12.66	49.957		
5,985.0	5,936.6	5,957.9	5,952.9	8.2	6.5	-97.40	505.2	-660.6	631.4	618.5	12.85	49.140		
6,080.0	6,030.4	6,050.9	6,045.4	8.3	6.6	-97.85	515.1	-660.2	631.0	617.9	13.04	48.389		
6,122.1	6,072.0	6,090.8	6,085.0	8.3	6.6	-98.02	519.5	-660.2	630.9	617.8	13.12	48.071		
6,175.0	6,124.3	6,143.5	6,137.3	8.4	6.7	-98.25	525.2	-660.2	630.9	617.7	13.23	47.679		
6,270.0	6,218.1	6,236.9	6,230.2	8.5	6.8	-98.66	535.4	-660.3	631.1	617.6	13.43	46.993		
6,365.0	6,311.9	6,328.0	6,320.8	8.6	6.9	-99.08	545.0	-660.8	631.6	618.0	13.63	46.351		
6,460.0	6,405.8	6,421.0	6,413.3	8.8	6.9	-99.54	554.3	-661.5	632.5	618.7	13.82	45.753		
6,555.0	6,499.9	6,514.1	6,506.0	8.9	7.0	-99.92	563.0	-662.4	633.7	619.6	14.02	45.212		
6,650.0	6,594.2	6,606.9	6,598.5	9.0	7.1	-100.23	570.9	-663.5	634.8	620.6	14.20	44.719		
6,745.0	6,688.6	6,700.9	6,692.2	9.1	7.2	-100.46	578.2	-664.6	635.9	621.6	14.36	44.271		
6,840.0	6,783.2	6,791.9	6,782.9	9.2	7.3	-100.54	585.4	-666.0	637.0	622.5	14.52	43.873		
6,935.0	6,878.0	6,884.5	6,875.1	9.3	7.4	-100.41	593.4	-668.1	638.4	623.7	14.66	43.541		
7,030.0	6,972.8	6,975.0	6,965.3	9.4	7.5	-100.17	600.8	-670.7	640.1	625.3	14.78	43.295		
7,125.0	7,067.7	7,072.4	7,062.2	9.6	7.6	-99.76	608.9	-673.9	641.9	627.0	14.88	43.126		
7,220.0	7,162.7	7,170.0	7,159.1	9.7	7.7	-98.91	620.3	-676.9	642.6	627.7	14.97	42.932		
7,315.0	7,257.7	7,262.3	7,250.8	9.8	7.7	-101.78	630.6	-679.8	643.4	628.3	15.05	42.748		
7,410.0	7,352.7	7,357.6	7,345.6	9.9	7.8	-100.89	640.3	-682.7	644.3	629.2	15.13	42.577		
7,505.0	7,447.7	7,451.5	7,439.0	10.0	7.9	-100.07	649.2	-685.3	645.3	630.1	15.22	42.407		
7,600.0	7,542.7	7,544.6	7,531.7	10.1	8.0	-99.30	657.5	-687.9	646.5	631.2	15.30	42.251		
7,695.0	7,637.7	7,640.1	7,626.9	10.3	8.1	-98.59	665.2	-690.7	648.0	632.6	15.39	42.109		
7,790.0	7,732.7	7,737.4	7,723.9	10.4	8.2	-97.92	672.6	-693.3	649.5	634.1	15.48	41.966		
7,885.0	7,827.7	7,833.7	7,819.8	10.5	8.3	-97.23	680.1	-695.2	650.5	634.9	15.57	41.780		
7,980.0	7,922.7	7,925.3	7,911.3	10.6	8.4	-96.66	686.5	-697.2	651.7	636.0	15.66	41.613		
8,075.0	8,017.7	8,035.5	8,021.1	10.7	8.5	-95.97	694.1	-699.7	653.2	637.5	15.76	41.447		
8,170.0	8,112.7	8,142.5	8,127.5	10.8	8.6	-94.98	705.5	-698.3	651.0	635.1	15.88	40.992		
8,265.0	8,207.7	8,233.7	8,218.2	11.0	8.7	-94.18	714.7	-697.2	649.0	633.0	15.98	40.619		
8,360.0	8,302.7	8,325.0	8,309.1	11.1	8.8	-93.45	723.0	-696.4	647.6	631.6	16.08	40.285		
8,455.0	8,397.7	8,417.6	8,401.4	11.2	8.9	-92.78	730.7	-696.0	646.7	630.6	16.18	39.974		
8,550.0	8,492.7	8,508.2	8,491.9	11.3	9.0	-92.45	734.4	-695.9	646.5	630.2	16.27	39.734		
8,591.0	8,533.8	8,549.5	8,533.2	11.4	9.1	-92.33	735.7	-696.0	646.5	630.2	16.30	39.657		
8,639.8	8,582.5	8,598.0	8,581.7	11.4	9.1	-92.20	737.2	-696.0	646.5	630.2	16.34	39.569		
8,645.0	8,587.7	8,602.9	8,586.6	11.4	9.1	-92.19	737.3	-696.0	646.5	630.2	16.34	39.561		
8,740.0	8,682.7	8,692.0	8,675.7	11.6	9.1	-92.29	736.2	-696.4	647.0	630.6	16.40	39.446		
8,835.0	8,777.7	8,786.0	8,768.0	11.7	9.1	-93.72	720.0	-696.6	648.0	631.5	16.50	39.284		
8,930.0	8,872.7	8,849.0	8,826.5	11.8	9.2	-95.76	696.8	-696.5	651.3	634.6	16.71	38.983		
9,025.0	8,967.7	8,901.8	8,871.9	11.9	9.2	-98.10	669.8	-697.6	661.0	643.8	17.19	38.456		
9,120.0	9,062.7	8,956.3	8,915.2	12.0	9.3	-100.89	636.9	-700.2	678.2	660.3	17.93	37.817		
9,215.0	9,157.7	9,015.2	8,960.3	12.1	9.3	-103.97	599.3	-703.9	702.0	683.1	18.83	37.271		

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - HARRIER FEDERAL COM #202H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8598-MWD+IFR1+FDIR							Rule Assigned:						Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,310.0	9,252.7	9,069.0	9,000.0	12.3	9.4	-106.82	563.2	-707.7	731.8	711.9	19.90	36.775		
9,405.0	9,347.7	9,109.0	9,027.5	12.4	9.4	-109.02	534.3	-710.4	768.1	746.9	21.19	36.255		
9,500.0	9,442.7	9,146.6	9,051.9	12.5	9.5	-111.14	505.8	-712.8	810.6	788.1	22.51	36.005		
9,595.0	9,537.7	9,172.9	9,067.6	12.6	9.5	-112.66	484.6	-714.4	859.4	835.5	23.91	35.942 SF		
9,690.0	9,632.7	9,194.0	9,079.0	12.7	9.6	-113.90	467.0	-715.7	914.2	888.9	25.27	36.174		
9,785.0	9,727.7	9,235.9	9,100.6	12.9	9.6	-116.34	431.2	-718.1	973.7	947.3	26.37	36.917		

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	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 - MONSOON FEDERAL SWD #1 - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 249-MWD - OWSG R1												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)			
13,395.0	12,429.8	12,371.7	12,369.1	16.9	43.0	87.77	-910.7	-1,060.8	934.2	876.4	57.84	16.153	
13,490.0	12,429.8	12,371.0	12,368.5	17.0	43.0	87.79	-910.7	-1,060.8	868.6	810.6	58.01	14.972	
13,585.0	12,429.8	12,370.3	12,367.7	17.2	43.0	87.78	-910.7	-1,060.8	811.4	753.1	58.33	13.911	
13,680.0	12,429.8	12,369.4	12,366.8	17.5	43.0	87.75	-910.7	-1,060.7	764.6	705.8	58.82	12.999	
13,775.0	12,429.8	12,368.4	12,365.8	17.8	43.0	87.68	-910.8	-1,060.7	730.1	670.7	59.39	12.292	
13,870.0	12,429.8	12,367.3	12,364.8	18.1	43.0	87.60	-910.8	-1,060.7	707.2	647.1	60.08	11.771	
13,965.0	12,429.8	12,366.3	12,363.8	18.5	43.0	87.51	-910.8	-1,060.6	696.7	635.9	60.85	11.449	
13,995.2	12,429.8	12,366.0	12,363.5	18.6	43.0	87.48	-910.8	-1,060.6	696.0	634.9	61.11	11.391 CC, ES	
14,060.0	12,429.8	12,365.3	12,362.8	18.9	43.0	87.43	-910.8	-1,060.6	699.1	637.4	61.64	11.341 SF	
14,155.0	12,429.8	12,364.3	12,361.8	19.4	43.0	87.35	-910.8	-1,060.5	714.1	651.8	62.36	11.453	
14,250.0	12,429.8	12,363.3	12,360.8	19.9	43.0	87.26	-910.8	-1,060.5	741.2	678.2	62.96	11.773	
14,345.0	12,429.8	12,362.3	12,359.8	20.4	43.0	87.18	-910.8	-1,060.4	779.0	715.6	63.42	12.283	
14,440.0	12,429.8	12,361.4	12,358.8	20.9	43.0	87.11	-910.8	-1,060.4	826.0	762.3	63.75	12.956	
14,535.0	12,429.8	12,360.4	12,357.9	21.5	43.0	87.03	-910.8	-1,060.4	880.8	816.8	63.98	13.767	
14,630.0	12,429.8	12,359.5	12,356.9	22.1	43.0	86.95	-910.8	-1,060.3	942.0	877.9	64.12	14.691	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - PILEDRIVER FEDERAL #711H - OWB - PWP0												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11964-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	
12,920.0	12,429.8	12,876.0	12,486.0	16.5	39.1	93.28	150.2	-1,250.6	996.5	946.0	50.50	19.733	
13,015.0	12,429.8	12,967.6	12,486.0	16.5	39.1	93.34	58.7	-1,249.9	971.1	920.0	51.06	19.017	
13,110.0	12,429.8	13,059.9	12,486.0	16.6	39.2	93.39	-33.6	-1,249.2	948.7	897.1	51.67	18.363	
13,205.0	12,429.8	13,152.9	12,486.0	16.7	39.2	93.43	-126.6	-1,248.4	929.5	877.2	52.30	17.771	
13,300.0	12,429.8	13,246.5	12,486.0	16.8	39.3	93.48	-220.2	-1,247.6	913.3	860.3	52.97	17.243	
13,395.0	12,429.8	13,340.6	12,486.0	16.9	39.4	93.51	-314.3	-1,246.9	900.2	846.5	53.66	16.777	
13,490.0	12,429.8	13,435.1	12,486.0	17.0	39.5	93.54	-408.8	-1,246.1	890.2	835.9	54.37	16.373	
13,585.0	12,429.8	13,529.8	12,486.0	17.2	39.6	93.56	-503.5	-1,245.3	883.4	828.3	55.11	16.029	
13,680.0	12,429.8	13,624.7	12,486.0	17.5	39.7	93.57	-598.4	-1,244.6	879.7	823.9	55.87	15.746	
13,775.0	12,429.8	13,719.7	12,486.0	17.8	39.8	93.57	-693.4	-1,243.8	878.9	822.4	56.55	15.544	
13,870.0	12,429.8	13,814.7	12,486.0	18.1	40.0	93.57	-788.4	-1,243.0	878.8	821.5	57.22	15.359	
13,965.0	12,429.8	13,909.7	12,486.0	18.5	40.2	93.57	-883.4	-1,242.2	878.6	820.6	57.91	15.170	
14,060.0	12,429.8	14,004.7	12,486.0	18.9	40.4	93.57	-978.4	-1,241.5	878.4	819.7	58.64	14.979	
14,155.0	12,429.8	14,099.7	12,486.0	19.4	40.6	93.57	-1,073.4	-1,240.7	878.2	818.8	59.39	14.786	
14,250.0	12,429.8	14,194.7	12,486.0	19.9	40.8	93.57	-1,168.4	-1,239.9	878.0	817.8	60.17	14.592	
14,345.0	12,429.8	14,289.7	12,486.0	20.4	41.0	93.57	-1,263.4	-1,239.2	877.8	816.8	60.97	14.397	
14,440.0	12,429.8	14,384.7	12,486.0	20.9	41.3	93.57	-1,358.4	-1,238.4	877.6	815.8	61.79	14.202	
14,535.0	12,429.8	14,479.7	12,486.0	21.5	41.5	93.57	-1,453.4	-1,237.6	877.4	814.8	62.64	14.008	
14,630.0	12,429.8	14,574.7	12,486.0	22.1	41.8	93.58	-1,548.4	-1,236.8	877.2	813.7	63.50	13.814	
14,725.0	12,429.8	14,669.7	12,486.0	22.6	42.1	93.58	-1,643.4	-1,236.1	877.0	812.6	64.38	13.622	
14,820.0	12,429.8	14,764.7	12,486.0	23.2	42.4	93.58	-1,738.4	-1,235.3	876.8	811.6	65.28	13.431	
14,915.0	12,429.8	14,859.7	12,486.0	23.8	42.7	93.58	-1,833.4	-1,234.5	876.7	810.4	66.20	13.242	
15,010.0	12,429.8	14,954.7	12,486.0	24.4	43.0	93.58	-1,928.4	-1,233.8	876.5	809.3	67.14	13.055	
15,105.0	12,429.8	15,049.7	12,486.0	25.0	43.3	93.58	-2,023.4	-1,233.0	876.3	808.2	68.09	12.869	
15,200.0	12,429.8	15,144.7	12,486.0	25.6	43.7	93.58	-2,118.4	-1,232.2	876.1	807.0	69.05	12.687	
15,295.0	12,429.8	15,239.7	12,486.0	26.3	44.0	93.58	-2,213.4	-1,231.4	875.9	805.9	70.04	12.506	
15,390.0	12,429.8	15,334.7	12,486.0	26.9	44.4	93.58	-2,308.4	-1,230.7	875.7	804.7	71.03	12.328	
15,485.0	12,429.8	15,429.7	12,486.0	27.5	44.7	93.58	-2,403.4	-1,229.9	875.5	803.5	72.04	12.153	
15,580.0	12,429.8	15,524.7	12,486.0	28.2	45.1	93.58	-2,498.4	-1,229.1	875.3	802.3	73.06	11.981	
15,675.0	12,429.8	15,619.7	12,486.0	28.8	45.5	93.58	-2,593.4	-1,228.3	875.1	801.0	74.09	11.811	
15,770.0	12,429.8	15,714.7	12,486.0	29.4	45.9	93.58	-2,688.4	-1,227.6	874.9	799.8	75.14	11.644	
15,865.0	12,429.8	15,809.7	12,486.0	30.1	46.3	93.59	-2,783.4	-1,226.8	874.7	798.5	76.20	11.480	
15,960.0	12,429.8	15,904.7	12,486.0	30.8	46.7	93.59	-2,878.4	-1,226.0	874.5	797.3	77.26	11.319	
16,055.0	12,429.8	15,999.7	12,486.0	31.4	47.1	93.59	-2,973.4	-1,225.3	874.4	796.0	78.34	11.161	
16,150.0	12,429.8	16,094.7	12,486.0	32.1	47.5	93.59	-3,068.4	-1,224.5	874.2	794.7	79.43	11.005	
16,245.0	12,429.8	16,189.7	12,486.0	32.7	48.0	93.59	-3,163.3	-1,223.7	874.0	793.4	80.53	10.853	
16,340.0	12,429.8	16,284.7	12,486.0	33.4	48.4	93.59	-3,258.3	-1,222.9	873.8	792.1	81.64	10.703	
16,435.0	12,429.8	16,379.7	12,486.0	34.1	48.9	93.59	-3,353.3	-1,222.2	873.6	790.8	82.76	10.556	
16,530.0	12,429.8	16,474.7	12,486.0	34.7	49.3	93.59	-3,448.3	-1,221.4	873.4	789.5	83.88	10.412	
16,625.0	12,429.8	16,569.7	12,486.0	35.4	49.8	93.59	-3,543.3	-1,220.6	873.2	788.2	85.02	10.271	
16,720.0	12,429.8	16,664.7	12,486.0	36.1	50.2	93.59	-3,638.3	-1,219.9	873.0	786.9	86.16	10.132	
16,815.0	12,429.8	16,759.7	12,486.0	36.8	50.7	93.59	-3,733.3	-1,219.1	872.8	785.5	87.31	9.997	
16,910.0	12,429.8	16,854.7	12,486.0	37.4	51.2	93.59	-3,828.3	-1,218.3	872.6	784.2	88.47	9.863	
17,005.0	12,429.8	16,949.7	12,486.0	38.1	51.7	93.59	-3,923.3	-1,217.5	872.4	782.8	89.64	9.733	
17,100.0	12,429.8	17,044.7	12,486.0	38.8	52.2	93.60	-4,018.3	-1,216.8	872.3	781.4	90.81	9.605	
17,195.0	12,429.8	17,139.7	12,486.0	39.5	52.7	93.60	-4,113.3	-1,216.0	872.1	780.1	91.99	9.480	
17,290.0	12,429.8	17,234.7	12,486.0	40.2	53.2	93.60	-4,208.3	-1,215.2	871.9	778.7	93.18	9.357	
17,385.0	12,429.8	17,329.7	12,486.0	40.9	53.7	93.60	-4,303.3	-1,214.4	871.7	777.3	94.37	9.236	
17,480.0	12,429.8	17,424.7	12,486.0	41.6	54.2	93.60	-4,398.3	-1,213.7	871.5	775.9	95.57	9.118	
17,575.0	12,429.8	17,519.7	12,486.0	42.2	54.7	93.60	-4,493.3	-1,212.9	871.3	774.5	96.78	9.003	
17,670.0	12,429.8	17,614.7	12,486.0	42.9	55.2	93.60	-4,588.3	-1,212.1	871.1	773.1	97.99	8.890	
17,765.0	12,429.8	17,709.7	12,486.0	43.6	55.7	93.60	-4,683.3	-1,211.4	870.9	771.7	99.21	8.778	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - PILEDRIVER FEDERAL #711H - OWB - PWP0												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11964-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)		
17,860.0	12,429.8	17,804.7	12,486.0	44.3	56.3	93.60	-4,778.3	-1,210.6	870.7	770.3	100.43	8.670	
17,955.0	12,429.8	17,899.7	12,486.0	45.0	56.8	93.60	-4,873.3	-1,209.8	870.5	768.9	101.66	8.563	
18,050.0	12,429.8	17,994.7	12,486.0	45.7	57.3	93.60	-4,968.3	-1,209.0	870.3	767.4	102.90	8.458	
18,145.0	12,429.8	18,089.7	12,486.0	46.4	57.9	93.60	-5,063.3	-1,208.3	870.2	766.0	104.14	8.356	
18,240.0	12,429.8	18,184.7	12,486.0	47.1	58.4	93.60	-5,158.3	-1,207.5	870.0	764.6	105.38	8.255	
18,335.0	12,429.8	18,279.7	12,486.0	47.8	59.0	93.61	-5,253.3	-1,206.7	869.8	763.1	106.63	8.157	
18,430.0	12,429.8	18,374.7	12,486.0	48.5	59.5	93.61	-5,348.3	-1,206.0	869.6	761.7	107.88	8.060	
18,525.0	12,429.8	18,469.7	12,486.0	49.2	60.1	93.61	-5,443.3	-1,205.2	869.4	760.3	109.14	7.966	
18,620.0	12,429.8	18,564.7	12,486.0	49.9	60.6	93.61	-5,538.3	-1,204.4	869.2	758.8	110.40	7.873	
18,715.0	12,429.8	18,659.7	12,486.0	50.6	61.2	93.61	-5,633.3	-1,203.6	869.0	757.3	111.67	7.782	
18,810.0	12,429.8	18,754.7	12,486.0	51.3	61.8	93.61	-5,728.3	-1,202.9	868.8	755.9	112.94	7.693	
18,905.0	12,429.8	18,849.7	12,486.0	52.0	62.3	93.61	-5,823.3	-1,202.1	868.6	754.4	114.21	7.605	
19,000.0	12,429.8	18,944.7	12,486.0	52.7	62.9	93.61	-5,918.3	-1,201.3	868.4	752.9	115.49	7.520	
19,095.0	12,429.8	19,039.7	12,486.0	53.4	63.5	93.61	-6,013.2	-1,200.5	868.2	751.5	116.77	7.435	
19,190.0	12,429.8	19,134.7	12,486.0	54.1	64.1	93.61	-6,108.2	-1,199.8	868.1	750.0	118.06	7.353	
19,285.0	12,429.8	19,229.7	12,486.0	54.8	64.7	93.61	-6,203.2	-1,199.0	867.9	748.5	119.35	7.272	
19,380.0	12,429.8	19,324.7	12,486.0	55.5	65.2	93.61	-6,298.2	-1,198.2	867.7	747.0	120.64	7.192	
19,475.0	12,429.8	19,419.7	12,486.0	56.2	65.8	93.62	-6,393.2	-1,197.5	867.5	745.5	121.93	7.114	
19,570.0	12,429.8	19,514.7	12,486.0	56.9	66.4	93.62	-6,488.2	-1,196.7	867.3	744.1	123.23	7.038	
19,665.0	12,429.8	19,609.7	12,486.0	57.6	67.0	93.62	-6,583.2	-1,195.9	867.1	742.6	124.53	6.963	
19,760.0	12,429.8	19,704.7	12,486.0	58.3	67.6	93.62	-6,678.2	-1,195.1	866.9	741.1	125.84	6.889	
19,855.0	12,429.8	19,799.7	12,486.0	59.0	68.2	93.62	-6,773.2	-1,194.4	866.7	739.6	127.15	6.817	
19,950.0	12,429.8	19,894.7	12,486.0	59.8	68.8	93.62	-6,868.2	-1,193.6	866.5	738.1	128.46	6.746	
20,045.0	12,429.8	19,989.7	12,486.0	60.5	69.4	93.62	-6,963.2	-1,192.8	866.3	736.6	129.77	6.676	
20,140.0	12,429.8	20,084.7	12,486.0	61.2	70.0	93.62	-7,058.2	-1,192.1	866.1	735.1	131.09	6.607	
20,235.0	12,429.8	20,179.7	12,486.0	61.9	70.6	93.62	-7,153.2	-1,191.3	866.0	733.5	132.40	6.540	
20,330.0	12,429.8	20,274.7	12,486.0	62.6	71.2	93.62	-7,248.2	-1,190.5	865.8	732.0	133.73	6.474	
20,425.0	12,429.8	20,369.7	12,486.0	63.3	71.9	93.62	-7,343.2	-1,189.7	865.6	730.5	135.05	6.409	
20,520.0	12,429.8	20,464.7	12,486.0	64.0	72.5	93.62	-7,438.2	-1,189.0	865.4	729.0	136.38	6.346	
20,615.0	12,429.8	20,559.7	12,486.0	64.7	73.1	93.62	-7,533.2	-1,188.2	865.2	727.5	137.70	6.283	
20,710.0	12,429.8	20,654.7	12,486.0	65.4	73.7	93.63	-7,628.2	-1,187.4	865.0	726.0	139.04	6.221	
20,805.0	12,429.8	20,749.7	12,486.0	66.1	74.3	93.63	-7,723.2	-1,186.6	864.8	724.4	140.37	6.161	
20,900.0	12,429.8	20,844.7	12,486.0	66.9	74.9	93.63	-7,818.2	-1,185.9	864.6	722.9	141.70	6.102	
20,995.0	12,429.8	20,939.7	12,486.0	67.6	75.6	93.63	-7,913.2	-1,185.1	864.4	721.4	143.04	6.043	
21,090.0	12,429.8	21,034.7	12,486.0	68.3	76.2	93.63	-8,008.2	-1,184.3	864.2	719.9	144.38	5.986	
21,185.0	12,429.8	21,129.7	12,486.0	69.0	76.8	93.63	-8,103.2	-1,183.6	864.0	718.3	145.72	5.929	
21,280.0	12,429.8	21,224.7	12,486.0	69.7	77.5	93.63	-8,198.2	-1,182.8	863.9	716.8	147.07	5.874	
21,375.0	12,429.8	21,319.7	12,486.0	70.4	78.1	93.63	-8,293.2	-1,182.0	863.7	715.3	148.41	5.819	
21,470.0	12,429.8	21,414.7	12,486.0	71.1	78.7	93.63	-8,388.2	-1,181.2	863.5	713.7	149.76	5.766	
21,565.0	12,429.8	21,509.7	12,486.0	71.8	79.4	93.63	-8,483.2	-1,180.5	863.3	712.2	151.11	5.713	
21,660.0	12,429.8	21,604.7	12,486.0	72.6	80.0	93.63	-8,578.2	-1,179.7	863.1	710.6	152.46	5.661	
21,755.0	12,429.8	21,699.7	12,486.0	73.3	80.6	93.63	-8,673.2	-1,178.9	862.9	709.1	153.81	5.610	
21,850.0	12,429.8	21,794.7	12,486.0	74.0	81.3	93.64	-8,768.2	-1,178.2	862.7	707.5	155.16	5.560	
21,945.0	12,429.8	21,889.7	12,486.0	74.7	81.9	93.64	-8,863.2	-1,177.4	862.5	706.0	156.52	5.511	
22,040.0	12,429.8	21,984.7	12,486.0	75.4	82.6	93.64	-8,958.1	-1,176.6	862.3	704.4	157.88	5.462	
22,135.0	12,429.8	22,079.7	12,486.0	76.1	83.2	93.64	-9,053.1	-1,175.8	862.1	702.9	159.24	5.414	
22,230.0	12,429.8	22,174.7	12,486.0	76.8	83.8	93.64	-9,148.1	-1,175.1	861.9	701.3	160.60	5.367	
22,325.0	12,429.8	22,269.7	12,486.0	77.6	84.5	93.64	-9,243.1	-1,174.3	861.8	699.8	161.96	5.321	
22,420.0	12,429.8	22,364.7	12,486.0	78.3	85.1	93.64	-9,338.1	-1,173.5	861.6	698.2	163.32	5.275	
22,515.0	12,429.8	22,459.7	12,486.0	79.0	85.8	93.64	-9,433.1	-1,172.7	861.4	696.7	164.69	5.230	
22,610.0	12,429.8	22,554.7	12,486.0	79.7	86.4	93.64	-9,528.1	-1,172.0	861.2	695.1	166.06	5.186	
22,705.0	12,429.8	22,649.7	12,486.0	80.4	87.1	93.64	-9,623.1	-1,171.2	861.0	693.6	167.42	5.143	

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 #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - PILEDRIVER FEDERAL #711H - OWB - PWP0												Offset Site Error: 3.0 usft			
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11964-MWD+IFR1+MS												Rule Assigned:		Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
22,800.0	12,429.8	22,744.7	12,486.0	81.1	87.7	93.64	-9,718.1	-1,170.4	860.8	692.0	168.79	5.100			
22,834.5	12,429.8	22,779.2	12,486.0	81.4	88.0	93.64	-9,752.6	-1,170.2	860.7	691.4	169.29	5.084	CC, ES, SF		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *KB 30ft + GL 3366.8ft @ 3396.8usft

Offset Depths are relative to Offset Datum

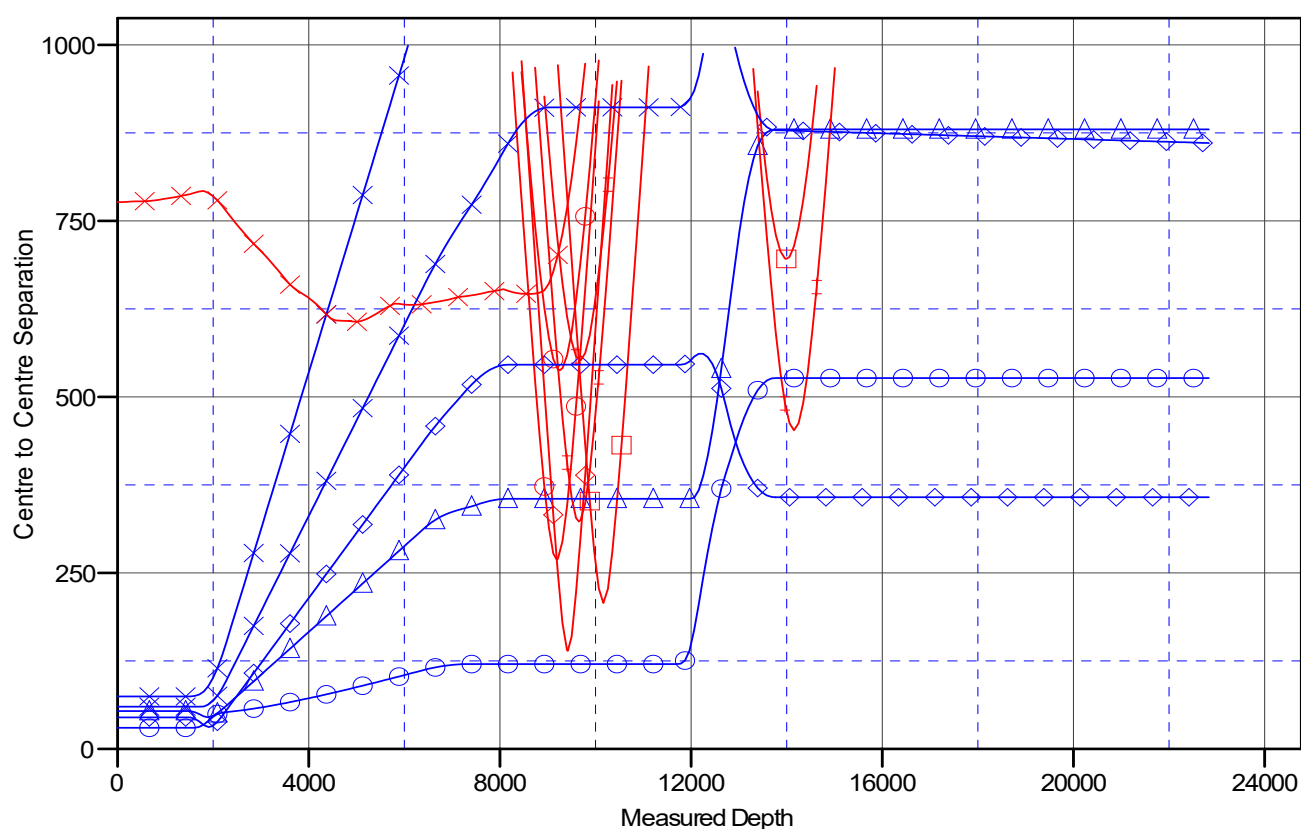
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: HARRIER FEDERAL COM #802H

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

Grid Convergence at Surface is: 0.36°

Ladder Plot



LEGEND

HARRIER 35 FEDERAL COM#11H, OWB, AWP V0	HARRIER FEDERAL COM#04H, OWB, AWP V0	HARRIER FEDERAL COM#04H, OWB, PWP0 V0
HARRIER FEDERAL COM#01H, OWB, AWP V0	HARRIER FEDERAL COM#05H, OWB, AWP V0	HARRIER FEDERAL COM#01H, OWB, PWP0 V0
HARRIER FEDERAL COM#02H, OWB, AWP V0	HARRIER FEDERAL COM#01H, OWB, PWP0 V0	HARRIER FEDERAL COM#02H, OWB, AWP V0
HARRIER FEDERAL COM#01H, OWB, AWP V0	HARRIER FEDERAL COM#02H, OWB, PWP0 V0	MONSOON FEDERAL SWD #, OWB, AWP V0
HARRIER FEDERAL COM#03H, OWB, AWP V0	HARRIER FEDERAL COM#03H, OWB, PWP0 V0	PILEDRIER FEDERAL #71H, OWB, PWP0 V0

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *KB 30ft + GL 3366.8ft @ 3396.8usft

Offset Depths are relative to Offset Datum

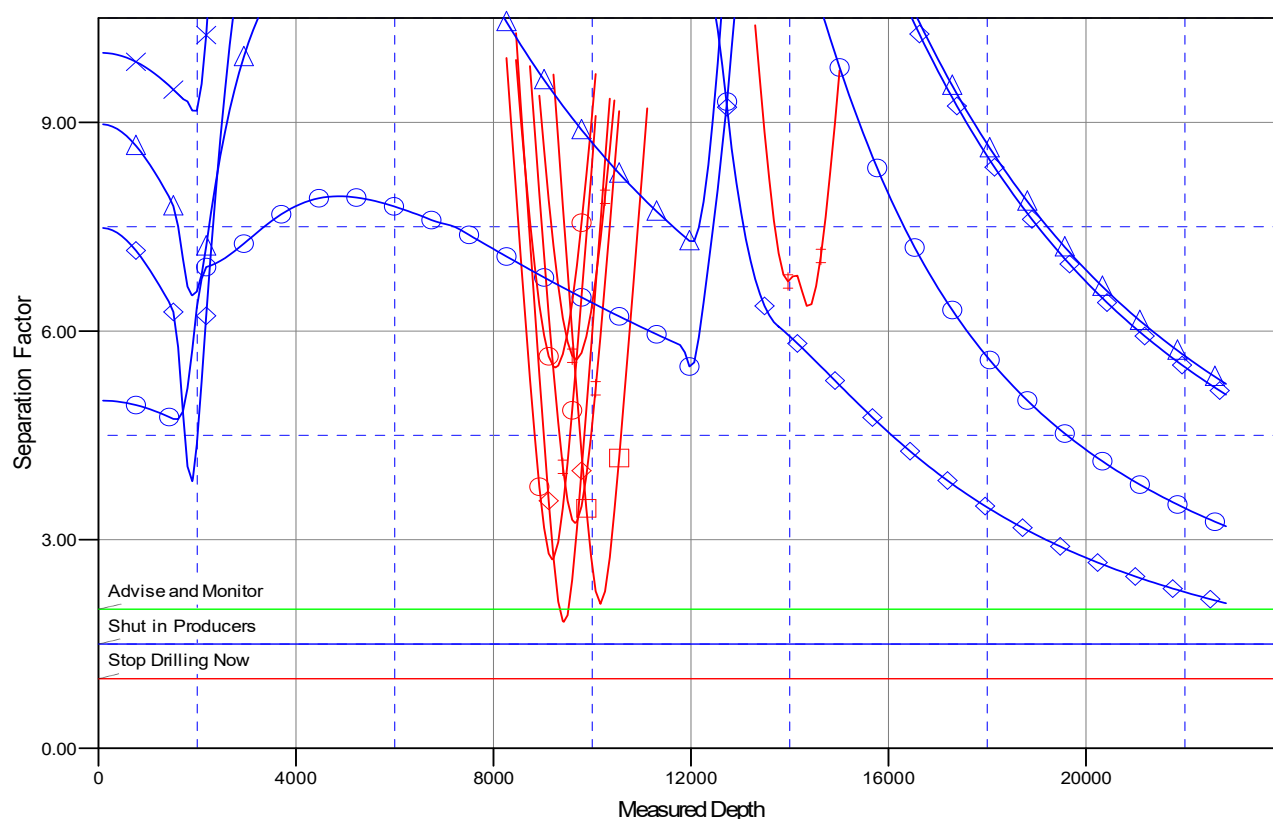
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: HARRIER FEDERAL COM #802H

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 35 FEDERAL COM #11H, OWB, AWP V0	HARRIER FEDERAL COM #04H, OWB, AWP V0	HARRIER FEDERAL COM #04H, OWB, PWP0 V0
HARRIER FEDERAL COM #01H, OWB, AWP V0	HARRIER FEDERAL COM #05H, OWB, AWP V0	HARRIER FEDERAL COM #01H, OWB, PWP0 V0
HARRIER FEDERAL COM #02H, OWB, AWP V0	HARRIER FEDERAL COM #01H, OWB, PWP0 V0	HARRIER FEDERAL COM #02H, OWB, AWP V0
HARRIER FEDERAL COM #01H, OWB, AWP V0	HARRIER FEDERAL COM #02H, OWB, PWP0 V0	MONSOON FEDERAL SWD #1, OWB, AWP V0
HARRIER FEDERAL COM #03H, OWB, AWP V0	HARRIER FEDERAL COM #03H, OWB, PWP0 V0	PILEDRIER FEDERAL #71H, 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 #802H

300254989200

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 #802H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #802H	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 #802H			
Well Position	+N/-S	-846.8 usft	Northing:	397,790.30 usft
	+E/-W	-30,511.7 usft	Easting:	711,375.70 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	
			Latitude:	32° 5' 30.489 N
			Longitude:	103° 39' 2.847 W
			Ground Level:	3,366.8 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	3/1/2023	6.39	59.65	47,397.22532344

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	181.83

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	12,009.6 PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1	
3	12,009.6	22,834.5 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 #802H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #802H	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	
2,199.8	9.00	356.25	2,197.9	35.2	-2.3	2.00	2.00	0.00	356.25	
6,407.8	9.00	356.25	6,354.2	691.7	-45.4	0.00	0.00	0.00	0.00	
7,307.3	0.00	0.00	7,250.0	762.0	-50.0	1.00	-1.00	0.00	180.00	
12,009.6	0.00	0.00	11,952.3	762.0	-50.0	0.00	0.00	0.00	0.00	
12,759.6	90.00	199.22	12,429.8	311.1	-207.2	12.00	12.00	0.00	199.22	
13,738.1	90.00	179.65	12,429.8	-649.4	-366.8	2.00	0.00	-2.00	-90.00	
22,784.5	90.00	179.65	12,429.8	-9,695.6	-311.5	0.00	0.00	0.00	0.00	LTP (HARRIER FED)
22,834.5	90.00	179.65	12,429.8	-9,745.6	-311.2	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 #802H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #802H	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	356.25	1,800.0	0.4	0.0	-0.4	2.00	2.00	0.00
1,900.0	3.00	356.25	1,899.9	3.9	-0.3	-3.9	2.00	2.00	0.00
2,000.0	5.00	356.25	1,999.7	10.9	-0.7	-10.8	2.00	2.00	0.00
2,100.0	7.00	356.25	2,099.1	21.3	-1.4	-21.3	2.00	2.00	0.00
2,199.8	9.00	356.25	2,197.9	35.2	-2.3	-35.1	2.00	2.00	0.00
Start 4208.0 hold at 2199.8 MD									
2,300.0	9.00	356.25	2,296.9	50.8	-3.3	-50.7	0.00	0.00	0.00
2,400.0	9.00	356.25	2,395.7	66.4	-4.4	-66.2	0.00	0.00	0.00
2,500.0	9.00	356.25	2,494.5	82.0	-5.4	-81.8	0.00	0.00	0.00
2,600.0	9.00	356.25	2,593.2	97.6	-6.4	-97.3	0.00	0.00	0.00
2,700.0	9.00	356.25	2,692.0	113.2	-7.4	-112.9	0.00	0.00	0.00
2,800.0	9.00	356.25	2,790.8	128.8	-8.5	-128.5	0.00	0.00	0.00
2,900.0	9.00	356.25	2,889.5	144.4	-9.5	-144.0	0.00	0.00	0.00
3,000.0	9.00	356.25	2,988.3	160.0	-10.5	-159.6	0.00	0.00	0.00
3,100.0	9.00	356.25	3,087.1	175.6	-11.5	-175.2	0.00	0.00	0.00
3,200.0	9.00	356.25	3,185.9	191.2	-12.5	-190.7	0.00	0.00	0.00
3,300.0	9.00	356.25	3,284.6	206.8	-13.6	-206.3	0.00	0.00	0.00
3,400.0	9.00	356.25	3,383.4	222.4	-14.6	-221.8	0.00	0.00	0.00
3,500.0	9.00	356.25	3,482.2	238.0	-15.6	-237.4	0.00	0.00	0.00
3,600.0	9.00	356.25	3,580.9	253.6	-16.6	-253.0	0.00	0.00	0.00
3,700.0	9.00	356.25	3,679.7	269.2	-17.7	-268.5	0.00	0.00	0.00
3,800.0	9.00	356.25	3,778.5	284.8	-18.7	-284.1	0.00	0.00	0.00
3,900.0	9.00	356.25	3,877.2	300.4	-19.7	-299.6	0.00	0.00	0.00
4,000.0	9.00	356.25	3,976.0	316.0	-20.7	-315.2	0.00	0.00	0.00
4,100.0	9.00	356.25	4,074.8	331.6	-21.8	-330.8	0.00	0.00	0.00
4,200.0	9.00	356.25	4,173.6	347.2	-22.8	-346.3	0.00	0.00	0.00
4,300.0	9.00	356.25	4,272.3	362.8	-23.8	-361.9	0.00	0.00	0.00
4,400.0	9.00	356.25	4,371.1	378.4	-24.8	-377.5	0.00	0.00	0.00
4,500.0	9.00	356.25	4,469.9	394.0	-25.9	-393.0	0.00	0.00	0.00
4,600.0	9.00	356.25	4,568.6	409.6	-26.9	-408.6	0.00	0.00	0.00
4,700.0	9.00	356.25	4,667.4	425.2	-27.9	-424.1	0.00	0.00	0.00
4,800.0	9.00	356.25	4,766.2	440.8	-28.9	-439.7	0.00	0.00	0.00
4,900.0	9.00	356.25	4,864.9	456.4	-30.0	-455.3	0.00	0.00	0.00
5,000.0	9.00	356.25	4,963.7	472.0	-31.0	-470.8	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #802H	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)
5,100.0	9.00	356.25	5,062.5	487.6	-32.0	-486.4	0.00	0.00	0.00
5,200.0	9.00	356.25	5,161.3	503.3	-33.0	-501.9	0.00	0.00	0.00
5,300.0	9.00	356.25	5,260.0	518.9	-34.0	-517.5	0.00	0.00	0.00
5,400.0	9.00	356.25	5,358.8	534.5	-35.1	-533.1	0.00	0.00	0.00
5,500.0	9.00	356.25	5,457.6	550.1	-36.1	-548.6	0.00	0.00	0.00
5,600.0	9.00	356.25	5,556.3	565.7	-37.1	-564.2	0.00	0.00	0.00
5,700.0	9.00	356.25	5,655.1	581.3	-38.1	-579.7	0.00	0.00	0.00
5,800.0	9.00	356.25	5,753.9	596.9	-39.2	-595.3	0.00	0.00	0.00
5,900.0	9.00	356.25	5,852.6	612.5	-40.2	-610.9	0.00	0.00	0.00
6,000.0	9.00	356.25	5,951.4	628.1	-41.2	-626.4	0.00	0.00	0.00
6,100.0	9.00	356.25	6,050.2	643.7	-42.2	-642.0	0.00	0.00	0.00
6,200.0	9.00	356.25	6,149.0	659.3	-43.3	-657.6	0.00	0.00	0.00
6,300.0	9.00	356.25	6,247.7	674.9	-44.3	-673.1	0.00	0.00	0.00
6,407.8	9.00	356.25	6,354.2	691.7	-45.4	-689.9	0.00	0.00	0.00
Start Drop -1.00									
6,500.0	8.07	356.25	6,445.4	705.3	-46.3	-703.5	1.00	-1.00	0.00
6,600.0	7.07	356.25	6,544.5	718.5	-47.1	-716.6	1.00	-1.00	0.00
6,700.0	6.07	356.25	6,643.8	729.9	-47.9	-728.0	1.00	-1.00	0.00
6,800.0	5.07	356.25	6,743.4	739.6	-48.5	-737.7	1.00	-1.00	0.00
6,900.0	4.07	356.25	6,843.1	747.6	-49.1	-745.6	1.00	-1.00	0.00
7,000.0	3.07	356.25	6,942.9	753.8	-49.5	-751.8	1.00	-1.00	0.00
7,100.0	2.07	356.25	7,042.8	758.3	-49.8	-756.3	1.00	-1.00	0.00
7,200.0	1.07	356.25	7,142.7	761.0	-49.9	-759.0	1.00	-1.00	0.00
7,307.3	0.00	0.00	7,250.0	762.0	-50.0	-760.0	1.00	-1.00	0.00
Start 4702.3 hold at 7307.3 MD									
7,400.0	0.00	0.00	7,342.7	762.0	-50.0	-760.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,442.7	762.0	-50.0	-760.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,542.7	762.0	-50.0	-760.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,642.7	762.0	-50.0	-760.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,742.7	762.0	-50.0	-760.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,842.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,942.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,042.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,142.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,242.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,342.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,442.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,542.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,642.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,742.7	762.0	-50.0	-760.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,842.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,942.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,042.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,142.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,242.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,342.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,442.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,542.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,642.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,742.7	762.0	-50.0	-760.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,842.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,000.0	0.00	0.00	9,942.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,042.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,142.7	762.0	-50.0	-760.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,300.0	0.00	0.00	10,242.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,342.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,442.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,542.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,642.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,742.7	762.0	-50.0	-760.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,842.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,942.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,042.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,142.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,242.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,342.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,442.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,542.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,642.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,800.0	0.00	0.00	11,742.7	762.0	-50.0	-760.0	0.00	0.00	0.00
11,900.0	0.00	0.00	11,842.7	762.0	-50.0	-760.0	0.00	0.00	0.00
12,009.6	0.00	0.00	11,952.3	762.0	-50.0	-760.0	0.00	0.00	0.00
Start Build 12.00									
12,025.0	1.84	199.22	11,967.7	761.8	-50.1	-759.8	12.00	12.00	0.00
12,050.0	4.84	199.22	11,992.7	760.4	-50.6	-758.4	12.00	12.00	0.00
12,075.0	7.84	199.22	12,017.5	757.8	-51.5	-755.8	12.00	12.00	0.00
12,100.0	10.84	199.22	12,042.2	753.9	-52.8	-751.9	12.00	12.00	0.00
12,125.0	13.84	199.22	12,066.6	748.9	-54.6	-746.8	12.00	12.00	0.00
12,150.0	16.84	199.22	12,090.7	742.7	-56.7	-740.5	12.00	12.00	0.00
12,175.0	19.84	199.22	12,114.4	735.2	-59.3	-733.0	12.00	12.00	0.00
12,200.0	22.84	199.22	12,137.7	726.6	-62.3	-724.3	12.00	12.00	0.00
12,225.0	25.84	199.22	12,160.5	716.9	-65.7	-714.4	12.00	12.00	0.00
12,250.0	28.84	199.22	12,182.7	706.1	-69.5	-703.5	12.00	12.00	0.00
12,275.0	31.84	199.22	12,204.3	694.1	-73.7	-691.4	12.00	12.00	0.00
12,300.0	34.84	199.22	12,225.1	681.2	-78.2	-678.3	12.00	12.00	0.00
12,325.0	37.84	199.22	12,245.3	667.2	-83.1	-664.2	12.00	12.00	0.00
12,350.0	40.84	199.22	12,264.6	652.2	-88.3	-649.1	12.00	12.00	0.00
12,375.0	43.84	199.22	12,283.1	636.3	-93.8	-633.0	12.00	12.00	0.00
12,400.0	46.84	199.22	12,300.6	619.5	-99.7	-616.0	12.00	12.00	0.00
12,425.0	49.84	199.22	12,317.3	601.9	-105.8	-598.2	12.00	12.00	0.00
12,450.0	52.84	199.22	12,332.9	583.5	-112.2	-579.6	12.00	12.00	0.00
12,475.0	55.84	199.22	12,347.4	564.3	-118.9	-560.2	12.00	12.00	0.00
12,500.0	58.84	199.22	12,360.9	544.4	-125.9	-540.1	12.00	12.00	0.00
12,525.0	61.84	199.22	12,373.3	523.9	-133.0	-519.4	12.00	12.00	0.00
12,550.0	64.84	199.22	12,384.5	502.8	-140.4	-498.1	12.00	12.00	0.00
12,575.0	67.84	199.22	12,394.5	481.2	-147.9	-476.2	12.00	12.00	0.00
12,600.0	70.84	199.22	12,403.4	459.1	-155.6	-453.9	12.00	12.00	0.00
12,625.0	73.84	199.22	12,410.9	436.6	-163.4	-431.2	12.00	12.00	0.00
12,650.0	76.84	199.22	12,417.3	413.8	-171.4	-408.1	12.00	12.00	0.00
12,675.0	79.84	199.22	12,422.3	390.6	-179.5	-384.7	12.00	12.00	0.00
12,700.0	82.84	199.22	12,426.1	367.3	-187.6	-361.1	12.00	12.00	0.00
12,725.0	85.84	199.22	12,428.5	343.8	-195.8	-337.4	12.00	12.00	0.00
12,750.0	88.84	199.22	12,429.7	320.2	-204.0	-313.6	12.00	12.00	0.00
12,759.6	90.00	199.22	12,429.8	311.1	-207.2	-304.4	12.00	12.00	0.00
Start DLS 2.00 TFO -90.00									
12,800.0	90.00	198.41	12,429.8	272.9	-220.2	-265.8	2.00	0.00	-2.00
12,900.0	90.00	196.41	12,429.8	177.5	-250.1	-169.4	2.00	0.00	-2.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.0	90.00	194.41	12,429.8	81.1	-276.7	-72.2	2.00	0.00	-2.00
13,100.0	90.00	192.41	12,429.8	-16.1	-299.9	25.7	2.00	0.00	-2.00
13,200.0	90.00	190.41	12,429.8	-114.2	-319.7	124.3	2.00	0.00	-2.00
13,300.0	90.00	188.41	12,429.8	-212.8	-336.0	223.4	2.00	0.00	-2.00
13,400.0	90.00	186.41	12,429.8	-312.0	-348.9	323.0	2.00	0.00	-2.00
13,500.0	90.00	184.41	12,429.8	-411.5	-358.4	422.8	2.00	0.00	-2.00
13,600.0	90.00	182.41	12,429.8	-511.3	-364.3	522.7	2.00	0.00	-2.00
13,700.0	90.00	180.41	12,429.8	-611.3	-366.8	622.7	2.00	0.00	-2.00
13,738.1	90.00	179.65	12,429.8	-649.4	-366.8	660.8	2.00	0.00	-2.00
Start 9046.3 hold at 13738.1 MD									
13,800.0	90.00	179.65	12,429.8	-711.3	-366.4	722.6	0.00	0.00	0.00
13,900.0	90.00	179.65	12,429.8	-811.3	-365.8	822.6	0.00	0.00	0.00
14,000.0	90.00	179.65	12,429.8	-911.3	-365.2	922.5	0.00	0.00	0.00
14,100.0	90.00	179.65	12,429.8	-1,011.3	-364.6	1,022.4	0.00	0.00	0.00
14,200.0	90.00	179.65	12,429.8	-1,111.3	-364.0	1,122.3	0.00	0.00	0.00
14,300.0	90.00	179.65	12,429.8	-1,211.3	-363.4	1,222.3	0.00	0.00	0.00
14,400.0	90.00	179.65	12,429.8	-1,311.3	-362.8	1,322.2	0.00	0.00	0.00
14,500.0	90.00	179.65	12,429.8	-1,411.3	-362.1	1,422.1	0.00	0.00	0.00
14,600.0	90.00	179.65	12,429.8	-1,511.3	-361.5	1,522.1	0.00	0.00	0.00
14,700.0	90.00	179.65	12,429.8	-1,611.3	-360.9	1,622.0	0.00	0.00	0.00
14,800.0	90.00	179.65	12,429.8	-1,711.3	-360.3	1,721.9	0.00	0.00	0.00
14,900.0	90.00	179.65	12,429.8	-1,811.3	-359.7	1,821.8	0.00	0.00	0.00
15,000.0	90.00	179.65	12,429.8	-1,911.3	-359.1	1,921.8	0.00	0.00	0.00
15,100.0	90.00	179.65	12,429.8	-2,011.3	-358.5	2,021.7	0.00	0.00	0.00
15,200.0	90.00	179.65	12,429.8	-2,111.3	-357.9	2,121.6	0.00	0.00	0.00
15,300.0	90.00	179.65	12,429.8	-2,211.3	-357.3	2,221.6	0.00	0.00	0.00
15,400.0	90.00	179.65	12,429.8	-2,311.3	-356.6	2,321.5	0.00	0.00	0.00
15,500.0	90.00	179.65	12,429.8	-2,411.3	-356.0	2,421.4	0.00	0.00	0.00
15,600.0	90.00	179.65	12,429.8	-2,511.3	-355.4	2,521.3	0.00	0.00	0.00
15,700.0	90.00	179.65	12,429.8	-2,611.3	-354.8	2,621.3	0.00	0.00	0.00
15,800.0	90.00	179.65	12,429.8	-2,711.3	-354.2	2,721.2	0.00	0.00	0.00
15,900.0	90.00	179.65	12,429.8	-2,811.3	-353.6	2,821.1	0.00	0.00	0.00
16,000.0	90.00	179.65	12,429.8	-2,911.3	-353.0	2,921.0	0.00	0.00	0.00
16,100.0	90.00	179.65	12,429.8	-3,011.3	-352.4	3,021.0	0.00	0.00	0.00
16,200.0	90.00	179.65	12,429.8	-3,111.3	-351.8	3,120.9	0.00	0.00	0.00
16,300.0	90.00	179.65	12,429.8	-3,211.3	-351.1	3,220.8	0.00	0.00	0.00
16,400.0	90.00	179.65	12,429.8	-3,311.3	-350.5	3,320.8	0.00	0.00	0.00
16,500.0	90.00	179.65	12,429.8	-3,411.3	-349.9	3,420.7	0.00	0.00	0.00
16,600.0	90.00	179.65	12,429.8	-3,511.3	-349.3	3,520.6	0.00	0.00	0.00
16,700.0	90.00	179.65	12,429.8	-3,611.2	-348.7	3,620.5	0.00	0.00	0.00
16,800.0	90.00	179.65	12,429.8	-3,711.2	-348.1	3,720.5	0.00	0.00	0.00
16,900.0	90.00	179.65	12,429.8	-3,811.2	-347.5	3,820.4	0.00	0.00	0.00
17,000.0	90.00	179.65	12,429.8	-3,911.2	-346.9	3,920.3	0.00	0.00	0.00
17,100.0	90.00	179.65	12,429.8	-4,011.2	-346.3	4,020.2	0.00	0.00	0.00
17,200.0	90.00	179.65	12,429.8	-4,111.2	-345.6	4,120.2	0.00	0.00	0.00
17,300.0	90.00	179.65	12,429.8	-4,211.2	-345.0	4,220.1	0.00	0.00	0.00
17,400.0	90.00	179.65	12,429.8	-4,311.2	-344.4	4,320.0	0.00	0.00	0.00
17,500.0	90.00	179.65	12,429.8	-4,411.2	-343.8	4,420.0	0.00	0.00	0.00
17,600.0	90.00	179.65	12,429.8	-4,511.2	-343.2	4,519.9	0.00	0.00	0.00
17,700.0	90.00	179.65	12,429.8	-4,611.2	-342.6	4,619.8	0.00	0.00	0.00
17,800.0	90.00	179.65	12,429.8	-4,711.2	-342.0	4,719.7	0.00	0.00	0.00
17,900.0	90.00	179.65	12,429.8	-4,811.2	-341.4	4,819.7	0.00	0.00	0.00
18,000.0	90.00	179.65	12,429.8	-4,911.2	-340.8	4,919.6	0.00	0.00	0.00
18,100.0	90.00	179.65	12,429.8	-5,011.2	-340.1	5,019.5	0.00	0.00	0.00

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Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,200.0	90.00	179.65	12,429.8	-5,111.2	-339.5	5,119.5	0.00	0.00	0.00
18,300.0	90.00	179.65	12,429.8	-5,211.2	-338.9	5,219.4	0.00	0.00	0.00
18,400.0	90.00	179.65	12,429.8	-5,311.2	-338.3	5,319.3	0.00	0.00	0.00
18,500.0	90.00	179.65	12,429.8	-5,411.2	-337.7	5,419.2	0.00	0.00	0.00
18,600.0	90.00	179.65	12,429.8	-5,511.2	-337.1	5,519.2	0.00	0.00	0.00
18,700.0	90.00	179.65	12,429.8	-5,611.2	-336.5	5,619.1	0.00	0.00	0.00
18,800.0	90.00	179.65	12,429.8	-5,711.2	-335.9	5,719.0	0.00	0.00	0.00
18,900.0	90.00	179.65	12,429.8	-5,811.2	-335.2	5,818.9	0.00	0.00	0.00
19,000.0	90.00	179.65	12,429.8	-5,911.2	-334.6	5,918.9	0.00	0.00	0.00
19,100.0	90.00	179.65	12,429.8	-6,011.2	-334.0	6,018.8	0.00	0.00	0.00
19,200.0	90.00	179.65	12,429.8	-6,111.2	-333.4	6,118.7	0.00	0.00	0.00
19,300.0	90.00	179.65	12,429.8	-6,211.2	-332.8	6,218.7	0.00	0.00	0.00
19,400.0	90.00	179.65	12,429.8	-6,311.2	-332.2	6,318.6	0.00	0.00	0.00
19,500.0	90.00	179.65	12,429.8	-6,411.2	-331.6	6,418.5	0.00	0.00	0.00
19,600.0	90.00	179.65	12,429.8	-6,511.2	-331.0	6,518.4	0.00	0.00	0.00
19,700.0	90.00	179.65	12,429.8	-6,611.2	-330.4	6,618.4	0.00	0.00	0.00
19,800.0	90.00	179.65	12,429.8	-6,711.2	-329.7	6,718.3	0.00	0.00	0.00
19,900.0	90.00	179.65	12,429.8	-6,811.2	-329.1	6,818.2	0.00	0.00	0.00
20,000.0	90.00	179.65	12,429.8	-6,911.2	-328.5	6,918.2	0.00	0.00	0.00
20,100.0	90.00	179.65	12,429.8	-7,011.2	-327.9	7,018.1	0.00	0.00	0.00
20,200.0	90.00	179.65	12,429.8	-7,111.2	-327.3	7,118.0	0.00	0.00	0.00
20,300.0	90.00	179.65	12,429.8	-7,211.2	-326.7	7,217.9	0.00	0.00	0.00
20,400.0	90.00	179.65	12,429.8	-7,311.2	-326.1	7,317.9	0.00	0.00	0.00
20,500.0	90.00	179.65	12,429.8	-7,411.2	-325.5	7,417.8	0.00	0.00	0.00
20,600.0	90.00	179.65	12,429.8	-7,511.2	-324.9	7,517.7	0.00	0.00	0.00
20,700.0	90.00	179.65	12,429.8	-7,611.2	-324.2	7,617.6	0.00	0.00	0.00
20,800.0	90.00	179.65	12,429.8	-7,711.2	-323.6	7,717.6	0.00	0.00	0.00
20,900.0	90.00	179.65	12,429.8	-7,811.2	-323.0	7,817.5	0.00	0.00	0.00
21,000.0	90.00	179.65	12,429.8	-7,911.2	-322.4	7,917.4	0.00	0.00	0.00
21,100.0	90.00	179.65	12,429.8	-8,011.2	-321.8	8,017.4	0.00	0.00	0.00
21,200.0	90.00	179.65	12,429.8	-8,111.2	-321.2	8,117.3	0.00	0.00	0.00
21,300.0	90.00	179.65	12,429.8	-8,211.2	-320.6	8,217.2	0.00	0.00	0.00
21,400.0	90.00	179.65	12,429.8	-8,311.2	-320.0	8,317.1	0.00	0.00	0.00
21,500.0	90.00	179.65	12,429.8	-8,411.2	-319.4	8,417.1	0.00	0.00	0.00
21,600.0	90.00	179.65	12,429.8	-8,511.2	-318.7	8,517.0	0.00	0.00	0.00
21,700.0	90.00	179.65	12,429.8	-8,611.2	-318.1	8,616.9	0.00	0.00	0.00
21,800.0	90.00	179.65	12,429.8	-8,711.2	-317.5	8,716.8	0.00	0.00	0.00
21,900.0	90.00	179.65	12,429.8	-8,811.2	-316.9	8,816.8	0.00	0.00	0.00
22,000.0	90.00	179.65	12,429.8	-8,911.1	-316.3	8,916.7	0.00	0.00	0.00
22,100.0	90.00	179.65	12,429.8	-9,011.1	-315.7	9,016.6	0.00	0.00	0.00
22,200.0	90.00	179.65	12,429.8	-9,111.1	-315.1	9,116.6	0.00	0.00	0.00
22,300.0	90.00	179.65	12,429.8	-9,211.1	-314.5	9,216.5	0.00	0.00	0.00
22,400.0	90.00	179.65	12,429.8	-9,311.1	-313.9	9,316.4	0.00	0.00	0.00
22,500.0	90.00	179.65	12,429.8	-9,411.1	-313.2	9,416.3	0.00	0.00	0.00
22,600.0	90.00	179.65	12,429.8	-9,511.1	-312.6	9,516.3	0.00	0.00	0.00
22,700.0	90.00	179.65	12,429.8	-9,611.1	-312.0	9,616.2	0.00	0.00	0.00
22,784.5	90.00	179.65	12,429.8	-9,695.6	-311.5	9,700.6	0.00	0.00	0.00
Start 50.0 hold at 22784.5 MD									
22,800.0	90.00	179.65	12,429.8	-9,711.1	-311.4	9,716.1	0.00	0.00	0.00
22,834.5	90.00	179.65	12,429.8	-9,745.6	-311.2	9,750.6	0.00	0.00	0.00
TD at 22834.5									

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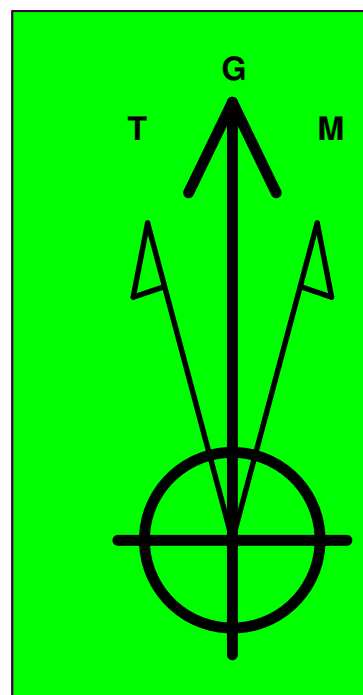
Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #802H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #802H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
PBHL (HARRIER FED C - plan hits target center - Rectangle (sides W100.0 H10,488.4 D20.0)	0.00	359.65	12,429.8	-9,745.6	-311.2	388,044.70	711,064.50	32° 3' 54.067 N	103° 39' 7.179 W
LTP (HARRIER FED CC - plan hits target center - Point	0.00	0.00	12,429.8	-9,695.6	-311.5	388,094.70	711,064.20	32° 3' 54.562 N	103° 39' 7.179 W
FTP (HARRIER FED CC - plan misses target center by 322.4usft at 12454.8usft MD (12335.7 TVD, 579.8 N, -113.5 E) - Circle (radius 50.0)	0.00	0.00	12,429.8	742.6	-375.4	398,532.90	711,000.30	32° 5' 37.862 N	103° 39' 7.156 W

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
1,750.0	1,750.0	0.0	0.0	Start Build 2.00
2,199.8	2,197.9	35.2	-2.3	Start 4208.0 hold at 2199.8 MD
6,407.8	6,354.2	691.7	-45.4	Start Drop -1.00
7,307.3	7,250.0	762.0	-50.0	Start 4702.3 hold at 7307.3 MD
12,009.6	11,952.3	762.0	-50.0	Start Build 12.00
12,759.6	12,429.8	311.1	-207.2	Start DLS 2.00 TFO -90.00
13,738.1	12,429.8	-649.4	-366.8	Start 9046.3 hold at 13738.1 MD
22,784.5	12,429.8	-9,695.6	-311.5	Start 50.0 hold at 22784.5 MD
22,834.5	12,429.8	-9,745.6	-311.2	TD at 22834.5

ConocoPhillips



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

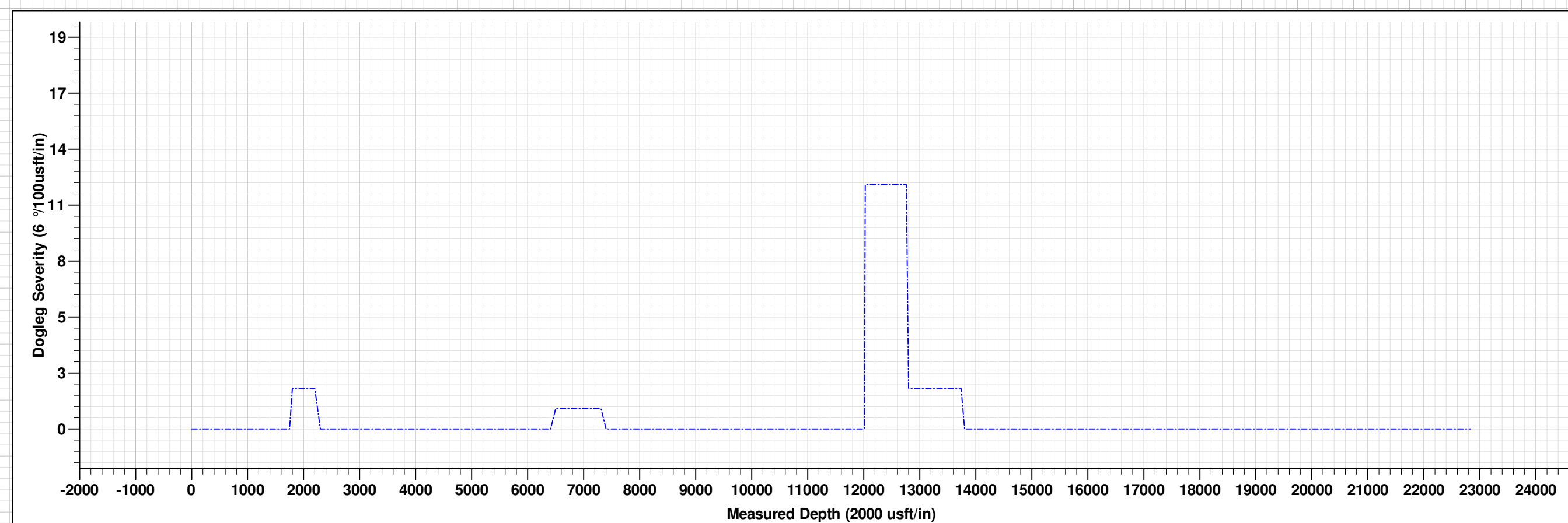
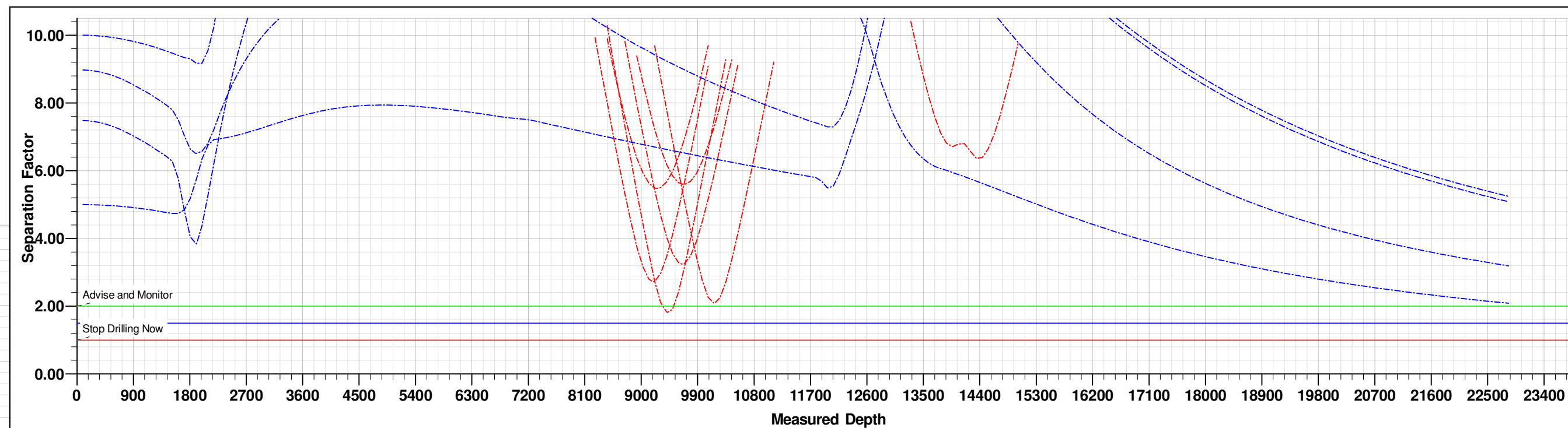
Project: LEA PROSPECT (NM-E)
Site: HARRIER FEDERAL PROJECT (LEA 2632)
Wellbore: OWB
Design: PWP0
GL: 3366.8
*KB 30ft + GL 3366.8ft @ 3396.8usft (TBD)

WELL DETAILS: HARRIER FEDERAL COM #802H

+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	397790.30	711375.70	32° 5' 30.489 N	103° 39' 2.847 W

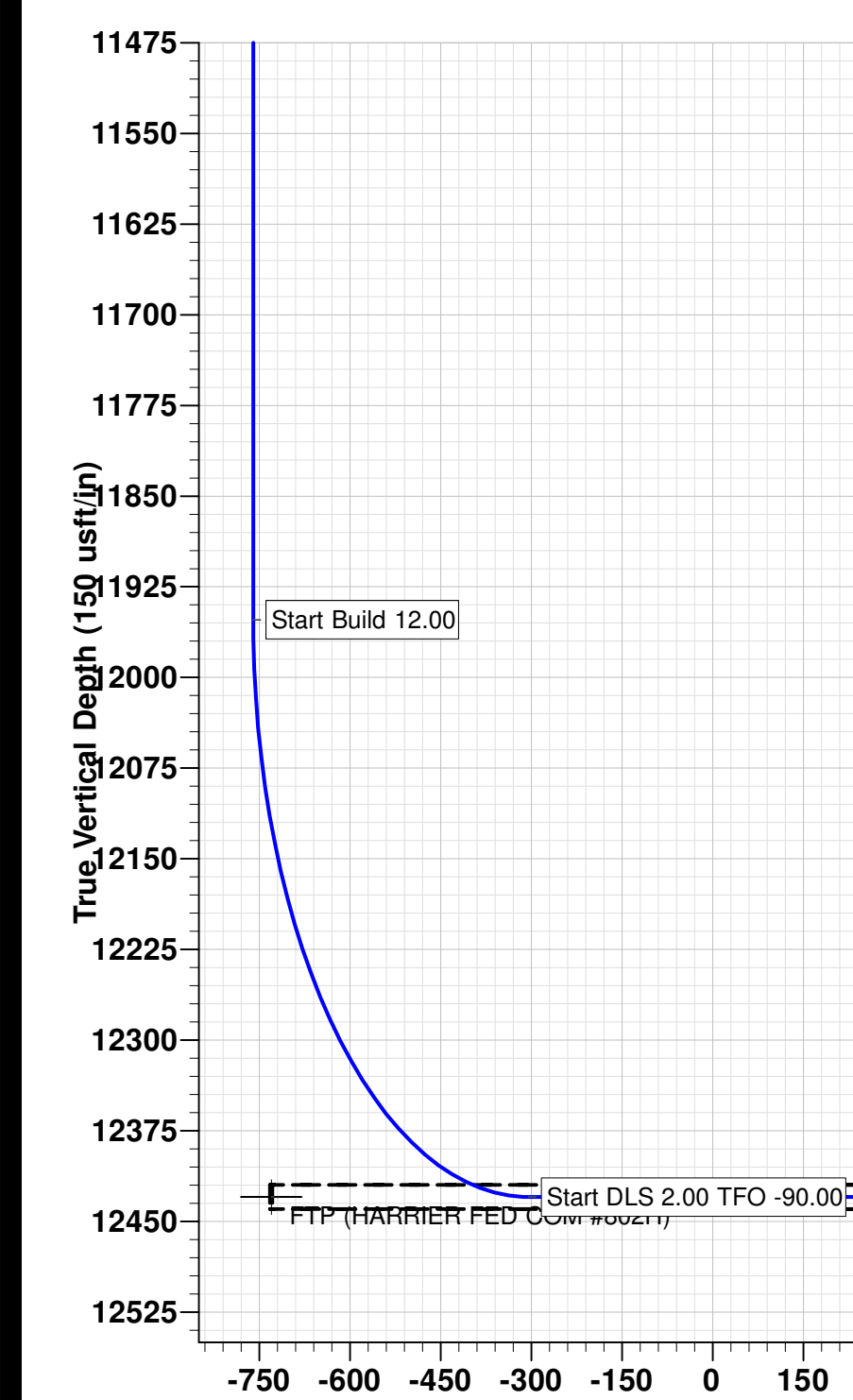
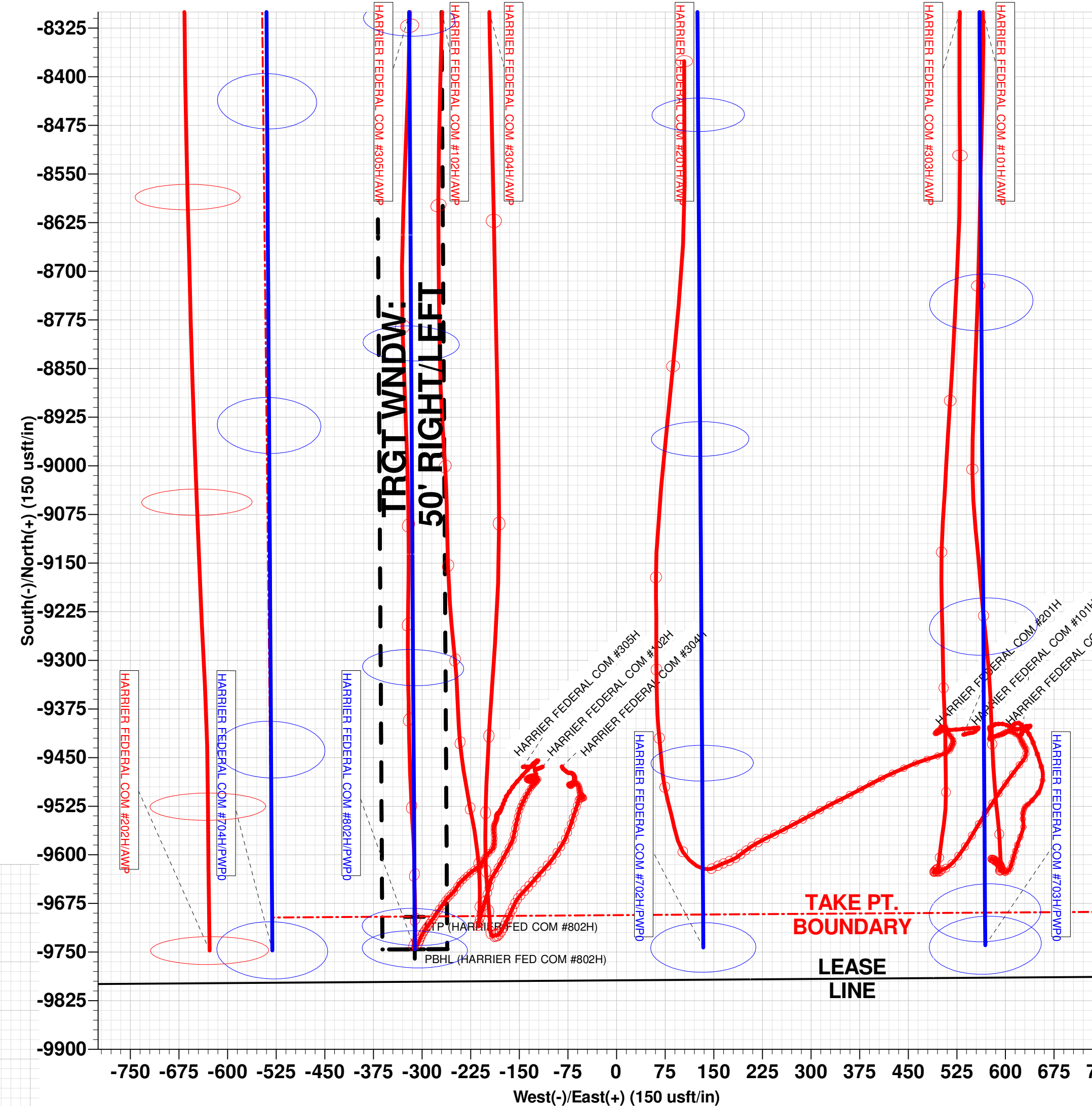
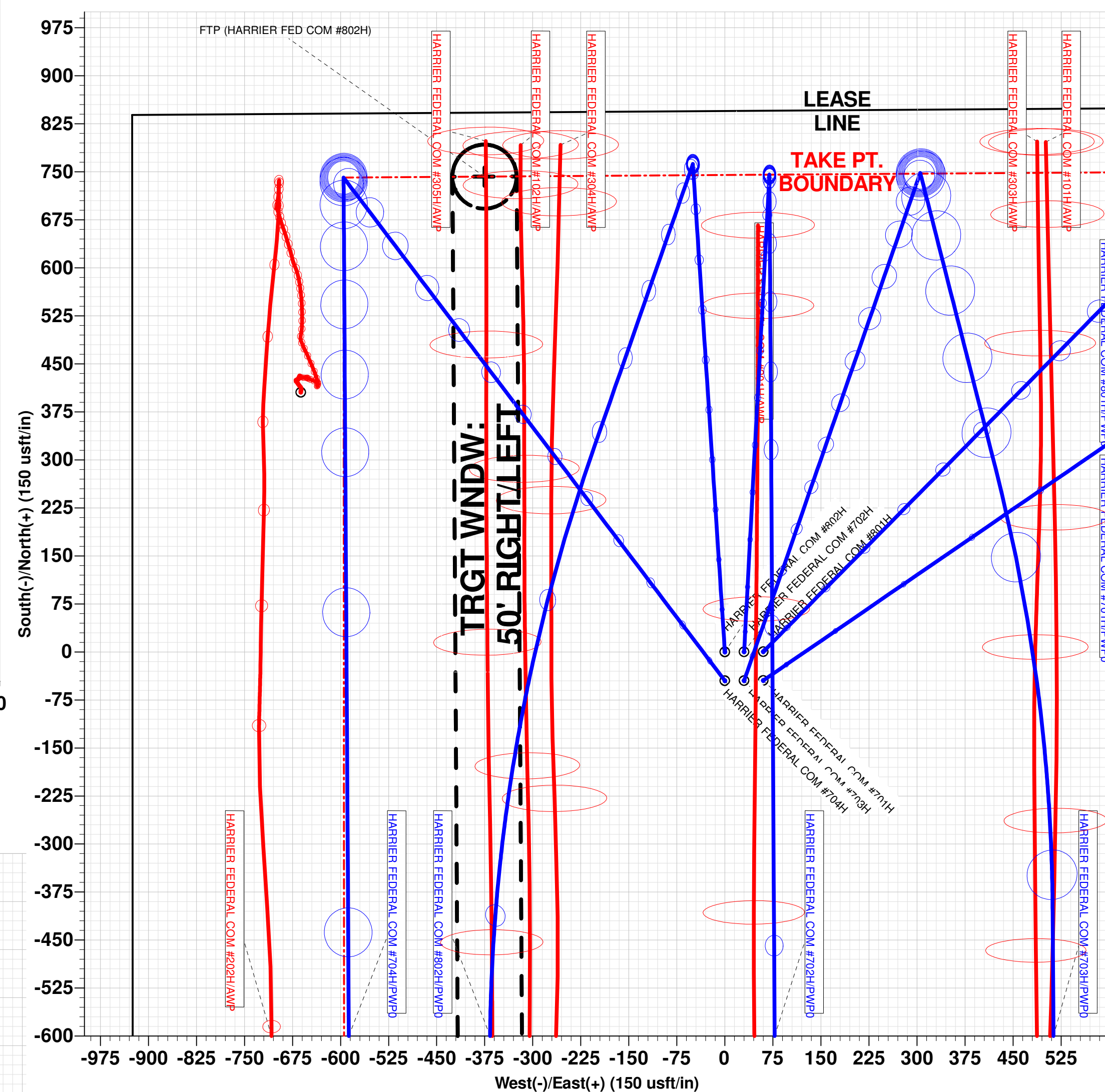
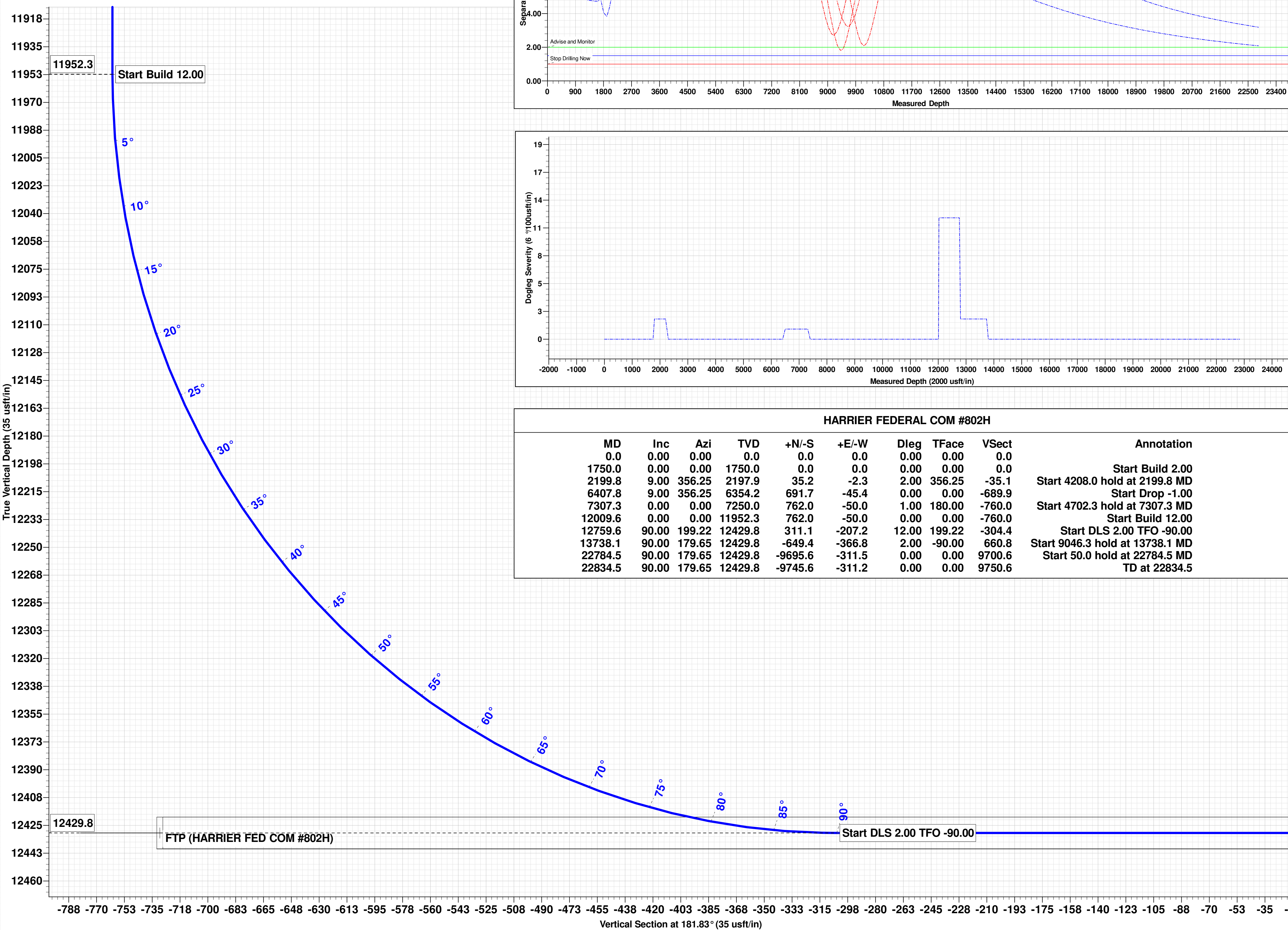
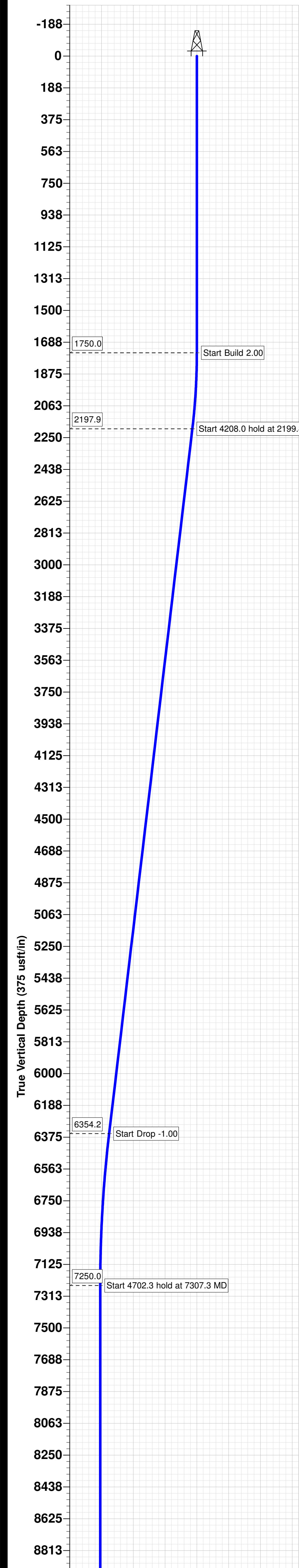
DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
FTP (HARRIER FED COM #802H)	12429.8	742.6	-375.4	398532.90	711000.30	32° 5' 37.862 N	103° 39' 7.156 W
LTP (HARRIER FED COM #802H)	12429.8	-9695.6	-311.5	388094.70	711064.20	32° 3' 54.562 N	103° 39' 7.179 W
PBHL (HARRIER FED COM #802H)	2429.8	-9745.6	-311.2	388044.70	711064.50	32° 3' 54.067 N	103° 39' 7.179 W

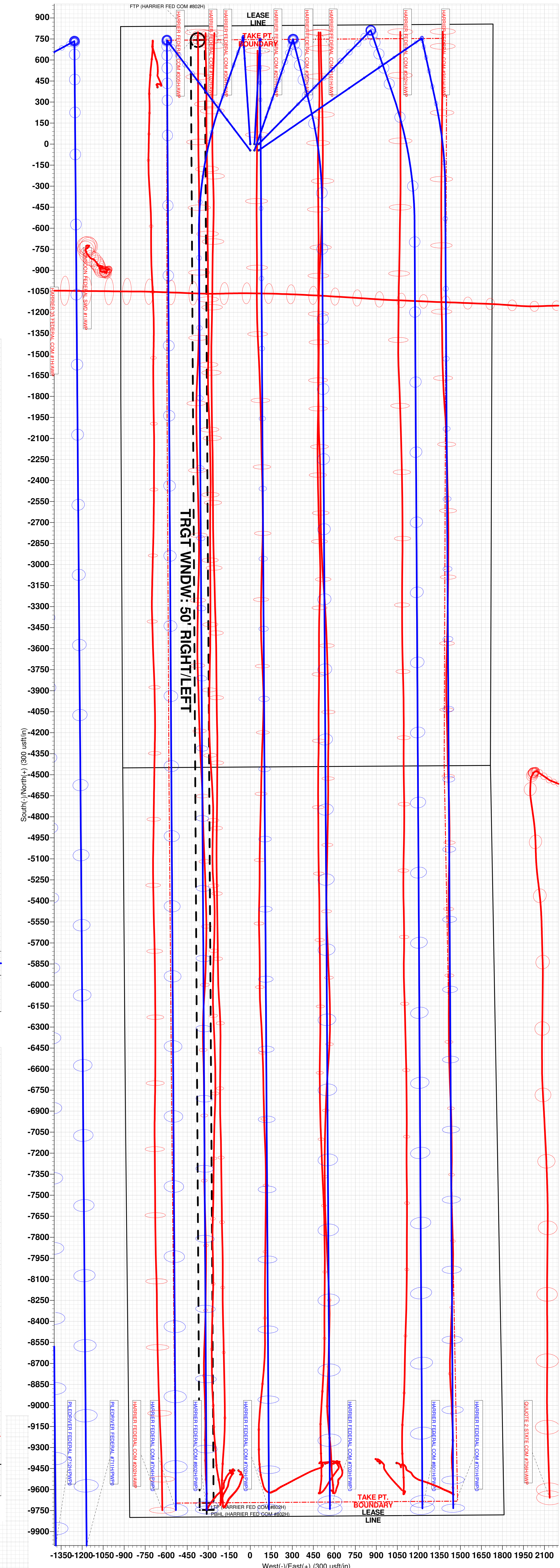


HARRIER FEDERAL COM #802H

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 4208.0 hold at 2199.8 MD
2199.8	9.00	356.25	2197.9	35.2	-2.3	2.00	356.25	-35.1	Start Drop -1.00
6407.8	9.00	356.25	6354.2	691.7	-45.4	0.00	0.00	-689.9	Start 4702.3 hold at 7307.3 MD
7307.3	0.00	0.00	7250.0	762.0	-50.0	1.00	180.00	-760.0	Start Build 12.00
12009.6	0.00	0.00	11952.3	762.0	-50.0	0.00	0.00	-760.0	Start DLS 2.00 TFO -90.00
12759.6	90.00	199.22	12429.8	311.1	-207.2	12.00	199.22	-304.4	Start 9046.3 hold at 13738.1 MD
13738.1	90.00	179.65	12429.8	-649.4	-366.8	2.00	-90.00	960.8	Start 50.0 hold at 22784.5 MD
22784.5	90.00	179.65	12429.8	-9695.6	-311.5	0.00	0.00	9700.6	TD at 22834.5
22834.5	90.00	179.65	12429.8	-9745.6	-311.2	0.00	0.00	9750.6	



TRGT WNDW:
10' ABOVE/BELOW



Start 50.0 hold at 22784.5 MD
LTP (HARRIER FED COM #802H)
PBHL (HARRIER FED COM #802H)
TD at 22834.5

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 171553

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 171553
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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