

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

5. Lease Serial No. NMNM108973

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

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

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

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

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

8. Well Name and No. HARRIER FEDERAL COM/703H

9. API Well No. 3002549889

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

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

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

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

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

Change BHL FROM: 50 ft FSL & 995 ft FWL SWSW 2-26S-32E

Change BHL TO: 50 ft FSL & 1430 ft FWL SESW 2-26S-32E Lea Co, NM.

Change TD to: 22,792 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

11/14/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Petroleum Engineer

Title

12/21/2022

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 / 890 FNL / 955 FWL / TWSP: 25S / RANGE: 32E / SECTION: 35 / LAT: 32.091804 / LONG: -103.651167 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 995 FWL / TWSP: 25S / RANGE: 32E / SECTION: 35 / LAT: 32.093976 / LONG: -103.651024 (TVD: 12116 feet, MD: 12158 feet)

BHL: SWSW / 50 FSL / 995 FWL / TWSP: 26S / RANGE: 32E / SECTION: 2 / LAT: 32.065145 / LONG: -103.651029 (TVD: 12273 feet, MD: 22287 feet)

CONFIDENTIAL

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-49889	Pool Code 98158	Pool Name WC-025 G-09 S253236A; Upper Wolfcamp
Property Code 325390	Property Name HARRIER FEDERAL COM	Well Number 703H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3366.5'

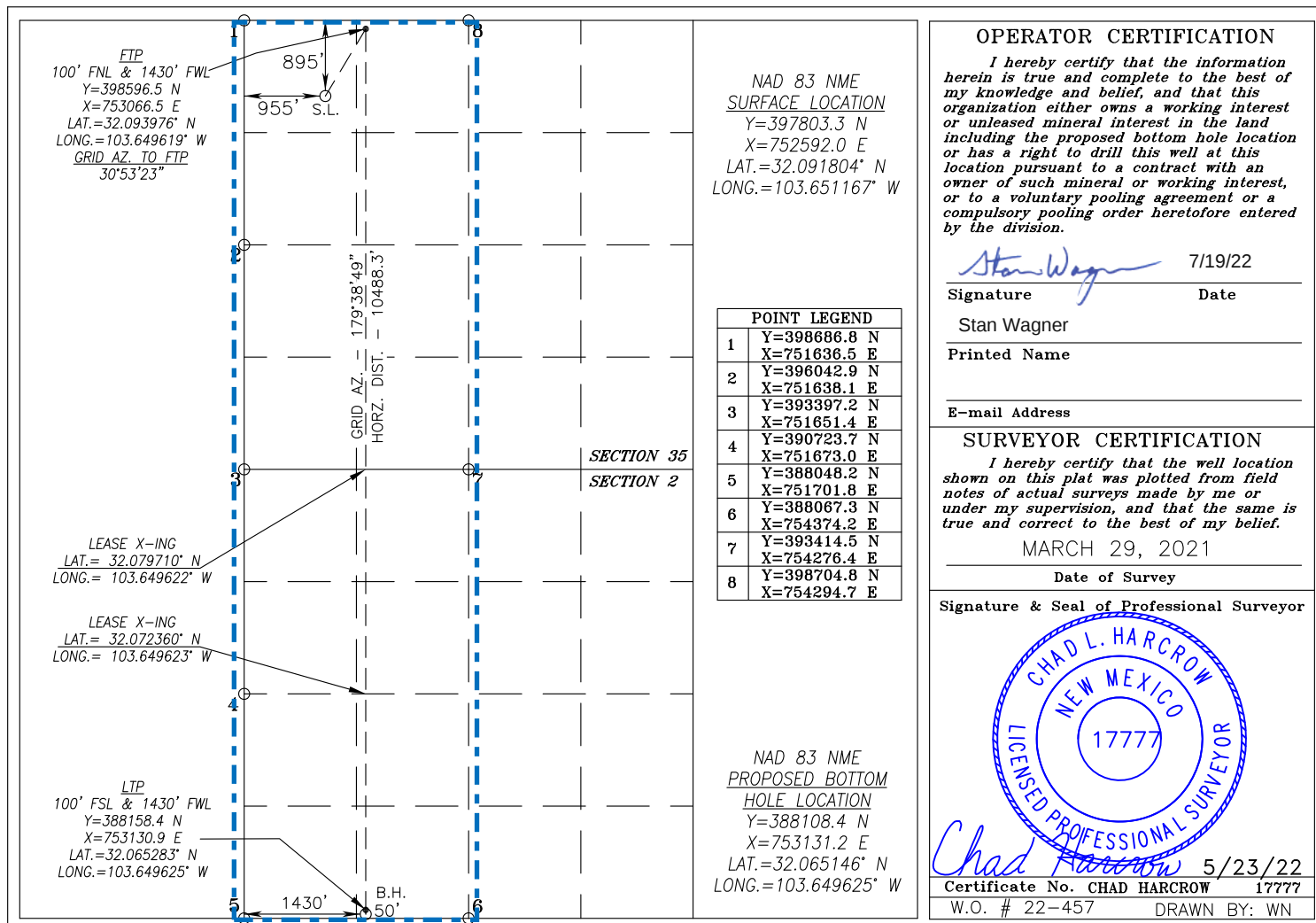
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	35	25-S	32-E		890	NORTH	955	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	26-S	32-E		50	SOUTH	1430	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 703H

1. Geologic Formations

TVD of target	12,430' EOL	Pilot hole depth	NA
MD at TD:	22,792'	Deepest expected fresh water:	207'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	690	Water	
Top of Salt	1070	Salt	
Base of Salt	4444	Salt	
Lamar	4641	Salt Water	
Bell Canyon	4681	Salt Water	
Cherry Canyon	5672	Oil/Gas	
Brushy Canyon	7207	Oil/Gas	
Bone Spring Lime	8785	Oil/Gas	
1st Bone Spring Sand	9751	Oil/Gas	
2nd Bone Spring Sand	10360	Oil/Gas	
3rd Bone Spring Sand	11603	Oil/Gas	
Wolfcamp A	12102	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	22,792	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 703H

	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 703H

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
	967	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 703H

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 703H

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 703H

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 #703H

300254988900

OWB

PWP0

Anticollision Report

17 July, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	7/16/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	1,500.0	PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
1,500.0	12,008.8	PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction
12,008.8	22,791.5	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	14,135.5	14,103.1	431.0	368.6	6.906	CC
HARRIER 35 FEDERAL COM #1H - OWB - AWP	14,155.0	14,101.4	431.4	368.5	6.862	ES
HARRIER 35 FEDERAL COM #1H - OWB - AWP	14,345.0	14,084.2	478.9	404.0	6.392	SF
HARRIER FEDERAL COM #101H - OWB - AWP	9,677.2	19,710.7	197.1	77.5	1.649	Advise and Monitor, CC, ES,
HARRIER FEDERAL COM #102H - OWB - AWP	9,188.7	19,269.7	624.0	505.5	5.266	CC, ES, SF
HARRIER FEDERAL COM #201H - OWB - AWP	9,421.2	19,405.0	266.2	151.9	2.330	CC, ES, SF
HARRIER FEDERAL COM #301H - OWB - AWP						Out of range
HARRIER FEDERAL COM #302H - OWB - AWP	10,220.0	20,173.2	765.8	644.5	6.316	CC, ES, SF
HARRIER FEDERAL COM #303H - OWB - AWP	9,252.3	19,214.1	183.0	65.1	1.553	Advise and Monitor, CC, ES,
HARRIER FEDERAL COM #304H - OWB - AWP	10,164.9	20,351.5	562.5	440.4	4.604	CC
HARRIER FEDERAL COM #304H - OWB - AWP	10,165.0	20,351.5	562.5	440.4	4.604	ES, SF
HARRIER FEDERAL COM #305H - OWB - AWP	9,651.6	19,817.1	678.0	557.5	5.626	CC, ES, SF
HARRIER FEDERAL COM #701H - OWB - PWP0	1,507.4	1,506.9	29.9	23.6	4.721	CC, ES, SF
HARRIER FEDERAL COM #702H - OWB - PWP0	1,517.9	1,517.6	44.8	37.6	6.270	CC
HARRIER FEDERAL COM #702H - OWB - PWP0	1,710.0	1,706.7	45.3	37.4	5.702	ES
HARRIER FEDERAL COM #702H - OWB - PWP0	22,791.5	22,483.5	518.4	349.3	3.065	SF
HARRIER FEDERAL COM #704H - OWB - PWP0	1,425.0	1,424.8	30.0	23.7	4.767	CC
HARRIER FEDERAL COM #704H - OWB - PWP0	1,427.2	1,427.0	30.0	23.7	4.766	ES
HARRIER FEDERAL COM #704H - OWB - PWP0	1,520.0	1,519.7	30.1	23.7	4.734	SF
HARRIER FEDERAL COM #801H - OWB - PWP0	2,043.7	2,041.3	27.0	16.8	2.643	CC, ES, SF
HARRIER FEDERAL COM #802H - OWB - PWP0	1,890.0	1,887.9	45.2	38.3	6.518	CC, ES
HARRIER FEDERAL COM #802H - OWB - PWP0	22,791.5	22,833.5	880.0	712.1	5.241	SF
QUIJOTE 2 STATE COM #704H - OWB - AWP						Out of range
QUIJOTE 2 STATE COM #706H - OWB - AWP						Out of range
QUIJOTE 2 STATE COM #715H - OWB - AWP						Out of range

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
PILEDRIIVER & FIGURE FOUR FEDERAL PROJECT						
HARRIER FEDERAL COM #202H - OWB - AWP	4,459.3	4,456.2	798.3	781.2	46.551	CC
HARRIER FEDERAL COM #202H - OWB - AWP	4,465.0	4,459.6	798.3	781.2	46.489	ES
HARRIER FEDERAL COM #202H - OWB - AWP	7,790.0	7,726.4	997.2	966.2	32.232	SF
MONSOON FEDERAL SWD #1 - OWB - AWP						Out of range
PILEDRIIVER FEDERAL #711H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #712H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #713H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #714H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #715H - OWB - PWP0						Out of range
PILEDRIIVER FEDERAL #716H - OWB - PWP0						Out of range

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 Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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	22,791.5	4,750.0				Out of Range @TD
HARRIER 35 FEDERAL COM #1H - OWB - AWP	22,791.5	13,641.2				Out of Range @TD
HARRIER FEDERAL COM #101H - OWB - AWP	22,791.5	9,869.2				Out of Range @TD
HARRIER FEDERAL COM #102H - OWB - AWP	22,791.5	9,357.0				Out of Range @TD
HARRIER FEDERAL COM #201H - OWB - AWP	22,791.5	9,553.0				Out of Range @TD
HARRIER FEDERAL COM #301H - OWB - AWP	22,791.5	9,876.5				Out of Range @TD
HARRIER FEDERAL COM #302H - OWB - AWP	22,791.5	10,370.0				Out of Range @TD
HARRIER FEDERAL COM #303H - OWB - AWP	22,791.5	9,369.0				Out of Range @TD
HARRIER FEDERAL COM #304H - OWB - AWP	22,791.5	10,263.3				Out of Range @TD
HARRIER FEDERAL COM #305H - OWB - AWP	22,791.5	9,852.0				Out of Range @TD
HARRIER FEDERAL COM #701H - OWB - PWP0	22,791.5	22,901.5	879.9	711.6	5.227	
HARRIER FEDERAL COM #702H - OWB - PWP0	22,791.5	22,483.5	518.4	349.3	3.065	SF
HARRIER FEDERAL COM #704H - OWB - PWP0	22,791.5	22,508.4				Out of Range @TD
HARRIER FEDERAL COM #801H - OWB - PWP0	22,791.5	22,636.6	715.7	542.1	4.124	
HARRIER FEDERAL COM #802H - OWB - PWP0	22,791.5	22,833.5	880.0	712.1	5.241	SF
QUIJOTE 2 STATE COM #704H - OWB - AWP	22,791.5	17,123.8				Out of Range @TD
QUIJOTE 2 STATE COM #706H - OWB - AWP	22,791.5	17,057.0				Out of Range @TD
QUIJOTE 2 STATE COM #715H - OWB - AWP	22,791.5	17,160.0				Out of Range @TD
PILEDRIIVER & FIGURE FOUR FEDERAL PROJECT						
HARRIER FEDERAL COM #202H - OWB - AWP	22,791.5	19,461.0				Out of Range @TD
MONSOON FEDERAL SWD #1 - OWB - AWP	22,791.5	12,281.5				Out of Range @TD
PILEDRIIVER FEDERAL #711H - OWB - PWP0	22,791.5	22,780.0				Out of Range @TD
PILEDRIIVER FEDERAL #712H - OWB - PWP0	22,791.5	22,475.7				Out of Range @TD
PILEDRIIVER FEDERAL #713H - OWB - PWP0	22,791.5	22,755.7				Out of Range @TD
PILEDRIIVER FEDERAL #714H - OWB - PWP0	22,791.5	22,480.1				Out of Range @TD
PILEDRIIVER FEDERAL #715H - OWB - PWP0	22,791.5	22,825.7				Out of Range @TD
PILEDRIIVER FEDERAL #716H - OWB - PWP0	22,791.5	22,580.6				Out of Range @TD

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER 35 FEDERAL COM #1H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-GYRO-NS, 4800-MWD													Offset Well Error: 3.0 usft
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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,300.0	12,429.5	14,159.7	11,981.7	39.6	64.2	10.35	-1,035.6	448.0	938.2	844.2	94.00	9.981	
13,395.0	12,429.5	14,151.6	11,981.9	39.7	64.0	5.93	-1,036.0	456.1	855.3	763.1	92.16	9.280	
13,490.0	12,429.5	14,146.0	11,982.0	39.8	63.9	3.21	-1,036.2	461.7	774.9	685.0	89.89	8.620	
13,585.0	12,429.5	14,140.9	11,982.1	39.9	63.8	2.53	-1,036.5	466.8	698.1	611.1	86.98	8.025	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER 35 FEDERAL COM #1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-GYRO-NS, 4800-MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,680.0	12,429.5	14,135.5	11,982.3	40.0	63.7	1.82	-1,036.8	472.2	626.2	543.0	83.25	7.522	
13,775.0	12,429.5	14,129.9	11,982.5	40.2	63.5	1.08	-1,037.1	477.8	561.2	482.7	78.52	7.148	
13,870.0	12,429.5	14,123.9	11,982.7	40.3	63.4	0.28	-1,037.4	483.8	505.8	432.9	72.85	6.943	
13,965.0	12,429.5	14,117.0	11,982.9	40.5	63.3	-0.63	-1,037.8	490.6	463.3	396.3	66.94	6.921	
14,060.0	12,429.5	14,109.6	11,983.2	40.6	63.1	-1.62	-1,038.2	498.0	437.5	374.8	62.72	6.975	
14,135.5	12,429.5	14,103.1	11,983.4	40.8	63.0	-2.47	-1,038.6	504.4	431.0	368.6	62.40	6.906 CC	
14,155.0	12,429.5	14,101.4	11,983.5	40.8	62.9	-2.70	-1,038.7	506.2	431.4	368.5	62.87	6.862 ES	
14,250.0	12,429.5	14,092.6	11,983.9	41.0	62.8	-3.86	-1,039.3	514.9	445.8	378.0	67.85	6.571	
14,345.0	12,429.5	14,084.2	11,984.3	41.2	62.6	-4.98	-1,039.8	523.3	478.9	404.0	74.92	6.392 SF	
14,440.0	12,429.5	14,075.7	11,984.8	41.4	62.4	-6.10	-1,040.4	531.8	527.1	445.6	81.51	6.467	
14,535.0	12,429.5	14,067.3	11,985.3	41.7	62.2	-7.22	-1,041.0	540.2	586.8	500.1	86.70	6.768	
14,630.0	12,429.5	14,059.9	11,985.7	41.9	62.1	-8.18	-1,041.5	547.5	654.8	564.3	90.51	7.234	
14,725.0	12,429.5	14,053.9	11,986.1	42.2	61.9	-8.98	-1,041.8	553.5	728.7	635.5	93.26	7.814	
14,820.0	12,429.5	14,048.0	11,986.4	42.4	61.8	-9.75	-1,042.2	559.4	807.1	711.9	95.22	8.476	
14,915.0	12,429.5	14,042.3	11,986.8	42.7	61.7	-10.50	-1,042.6	565.1	888.6	792.0	96.64	9.195	
15,010.0	12,429.5	14,036.7	11,987.1	43.0	61.6	-11.23	-1,042.9	570.7	972.6	874.9	97.67	9.958	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #101H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8898-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
8,740.0	8,683.2	19,755.0	9,491.2	27.6	89.6	76.22	841.3	471.2	955.0	856.3	98.70	9.676		
8,835.0	8,778.2	19,755.0	9,491.2	27.9	89.6	76.22	841.3	471.2	862.4	763.3	99.13	8.699		
8,930.0	8,873.2	19,755.0	9,491.2	28.2	89.6	76.22	841.3	471.2	770.3	670.7	99.64	7.731		
9,025.0	8,968.2	19,755.0	9,491.2	28.5	89.6	76.22	841.3	471.2	679.1	578.9	100.26	6.774		
9,120.0	9,063.2	19,755.0	9,491.2	28.9	89.6	76.22	841.3	471.2	589.1	488.0	101.06	5.829		
9,215.0	9,158.2	19,750.2	9,491.6	29.2	89.6	77.54	836.6	471.3	500.9	398.7	102.16	4.903		
9,310.0	9,253.2	19,742.1	9,492.3	29.5	89.5	79.82	828.5	471.4	415.6	311.7	103.83	4.002		
9,405.0	9,348.2	19,734.0	9,493.0	29.9	89.4	82.13	820.4	471.6	335.3	228.8	106.49	3.148		
9,500.0	9,443.2	19,725.8	9,493.7	30.2	89.4	84.47	812.3	471.8	264.6	153.8	110.79	2.388		
9,595.0	9,538.2	19,717.7	9,494.4	30.5	89.3	86.81	804.2	471.9	213.4	96.9	116.53	1.832 Advise and Monitor		
9,677.2	9,620.5	19,710.7	9,495.0	30.8	89.2	88.85	797.2	472.1	197.1	77.5	119.56	1.649 Advise and Monitor, CC, ES, SF		
9,690.0	9,633.2	19,709.6	9,495.1	30.8	89.2	89.17	796.1	472.1	197.5	77.9	119.58	1.652 Advise and Monitor		
9,785.0	9,728.2	19,701.4	9,495.8	31.2	89.2	91.52	788.0	472.3	224.5	108.2	116.31	1.930 Advise and Monitor		
9,880.0	9,823.2	19,693.3	9,496.5	31.5	89.1	93.86	779.9	472.4	282.3	170.8	111.48	2.532		
9,975.0	9,918.2	19,685.7	9,497.2	31.8	89.0	96.05	772.3	472.6	356.2	248.1	108.13	3.295		
10,070.0	10,013.2	19,678.7	9,497.7	32.1	89.0	98.03	765.3	472.7	438.2	332.1	106.16	4.128		
10,165.0	10,108.2	19,672.1	9,498.3	32.5	88.9	99.88	758.8	472.9	524.5	419.5	105.03	4.994		
10,260.0	10,203.2	19,665.9	9,498.8	32.8	88.9	101.61	752.5	473.0	613.3	508.9	104.40	5.875		
10,355.0	10,298.2	19,660.0	9,499.2	33.1	88.8	103.23	746.6	473.1	703.7	599.6	104.06	6.762		
10,450.0	10,393.2	19,654.3	9,499.6	33.5	88.8	104.74	741.0	473.2	795.1	691.2	103.91	7.652		
10,545.0	10,488.2	19,649.0	9,500.0	33.8	88.7	106.16	735.7	473.4	887.2	783.3	103.87	8.541		
10,640.0	10,583.2	19,642.0	9,500.5	34.1	88.7	107.99	728.7	473.5	979.8	875.9	103.89	9.431		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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		
8,455.0	8,398.2	19,310.7	9,011.5	26.6	90.2	-86.14	835.3	-348.9	962.3	855.6	106.65	9.023		
8,550.0	8,493.2	19,305.4	9,011.7	26.9	90.2	-86.62	830.0	-348.9	892.2	784.0	108.18	8.248		
8,645.0	8,588.2	19,300.1	9,012.0	27.3	90.2	-87.11	824.7	-348.9	827.1	717.2	109.88	7.527		
8,740.0	8,683.2	19,294.7	9,012.3	27.6	90.1	-87.59	819.4	-348.9	768.2	656.4	111.74	6.875		
8,835.0	8,778.2	19,289.4	9,012.6	27.9	90.1	-88.08	814.1	-348.9	717.0	603.3	113.67	6.308		
8,930.0	8,873.2	19,284.1	9,012.9	28.2	90.0	-88.57	808.8	-349.0	675.3	559.8	115.53	5.845		
9,025.0	8,968.2	19,278.8	9,013.2	28.5	90.0	-89.05	803.5	-349.0	645.0	527.9	117.11	5.508		
9,120.0	9,063.2	19,273.5	9,013.5	28.9	89.9	-89.54	798.2	-349.0	627.7	509.6	118.17	5.312		
9,188.7	9,131.9	19,269.7	9,013.7	29.1	89.9	-89.89	794.4	-349.0	624.0	505.5	118.50	5.266	CC, ES, SF	
9,215.0	9,158.2	19,268.2	9,013.8	29.2	89.9	-90.02	792.9	-349.0	624.5	506.0	118.52	5.270		
9,310.0	9,253.2	19,262.9	9,014.1	29.5	89.8	-90.51	787.6	-349.0	635.6	517.5	118.12	5.381		
9,405.0	9,348.2	19,257.6	9,014.4	29.9	89.8	-91.00	782.3	-349.0	660.3	543.2	117.10	5.639		
9,500.0	9,443.2	19,252.6	9,014.7	30.2	89.7	-91.46	777.3	-349.0	697.1	581.4	115.69	6.026		
9,595.0	9,538.2	19,246.8	9,015.0	30.5	89.7	-91.99	771.5	-349.0	744.3	630.1	114.14	6.521		
9,690.0	9,633.2	19,241.5	9,015.3	30.8	89.6	-92.47	766.2	-349.0	799.9	687.3	112.62	7.103		
9,785.0	9,728.2	19,236.6	9,015.6	31.2	89.6	-92.92	761.3	-349.0	862.5	751.2	111.24	7.753		
9,880.0	9,823.2	19,232.0	9,015.8	31.5	89.6	-93.34	756.8	-349.0	930.5	820.4	110.05	8.455		

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #201H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8552-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,550.0	8,493.2	19,405.0	9,242.2	26.9	88.4	-107.89	711.4	21.7	911.0	812.6	98.34	9.263	
8,645.0	8,588.2	19,405.0	9,242.2	27.3	88.4	-107.89	711.4	21.7	820.6	721.6	98.97	8.291	
8,740.0	8,683.2	19,405.0	9,242.2	27.6	88.4	-107.89	711.4	21.7	731.4	631.6	99.74	7.333	
8,835.0	8,778.2	19,405.0	9,242.2	27.9	88.4	-107.89	711.4	21.7	643.8	543.1	100.69	6.394	
8,930.0	8,873.2	19,405.0	9,242.2	28.2	88.4	-107.89	711.4	21.7	558.7	456.8	101.93	5.481	
9,025.0	8,968.2	19,405.0	9,242.2	28.5	88.4	-107.89	711.4	21.7	477.3	373.7	103.59	4.608	
9,120.0	9,063.2	19,405.0	9,242.2	28.9	88.4	-107.89	711.4	21.7	402.0	296.1	105.84	3.798	
9,215.0	9,158.2	19,405.0	9,242.2	29.2	88.4	-107.89	711.4	21.7	336.7	227.9	108.81	3.095	
9,310.0	9,253.2	19,405.0	9,242.2	29.5	88.4	-107.89	711.4	21.7	288.5	176.4	112.11	2.573	
9,405.0	9,348.2	19,405.0	9,242.2	29.9	88.4	-107.89	711.4	21.7	266.7	152.5	114.16	2.336	
9,421.2	9,364.5	19,405.0	9,242.2	29.9	88.4	-107.89	711.4	21.7	266.2	151.9	114.24	2.330	CC, ES, SF
9,500.0	9,443.2	19,405.0	9,242.2	30.2	88.4	-107.89	711.4	21.7	277.6	164.3	113.30	2.450	
9,595.0	9,538.2	19,405.0	9,242.2	30.5	88.4	-107.89	711.4	21.7	317.9	207.4	110.47	2.878	
9,690.0	9,633.2	19,405.0	9,242.2	30.8	88.4	-107.89	711.4	21.7	378.3	270.7	107.64	3.514	
9,785.0	9,728.2	19,405.0	9,242.2	31.2	88.4	-107.89	711.4	21.7	450.8	345.2	105.58	4.269	
9,880.0	9,823.2	19,405.0	9,242.2	31.5	88.4	-107.89	711.4	21.7	530.4	426.2	104.26	5.088	
9,975.0	9,918.2	19,405.0	9,242.2	31.8	88.4	-107.89	711.4	21.7	614.5	511.0	103.45	5.940	
10,070.0	10,013.2	19,405.0	9,242.2	32.1	88.4	-107.89	711.4	21.7	701.3	598.3	102.99	6.810	
10,165.0	10,108.2	19,405.0	9,242.2	32.5	88.4	-107.89	711.4	21.7	790.0	687.2	102.75	7.689	
10,260.0	10,203.2	19,405.0	9,242.2	32.8	88.4	-107.89	711.4	21.7	880.0	777.4	102.66	8.572	
10,355.0	10,298.2	19,405.0	9,242.2	33.1	88.4	-107.89	711.4	21.7	971.0	868.3	102.68	9.457	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #302H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 9382-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	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	
9,595.0	9,538.2	20,184.6	10,041.8	30.5	89.2	89.39	801.3	1,040.8	988.4	876.5	111.87	8.835	
9,690.0	9,633.2	20,182.8	10,041.8	30.8	89.2	89.52	799.6	1,040.8	931.2	817.7	113.54	8.202	
9,785.0	9,728.2	20,181.1	10,041.9	31.2	89.1	89.65	797.9	1,040.8	880.7	765.4	115.28	7.639	
9,880.0	9,823.2	20,179.4	10,041.9	31.5	89.1	89.78	796.2	1,040.8	837.8	720.8	117.00	7.161	
9,975.0	9,918.2	20,177.7	10,041.9	31.8	89.1	89.91	794.4	1,040.8	804.0	685.4	118.60	6.779	
10,070.0	10,013.2	20,175.9	10,042.0	32.1	89.1	90.04	792.7	1,040.8	780.3	660.4	119.95	6.506	
10,165.0	10,108.2	20,174.2	10,042.0	32.5	89.1	90.17	791.0	1,040.8	767.8	646.9	120.90	6.350	
10,220.0	10,163.2	20,173.2	10,042.0	32.7	89.1	90.24	790.0	1,040.8	765.8	644.5	121.24	6.316	CC, ES, SF
10,260.0	10,203.2	20,172.5	10,042.0	32.8	89.1	90.29	789.3	1,040.8	766.8	645.5	121.38	6.318	
10,355.0	10,298.2	20,170.8	10,042.1	33.1	89.1	90.42	787.5	1,040.8	777.6	656.2	121.36	6.407	
10,450.0	10,393.2	20,169.0	10,042.1	33.5	89.0	90.55	785.8	1,040.8	799.6	678.7	120.90	6.613	
10,545.0	10,488.2	20,167.3	10,042.1	33.8	89.0	90.68	784.1	1,040.8	831.9	711.8	120.12	6.925	
10,640.0	10,583.2	20,165.6	10,042.2	34.1	89.0	90.81	782.4	1,040.7	873.4	754.2	119.14	7.331	
10,735.0	10,678.2	20,163.9	10,042.2	34.5	89.0	90.94	780.6	1,040.7	922.8	804.7	118.09	7.815	
10,830.0	10,773.2	20,162.1	10,042.2	34.8	89.0	91.07	778.9	1,040.7	979.0	862.0	117.04	8.364	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #303H - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 100-Standard Keeper 104, 8315-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,360.0	8,303.2	19,237.3	9,070.3	26.3	89.2	82.15	818.4	457.8	910.6	813.5	97.10	9.378	
8,455.0	8,398.2	19,234.9	9,070.3	26.6	89.2	82.91	815.9	457.8	817.8	720.3	97.51	8.387	
8,550.0	8,493.2	19,232.4	9,070.4	26.9	89.2	83.67	813.5	457.8	725.5	627.5	98.01	7.403	
8,645.0	8,588.2	19,229.9	9,070.4	27.3	89.2	84.44	811.0	457.8	634.1	535.5	98.64	6.429	
8,740.0	8,683.2	19,227.4	9,070.5	27.6	89.1	85.21	808.5	457.9	543.9	444.4	99.48	5.467	
8,835.0	8,778.2	19,225.0	9,070.6	27.9	89.1	85.98	806.1	457.9	455.5	354.8	100.70	4.524	
8,930.0	8,873.2	19,222.5	9,070.6	28.2	89.1	86.75	803.6	457.9	370.6	267.9	102.62	3.611	
9,025.0	8,968.2	19,220.0	9,070.7	28.5	89.1	87.52	801.1	457.9	291.8	186.0	105.82	2.757	
9,120.0	9,063.2	19,217.6	9,070.8	28.9	89.1	88.29	798.7	458.0	225.8	114.8	111.05	2.033	
9,215.0	9,158.2	19,215.1	9,070.8	29.2	89.0	89.07	796.2	458.0	186.8	69.9	116.88	1.598 Advise and Monitor	
9,252.3	9,195.5	19,214.1	9,070.9	29.3	89.0	89.37	795.2	458.0	183.0	65.1	117.87	1.553 Advise and Monitor, CC, ES, SF	
9,310.0	9,253.2	19,212.6	9,070.9	29.5	89.0	89.84	793.7	458.0	191.9	75.0	116.87	1.642 Advise and Monitor	
9,405.0	9,348.2	19,210.1	9,071.0	29.9	89.0	90.61	791.2	458.0	238.3	126.5	111.84	2.131	
9,500.0	9,443.2	19,207.7	9,071.0	30.2	89.0	91.38	788.8	458.1	307.9	200.3	107.65	2.860	
9,595.0	9,538.2	19,205.2	9,071.1	30.5	88.9	92.16	786.3	458.1	388.4	283.2	105.19	3.693	
9,690.0	9,633.2	19,202.7	9,071.1	30.8	88.9	92.93	783.8	458.1	474.3	370.5	103.82	4.568	
9,785.0	9,728.2	19,200.3	9,071.2	31.2	88.9	93.70	781.4	458.2	563.1	460.0	103.07	5.463	
9,880.0	9,823.2	19,197.8	9,071.3	31.5	88.9	94.46	778.9	458.2	653.6	551.0	102.67	6.367	
9,975.0	9,918.2	19,195.3	9,071.3	31.8	88.9	95.23	776.4	458.2	745.3	642.8	102.48	7.272	
10,070.0	10,013.2	19,192.9	9,071.4	32.1	88.8	95.98	774.0	458.2	837.7	735.2	102.42	8.178	
10,165.0	10,108.2	19,190.5	9,071.5	32.5	88.8	96.71	771.6	458.3	930.6	828.1	102.46	9.082	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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: Reference		100-Standard Keeper 104, 9409-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)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,405.0	9,348.2	20,380.0	9,987.7	29.9	90.5	-85.56	836.8	-286.6	944.3	835.2	109.05	8.659		
9,500.0	9,443.2	20,380.0	9,987.7	30.2	90.5	-85.56	836.8	-286.6	869.9	759.3	110.54	7.869		
9,595.0	9,538.2	20,380.0	9,987.7	30.5	90.5	-85.56	836.8	-286.6	799.8	687.6	112.24	7.126		
9,690.0	9,633.2	20,380.0	9,987.7	30.8	90.5	-85.56	836.8	-286.6	735.4	621.3	114.14	6.443		
9,785.0	9,728.2	20,379.0	9,987.8	31.2	90.5	-85.66	835.8	-286.6	678.3	562.1	116.20	5.837		
9,880.0	9,823.2	20,372.1	9,988.3	31.5	90.5	-86.36	829.0	-286.8	630.3	512.0	118.29	5.328		
9,975.0	9,918.2	20,365.2	9,988.8	31.8	90.4	-87.05	822.1	-287.0	593.6	473.4	120.19	4.939		
10,070.0	10,013.2	20,358.4	9,989.3	32.1	90.3	-87.75	815.3	-287.2	570.5	448.9	121.59	4.692		
10,164.9	10,108.2	20,351.5	9,989.8	32.5	90.3	-88.45	808.4	-287.3	562.5	440.4	122.18	4.604	CC	
10,165.0	10,108.2	20,351.5	9,989.8	32.5	90.3	-88.45	808.4	-287.3	562.5	440.4	122.18	4.604	ES, SF	
10,260.0	10,203.2	20,344.6	9,990.3	32.8	90.2	-89.15	801.6	-287.5	570.5	448.6	121.86	4.681		
10,355.0	10,298.2	20,337.7	9,990.8	33.1	90.2	-89.85	794.7	-287.7	593.6	472.9	120.76	4.916		
10,450.0	10,393.2	20,330.9	9,991.3	33.5	90.1	-90.54	787.8	-287.9	630.3	511.1	119.18	5.289		
10,545.0	10,488.2	20,324.0	9,991.8	33.8	90.0	-91.24	781.0	-288.1	678.3	560.9	117.45	5.775		
10,640.0	10,583.2	20,318.0	9,992.2	34.1	90.0	-91.85	775.0	-288.2	735.5	619.7	115.80	6.351		
10,735.0	10,678.2	20,312.8	9,992.6	34.5	89.9	-92.38	769.8	-288.4	799.9	685.5	114.36	6.994		
10,830.0	10,773.2	20,308.1	9,992.9	34.8	89.9	-92.85	765.1	-288.5	869.8	756.6	113.15	7.687		
10,925.0	10,868.2	20,303.8	9,993.1	35.1	89.9	-93.29	760.8	-288.6	944.1	831.9	112.19	8.415		

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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 #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		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	
8,930.0	8,873.2	19,817.3	9,476.9	28.2	90.3	-90.42	788.2	-403.0	990.1	880.6	109.48	9.044	
9,025.0	8,968.2	19,817.2	9,476.9	28.5	90.3	-90.42	788.2	-403.0	923.2	812.1	111.05	8.313	
9,120.0	9,063.2	19,817.2	9,476.9	28.9	90.3	-90.42	788.2	-403.0	861.5	748.8	112.75	7.641	
9,215.0	9,158.2	19,817.2	9,476.9	29.2	90.3	-90.42	788.2	-403.0	806.4	691.8	114.55	7.039	
9,310.0	9,253.2	19,817.2	9,476.9	29.5	90.3	-90.42	788.2	-403.0	759.2	642.8	116.36	6.524	
9,405.0	9,348.2	19,817.2	9,476.9	29.9	90.3	-90.43	788.2	-403.0	721.4	603.4	118.04	6.112	
9,500.0	9,443.2	19,817.2	9,476.9	30.2	90.3	-90.43	788.1	-403.0	694.7	575.3	119.40	5.818	
9,595.0	9,538.2	19,817.1	9,476.9	30.5	90.3	-90.43	788.1	-403.0	680.3	560.1	120.27	5.657	
9,651.6	9,594.8	19,817.1	9,476.9	30.7	90.3	-90.43	788.1	-403.0	678.0	557.5	120.50	5.626	CC, ES, SF
9,690.0	9,633.2	19,817.1	9,476.9	30.8	90.3	-90.43	788.1	-403.0	679.1	558.5	120.52	5.634	
9,785.0	9,728.2	19,817.1	9,476.9	31.2	90.3	-90.43	788.1	-403.0	691.0	570.8	120.15	5.751	
9,880.0	9,823.2	19,817.1	9,476.9	31.5	90.3	-90.43	788.1	-403.0	715.4	596.2	119.26	5.999	
9,975.0	9,918.2	19,817.1	9,476.9	31.8	90.3	-90.43	788.1	-403.0	751.2	633.1	118.04	6.364	
10,070.0	10,013.2	19,817.1	9,476.9	32.1	90.3	-90.44	788.0	-403.0	796.7	680.0	116.68	6.828	
10,165.0	10,108.2	19,817.0	9,476.9	32.5	90.3	-90.44	788.0	-403.0	850.4	735.1	115.34	7.374	
10,260.0	10,203.2	19,817.0	9,476.9	32.8	90.3	-90.44	788.0	-403.0	910.9	796.9	114.09	7.984	
10,355.0	10,298.2	19,817.0	9,476.9	33.1	90.3	-90.44	788.0	-403.0	977.0	864.0	113.00	8.645	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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	89.62	0.2	30.0	30.0				
95.0	95.0	94.5	94.5	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.00	5.000	
190.0	190.0	189.5	189.5	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.00	4.998	
285.0	285.0	284.5	284.5	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.01	4.994	
380.0	380.0	379.5	379.5	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.02	4.987	
475.0	475.0	474.5	474.5	3.0	3.0	89.62	0.2	30.0	30.0	24.0	6.03	4.978	
570.0	570.0	569.5	569.5	3.1	3.1	89.62	0.2	30.0	30.0	24.0	6.04	4.966	
665.0	665.0	664.5	664.5	3.1	3.1	89.62	0.2	30.0	30.0	23.9	6.06	4.952	
760.0	760.0	759.5	759.5	3.1	3.1	89.62	0.2	30.0	30.0	23.9	6.08	4.936	
855.0	855.0	854.5	854.5	3.2	3.2	89.62	0.2	30.0	30.0	23.9	6.10	4.918	
950.0	950.0	949.5	949.5	3.2	3.2	89.62	0.2	30.0	30.0	23.9	6.13	4.897	
1,045.0	1,045.0	1,044.5	1,044.5	3.3	3.3	89.62	0.2	30.0	30.0	23.8	6.15	4.875	
1,140.0	1,140.0	1,139.5	1,139.5	3.3	3.3	89.62	0.2	30.0	30.0	23.8	6.18	4.851	
1,235.0	1,235.0	1,234.5	1,234.5	3.4	3.4	89.62	0.2	30.0	30.0	23.8	6.22	4.825	
1,330.0	1,330.0	1,329.5	1,329.5	3.4	3.4	89.62	0.2	30.0	30.0	23.7	6.25	4.797	
1,425.0	1,425.0	1,424.5	1,424.5	3.5	3.5	89.62	0.2	30.0	30.0	23.7	6.29	4.767	
1,507.4	1,507.4	1,506.9	1,506.9	3.6	3.6	70.94	0.2	30.0	29.9	23.6	6.34	4.721 CC, ES, SF	
1,520.0	1,520.0	1,519.3	1,519.3	3.6	3.6	70.55	0.2	30.1	30.0	23.7	6.35	4.733	
1,615.0	1,615.0	1,613.5	1,613.5	3.8	3.6	72.13	1.5	31.9	31.1	24.7	6.47	4.812	
1,710.0	1,709.8	1,707.6	1,707.4	4.5	3.7	75.46	4.5	36.2	33.8	27.1	6.71	5.047	
1,805.0	1,804.4	1,801.6	1,801.0	5.1	3.7	79.73	9.2	43.1	38.4	31.5	6.87	5.582	
1,900.0	1,898.7	1,895.4	1,894.1	5.7	3.8	84.10	15.6	52.5	44.8	37.8	7.00	6.403	
1,995.0	1,992.8	1,988.9	1,986.5	6.0	3.8	86.56	23.8	64.3	53.3	46.2	7.16	7.455	
2,090.0	2,086.9	2,082.1	2,078.1	6.1	3.9	86.16	33.6	78.6	63.9	56.5	7.39	8.646	
2,185.0	2,180.9	2,174.8	2,168.5	6.3	4.0	84.13	45.0	95.2	76.4	68.7	7.68	9.949	
2,280.0	2,275.0	2,267.0	2,257.9	6.5	4.0	81.32	58.0	114.1	91.1	83.1	8.02	11.358	
2,375.0	2,369.1	2,360.7	2,348.4	6.7	4.1	78.88	71.7	134.1	106.6	98.3	8.39	12.717	
2,470.0	2,463.2	2,454.3	2,438.8	6.9	4.2	77.06	85.4	154.1	122.4	113.6	8.75	13.977	
2,565.0	2,557.2	2,547.9	2,529.2	7.1	4.2	75.65	99.1	174.0	138.2	129.0	9.12	15.142	
2,660.0	2,651.3	2,641.5	2,619.7	7.3	4.3	74.54	112.8	194.0	154.0	144.5	9.50	16.217	
2,755.0	2,745.4	2,735.2	2,710.1	7.5	4.4	73.63	126.6	214.0	169.9	160.1	9.88	17.208	
2,850.0	2,839.5	2,828.8	2,800.5	7.8	4.5	72.88	140.3	234.0	185.9	175.6	10.26	18.121	
2,945.0	2,933.5	2,922.4	2,891.0	8.0	4.6	72.25	154.0	254.0	201.9	191.2	10.65	18.962	
3,040.0	3,027.6	3,016.0	2,981.4	8.3	4.7	71.71	167.7	273.9	217.9	206.8	11.04	19.737	
3,135.0	3,121.7	3,109.7	3,071.8	8.6	4.8	71.24	181.4	293.9	233.9	222.4	11.43	20.452	
3,230.0	3,215.8	3,203.3	3,162.2	8.8	4.8	70.83	195.1	313.9	249.9	238.0	11.84	21.111	
3,325.0	3,309.8	3,296.9	3,252.7	9.1	4.9	70.48	208.9	333.9	265.9	253.7	12.24	21.720	
3,420.0	3,403.9	3,390.5	3,343.1	9.4	5.0	70.16	222.6	353.8	282.0	269.3	12.65	22.283	
3,515.0	3,498.0	3,484.2	3,433.5	9.7	5.2	69.88	236.3	373.8	298.0	284.9	13.07	22.804	
3,610.0	3,592.1	3,577.8	3,524.0	10.0	5.3	69.62	250.0	393.8	314.1	300.6	13.49	23.286	
3,705.0	3,686.1	3,671.4	3,614.4	10.3	5.4	69.39	263.7	413.8	330.1	316.2	13.91	23.733	
3,800.0	3,780.2	3,765.0	3,704.8	10.6	5.5	69.19	277.5	433.8	346.2	331.9	14.34	24.148	
3,895.0	3,874.3	3,858.6	3,795.3	10.9	5.6	69.00	291.2	453.7	362.3	347.5	14.77	24.534	
3,990.0	3,968.4	3,952.3	3,885.7	11.2	5.7	68.82	304.9	473.7	378.3	363.1	15.20	24.892	
4,085.0	4,062.4	4,045.9	3,976.1	11.5	5.8	68.66	318.6	493.7	394.4	378.8	15.64	25.226	
4,180.0	4,156.5	4,139.5	4,066.6	11.8	6.0	68.52	332.3	513.7	410.5	394.4	16.07	25.538	
4,275.0	4,250.6	4,233.1	4,157.0	12.1	6.1	68.38	346.1	533.7	426.6	410.1	16.52	25.829	
4,370.0	4,344.7	4,326.8	4,247.4	12.4	6.2	68.26	359.8	553.6	442.7	425.7	16.96	26.100	
4,465.0	4,438.7	4,420.4	4,337.9	12.7	6.3	68.14	373.5	573.6	458.8	441.3	17.41	26.354	
4,560.0	4,532.8	4,514.0	4,428.3	13.0	6.5	68.03	387.2	593.6	474.8	457.0	17.86	26.592	
4,655.0	4,626.9	4,607.6	4,518.7	13.4	6.6	67.93	400.9	613.6	490.9	472.6	18.31	26.815	
4,750.0	4,721.0	4,701.3	4,609.2	13.7	6.8	67.83	414.7	633.5	507.0	488.3	18.76	27.024	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #701H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 12125-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:									Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,845.0	4,815.0	4,794.9	4,699.6	14.0	6.9	67.74	428.4	653.5	523.1	503.9	19.22	27.219	
4,940.0	4,909.1	4,888.5	4,790.0	14.3	7.1	67.66	442.1	673.5	539.2	519.5	19.68	27.404	
5,035.0	5,003.2	4,982.1	4,880.5	14.7	7.2	67.58	455.8	693.5	555.3	535.2	20.14	27.577	
5,130.0	5,097.3	5,075.8	4,970.9	15.0	7.4	67.51	469.5	713.5	571.4	550.8	20.60	27.740	
5,225.0	5,191.3	5,169.4	5,061.3	15.3	7.6	67.43	483.3	733.4	587.5	566.4	21.06	27.893	
5,320.0	5,285.4	5,263.0	5,151.8	15.6	7.7	67.37	497.0	753.4	603.6	582.1	21.53	28.038	
5,415.0	5,379.5	5,356.6	5,242.2	16.0	7.9	67.30	510.7	773.4	619.7	597.7	22.00	28.174	
5,510.0	5,473.6	5,450.2	5,332.6	16.3	8.1	67.24	524.4	793.4	635.8	613.3	22.46	28.302	
5,605.0	5,567.6	5,543.9	5,423.1	16.6	8.3	67.19	538.1	813.4	651.9	629.0	22.94	28.424	
5,700.0	5,661.7	5,637.5	5,513.5	17.0	8.4	67.13	551.8	833.3	668.0	644.6	23.41	28.538	
5,795.0	5,755.8	5,731.1	5,603.9	17.3	8.6	67.08	565.6	853.3	684.1	660.2	23.88	28.646	
5,890.0	5,849.9	5,824.7	5,694.4	17.6	8.8	67.03	579.3	873.3	700.2	675.8	24.36	28.749	
5,985.0	5,943.9	5,918.4	5,784.8	18.0	9.0	66.98	593.0	893.3	716.3	691.5	24.83	28.846	
6,080.0	6,038.0	6,012.0	5,875.2	18.3	9.2	66.94	606.7	913.2	732.4	707.1	25.31	28.937	
6,175.0	6,132.1	6,105.6	5,965.7	18.6	9.4	66.89	620.4	933.2	748.5	722.7	25.79	29.024	
6,270.0	6,226.2	6,199.2	6,056.1	19.0	9.6	66.85	634.2	953.2	764.6	738.3	26.27	29.106	
6,365.0	6,320.2	6,292.9	6,146.5	19.3	9.8	66.81	647.9	973.2	780.7	754.0	26.75	29.184	
6,460.0	6,414.3	6,386.5	6,237.0	19.6	10.0	66.77	661.6	993.2	796.8	769.6	27.23	29.258	
6,555.0	6,508.4	6,480.1	6,327.4	20.0	10.2	66.74	675.3	1,013.1	812.9	785.2	27.72	29.328	
6,650.0	6,602.5	6,573.7	6,417.8	20.3	10.5	66.70	689.0	1,033.1	829.0	800.8	28.20	29.394	
6,745.0	6,696.5	6,680.3	6,521.0	20.7	10.7	66.70	704.2	1,055.1	844.4	815.7	28.75	29.375	
6,840.0	6,790.6	6,788.0	6,625.8	21.0	10.9	66.76	718.3	1,075.8	858.4	829.1	29.29	29.307	
6,935.0	6,884.7	6,896.2	6,731.4	21.3	11.2	66.89	731.4	1,094.9	870.8	840.9	29.83	29.195	
7,030.0	6,978.8	7,004.7	6,837.9	21.7	11.4	67.09	743.4	1,112.4	881.6	851.3	30.36	29.042	
7,125.0	7,072.8	7,113.6	6,945.0	22.0	11.6	67.35	754.3	1,128.2	891.0	860.1	30.88	28.852	
7,220.0	7,166.9	7,222.7	7,052.7	22.3	11.7	67.67	764.1	1,142.5	898.8	867.4	31.40	28.625	
7,315.0	7,261.0	7,331.9	7,160.9	22.7	11.9	68.06	772.7	1,155.0	905.1	873.2	31.91	28.367	
7,410.0	7,355.1	7,441.3	7,269.4	23.0	12.0	68.52	780.2	1,165.9	910.2	877.8	32.40	28.092	
7,505.0	7,449.5	7,550.7	7,378.3	23.3	12.2	68.94	786.5	1,175.0	914.3	881.4	32.89	27.800	
7,600.0	7,544.0	7,660.2	7,487.5	23.7	12.3	69.30	791.6	1,182.4	917.5	884.1	33.37	27.496	
7,695.0	7,638.7	7,769.8	7,596.8	24.0	12.4	69.63	795.5	1,188.2	919.7	885.9	33.83	27.186	
7,790.0	7,733.4	7,879.4	7,706.3	24.4	12.4	69.91	798.2	1,192.2	921.0	886.7	34.27	26.872	
7,885.0	7,828.3	7,989.0	7,815.9	24.7	12.5	70.15	799.8	1,194.4	921.3	886.6	34.71	26.545	
7,980.0	7,923.3	8,095.9	7,922.8	25.0	12.5	70.33	800.2	1,195.0	920.7	885.6	35.11	26.226	
8,075.0	8,018.2	8,190.9	8,017.7	25.3	12.6	70.43	800.2	1,195.0	920.1	884.6	35.47	25.942	
8,165.9	8,109.1	8,281.7	8,108.6	25.6	12.6	70.45	800.2	1,195.0	920.0	884.2	35.81	25.692	
8,170.0	8,113.2	8,285.9	8,112.7	25.6	12.6	89.56	800.2	1,195.0	920.0	884.2	35.82	25.683	
8,265.0	8,208.2	8,380.9	8,207.7	26.0	12.7	89.56	800.2	1,195.0	920.0	883.9	36.18	25.432	
8,360.0	8,303.2	8,475.9	8,302.7	26.3	12.7	89.56	800.2	1,195.0	920.0	883.5	36.53	25.185	
8,455.0	8,398.2	8,570.9	8,397.7	26.6	12.8	89.56	800.2	1,195.0	920.0	883.1	36.89	24.940	
8,550.0	8,493.2	8,665.9	8,492.7	26.9	12.9	89.56	800.2	1,195.0	920.0	882.8	37.25	24.700	
8,645.0	8,588.2	8,760.9	8,587.7	27.3	12.9	89.56	800.2	1,195.0	920.0	882.4	37.61	24.464	
8,740.0	8,683.2	8,855.9	8,682.7	27.6	13.0	89.56	800.2	1,195.0	920.0	882.1	37.97	24.232	
8,835.0	8,778.2	8,950.9	8,777.7	27.9	13.1	89.56	800.2	1,195.0	920.0	881.7	38.33	24.004	
8,930.0	8,873.2	9,045.9	8,872.7	28.2	13.1	89.56	800.2	1,195.0	920.0	881.3	38.69	23.780	
9,025.0	8,968.2	9,140.9	8,967.7	28.5	13.2	89.56	800.2	1,195.0	920.0	881.0	39.05	23.560	
9,120.0	9,063.2	9,235.9	9,062.7	28.9	13.3	89.56	800.2	1,195.0	920.0	880.6	39.41	23.343	
9,215.0	9,158.2	9,330.9	9,157.7	29.2	13.3	89.56	800.2	1,195.0	920.0	880.3	39.78	23.130	
9,310.0	9,253.2	9,425.9	9,252.7	29.5	13.4	89.56	800.2	1,195.0	920.0	879.9	40.14	22.920	
9,405.0	9,348.2	9,520.9	9,347.7	29.9	13.5	89.56	800.2	1,195.0	920.0	879.5	40.50	22.714	
9,500.0	9,443.2	9,615.9	9,442.7	30.2	13.6	89.56	800.2	1,195.0	920.0	879.2	40.87	22.511	
9,595.0	9,538.2	9,710.9	9,537.7	30.5	13.6	89.56	800.2	1,195.0	920.0	878.8	41.24	22.312	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 12125-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,690.0	9,633.2	9,805.9	9,632.7	30.8	13.7	89.56	800.2	1,195.0	920.0	878.4	41.60	22.115	
9,785.0	9,728.2	9,900.9	9,727.7	31.2	13.8	89.56	800.2	1,195.0	920.0	878.1	41.97	21.922	
9,880.0	9,823.2	9,995.9	9,822.7	31.5	13.9	89.56	800.2	1,195.0	920.0	877.7	42.34	21.732	
9,975.0	9,918.2	10,090.9	9,917.7	31.8	14.0	89.56	800.2	1,195.0	920.0	877.3	42.70	21.545	
10,070.0	10,013.2	10,185.9	10,012.7	32.1	14.1	89.56	800.2	1,195.0	920.0	877.0	43.07	21.361	
10,165.0	10,108.2	10,280.9	10,107.7	32.5	14.1	89.56	800.2	1,195.0	920.0	876.6	43.44	21.179	
10,260.0	10,203.2	10,375.9	10,202.7	32.8	14.2	89.56	800.2	1,195.0	920.0	876.2	43.81	21.001	
10,355.0	10,298.2	10,470.9	10,297.7	33.1	14.3	89.56	800.2	1,195.0	920.0	875.8	44.18	20.825	
10,450.0	10,393.2	10,565.9	10,392.7	33.5	14.4	89.56	800.2	1,195.0	920.0	875.5	44.55	20.652	
10,545.0	10,488.2	10,660.9	10,487.7	33.8	14.5	89.56	800.2	1,195.0	920.0	875.1	44.92	20.481	
10,640.0	10,583.2	10,755.9	10,582.7	34.1	14.6	89.56	800.2	1,195.0	920.0	874.7	45.29	20.314	
10,735.0	10,678.2	10,850.9	10,677.7	34.5	14.7	89.56	800.2	1,195.0	920.0	874.4	45.66	20.148	
10,830.0	10,773.2	10,945.9	10,772.7	34.8	14.8	89.56	800.2	1,195.0	920.0	874.0	46.03	19.985	
10,925.0	10,868.2	11,040.9	10,867.7	35.1	14.9	89.56	800.2	1,195.0	920.0	873.6	46.41	19.825	
11,020.0	10,963.2	11,135.9	10,962.7	35.4	15.0	89.56	800.2	1,195.0	920.0	873.2	46.78	19.667	
11,115.0	11,058.2	11,230.9	11,057.7	35.8	15.1	89.56	800.2	1,195.0	920.0	872.9	47.15	19.511	
11,210.0	11,153.2	11,325.9	11,152.7	36.1	15.1	89.56	800.2	1,195.0	920.0	872.5	47.53	19.358	
11,305.0	11,248.2	11,420.9	11,247.7	36.4	15.2	89.56	800.2	1,195.0	920.0	872.1	47.90	19.207	
11,400.0	11,343.2	11,515.9	11,342.7	36.8	15.3	89.56	800.2	1,195.0	920.0	871.8	48.28	19.058	
11,495.0	11,438.2	11,610.9	11,437.7	37.1	15.4	89.56	800.2	1,195.0	920.0	871.4	48.65	18.911	
11,590.0	11,533.2	11,705.9	11,532.7	37.4	15.5	89.56	800.2	1,195.0	920.0	871.0	49.03	18.766	
11,685.0	11,628.2	11,800.9	11,627.7	37.8	15.6	89.56	800.2	1,195.0	920.0	870.6	49.40	18.624	
11,780.0	11,723.2	11,895.9	11,722.7	38.1	15.7	89.56	800.2	1,195.0	920.0	870.2	49.78	18.483	
11,875.0	11,818.2	11,990.9	11,817.7	38.4	15.8	89.56	800.2	1,195.0	920.0	869.9	50.15	18.344	
11,970.0	11,913.2	12,085.9	11,912.7	38.8	15.9	89.56	800.2	1,195.0	920.0	869.5	50.53	18.207	
12,065.0	12,008.1	12,165.0	11,991.8	38.9	16.1	-76.21	798.5	1,195.4	919.7	869.0	50.74	18.128	
12,160.0	12,100.7	12,233.4	12,059.3	38.9	16.2	-76.68	788.2	1,197.6	917.8	867.0	50.82	18.059	
12,255.0	12,187.5	12,300.0	12,122.9	38.9	16.2	-77.54	769.1	1,201.7	914.4	863.4	50.95	17.948	
12,350.0	12,264.9	12,375.0	12,190.5	39.0	16.3	-78.88	737.5	1,208.6	909.6	858.5	51.05	17.817	
12,445.0	12,330.0	12,443.3	12,247.0	39.0	16.4	-80.48	700.1	1,216.7	903.8	852.6	51.19	17.655	
12,540.0	12,380.2	12,516.3	12,300.7	39.0	16.5	-82.44	651.9	1,227.2	897.5	846.2	51.31	17.491	
12,635.0	12,413.5	12,591.8	12,347.6	39.0	16.6	-84.66	594.2	1,239.7	891.3	839.8	51.42	17.334	
12,730.0	12,428.6	12,670.6	12,386.0	39.1	16.7	-87.08	527.0	1,254.2	885.6	834.1	51.51	17.192	
12,825.0	12,429.5	12,755.1	12,414.1	39.1	16.8	-89.03	449.2	1,271.1	881.8	830.2	51.63	17.079	
12,866.2	12,429.5	12,794.4	12,422.3	39.1	16.8	-89.56	411.6	1,279.2	881.5	829.8	51.72	17.042	
12,920.0	12,429.5	12,847.5	12,428.2	39.2	16.8	-89.95	360.1	1,290.4	882.0	830.2	51.87	17.005	
13,015.0	12,429.5	12,972.7	12,429.0	39.2	16.9	-90.00	237.4	1,315.3	884.3	832.1	52.26	16.923	
13,110.0	12,429.5	13,110.2	12,429.0	39.3	17.0	-90.00	101.6	1,336.5	885.4	832.5	52.91	16.737	
13,205.0	12,429.5	13,247.7	12,429.0	39.5	17.1	-90.00	-35.0	1,351.2	885.1	831.5	53.66	16.496	
13,300.0	12,429.5	13,385.1	12,429.0	39.6	17.2	-90.00	-172.2	1,359.4	883.4	829.0	54.46	16.223	
13,395.0	12,429.5	13,505.8	12,429.0	39.7	17.3	-90.00	-292.9	1,361.3	880.7	825.5	55.12	15.978	
13,489.3	12,429.5	13,600.0	12,429.0	39.8	17.4	-90.00	-387.2	1,361.9	879.6	824.0	55.65	15.807	
13,490.0	12,429.5	13,600.8	12,429.0	39.8	17.4	-90.00	-387.9	1,361.9	880.0	824.3	55.65	15.813	
13,585.0	12,429.5	13,695.8	12,429.0	39.9	17.5	-90.00	-482.9	1,362.5	880.0	823.8	56.21	15.655	
13,680.0	12,429.5	13,790.8	12,429.0	40.0	17.8	-90.00	-577.9	1,363.1	880.0	823.2	56.81	15.490	
13,775.0	12,429.5	13,885.8	12,429.0	40.2	18.1	-90.00	-672.9	1,363.7	880.0	822.6	57.44	15.321	
13,870.0	12,429.5	13,980.8	12,429.0	40.3	18.5	-90.00	-767.9	1,364.2	880.0	821.9	58.09	15.149	
13,965.0	12,429.5	14,075.8	12,429.0	40.5	19.0	-90.00	-862.9	1,364.8	880.0	821.2	58.77	14.972	
14,060.0	12,429.5	14,170.8	12,429.0	40.6	19.4	-90.00	-957.9	1,365.4	880.0	820.5	59.48	14.794	
14,155.0	12,429.5	14,265.8	12,429.0	40.8	20.0	-90.00	-1,052.9	1,366.0	880.0	819.8	60.22	14.614	
14,250.0	12,429.5	14,360.8	12,429.0	41.0	20.5	-90.00	-1,147.9	1,366.6	880.0	819.0	60.98	14.432	
14,345.0	12,429.5	14,455.8	12,429.0	41.2	21.0	-90.00	-1,242.9	1,367.1	880.0	818.2	61.76	14.250	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #701H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 12125-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,440.0	12,429.5	14,550.8	12,429.0	41.4	21.6	-90.00	-1,337.9	1,367.7	880.0	817.4	62.56	14.067	
14,535.0	12,429.5	14,645.8	12,429.0	41.7	22.2	-90.00	-1,432.9	1,368.3	880.0	816.6	63.38	13.884	
14,630.0	12,429.5	14,740.8	12,429.0	41.9	22.7	-90.00	-1,527.9	1,368.9	880.0	815.8	64.22	13.702	
14,725.0	12,429.5	14,835.8	12,429.0	42.2	23.3	-90.00	-1,622.9	1,369.5	880.0	814.9	65.08	13.521	
14,820.0	12,429.5	14,930.8	12,429.0	42.4	23.9	-90.00	-1,717.9	1,370.0	880.0	814.0	65.96	13.341	
14,915.0	12,429.5	15,025.8	12,429.0	42.7	24.5	-90.00	-1,812.9	1,370.6	880.0	813.1	66.86	13.162	
15,010.0	12,429.5	15,120.8	12,429.0	43.0	25.1	-90.00	-1,907.9	1,371.2	880.0	812.2	67.77	12.984	
15,105.0	12,429.5	15,215.8	12,429.0	43.3	25.7	-90.00	-2,002.9	1,371.8	880.0	811.3	68.70	12.809	
15,200.0	12,429.5	15,310.8	12,429.0	43.6	26.4	-90.00	-2,097.9	1,372.4	880.0	810.3	69.65	12.635	
15,295.0	12,429.5	15,405.8	12,429.0	43.9	27.0	-90.00	-2,192.9	1,372.9	880.0	809.4	70.61	12.463	
15,390.0	12,429.5	15,500.8	12,429.0	44.3	27.6	-90.00	-2,287.9	1,373.5	880.0	808.4	71.58	12.294	
15,485.0	12,429.5	15,595.8	12,429.0	44.6	28.3	-90.00	-2,382.9	1,374.1	880.0	807.4	72.57	12.126	
15,580.0	12,429.5	15,690.8	12,429.0	44.9	28.9	-90.00	-2,477.9	1,374.7	880.0	806.4	73.57	11.961	
15,675.0	12,429.5	15,785.8	12,429.0	45.3	29.5	-90.00	-2,572.9	1,375.3	880.0	805.4	74.58	11.799	
15,770.0	12,429.5	15,880.8	12,429.0	45.7	30.2	-90.00	-2,667.8	1,375.8	880.0	804.4	75.61	11.639	
15,865.0	12,429.5	15,975.8	12,429.0	46.0	30.8	-90.00	-2,762.8	1,376.4	880.0	803.3	76.65	11.481	
15,960.0	12,429.5	16,070.8	12,429.0	46.4	31.5	-90.00	-2,857.8	1,377.0	880.0	802.3	77.70	11.326	
16,055.0	12,429.5	16,165.8	12,429.0	46.8	32.2	-90.00	-2,952.8	1,377.6	880.0	801.2	78.76	11.174	
16,150.0	12,429.5	16,260.8	12,429.0	47.2	32.8	-90.00	-3,047.8	1,378.2	880.0	800.2	79.83	11.024	
16,245.0	12,429.5	16,355.8	12,429.0	47.6	33.5	-90.00	-3,142.8	1,378.7	880.0	799.1	80.91	10.877	
16,340.0	12,429.5	16,450.8	12,429.0	48.1	34.2	-90.00	-3,237.8	1,379.3	880.0	798.0	82.00	10.732	
16,435.0	12,429.5	16,545.8	12,429.0	48.5	34.8	-90.00	-3,332.8	1,379.9	880.0	796.9	83.10	10.590	
16,530.0	12,429.5	16,640.8	12,429.0	48.9	35.5	-90.00	-3,427.8	1,380.5	880.0	795.8	84.21	10.450	
16,625.0	12,429.5	16,735.8	12,429.0	49.4	36.2	-90.00	-3,522.8	1,381.1	880.0	794.7	85.32	10.313	
16,720.0	12,429.5	16,830.8	12,429.0	49.8	36.8	-90.00	-3,617.8	1,381.6	880.0	793.5	86.45	10.179	
16,815.0	12,429.5	16,925.8	12,429.0	50.3	37.5	-90.00	-3,712.8	1,382.2	880.0	792.4	87.58	10.047	
16,910.0	12,429.5	17,020.8	12,429.0	50.7	38.2	-90.00	-3,807.8	1,382.8	880.0	791.2	88.73	9.918	
17,005.0	12,429.5	17,115.8	12,429.0	51.2	38.9	-90.00	-3,902.8	1,383.4	880.0	790.1	89.88	9.791	
17,100.0	12,429.5	17,210.8	12,429.0	51.6	39.6	-90.00	-3,997.8	1,384.0	880.0	788.9	91.04	9.666	
17,195.0	12,429.5	17,305.8	12,429.0	52.1	40.2	-90.00	-4,092.8	1,384.5	880.0	787.8	92.20	9.544	
17,290.0	12,429.5	17,400.8	12,429.0	52.6	40.9	-90.00	-4,187.8	1,385.1	880.0	786.6	93.37	9.424	
17,385.0	12,429.5	17,495.8	12,429.0	53.1	41.6	-90.00	-4,282.8	1,385.7	880.0	785.4	94.55	9.307	
17,480.0	12,429.5	17,590.8	12,429.0	53.6	42.3	-90.00	-4,377.8	1,386.3	880.0	784.2	95.74	9.191	
17,575.0	12,429.5	17,685.8	12,429.0	54.1	43.0	-90.00	-4,472.8	1,386.9	880.0	783.0	96.93	9.078	
17,670.0	12,429.5	17,780.8	12,429.0	54.6	43.7	-90.00	-4,567.8	1,387.4	880.0	781.8	98.13	8.967	
17,765.0	12,429.5	17,875.8	12,429.0	55.1	44.4	-90.00	-4,662.8	1,388.0	880.0	780.6	99.33	8.859	
17,860.0	12,429.5	17,970.8	12,429.0	55.6	45.1	-90.00	-4,757.8	1,388.6	880.0	779.4	100.54	8.752	
17,955.0	12,429.5	18,065.8	12,429.0	56.1	45.8	-90.00	-4,852.8	1,389.2	880.0	778.2	101.76	8.647	
18,050.0	12,429.5	18,160.8	12,429.0	56.7	46.5	-90.00	-4,947.8	1,389.8	880.0	777.0	102.98	8.545	
18,145.0	12,429.5	18,255.8	12,429.0	57.2	47.2	-90.00	-5,042.8	1,390.3	880.0	775.8	104.21	8.444	
18,240.0	12,429.5	18,350.8	12,429.0	57.7	47.8	-90.00	-5,137.8	1,390.9	880.0	774.5	105.44	8.346	
18,335.0	12,429.5	18,445.8	12,429.0	58.3	48.5	-90.00	-5,232.8	1,391.5	880.0	773.3	106.68	8.249	
18,430.0	12,429.5	18,540.8	12,429.0	58.8	49.2	-90.00	-5,327.8	1,392.1	880.0	772.0	107.92	8.154	
18,525.0	12,429.5	18,635.8	12,429.0	59.3	49.9	-90.00	-5,422.8	1,392.7	880.0	770.8	109.16	8.061	
18,620.0	12,429.5	18,730.8	12,429.0	59.9	50.6	-90.00	-5,517.8	1,393.2	880.0	769.5	110.42	7.969	
18,715.0	12,429.5	18,825.8	12,429.0	60.4	51.3	-90.00	-5,612.8	1,393.8	880.0	768.3	111.67	7.880	
18,810.0	12,429.5	18,920.8	12,429.0	61.0	52.0	-90.00	-5,707.8	1,394.4	880.0	767.0	112.93	7.792	
18,905.0	12,429.5	19,015.8	12,429.0	61.6	52.7	-90.00	-5,802.8	1,395.0	880.0	765.8	114.19	7.706	
19,000.0	12,429.5	19,110.8	12,429.0	62.1	53.4	-90.00	-5,897.8	1,395.6	880.0	764.5	115.46	7.621	
19,095.0	12,429.5	19,205.8	12,429.0	62.7	54.2	-90.00	-5,992.8	1,396.1	880.0	763.2	116.73	7.538	
19,190.0	12,429.5	19,300.8	12,429.0	63.3	54.9	-90.00	-6,087.8	1,396.7	880.0	761.9	118.01	7.457	
19,285.0	12,429.5	19,395.8	12,429.0	63.8	55.6	-90.00	-6,182.8	1,397.3	880.0	760.7	119.29	7.377	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,380.0	12,429.5	19,490.8	12,429.0	64.4	56.3	-90.00	-6,277.8	1,397.9	880.0	759.4	120.57	7.298	
19,475.0	12,429.5	19,585.8	12,429.0	65.0	57.0	-90.00	-6,372.8	1,398.5	879.9	758.1	121.86	7.221	
19,570.0	12,429.5	19,680.8	12,429.0	65.6	57.7	-90.00	-6,467.8	1,399.0	879.9	756.8	123.15	7.146	
19,665.0	12,429.5	19,775.8	12,429.0	66.2	58.4	-90.00	-6,562.8	1,399.6	879.9	755.5	124.44	7.071	
19,760.0	12,429.5	19,870.8	12,429.0	66.7	59.1	-90.00	-6,657.8	1,400.2	879.9	754.2	125.73	6.998	
19,855.0	12,429.5	19,965.8	12,429.0	67.3	59.8	-90.00	-6,752.8	1,400.8	879.9	752.9	127.03	6.927	
19,950.0	12,429.5	20,060.8	12,429.0	67.9	60.5	-90.00	-6,847.8	1,401.4	879.9	751.6	128.34	6.857	
20,045.0	12,429.5	20,155.8	12,429.0	68.5	61.2	-90.00	-6,942.8	1,401.9	879.9	750.3	129.64	6.788	
20,140.0	12,429.5	20,250.8	12,429.0	69.1	61.9	-90.00	-7,037.8	1,402.5	879.9	749.0	130.95	6.720	
20,235.0	12,429.5	20,345.8	12,429.0	69.7	62.6	-90.00	-7,132.8	1,403.1	879.9	747.7	132.26	6.653	
20,330.0	12,429.5	20,440.8	12,429.0	70.3	63.3	-90.00	-7,227.8	1,403.7	879.9	746.4	133.57	6.588	
20,425.0	12,429.5	20,535.8	12,429.0	70.9	64.0	-90.00	-7,322.8	1,404.3	879.9	745.1	134.89	6.523	
20,520.0	12,429.5	20,630.8	12,429.0	71.5	64.8	-90.00	-7,417.8	1,404.8	879.9	743.7	136.21	6.460	
20,615.0	12,429.5	20,725.8	12,429.0	72.2	65.5	-90.00	-7,512.8	1,405.4	879.9	742.4	137.53	6.398	
20,710.0	12,429.5	20,820.8	12,429.0	72.8	66.2	-90.00	-7,607.8	1,406.0	879.9	741.1	138.85	6.337	
20,805.0	12,429.5	20,915.8	12,429.0	73.4	66.9	-90.00	-7,702.8	1,406.6	879.9	739.8	140.18	6.277	
20,900.0	12,429.5	21,010.8	12,429.0	74.0	67.6	-90.00	-7,797.8	1,407.2	879.9	738.4	141.51	6.218	
20,995.0	12,429.5	21,105.8	12,429.0	74.6	68.3	-90.00	-7,892.8	1,407.7	879.9	737.1	142.84	6.160	
21,090.0	12,429.5	21,200.8	12,429.0	75.2	69.0	-90.00	-7,987.7	1,408.3	879.9	735.8	144.17	6.103	
21,185.0	12,429.5	21,295.8	12,429.0	75.9	69.7	-90.00	-8,082.7	1,408.9	879.9	734.4	145.51	6.047	
21,280.0	12,429.5	21,390.8	12,429.0	76.5	70.4	-90.00	-8,177.7	1,409.5	879.9	733.1	146.84	5.992	
21,375.0	12,429.5	21,485.8	12,429.0	77.1	71.2	-90.00	-8,272.7	1,410.1	879.9	731.8	148.18	5.938	
21,470.0	12,429.5	21,580.8	12,429.0	77.7	71.9	-90.00	-8,367.7	1,410.6	879.9	730.4	149.52	5.885	
21,565.0	12,429.5	21,675.8	12,429.0	78.4	72.6	-90.00	-8,462.7	1,411.2	879.9	729.1	150.87	5.833	
21,660.0	12,429.5	21,770.8	12,429.0	79.0	73.3	-90.00	-8,557.7	1,411.8	879.9	727.7	152.21	5.781	
21,755.0	12,429.5	21,865.8	12,429.0	79.6	74.0	-90.00	-8,652.7	1,412.4	879.9	726.4	153.56	5.730	
21,850.0	12,429.5	21,960.8	12,429.0	80.3	74.7	-90.00	-8,747.7	1,413.0	879.9	725.0	154.91	5.680	
21,945.0	12,429.5	22,055.8	12,429.0	80.9	75.4	-90.00	-8,842.7	1,413.5	879.9	723.7	156.26	5.631	
22,040.0	12,429.5	22,150.8	12,429.0	81.5	76.2	-90.00	-8,937.7	1,414.1	879.9	722.3	157.61	5.583	
22,135.0	12,429.5	22,245.8	12,429.0	82.2	76.9	-90.00	-9,032.7	1,414.7	879.9	721.0	158.96	5.535	
22,230.0	12,429.5	22,340.8	12,429.0	82.8	77.6	-90.00	-9,127.7	1,415.3	879.9	719.6	160.32	5.489	
22,325.0	12,429.5	22,435.8	12,429.0	83.4	78.3	-90.00	-9,222.7	1,415.9	879.9	718.3	161.67	5.443	
22,420.0	12,429.5	22,530.8	12,429.0	84.1	79.0	-90.00	-9,317.7	1,416.4	879.9	716.9	163.03	5.397	
22,515.0	12,429.5	22,625.8	12,429.0	84.7	79.7	-90.00	-9,412.7	1,417.0	879.9	715.5	164.39	5.353	
22,610.0	12,429.5	22,720.8	12,429.0	85.4	80.4	-90.00	-9,507.7	1,417.6	879.9	714.2	165.75	5.309	
22,705.0	12,429.5	22,815.8	12,429.0	86.0	81.2	-90.00	-9,602.7	1,418.2	879.9	712.8	167.12	5.265	
22,788.7	12,429.5	22,899.5	12,429.0	86.6	81.8	-90.00	-9,686.5	1,418.7	879.9	711.6	168.31	5.228	
22,791.5	12,429.5	22,901.5	12,429.0	86.6	81.8	-90.00	-9,688.4	1,418.7	879.9	711.6	168.35	5.227	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 11723-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	0.00	45.0	0.0	45.0				
95.0	95.0	95.0	95.0	3.0	3.0	0.00	45.0	0.0	45.0	39.0	6.00	7.499	
190.0	190.0	190.0	190.0	3.0	3.0	0.00	45.0	0.0	45.0	39.0	6.01	7.489	
285.0	285.0	285.0	285.0	3.0	3.0	0.00	45.0	0.0	45.0	39.0	6.03	7.465	
380.0	380.0	380.0	380.0	3.0	3.0	0.00	45.0	0.0	45.0	38.9	6.06	7.429	
475.0	475.0	475.0	475.0	3.0	3.0	0.00	45.0	0.0	45.0	38.9	6.10	7.381	
570.0	570.0	570.0	570.0	3.1	3.1	0.00	45.0	0.0	45.0	38.9	6.15	7.322	
665.0	665.0	665.0	665.0	3.1	3.1	0.00	45.0	0.0	45.0	38.8	6.21	7.252	
760.0	760.0	760.0	760.0	3.1	3.1	0.00	45.0	0.0	45.0	38.7	6.27	7.173	
855.0	855.0	855.0	855.0	3.2	3.2	0.00	45.0	0.0	45.0	38.6	6.35	7.085	
950.0	950.0	950.0	950.0	3.2	3.2	0.00	45.0	0.0	45.0	38.6	6.44	6.990	
1,045.0	1,045.0	1,045.0	1,045.0	3.3	3.3	0.00	45.0	0.0	45.0	38.5	6.53	6.888	
1,140.0	1,140.0	1,140.0	1,140.0	3.3	3.3	0.00	45.0	0.0	45.0	38.4	6.64	6.781	
1,235.0	1,235.0	1,235.0	1,235.0	3.4	3.4	0.00	45.0	0.0	45.0	38.3	6.75	6.670	
1,330.0	1,330.0	1,330.0	1,330.0	3.4	3.4	0.00	45.0	0.0	45.0	38.1	6.86	6.555	
1,425.0	1,425.0	1,425.0	1,425.0	3.5	3.5	0.00	45.0	0.0	45.0	38.0	6.99	6.438	
1,517.9	1,517.9	1,517.6	1,517.6	3.6	3.6	-19.25	45.1	0.0	44.8	37.6	7.14	6.270 CC	
1,520.0	1,520.0	1,519.7	1,519.7	3.6	3.6	-19.15	45.1	0.0	45.0	37.9	7.14	6.302	
1,615.0	1,615.0	1,613.2	1,613.2	3.8	3.6	-19.92	47.2	0.1	45.1	37.7	7.42	6.078	
1,710.0	1,709.8	1,706.7	1,706.6	4.5	3.7	-21.75	52.4	0.4	45.3	37.4	7.95	5.702 ES	
1,805.0	1,804.4	1,800.0	1,799.5	5.1	3.8	-24.61	60.7	0.8	45.8	37.4	8.39	5.465	
1,900.0	1,898.7	1,893.7	1,892.5	5.7	3.8	-28.42	72.0	1.4	46.7	38.0	8.72	5.352	
1,995.0	1,992.8	1,988.1	1,985.9	6.0	3.9	-32.31	85.7	2.2	48.7	39.9	8.82	5.525	
2,090.0	2,086.9	2,083.0	2,079.7	6.1	4.0	-35.82	99.8	2.9	51.2	42.3	8.87	5.766	
2,185.0	2,180.9	2,178.0	2,173.6	6.3	4.1	-39.00	113.8	3.7	53.7	44.8	8.95	6.004	
2,280.0	2,275.0	2,272.9	2,267.5	6.5	4.1	-41.89	127.8	4.4	56.5	47.4	9.07	6.229	
2,375.0	2,369.1	2,367.8	2,361.4	6.7	4.2	-44.50	141.8	5.1	59.4	50.1	9.22	6.438	
2,470.0	2,463.2	2,462.7	2,455.3	6.9	4.3	-46.86	155.8	5.9	62.3	52.9	9.41	6.628	
2,565.0	2,557.2	2,557.6	2,549.1	7.1	4.4	-49.01	169.8	6.6	65.4	55.8	9.62	6.800	
2,660.0	2,651.3	2,652.6	2,643.0	7.3	4.5	-50.96	183.8	7.4	68.6	58.7	9.86	6.954	
2,755.0	2,745.4	2,747.5	2,736.9	7.5	4.6	-52.74	197.8	8.1	71.8	61.7	10.13	7.091	
2,850.0	2,839.5	2,842.4	2,830.8	7.8	4.7	-54.36	211.9	8.9	75.1	64.7	10.42	7.213	
2,945.0	2,933.5	2,937.3	2,924.6	8.0	4.8	-55.84	225.9	9.6	78.5	67.8	10.72	7.321	
3,040.0	3,027.6	3,032.2	3,018.5	8.3	4.9	-57.21	239.9	10.4	81.9	70.8	11.04	7.417	
3,135.0	3,121.7	3,127.2	3,112.4	8.6	5.0	-58.46	253.9	11.1	85.3	74.0	11.37	7.503	
3,230.0	3,215.8	3,222.1	3,206.3	8.8	5.0	-59.61	267.9	11.8	88.8	77.1	11.72	7.579	
3,325.0	3,309.8	3,317.0	3,300.1	9.1	5.1	-60.68	281.9	12.6	92.3	80.3	12.07	7.647	
3,420.0	3,403.9	3,411.9	3,394.0	9.4	5.2	-61.67	295.9	13.3	95.9	83.4	12.44	7.708	
3,515.0	3,498.0	3,506.8	3,487.9	9.7	5.3	-62.59	309.9	14.1	99.5	86.6	12.81	7.763	
3,610.0	3,592.1	3,601.8	3,581.8	10.0	5.4	-63.44	323.9	14.8	103.1	89.9	13.19	7.812	
3,705.0	3,686.1	3,696.7	3,675.7	10.3	5.5	-64.24	338.0	15.6	106.7	93.1	13.58	7.857	
3,800.0	3,780.2	3,791.6	3,769.5	10.6	5.6	-64.99	352.0	16.3	110.3	96.3	13.97	7.897	
3,895.0	3,874.3	3,886.5	3,863.4	10.9	5.8	-65.68	366.0	17.1	114.0	99.6	14.36	7.933	
3,990.0	3,968.4	3,981.4	3,957.3	11.2	5.9	-66.34	380.0	17.8	117.6	102.9	14.77	7.966	
4,085.0	4,062.4	4,076.4	4,051.2	11.5	6.0	-66.95	394.0	18.5	121.3	106.1	15.17	7.996	
4,180.0	4,156.5	4,171.3	4,145.0	11.8	6.1	-67.53	408.0	19.3	125.0	109.4	15.58	8.023	
4,275.0	4,250.6	4,266.2	4,238.9	12.1	6.2	-68.07	422.0	20.0	128.7	112.7	16.00	8.048	
4,370.0	4,344.7	4,361.1	4,332.8	12.4	6.3	-68.58	436.0	20.8	132.4	116.0	16.41	8.070	
4,465.0	4,438.7	4,456.0	4,426.7	12.7	6.4	-69.07	450.1	21.5	136.2	119.3	16.83	8.090	
4,560.0	4,532.8	4,551.0	4,520.5	13.0	6.5	-69.53	464.1	22.3	139.9	122.7	17.26	8.108	
4,655.0	4,626.9	4,645.9	4,614.4	13.4	6.6	-69.97	478.1	23.0	143.7	126.0	17.68	8.125	
4,750.0	4,721.0	4,740.8	4,708.3	13.7	6.7	-70.38	492.1	23.8	147.4	129.3	18.11	8.140	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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	
4,845.0	4,815.0	4,835.7	4,802.2	14.0	6.8	-70.77	506.1	24.5	151.2	132.6	18.54	8.153	
4,940.0	4,909.1	4,930.6	4,896.1	14.3	6.9	-71.15	520.1	25.2	155.0	136.0	18.98	8.165	
5,035.0	5,003.2	5,025.6	4,989.9	14.7	7.0	-71.50	534.1	26.0	158.7	139.3	19.41	8.176	
5,130.0	5,097.3	5,120.5	5,083.8	15.0	7.1	-71.84	548.1	26.7	162.5	142.7	19.85	8.186	
5,225.0	5,191.3	5,215.4	5,177.7	15.3	7.3	-72.17	562.2	27.5	166.3	146.0	20.30	8.194	
5,320.0	5,285.4	5,310.3	5,271.6	15.6	7.4	-72.48	576.2	28.2	170.1	149.4	20.74	8.202	
5,415.0	5,379.5	5,405.2	5,365.4	16.0	7.5	-72.77	590.2	29.0	173.9	152.7	21.18	8.208	
5,510.0	5,473.6	5,500.2	5,459.3	16.3	7.6	-73.05	604.2	29.7	177.7	156.1	21.63	8.214	
5,605.0	5,567.6	5,595.1	5,553.2	16.6	7.7	-73.33	618.2	30.5	181.5	159.4	22.08	8.219	
5,700.0	5,661.7	5,690.0	5,647.1	17.0	7.8	-73.59	632.2	31.2	185.3	162.8	22.54	8.223	
5,795.0	5,755.8	5,784.9	5,740.9	17.3	7.9	-73.84	646.2	31.9	189.1	166.1	22.99	8.227	
5,890.0	5,849.9	5,879.8	5,834.8	17.6	8.1	-74.08	660.2	32.7	192.9	169.5	23.44	8.230	
5,985.0	5,943.9	5,974.8	5,928.7	18.0	8.2	-74.31	674.3	33.4	196.8	172.9	23.90	8.232	
6,080.0	6,038.0	6,069.7	6,022.6	18.3	8.3	-74.53	688.3	34.2	200.6	176.2	24.36	8.234	
6,175.0	6,132.1	6,164.6	6,116.5	18.6	8.4	-74.74	702.3	34.9	204.4	179.6	24.82	8.235	
6,270.0	6,226.2	6,259.5	6,210.3	19.0	8.5	-74.95	716.3	35.7	208.2	183.0	25.29	8.235	
6,365.0	6,320.2	6,354.8	6,304.6	19.3	8.6	-75.16	730.3	36.4	212.1	186.3	25.75	8.235	
6,460.0	6,414.3	6,451.6	6,400.4	19.6	8.7	-75.61	743.5	37.1	215.3	189.1	26.22	8.213	
6,555.0	6,508.4	6,548.3	6,496.5	20.0	8.9	-76.43	755.0	37.7	217.8	191.1	26.67	8.166	
6,650.0	6,602.5	6,645.0	6,592.7	20.3	9.0	-77.60	764.9	38.3	219.6	192.4	27.11	8.098	
6,745.0	6,696.5	6,741.5	6,688.8	20.7	9.1	-79.13	773.2	38.7	220.7	193.1	27.55	8.011	
6,840.0	6,790.6	6,837.9	6,785.0	21.0	9.2	-81.01	779.8	39.0	221.3	193.3	27.96	7.913	
6,935.0	6,884.7	6,934.0	6,880.9	21.3	9.3	-83.26	784.8	39.3	221.5	193.1	28.36	7.809	
7,030.0	6,978.8	7,029.8	6,976.7	21.7	9.4	-85.89	788.2	39.5	221.4	192.7	28.75	7.704	
7,107.2	7,055.2	7,107.4	7,054.3	21.9	9.5	-88.29	789.8	39.6	221.4	192.4	29.06	7.619	
7,125.0	7,072.8	7,125.3	7,072.2	22.0	9.6	-88.89	790.0	39.6	221.4	192.3	29.13	7.600	
7,220.0	7,166.9	7,220.0	7,166.9	22.3	9.7	-92.22	790.3	39.6	221.6	192.1	29.53	7.506	
7,315.0	7,261.0	7,314.1	7,261.0	22.7	9.8	-95.59	790.3	39.6	222.5	192.6	29.93	7.436	
7,410.0	7,355.1	7,408.3	7,355.1	23.0	9.9	-98.80	790.3	39.6	224.1	193.8	30.33	7.390	
7,505.0	7,449.5	7,502.6	7,449.5	23.3	10.0	-101.60	790.3	39.6	226.1	195.4	30.74	7.355	
7,600.0	7,544.0	7,597.1	7,544.0	23.7	10.1	-103.96	790.3	39.6	228.3	197.1	31.16	7.326	
7,695.0	7,638.7	7,691.8	7,638.7	24.0	10.3	-105.90	790.3	39.6	230.3	198.8	31.57	7.296	
7,790.0	7,733.4	7,786.6	7,733.4	24.4	10.4	-107.45	790.3	39.6	232.2	200.2	31.98	7.261	
7,885.0	7,828.3	7,881.4	7,828.3	24.7	10.5	-108.60	790.3	39.6	233.7	201.3	32.38	7.218	
7,980.0	7,923.3	7,976.4	7,923.3	25.0	10.6	-109.37	790.3	39.6	234.8	202.0	32.77	7.164	
8,075.0	8,018.2	8,071.4	8,018.2	25.3	10.7	-109.76	790.3	39.6	235.3	202.2	33.15	7.099	
8,170.0	8,113.2	8,166.4	8,113.2	25.6	10.8	-90.71	790.3	39.6	235.4	201.9	33.51	7.025	
8,265.0	8,208.2	8,261.4	8,208.2	26.0	11.0	-90.71	790.3	39.6	235.4	201.5	33.88	6.949	
8,360.0	8,303.2	8,356.4	8,303.2	26.3	11.1	-90.71	790.3	39.6	235.4	201.2	34.24	6.875	
8,455.0	8,398.2	8,451.4	8,398.2	26.6	11.2	-90.71	790.3	39.6	235.4	200.8	34.61	6.802	
8,550.0	8,493.2	8,546.4	8,493.2	26.9	11.3	-90.71	790.3	39.6	235.4	200.4	34.98	6.730	
8,645.0	8,588.2	8,641.4	8,588.2	27.3	11.4	-90.71	790.3	39.6	235.4	200.1	35.35	6.660	
8,740.0	8,683.2	8,736.4	8,683.2	27.6	11.6	-90.71	790.3	39.6	235.4	199.7	35.72	6.591	
8,835.0	8,778.2	8,831.4	8,778.2	27.9	11.7	-90.71	790.3	39.6	235.4	199.3	36.09	6.524	
8,930.0	8,873.2	8,926.4	8,873.2	28.2	11.8	-90.71	790.3	39.6	235.4	199.0	36.46	6.457	
9,025.0	8,968.2	9,021.4	8,968.2	28.5	11.9	-90.71	790.3	39.6	235.4	198.6	36.83	6.392	
9,120.0	9,063.2	9,116.4	9,063.2	28.9	12.0	-90.71	790.3	39.6	235.4	198.2	37.20	6.328	
9,215.0	9,158.2	9,211.4	9,158.2	29.2	12.1	-90.71	790.3	39.6	235.4	197.8	37.58	6.265	
9,310.0	9,253.2	9,306.4	9,253.2	29.5	12.3	-90.71	790.3	39.6	235.4	197.5	37.95	6.204	
9,405.0	9,348.2	9,401.4	9,348.2	29.9	12.4	-90.71	790.3	39.6	235.4	197.1	38.32	6.143	
9,500.0	9,443.2	9,496.4	9,443.2	30.2	12.5	-90.71	790.3	39.6	235.4	196.7	38.70	6.084	
9,595.0	9,538.2	9,591.4	9,538.2	30.5	12.6	-90.71	790.3	39.6	235.4	196.3	39.07	6.025	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 11723-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
9,690.0	9,633.2	9,686.4	9,633.2	30.8	12.7	-90.71	790.3	39.6	235.4	196.0	39.45	5.968	
9,785.0	9,728.2	9,781.4	9,728.2	31.2	12.9	-90.71	790.3	39.6	235.4	195.6	39.82	5.911	
9,880.0	9,823.2	9,876.4	9,823.2	31.5	13.0	-90.71	790.3	39.6	235.4	195.2	40.20	5.856	
9,975.0	9,918.2	9,971.4	9,918.2	31.8	13.1	-90.71	790.3	39.6	235.4	194.8	40.58	5.802	
10,070.0	10,013.2	10,066.4	10,013.2	32.1	13.2	-90.71	790.3	39.6	235.4	194.5	40.96	5.748	
10,165.0	10,108.2	10,161.4	10,108.2	32.5	13.3	-90.71	790.3	39.6	235.4	194.1	41.33	5.696	
10,260.0	10,203.2	10,256.4	10,203.2	32.8	13.5	-90.71	790.3	39.6	235.4	193.7	41.71	5.644	
10,355.0	10,298.2	10,351.4	10,298.2	33.1	13.6	-90.71	790.3	39.6	235.4	193.3	42.09	5.593	
10,450.0	10,393.2	10,446.4	10,393.2	33.5	13.7	-90.71	790.3	39.6	235.4	192.9	42.47	5.543	
10,545.0	10,488.2	10,541.4	10,488.2	33.8	13.8	-90.71	790.3	39.6	235.4	192.6	42.85	5.494	
10,640.0	10,583.2	10,636.4	10,583.2	34.1	13.9	-90.71	790.3	39.6	235.4	192.2	43.23	5.446	
10,735.0	10,678.2	10,731.4	10,678.2	34.5	14.1	-90.71	790.3	39.6	235.4	191.8	43.61	5.398	
10,830.0	10,773.2	10,826.4	10,773.2	34.8	14.2	-90.71	790.3	39.6	235.4	191.4	43.99	5.351	
10,925.0	10,868.2	10,921.4	10,868.2	35.1	14.3	-90.71	790.3	39.6	235.4	191.0	44.37	5.305	
11,020.0	10,963.2	11,016.4	10,963.2	35.4	14.4	-90.71	790.3	39.6	235.4	190.7	44.76	5.260	
11,115.0	11,058.2	11,111.4	11,058.2	35.8	14.6	-90.71	790.3	39.6	235.4	190.3	45.14	5.215	
11,210.0	11,153.2	11,206.4	11,153.2	36.1	14.7	-90.71	790.3	39.6	235.4	189.9	45.52	5.172	
11,305.0	11,248.2	11,301.4	11,248.2	36.4	14.8	-90.71	790.3	39.6	235.4	189.5	45.90	5.128	
11,400.0	11,343.2	11,396.4	11,343.2	36.8	14.9	-90.71	790.3	39.6	235.4	189.1	46.29	5.086	
11,495.0	11,438.2	11,491.4	11,438.2	37.1	15.0	-90.71	790.3	39.6	235.4	188.7	46.67	5.044	
11,590.0	11,533.2	11,586.4	11,533.2	37.4	15.2	-90.71	790.3	39.6	235.4	188.4	47.06	5.003	
11,685.0	11,628.2	11,681.4	11,628.2	37.8	15.3	-90.71	790.3	39.6	235.4	188.0	47.44	4.962	
11,691.4	11,634.7	11,687.8	11,634.7	37.8	15.3	-90.71	790.3	39.6	235.4	188.0	47.47	4.960	
11,780.0	11,723.2	11,776.0	11,722.8	38.1	15.4	-91.42	787.4	39.6	235.5	187.6	47.81	4.924	
11,875.0	11,818.2	11,866.5	11,811.2	38.4	15.5	-95.88	769.0	39.7	236.6	188.3	48.31	4.898	
11,970.0	11,913.2	11,947.5	11,886.2	38.8	15.6	-103.09	738.6	39.9	242.9	193.8	49.10	4.946	
12,065.0	12,008.1	12,018.2	11,946.6	38.9	15.7	82.25	702.0	40.1	259.0	208.9	50.06	5.173	
12,160.0	12,100.7	12,084.6	11,997.9	38.9	15.8	73.50	659.9	40.4	283.8	233.0	50.82	5.585	
12,255.0	12,187.5	12,150.0	12,042.2	38.9	15.8	66.17	611.9	40.7	313.2	261.8	51.38	6.096	
12,350.0	12,264.9	12,210.1	12,076.8	39.0	15.9	60.58	562.8	41.0	343.8	292.0	51.79	6.639	
12,445.0	12,330.0	12,270.3	12,105.0	39.0	16.0	56.37	509.7	41.3	373.5	321.4	52.12	7.167	
12,540.0	12,380.2	12,325.0	12,124.7	39.0	16.0	53.40	458.6	41.6	400.8	348.4	52.43	7.645	
12,635.0	12,413.5	12,387.8	12,139.9	39.0	16.1	51.54	397.7	42.0	424.7	372.0	52.68	8.062	
12,730.0	12,428.6	12,450.0	12,146.9	39.1	16.1	50.66	336.0	42.4	444.8	391.9	52.90	8.409	
12,825.0	12,429.5	12,522.0	12,147.5	39.1	16.1	51.69	264.0	42.8	461.9	408.8	53.02	8.710	
12,920.0	12,429.5	12,615.1	12,147.5	39.2	16.1	53.30	170.9	43.4	477.2	424.1	53.17	8.976	
13,015.0	12,429.5	12,708.7	12,147.5	39.2	16.2	54.57	77.3	44.0	490.3	436.9	53.41	9.180	
13,110.0	12,429.5	12,802.8	12,147.5	39.3	16.2	55.55	-16.8	44.5	501.0	447.3	53.73	9.326	
13,205.0	12,429.5	12,897.3	12,147.5	39.5	16.2	56.27	-111.3	45.1	509.3	455.1	54.11	9.412	
13,300.0	12,429.5	12,992.0	12,147.5	39.6	16.2	56.75	-206.0	45.7	514.9	460.3	54.55	9.439	
13,395.0	12,429.5	13,087.0	12,147.5	39.7	16.3	57.00	-300.9	46.3	517.9	462.9	55.04	9.410	
13,490.0	12,429.5	13,181.9	12,147.5	39.8	16.3	57.05	-395.9	46.9	518.5	462.9	55.54	9.336	
13,585.0	12,429.5	13,276.9	12,147.5	39.9	16.3	57.05	-490.9	47.4	518.5	462.4	56.05	9.249	
13,680.0	12,429.5	13,371.9	12,147.5	40.0	16.4	57.05	-585.9	48.0	518.5	461.9	56.61	9.158	
13,775.0	12,429.5	13,466.9	12,147.5	40.2	16.4	57.05	-680.9	48.6	518.5	461.3	57.20	9.064	
13,870.0	12,429.5	13,561.9	12,147.5	40.3	16.5	57.05	-775.9	49.2	518.5	460.7	57.82	8.967	
13,965.0	12,429.5	13,656.9	12,147.5	40.5	16.7	57.05	-870.9	49.8	518.5	460.0	58.47	8.867	
14,060.0	12,429.5	13,751.9	12,147.5	40.6	17.3	57.05	-965.9	50.4	518.5	459.3	59.15	8.765	
14,155.0	12,429.5	13,846.9	12,147.5	40.8	17.8	57.05	-1,060.9	50.9	518.5	458.6	59.86	8.662	
14,250.0	12,429.5	13,941.9	12,147.5	41.0	18.4	57.05	-1,155.9	51.5	518.5	457.9	60.59	8.557	
14,345.0	12,429.5	14,036.9	12,147.5	41.2	19.0	57.05	-1,250.9	52.1	518.5	457.1	61.35	8.452	
14,440.0	12,429.5	14,131.9	12,147.5	41.4	19.7	57.05	-1,345.9	52.7	518.5	456.3	62.13	8.345	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
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Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-Standard Keeper 104, 11723-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
14,535.0	12,429.5	14,226.9	12,147.5	41.7	20.3	57.05	-1,440.9	53.3	518.5	455.5	62.93	8.239	
14,630.0	12,429.5	14,321.9	12,147.5	41.9	20.9	57.05	-1,535.9	53.8	518.5	454.7	63.76	8.132	
14,725.0	12,429.5	14,416.9	12,147.5	42.2	21.5	57.05	-1,630.9	54.4	518.5	453.9	64.61	8.025	
14,820.0	12,429.5	14,511.9	12,147.5	42.4	22.2	57.05	-1,725.9	55.0	518.5	453.0	65.47	7.919	
14,915.0	12,429.5	14,606.9	12,147.5	42.7	22.8	57.05	-1,820.9	55.6	518.5	452.1	66.36	7.813	
15,010.0	12,429.5	14,701.9	12,147.5	43.0	23.5	57.05	-1,915.9	56.2	518.5	451.2	67.27	7.707	
15,105.0	12,429.5	14,796.9	12,147.5	43.3	24.1	57.05	-2,010.9	56.7	518.5	450.3	68.19	7.603	
15,200.0	12,429.5	14,891.9	12,147.5	43.6	24.8	57.05	-2,105.9	57.3	518.5	449.3	69.13	7.499	
15,295.0	12,429.5	14,986.9	12,147.5	43.9	25.5	57.05	-2,200.9	57.9	518.5	448.4	70.09	7.397	
15,390.0	12,429.5	15,081.9	12,147.5	44.3	26.1	57.05	-2,295.9	58.5	518.5	447.4	71.07	7.295	
15,485.0	12,429.5	15,176.9	12,147.5	44.6	26.8	57.05	-2,390.9	59.1	518.5	446.4	72.06	7.195	
15,580.0	12,429.5	15,271.9	12,147.5	44.9	27.5	57.05	-2,485.9	59.7	518.5	445.4	73.06	7.096	
15,675.0	12,429.5	15,366.9	12,147.5	45.3	28.2	57.05	-2,580.9	60.2	518.5	444.4	74.08	6.999	
15,770.0	12,429.5	15,461.9	12,147.5	45.7	28.8	57.05	-2,675.9	60.8	518.5	443.3	75.11	6.903	
15,865.0	12,429.5	15,556.9	12,147.5	46.0	29.5	57.05	-2,770.9	61.4	518.5	442.3	76.16	6.808	
15,960.0	12,429.5	15,651.9	12,147.5	46.4	30.2	57.05	-2,865.9	62.0	518.5	441.2	77.21	6.715	
16,055.0	12,429.5	15,746.9	12,147.5	46.8	30.9	57.05	-2,960.9	62.6	518.5	440.2	78.28	6.623	
16,150.0	12,429.5	15,841.9	12,147.5	47.2	31.6	57.05	-3,055.9	63.1	518.5	439.1	79.36	6.533	
16,245.0	12,429.5	15,936.9	12,147.5	47.6	32.3	57.05	-3,150.9	63.7	518.5	438.0	80.45	6.444	
16,340.0	12,429.5	16,031.9	12,147.5	48.1	32.9	57.05	-3,245.9	64.3	518.5	436.9	81.56	6.357	
16,435.0	12,429.5	16,126.9	12,147.5	48.5	33.6	57.05	-3,340.9	64.9	518.5	435.8	82.67	6.272	
16,530.0	12,429.5	16,221.9	12,147.5	48.9	34.3	57.05	-3,435.9	65.5	518.5	434.7	83.79	6.188	
16,625.0	12,429.5	16,316.9	12,147.5	49.4	35.0	57.05	-3,530.9	66.1	518.5	433.5	84.92	6.105	
16,720.0	12,429.5	16,411.9	12,147.5	49.8	35.7	57.05	-3,625.9	66.6	518.5	432.4	86.06	6.024	
16,815.0	12,429.5	16,506.9	12,147.5	50.3	36.4	57.05	-3,720.9	67.2	518.5	431.2	87.21	5.945	
16,910.0	12,429.5	16,601.9	12,147.5	50.7	37.1	57.05	-3,815.9	67.8	518.5	430.1	88.37	5.867	
17,005.0	12,429.5	16,696.9	12,147.5	51.2	37.8	57.05	-3,910.9	68.4	518.5	428.9	89.54	5.790	
17,100.0	12,429.5	16,791.9	12,147.5	51.6	38.5	57.05	-4,005.9	69.0	518.5	427.7	90.71	5.715	
17,195.0	12,429.5	16,886.9	12,147.5	52.1	39.2	57.05	-4,100.9	69.5	518.5	426.6	91.89	5.642	
17,290.0	12,429.5	16,981.9	12,147.5	52.6	39.9	57.05	-4,195.9	70.1	518.5	425.4	93.08	5.570	
17,385.0	12,429.5	17,076.9	12,147.5	53.1	40.6	57.05	-4,290.9	70.7	518.5	424.2	94.28	5.499	
17,480.0	12,429.5	17,171.9	12,147.5	53.6	41.3	57.05	-4,385.9	71.3	518.5	423.0	95.49	5.430	
17,575.0	12,429.5	17,266.9	12,147.5	54.1	42.0	57.05	-4,480.9	71.9	518.4	421.8	96.70	5.362	
17,670.0	12,429.5	17,361.9	12,147.5	54.6	42.7	57.05	-4,575.9	72.5	518.4	420.5	97.91	5.295	
17,765.0	12,429.5	17,456.9	12,147.5	55.1	43.4	57.05	-4,670.8	73.0	518.4	419.3	99.14	5.230	
17,860.0	12,429.5	17,551.9	12,147.5	55.6	44.1	57.05	-4,765.8	73.6	518.4	418.1	100.36	5.166	
17,955.0	12,429.5	17,646.9	12,147.5	56.1	44.8	57.05	-4,860.8	74.2	518.4	416.8	101.60	5.103	
18,050.0	12,429.5	17,741.9	12,147.5	56.7	45.5	57.05	-4,955.8	74.8	518.4	415.6	102.84	5.041	
18,145.0	12,429.5	17,836.9	12,147.5	57.2	46.2	57.05	-5,050.8	75.4	518.4	414.4	104.08	4.981	
18,240.0	12,429.5	17,931.9	12,147.5	57.7	47.0	57.05	-5,145.8	75.9	518.4	413.1	105.34	4.922	
18,335.0	12,429.5	18,026.9	12,147.5	58.3	47.7	57.05	-5,240.8	76.5	518.4	411.9	106.59	4.864	
18,430.0	12,429.5	18,121.9	12,147.5	58.8	48.4	57.05	-5,335.8	77.1	518.4	410.6	107.85	4.807	
18,525.0	12,429.5	18,216.9	12,147.5	59.3	49.1	57.05	-5,430.8	77.7	518.4	409.3	109.12	4.751	
18,620.0	12,429.5	18,311.9	12,147.5	59.9	49.8	57.05	-5,525.8	78.3	518.4	408.1	110.39	4.697	
18,715.0	12,429.5	18,406.9	12,147.5	60.4	50.5	57.05	-5,620.8	78.8	518.4	406.8	111.66	4.643	
18,810.0	12,429.5	18,501.9	12,147.5	61.0	51.2	57.05	-5,715.8	79.4	518.4	405.5	112.94	4.590	
18,905.0	12,429.5	18,596.9	12,147.5	61.6	51.9	57.05	-5,810.8	80.0	518.4	404.2	114.22	4.539	
19,000.0	12,429.5	18,691.9	12,147.5	62.1	52.6	57.05	-5,905.8	80.6	518.4	402.9	115.51	4.488	
19,095.0	12,429.5	18,786.9	12,147.5	62.7	53.4	57.05	-6,000.8	81.2	518.4	401.6	116.80	4.439	
19,190.0	12,429.5	18,881.9	12,147.5	63.3	54.1	57.05	-6,095.8	81.8	518.4	400.3	118.10	4.390	
19,285.0	12,429.5	18,976.9	12,147.5	63.8	54.8	57.05	-6,190.8	82.3	518.4	399.0	119.39	4.342	
19,380.0	12,429.5	19,071.9	12,147.5	64.4	55.5	57.05	-6,285.8	82.9	518.4	397.7	120.70	4.295	

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

ConocoPhillips

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Reference Well:	HARRIER FEDERAL COM #703H	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	
19,475.0	12,429.5	19,166.9	12,147.5	65.0	56.2	57.05	-6,380.8	83.5	518.4	396.4	122.00	4.249	
19,570.0	12,429.5	19,261.9	12,147.5	65.6	56.9	57.05	-6,475.8	84.1	518.4	395.1	123.31	4.204	
19,665.0	12,429.5	19,356.9	12,147.5	66.2	57.6	57.05	-6,570.8	84.7	518.4	393.8	124.62	4.160	
19,760.0	12,429.5	19,451.9	12,147.5	66.7	58.3	57.05	-6,665.8	85.2	518.4	392.5	125.94	4.117	
19,855.0	12,429.5	19,546.9	12,147.5	67.3	59.1	57.05	-6,760.8	85.8	518.4	391.2	127.26	4.074	
19,950.0	12,429.5	19,641.9	12,147.5	67.9	59.8	57.05	-6,855.8	86.4	518.4	389.9	128.58	4.032	
20,045.0	12,429.5	19,736.9	12,147.5	68.5	60.5	57.05	-6,950.8	87.0	518.4	388.5	129.90	3.991	
20,140.0	12,429.5	19,831.9	12,147.5	69.1	61.2	57.05	-7,045.8	87.6	518.4	387.2	131.23	3.951	
20,235.0	12,429.5	19,926.9	12,147.5	69.7	61.9	57.05	-7,140.8	88.2	518.4	385.9	132.56	3.911	
20,330.0	12,429.5	20,021.9	12,147.5	70.3	62.6	57.05	-7,235.8	88.7	518.4	384.5	133.89	3.872	
20,425.0	12,429.5	20,116.9	12,147.5	70.9	63.4	57.05	-7,330.8	89.3	518.4	383.2	135.22	3.834	
20,520.0	12,429.5	20,211.9	12,147.5	71.5	64.1	57.05	-7,425.8	89.9	518.4	381.9	136.56	3.796	
20,615.0	12,429.5	20,306.9	12,147.5	72.2	64.8	57.05	-7,520.8	90.5	518.4	380.5	137.90	3.759	
20,710.0	12,429.5	20,401.9	12,147.5	72.8	65.5	57.05	-7,615.8	91.1	518.4	379.2	139.24	3.723	
20,805.0	12,429.5	20,496.9	12,147.5	73.4	66.2	57.05	-7,710.8	91.6	518.4	377.8	140.59	3.688	
20,900.0	12,429.5	20,591.9	12,147.5	74.0	66.9	57.05	-7,805.8	92.2	518.4	376.5	141.93	3.653	
20,995.0	12,429.5	20,686.9	12,147.5	74.6	67.7	57.05	-7,900.8	92.8	518.4	375.1	143.28	3.618	
21,090.0	12,429.5	20,781.9	12,147.5	75.2	68.4	57.05	-7,995.8	93.4	518.4	373.8	144.63	3.584	
21,185.0	12,429.5	20,876.9	12,147.5	75.9	69.1	57.05	-8,090.8	94.0	518.4	372.4	145.99	3.551	
21,280.0	12,429.5	20,971.9	12,147.5	76.5	69.8	57.05	-8,185.8	94.6	518.4	371.1	147.34	3.519	
21,375.0	12,429.5	21,066.9	12,147.5	77.1	70.5	57.05	-8,280.8	95.1	518.4	369.7	148.70	3.486	
21,470.0	12,429.5	21,161.9	12,147.5	77.7	71.2	57.05	-8,375.8	95.7	518.4	368.4	150.06	3.455	
21,565.0	12,429.5	21,256.9	12,147.5	78.4	72.0	57.05	-8,470.8	96.3	518.4	367.0	151.42	3.424	
21,660.0	12,429.5	21,351.9	12,147.5	79.0	72.7	57.05	-8,565.8	96.9	518.4	365.6	152.78	3.393	
21,755.0	12,429.5	21,446.9	12,147.5	79.6	73.4	57.05	-8,660.8	97.5	518.4	364.3	154.15	3.363	
21,850.0	12,429.5	21,541.9	12,147.5	80.3	74.1	57.05	-8,755.8	98.0	518.4	362.9	155.51	3.334	
21,945.0	12,429.5	21,636.9	12,147.5	80.9	74.8	57.05	-8,850.8	98.6	518.4	361.5	156.88	3.305	
22,040.0	12,429.5	21,731.9	12,147.5	81.5	75.6	57.05	-8,945.8	99.2	518.4	360.2	158.25	3.276	
22,135.0	12,429.5	21,826.9	12,147.5	82.2	76.3	57.05	-9,040.8	99.8	518.4	358.8	159.62	3.248	
22,230.0	12,429.5	21,921.9	12,147.5	82.8	77.0	57.05	-9,135.8	100.4	518.4	357.4	160.99	3.220	
22,325.0	12,429.5	22,016.9	12,147.5	83.4	77.7	57.05	-9,230.8	100.9	518.4	356.1	162.37	3.193	
22,420.0	12,429.5	22,111.9	12,147.5	84.1	78.4	57.05	-9,325.8	101.5	518.4	354.7	163.74	3.166	
22,515.0	12,429.5	22,206.9	12,147.5	84.7	79.1	57.05	-9,420.8	102.1	518.4	353.3	165.12	3.140	
22,610.0	12,429.5	22,301.9	12,147.5	85.4	79.9	57.05	-9,515.8	102.7	518.4	351.9	166.50	3.114	
22,705.0	12,429.5	22,396.9	12,147.5	86.0	80.6	57.05	-9,610.8	103.3	518.4	350.5	167.88	3.088	
22,791.5	12,429.5	22,483.5	12,147.5	86.6	81.2	57.05	-9,697.3	103.8	518.4	349.3	169.13	3.065 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-90.38	-0.2	-30.0	30.0				
95.0	95.0	94.8	94.8	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.00	5.000	
190.0	190.0	189.8	189.8	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.00	4.998	
285.0	285.0	284.8	284.8	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.01	4.994	
380.0	380.0	379.8	379.8	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.02	4.987	
475.0	475.0	474.8	474.8	3.0	3.0	-90.38	-0.2	-30.0	30.0	24.0	6.03	4.978	
570.0	570.0	569.8	569.8	3.1	3.1	-90.38	-0.2	-30.0	30.0	24.0	6.04	4.966	
665.0	665.0	664.8	664.8	3.1	3.1	-90.38	-0.2	-30.0	30.0	23.9	6.06	4.952	
760.0	760.0	759.8	759.8	3.1	3.1	-90.38	-0.2	-30.0	30.0	23.9	6.08	4.936	
855.0	855.0	854.8	854.8	3.2	3.2	-90.38	-0.2	-30.0	30.0	23.9	6.10	4.918	
950.0	950.0	949.8	949.8	3.2	3.2	-90.38	-0.2	-30.0	30.0	23.9	6.13	4.897	
1,045.0	1,045.0	1,044.8	1,044.8	3.3	3.3	-90.38	-0.2	-30.0	30.0	23.8	6.15	4.875	
1,140.0	1,140.0	1,139.8	1,139.8	3.3	3.3	-90.38	-0.2	-30.0	30.0	23.8	6.18	4.851	
1,235.0	1,235.0	1,234.8	1,234.8	3.4	3.4	-90.38	-0.2	-30.0	30.0	23.8	6.22	4.824	
1,330.0	1,330.0	1,329.8	1,329.8	3.4	3.4	-90.38	-0.2	-30.0	30.0	23.7	6.25	4.797	
1,425.0	1,425.0	1,424.8	1,424.8	3.5	3.5	-90.38	-0.2	-30.0	30.0	23.7	6.29	4.767 CC	
1,427.2	1,427.2	1,427.0	1,427.0	3.5	3.5	-109.50	-0.2	-30.0	30.0	23.7	6.29	4.766 ES	
1,520.0	1,520.0	1,519.7	1,519.7	3.6	3.6	-109.52	-0.1	-30.0	30.1	23.7	6.35	4.734 SF	
1,615.0	1,615.0	1,614.0	1,614.0	3.8	3.9	-110.07	1.6	-31.4	32.1	25.6	6.52	4.928	
1,710.0	1,709.8	1,708.2	1,708.1	4.5	4.5	-111.13	5.8	-34.6	37.1	30.2	6.98	5.322	
1,805.0	1,804.4	1,802.2	1,801.6	5.1	5.1	-112.29	12.5	-39.6	45.1	37.6	7.47	6.033	
1,900.0	1,898.7	1,895.7	1,894.4	5.7	5.7	-113.31	21.5	-46.5	56.0	48.0	8.00	6.999	
1,995.0	1,992.8	1,988.8	1,986.4	6.0	6.0	-113.18	32.9	-55.1	69.1	60.7	8.40	8.224	
2,090.0	2,086.9	2,082.8	2,079.1	6.1	6.1	-112.44	45.3	-64.5	82.8	74.1	8.75	9.469	
2,185.0	2,180.9	2,176.8	2,171.9	6.3	6.3	-111.91	57.7	-73.8	96.6	87.4	9.13	10.575	
2,280.0	2,275.0	2,270.8	2,264.6	6.5	6.5	-111.51	70.0	-83.2	110.3	100.8	9.55	11.548	
2,375.0	2,369.1	2,364.8	2,357.3	6.7	6.7	-111.20	82.4	-92.6	124.1	114.1	10.00	12.401	
2,470.0	2,463.2	2,458.8	2,450.0	6.9	6.9	-110.95	94.8	-101.9	137.8	127.3	10.48	13.147	
2,565.0	2,557.2	2,552.8	2,542.7	7.1	7.1	-110.75	107.1	-111.3	151.6	140.6	10.99	13.799	
2,660.0	2,651.3	2,646.8	2,635.4	7.3	7.3	-110.58	119.5	-120.7	165.4	153.8	11.51	14.368	
2,755.0	2,745.4	2,740.8	2,728.1	7.5	7.6	-110.43	131.9	-130.0	179.1	167.1	12.05	14.867	
2,850.0	2,839.5	2,834.8	2,820.8	7.8	7.8	-110.31	144.2	-139.4	192.9	180.3	12.60	15.304	
2,945.0	2,933.5	2,928.8	2,913.5	8.0	8.1	-110.20	156.6	-148.8	206.6	193.5	13.17	15.689	
3,040.0	3,027.6	3,022.8	3,006.2	8.3	8.3	-110.11	169.0	-158.2	220.4	206.7	13.75	16.028	
3,135.0	3,121.7	3,116.8	3,098.9	8.6	8.6	-110.03	181.3	-167.5	234.2	219.8	14.34	16.329	
3,230.0	3,215.8	3,210.8	3,191.6	8.8	8.9	-109.96	193.7	-176.9	247.9	233.0	14.94	16.595	
3,325.0	3,309.8	3,304.8	3,284.3	9.1	9.1	-109.89	206.1	-186.3	261.7	246.2	15.55	16.833	
3,420.0	3,403.9	3,398.8	3,377.0	9.4	9.4	-109.83	218.4	-195.6	275.5	259.3	16.16	17.045	
3,515.0	3,498.0	3,492.7	3,469.8	9.7	9.7	-109.78	230.8	-205.0	289.2	272.4	16.78	17.235	
3,610.0	3,592.1	3,586.7	3,562.5	10.0	10.0	-109.73	243.2	-214.4	303.0	285.6	17.41	17.406	
3,705.0	3,686.1	3,680.7	3,655.2	10.3	10.3	-109.69	255.6	-223.7	316.8	298.7	18.04	17.560	
3,800.0	3,780.2	3,774.7	3,747.9	10.6	10.6	-109.65	267.9	-233.1	330.5	311.9	18.67	17.700	
3,895.0	3,874.3	3,868.7	3,840.6	10.9	10.9	-109.61	280.3	-242.5	344.3	325.0	19.31	17.827	
3,990.0	3,968.4	3,962.7	3,933.3	11.2	11.2	-109.57	292.7	-251.8	358.1	338.1	19.96	17.942	
4,085.0	4,062.4	4,056.7	4,026.0	11.5	11.5	-109.54	305.0	-261.2	371.8	351.2	20.60	18.047	
4,180.0	4,156.5	4,150.7	4,118.7	11.8	11.8	-109.51	317.4	-270.6	385.6	364.3	21.25	18.143	
4,275.0	4,250.6	4,244.7	4,211.4	12.1	12.1	-109.49	329.8	-279.9	399.4	377.5	21.91	18.232	
4,370.0	4,344.7	4,338.7	4,304.1	12.4	12.5	-109.46	342.1	-289.3	413.1	390.6	22.56	18.313	
4,465.0	4,438.7	4,432.7	4,396.8	12.7	12.8	-109.44	354.5	-298.7	426.9	403.7	23.22	18.387	
4,560.0	4,532.8	4,526.7	4,489.5	13.0	13.1	-109.41	366.9	-308.1	440.7	416.8	23.88	18.456	
4,655.0	4,626.9	4,620.7	4,582.2	13.4	13.4	-109.39	379.2	-317.4	454.4	429.9	24.54	18.520	
4,750.0	4,721.0	4,714.7	4,675.0	13.7	13.7	-109.37	391.6	-326.8	468.2	443.0	25.20	18.579	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:									Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,845.0	4,815.0	4,808.7	4,767.7	14.0	14.1	-109.35	404.0	-336.2	482.0	456.1	25.86	18.634	
4,940.0	4,909.1	4,902.7	4,860.4	14.3	14.4	-109.34	416.3	-345.5	495.7	469.2	26.53	18.685	
5,035.0	5,003.2	4,996.7	4,953.1	14.7	14.7	-109.32	428.7	-354.9	509.5	482.3	27.20	18.733	
5,130.0	5,097.3	5,090.7	5,045.8	15.0	15.0	-109.30	441.1	-364.3	523.3	495.4	27.87	18.777	
5,225.0	5,191.3	5,184.7	5,138.5	15.3	15.4	-109.29	453.4	-373.6	537.0	508.5	28.54	18.819	
5,320.0	5,285.4	5,278.7	5,231.2	15.6	15.7	-109.27	465.8	-383.0	550.8	521.6	29.21	18.858	
5,415.0	5,379.5	5,372.7	5,323.9	16.0	16.0	-109.26	478.2	-392.4	564.6	534.7	29.88	18.894	
5,510.0	5,473.6	5,466.7	5,416.6	16.3	16.4	-109.25	490.5	-401.7	578.3	547.8	30.55	18.928	
5,605.0	5,567.6	5,560.7	5,509.3	16.6	16.7	-109.23	502.9	-411.1	592.1	560.9	31.23	18.961	
5,700.0	5,661.7	5,654.7	5,602.0	17.0	17.0	-109.22	515.3	-420.5	605.9	574.0	31.90	18.991	
5,795.0	5,755.8	5,748.7	5,694.7	17.3	17.4	-109.21	527.6	-429.8	619.7	587.1	32.58	19.020	
5,890.0	5,849.9	5,842.7	5,787.4	17.6	17.7	-109.20	540.0	-439.2	633.4	600.2	33.26	19.047	
5,985.0	5,943.9	5,936.7	5,880.2	18.0	18.0	-109.19	552.4	-448.6	647.2	613.3	33.93	19.072	
6,080.0	6,038.0	6,030.7	5,972.9	18.3	18.4	-109.18	564.7	-458.0	661.0	626.3	34.61	19.096	
6,175.0	6,132.1	6,124.7	6,065.6	18.6	18.7	-109.17	577.1	-467.3	674.7	639.4	35.29	19.119	
6,270.0	6,226.2	6,218.7	6,158.3	19.0	19.1	-109.16	589.5	-476.7	688.5	652.5	35.97	19.141	
6,365.0	6,320.2	6,312.7	6,251.0	19.3	19.4	-109.15	601.8	-486.1	702.3	665.6	36.65	19.161	
6,460.0	6,414.3	6,406.7	6,343.7	19.6	19.7	-109.14	614.2	-495.4	716.0	678.7	37.33	19.181	
6,555.0	6,508.4	6,500.7	6,436.4	20.0	20.1	-109.14	626.6	-504.8	729.8	691.8	38.01	19.199	
6,650.0	6,602.5	6,594.6	6,529.1	20.3	20.4	-109.13	639.0	-514.2	743.6	704.9	38.69	19.217	
6,745.0	6,696.5	6,688.6	6,621.8	20.7	20.8	-109.12	651.3	-523.5	757.3	718.0	39.38	19.234	
6,840.0	6,790.6	6,782.6	6,714.5	21.0	21.1	-109.11	663.7	-532.9	771.1	731.0	40.06	19.250	
6,935.0	6,884.7	6,876.6	6,807.2	21.3	21.4	-109.11	676.1	-542.3	784.9	744.1	40.74	19.265	
7,030.0	6,978.8	6,970.6	6,899.9	21.7	21.8	-109.10	688.4	-551.6	798.6	757.2	41.42	19.279	
7,125.0	7,072.8	7,064.6	6,992.6	22.0	22.1	-109.09	700.8	-561.0	812.4	770.3	42.11	19.293	
7,220.0	7,166.9	7,158.6	7,085.4	22.3	22.5	-109.09	713.2	-570.4	826.2	783.4	42.79	19.307	
7,315.0	7,261.0	7,254.4	7,179.8	22.7	22.8	-109.08	725.7	-579.9	839.9	796.4	43.49	19.315	
7,410.0	7,355.1	7,357.6	7,281.8	23.0	23.2	-109.21	738.3	-589.4	852.8	808.6	44.22	19.288	
7,505.0	7,449.5	7,461.1	7,384.4	23.3	23.5	-109.33	749.4	-597.9	864.2	819.2	44.94	19.228	
7,600.0	7,544.0	7,565.0	7,487.6	23.7	23.9	-109.43	759.1	-605.2	874.0	828.3	45.67	19.137	
7,695.0	7,638.7	7,669.2	7,591.2	24.0	24.3	-109.51	767.3	-611.4	882.3	835.9	46.39	19.020	
7,790.0	7,733.4	7,773.6	7,695.2	24.4	24.6	-109.57	774.0	-616.5	889.0	841.9	47.10	18.876	
7,885.0	7,828.3	7,878.1	7,799.6	24.7	25.0	-109.60	779.3	-620.4	894.2	846.4	47.80	18.707	
7,980.0	7,923.3	7,982.8	7,904.2	25.0	25.4	-109.62	783.0	-623.3	897.8	849.3	48.49	18.515	
8,075.0	8,018.2	8,087.6	8,008.9	25.3	25.7	-109.61	785.1	-624.9	899.9	850.7	49.18	18.299	
8,170.0	8,113.2	8,191.7	8,113.0	25.6	26.1	-90.47	785.8	-625.4	900.4	850.6	49.84	18.066	
8,265.0	8,208.2	8,286.7	8,208.0	26.0	26.4	-90.47	785.8	-625.4	900.4	850.0	50.48	17.837	
8,360.0	8,303.2	8,381.7	8,303.0	26.3	26.7	-90.47	785.8	-625.4	900.4	849.3	51.13	17.612	
8,455.0	8,398.2	8,476.7	8,398.0	26.6	27.0	-90.47	785.8	-625.4	900.4	848.7	51.77	17.392	
8,550.0	8,493.2	8,571.7	8,493.0	26.9	27.3	-90.47	785.8	-625.4	900.4	848.0	52.42	17.177	
8,645.0	8,588.2	8,666.7	8,588.0	27.3	27.6	-90.47	785.8	-625.4	900.4	847.4	53.07	16.966	
8,740.0	8,683.2	8,761.7	8,683.0	27.6	27.9	-90.47	785.8	-625.4	900.4	846.7	53.72	16.761	
8,835.0	8,778.2	8,856.7	8,778.0	27.9	28.2	-90.47	785.8	-625.4	900.4	846.1	54.37	16.560	
8,930.0	8,873.2	8,951.7	8,873.0	28.2	28.6	-90.47	785.8	-625.4	900.4	845.4	55.02	16.364	
9,025.0	8,968.2	9,046.7	8,968.0	28.5	28.9	-90.47	785.8	-625.4	900.4	844.8	55.68	16.172	
9,120.0	9,063.2	9,141.7	9,063.0	28.9	29.2	-90.47	785.8	-625.4	900.4	844.1	56.33	15.985	
9,215.0	9,158.2	9,236.7	9,158.0	29.2	29.5	-90.47	785.8	-625.4	900.4	843.4	56.98	15.802	
9,310.0	9,253.2	9,331.7	9,253.0	29.5	29.8	-90.47	785.8	-625.4	900.4	842.8	57.64	15.622	
9,405.0	9,348.2	9,426.7	9,348.0	29.9	30.2	-90.47	785.8	-625.4	900.4	842.1	58.29	15.447	
9,500.0	9,443.2	9,521.7	9,443.0	30.2	30.5	-90.47	785.8	-625.4	900.4	841.5	58.95	15.275	
9,595.0	9,538.2	9,616.7	9,538.0	30.5	30.8	-90.47	785.8	-625.4	900.4	840.8	59.60	15.107	
9,690.0	9,633.2	9,711.7	9,633.0	30.8	31.1	-90.47	785.8	-625.4	900.4	840.2	60.26	14.942	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1500-MWD+IFR1+MS, 11749-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,785.0	9,728.2	9,806.7	9,728.0	31.2	31.4	-90.47	785.8	-625.4	900.4	839.5	60.92	14.781	
9,880.0	9,823.2	9,901.7	9,823.0	31.5	31.7	-90.47	785.8	-625.4	900.4	838.9	61.58	14.623	
9,975.0	9,918.2	9,996.7	9,918.0	31.8	32.1	-90.47	785.8	-625.4	900.4	838.2	62.23	14.468	
10,070.0	10,013.2	10,091.7	10,013.0	32.1	32.4	-90.47	785.8	-625.4	900.4	837.5	62.89	14.317	
10,165.0	10,108.2	10,186.7	10,108.0	32.5	32.7	-90.47	785.8	-625.4	900.4	836.9	63.55	14.168	
10,260.0	10,203.2	10,281.7	10,203.0	32.8	33.0	-90.47	785.8	-625.4	900.4	836.2	64.21	14.023	
10,355.0	10,298.2	10,376.7	10,298.0	33.1	33.4	-90.47	785.8	-625.4	900.4	835.6	64.87	13.880	
10,450.0	10,393.2	10,471.7	10,393.0	33.5	33.7	-90.47	785.8	-625.4	900.4	834.9	65.53	13.740	
10,545.0	10,488.2	10,566.7	10,488.0	33.8	34.0	-90.47	785.8	-625.4	900.4	834.2	66.19	13.603	
10,640.0	10,583.2	10,661.7	10,583.0	34.1	34.3	-90.47	785.8	-625.4	900.4	833.6	66.85	13.468	
10,735.0	10,678.2	10,756.7	10,678.0	34.5	34.7	-90.47	785.8	-625.4	900.4	832.9	67.52	13.336	
10,830.0	10,773.2	10,851.7	10,773.0	34.8	35.0	-90.47	785.8	-625.4	900.4	832.3	68.18	13.207	
10,925.0	10,868.2	10,946.7	10,868.0	35.1	35.3	-90.47	785.8	-625.4	900.4	831.6	68.84	13.080	
11,020.0	10,963.2	11,041.7	10,963.0	35.4	35.6	-90.47	785.8	-625.4	900.4	830.9	69.50	12.955	
11,115.0	11,058.2	11,136.7	11,058.0	35.8	36.0	-90.47	785.8	-625.4	900.4	830.3	70.17	12.833	
11,210.0	11,153.2	11,231.7	11,153.0	36.1	36.3	-90.47	785.8	-625.4	900.4	829.6	70.83	12.712	
11,305.0	11,248.2	11,326.7	11,248.0	36.4	36.6	-90.47	785.8	-625.4	900.4	828.9	71.49	12.594	
11,400.0	11,343.2	11,421.7	11,343.0	36.8	36.9	-90.47	785.8	-625.4	900.4	828.3	72.16	12.479	
11,495.0	11,438.2	11,516.7	11,438.0	37.1	37.3	-90.47	785.8	-625.4	900.4	827.6	72.82	12.365	
11,590.0	11,533.2	11,611.7	11,533.0	37.4	37.6	-90.47	785.8	-625.4	900.4	826.9	73.49	12.253	
11,685.0	11,628.2	11,706.7	11,628.0	37.8	37.9	-90.47	785.8	-625.4	900.4	826.3	74.14	12.145	
11,690.0	11,633.3	11,711.7	11,633.1	37.8	37.9	-90.47	785.8	-625.4	900.4	826.3	74.17	12.141	
11,780.0	11,723.2	11,801.3	11,722.5	38.1	38.0	-90.66	782.9	-625.4	900.4	825.9	74.55	12.078	
11,875.0	11,818.2	11,891.7	11,810.9	38.4	38.0	-91.83	764.5	-625.3	900.8	825.8	74.91	12.025	
11,970.0	11,913.2	11,972.7	11,885.9	38.8	38.1	-93.75	734.1	-625.1	902.4	827.2	75.27	11.989	
12,065.0	12,008.1	12,043.3	11,946.3	38.9	38.1	97.94	697.6	-624.9	907.5	832.1	75.41	12.035	
12,160.0	12,100.7	12,109.7	11,997.6	38.9	38.1	94.73	655.6	-624.6	918.5	843.2	75.27	12.203	
12,255.0	12,187.5	12,175.0	12,041.8	38.9	38.2	91.20	607.7	-624.3	934.6	859.6	75.03	12.456	
12,350.0	12,264.9	12,235.2	12,076.5	39.0	38.2	87.59	558.5	-624.0	954.5	879.8	74.73	12.772	
12,445.0	12,330.0	12,295.4	12,104.7	39.0	38.2	83.97	505.4	-623.7	977.0	902.5	74.45	13.122	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #801H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-MWD+IFR1+MS, 11773-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.3	2.3	3.0	3.0	33.57	45.2	30.0	54.2				
95.0	95.0	97.3	97.3	3.0	3.0	33.57	45.2	30.0	54.2	48.2	6.00	9.041	
190.0	190.0	192.3	192.3	3.0	3.0	33.57	45.2	30.0	54.2	48.2	6.01	9.031	
285.0	285.0	287.3	287.3	3.0	3.0	33.57	45.2	30.0	54.2	48.2	6.02	9.009	
380.0	380.0	382.3	382.3	3.0	3.0	33.57	45.2	30.0	54.2	48.2	6.04	8.974	
475.0	475.0	477.3	477.3	3.0	3.0	33.57	45.2	30.0	54.2	48.2	6.08	8.929	
570.0	570.0	572.3	572.3	3.1	3.1	33.57	45.2	30.0	54.2	48.1	6.11	8.872	
665.0	665.0	667.3	667.3	3.1	3.1	33.57	45.2	30.0	54.2	48.1	6.16	8.805	
760.0	760.0	762.3	762.3	3.1	3.1	33.57	45.2	30.0	54.2	48.0	6.22	8.729	
855.0	855.0	857.3	857.3	3.2	3.2	33.57	45.2	30.0	54.2	48.0	6.28	8.643	
950.0	950.0	952.3	952.3	3.2	3.2	33.57	45.2	30.0	54.2	47.9	6.34	8.550	
1,045.0	1,045.0	1,047.3	1,047.3	3.3	3.3	33.57	45.2	30.0	54.2	47.8	6.42	8.450	
1,140.0	1,140.0	1,142.3	1,142.3	3.3	3.3	33.57	45.2	30.0	54.2	47.7	6.50	8.343	
1,235.0	1,235.0	1,237.3	1,237.3	3.4	3.4	33.57	45.2	30.0	54.2	47.7	6.59	8.231	
1,330.0	1,330.0	1,332.3	1,332.3	3.4	3.4	33.57	45.2	30.0	54.2	47.6	6.69	8.115	
1,425.0	1,425.0	1,427.3	1,427.3	3.5	3.5	33.57	45.2	30.0	54.2	47.5	6.79	7.995	
1,520.0	1,520.0	1,522.3	1,522.3	3.6	3.6	14.47	45.2	30.0	54.2	47.3	6.91	7.838	
1,615.0	1,615.0	1,617.3	1,617.3	3.8	3.6	15.10	45.2	30.0	52.0	44.8	7.26	7.164	
1,710.0	1,709.8	1,712.1	1,712.1	4.5	3.7	16.84	45.2	30.0	46.8	38.8	8.01	5.846	
1,805.0	1,804.4	1,806.0	1,806.0	5.1	3.8	20.58	45.6	30.4	39.3	30.7	8.65	4.545	
1,900.0	1,898.7	1,899.4	1,899.4	5.7	4.0	28.41	48.0	32.7	32.1	22.6	9.47	3.384	
1,995.0	1,992.8	1,993.1	1,992.8	6.0	4.6	40.75	52.5	37.2	27.5	17.5	10.07	2.735	
2,043.7	2,041.0	2,041.3	2,040.8	6.1	4.9	47.57	55.7	40.4	27.0	16.8	10.20	2.643 CC, ES, SF	
2,090.0	2,086.9	2,087.1	2,086.3	6.1	5.2	53.47	59.3	43.9	27.4	17.1	10.30	2.664	
2,185.0	2,180.9	2,181.1	2,179.5	6.3	5.8	61.99	68.3	52.7	31.1	20.6	10.56	2.949	
2,280.0	2,275.0	2,275.2	2,272.3	6.5	6.0	65.48	79.3	63.6	37.6	26.8	10.81	3.480	
2,375.0	2,369.1	2,370.0	2,365.6	6.7	6.2	67.23	91.0	75.2	44.8	33.7	11.09	4.039	
2,470.0	2,463.2	2,464.7	2,458.9	6.9	6.3	68.50	102.8	86.7	52.0	40.6	11.46	4.540	
2,565.0	2,557.2	2,559.4	2,552.2	7.1	6.5	69.46	114.5	98.2	59.3	47.4	11.88	4.989	
2,660.0	2,651.3	2,654.1	2,645.4	7.3	6.7	70.21	126.2	109.8	66.5	54.2	12.33	5.392	
2,755.0	2,745.4	2,748.8	2,738.7	7.5	6.9	70.81	137.9	121.3	73.8	61.0	12.82	5.754	
2,850.0	2,839.5	2,843.6	2,832.0	7.8	7.1	71.30	149.6	132.9	81.0	67.7	13.33	6.079	
2,945.0	2,933.5	2,938.3	2,925.3	8.0	7.4	71.72	161.3	144.4	88.3	74.4	13.86	6.371	
3,040.0	3,027.6	3,033.0	3,018.6	8.3	7.6	72.07	173.1	156.0	95.6	81.2	14.41	6.634	
3,135.0	3,121.7	3,127.7	3,111.9	8.6	7.9	72.37	184.8	167.5	102.9	87.9	14.97	6.871	
3,230.0	3,215.8	3,222.4	3,205.1	8.8	8.1	72.63	196.5	179.0	110.1	94.6	15.55	7.085	
3,325.0	3,309.8	3,317.2	3,298.4	9.1	8.4	72.85	208.2	190.6	117.4	101.3	16.13	7.279	
3,420.0	3,403.9	3,411.9	3,391.7	9.4	8.7	73.06	219.9	202.1	124.7	108.0	16.73	7.455	
3,515.0	3,498.0	3,506.6	3,485.0	9.7	8.9	73.24	231.6	213.7	132.0	114.7	17.33	7.616	
3,610.0	3,592.1	3,601.3	3,578.3	10.0	9.2	73.40	243.3	225.2	139.3	121.3	17.94	7.762	
3,705.0	3,686.1	3,696.0	3,671.5	10.3	9.5	73.54	255.1	236.8	146.6	128.0	18.56	7.896	
3,800.0	3,780.2	3,790.8	3,764.8	10.6	9.8	73.67	266.8	248.3	153.9	134.7	19.19	8.018	
3,895.0	3,874.3	3,885.5	3,858.1	10.9	10.1	73.79	278.5	259.8	161.1	141.3	19.82	8.131	
3,990.0	3,968.4	3,980.2	3,951.4	11.2	10.4	73.90	290.2	271.4	168.4	148.0	20.45	8.235	
4,085.0	4,062.4	4,074.9	4,044.7	11.5	10.7	74.00	301.9	282.9	175.7	154.6	21.09	8.331	
4,180.0	4,156.5	4,169.6	4,137.9	11.8	11.0	74.09	313.6	294.5	183.0	161.3	21.74	8.419	
4,275.0	4,250.6	4,264.4	4,231.2	12.1	11.3	74.18	325.4	306.0	190.3	167.9	22.38	8.502	
4,370.0	4,344.7	4,359.1	4,324.5	12.4	11.7	74.26	337.1	317.6	197.6	174.6	23.03	8.578	
4,465.0	4,438.7	4,453.8	4,417.8	12.7	12.0	74.33	348.8	329.1	204.9	181.2	23.69	8.649	
4,560.0	4,532.8	4,548.5	4,511.1	13.0	12.3	74.40	360.5	340.6	212.2	187.8	24.34	8.716	
4,655.0	4,626.9	4,643.2	4,604.3	13.4	12.6	74.46	372.2	352.2	219.5	194.5	25.00	8.778	
4,750.0	4,721.0	4,737.9	4,697.6	13.7	12.9	74.52	383.9	363.7	226.8	201.1	25.66	8.836	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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	Highside	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,815.0	4,832.7	4,790.9	14.0	13.2	74.57	395.7	375.3	234.1	207.7	26.33	8.890	
4,940.0	4,909.1	4,927.4	4,884.2	14.3	13.6	74.63	407.4	386.8	241.4	214.4	26.99	8.942	
5,035.0	5,003.2	5,022.1	4,977.5	14.7	13.9	74.68	419.1	398.4	248.6	221.0	27.66	8.990	
5,130.0	5,097.3	5,116.8	5,070.7	15.0	14.2	74.72	430.8	409.9	255.9	227.6	28.33	9.035	
5,225.0	5,191.3	5,211.5	5,164.0	15.3	14.6	74.77	442.5	421.4	263.2	234.2	29.00	9.078	
5,320.0	5,285.4	5,306.3	5,257.3	15.6	14.9	74.81	454.2	433.0	270.5	240.9	29.67	9.118	
5,415.0	5,379.5	5,401.0	5,350.6	16.0	15.2	74.85	465.9	444.5	277.8	247.5	30.34	9.156	
5,510.0	5,473.6	5,495.7	5,443.9	16.3	15.5	74.88	477.7	456.1	285.1	254.1	31.02	9.192	
5,605.0	5,567.6	5,590.4	5,537.1	16.6	15.9	74.92	489.4	467.6	292.4	260.7	31.69	9.227	
5,700.0	5,661.7	5,685.1	5,630.4	17.0	16.2	74.95	501.1	479.2	299.7	267.3	32.37	9.259	
5,795.0	5,755.8	5,779.9	5,723.7	17.3	16.5	74.99	512.8	490.7	307.0	274.0	33.05	9.290	
5,890.0	5,849.9	5,874.6	5,817.0	17.6	16.9	75.02	524.5	502.2	314.3	280.6	33.72	9.319	
5,985.0	5,943.9	5,969.3	5,910.3	18.0	17.2	75.05	536.2	513.8	321.6	287.2	34.40	9.347	
6,080.0	6,038.0	6,064.0	6,003.6	18.3	17.6	75.07	548.0	525.3	328.9	293.8	35.08	9.374	
6,175.0	6,132.1	6,158.7	6,096.8	18.6	17.9	75.10	559.7	536.9	336.2	300.4	35.77	9.400	
6,270.0	6,226.2	6,253.5	6,190.1	19.0	18.2	75.13	571.4	548.4	343.5	307.0	36.45	9.424	
6,365.0	6,320.2	6,348.2	6,283.4	19.3	18.6	75.15	583.1	560.0	350.8	313.6	37.13	9.447	
6,460.0	6,414.3	6,442.9	6,376.7	19.6	18.9	75.17	594.8	571.5	358.1	320.3	37.81	9.469	
6,555.0	6,508.4	6,537.6	6,470.0	20.0	19.3	75.20	606.5	583.0	365.4	326.9	38.50	9.491	
6,650.0	6,602.5	6,632.3	6,563.2	20.3	19.6	75.22	618.2	594.6	372.7	333.5	39.18	9.511	
6,745.0	6,696.5	6,727.1	6,656.5	20.7	19.9	75.24	630.0	606.1	379.9	340.1	39.87	9.531	
6,840.0	6,790.6	6,821.8	6,749.8	21.0	20.3	75.26	641.7	617.7	387.2	346.7	40.55	9.549	
6,935.0	6,884.7	6,916.5	6,843.1	21.3	20.6	75.28	653.4	629.2	394.5	353.3	41.24	9.567	
7,030.0	6,978.8	7,011.2	6,936.4	21.7	21.0	75.30	665.1	640.8	401.8	359.9	41.92	9.585	
7,125.0	7,072.8	7,105.9	7,029.6	22.0	21.3	75.31	676.8	652.3	409.1	366.5	42.61	9.601	
7,220.0	7,166.9	7,200.7	7,122.9	22.3	21.6	75.33	688.5	663.8	416.4	373.1	43.30	9.617	
7,315.0	7,261.0	7,295.4	7,216.2	22.7	22.0	75.35	700.3	675.4	423.7	379.7	43.99	9.633	
7,410.0	7,355.1	7,390.1	7,309.5	23.0	22.3	75.35	712.0	686.9	431.2	386.5	44.67	9.653	
7,505.0	7,449.5	7,484.7	7,402.7	23.3	22.7	75.18	723.7	698.5	439.0	393.6	45.36	9.678	
7,600.0	7,544.0	7,579.3	7,495.8	23.7	23.0	74.82	735.4	710.0	447.2	401.2	46.06	9.710	
7,695.0	7,638.7	7,673.8	7,588.9	24.0	23.4	74.30	747.1	721.5	455.9	409.2	46.76	9.750	
7,790.0	7,733.4	7,768.1	7,681.8	24.4	23.7	73.61	758.7	733.0	465.1	417.6	47.47	9.798	
7,885.0	7,828.3	7,862.3	7,774.6	24.7	24.1	72.78	770.4	744.5	474.9	426.7	48.18	9.855	
7,980.0	7,923.3	7,956.4	7,867.1	25.0	24.4	71.82	782.0	755.9	485.2	436.3	48.89	9.924	
8,075.0	8,018.2	8,050.2	7,959.5	25.3	24.7	70.74	793.6	767.4	496.2	446.6	49.60	10.004	
8,170.0	8,113.2	8,149.3	8,057.3	25.6	25.1	88.61	805.4	779.0	507.5	457.2	50.33	10.084	
8,265.0	8,208.2	8,249.8	8,156.6	26.0	25.4	87.44	816.2	789.6	517.9	466.8	51.05	10.144	
8,360.0	8,303.2	8,350.8	8,256.7	26.3	25.8	86.45	825.7	799.0	527.3	475.5	51.77	10.184	
8,455.0	8,398.2	8,452.2	8,357.5	26.6	26.2	85.61	834.0	807.2	535.5	483.0	52.48	10.204	
8,550.0	8,493.2	8,554.0	8,458.8	26.9	26.5	84.92	841.1	814.2	542.5	489.3	53.17	10.203	
8,645.0	8,588.2	8,656.2	8,560.6	27.3	26.9	84.37	846.9	819.9	548.3	494.5	53.85	10.182	
8,740.0	8,683.2	8,758.6	8,662.8	27.6	27.2	83.95	851.4	824.3	552.9	498.4	54.52	10.141	
8,835.0	8,778.2	8,861.2	8,765.3	27.9	27.6	83.65	854.7	827.5	556.1	501.0	55.17	10.080	
8,930.0	8,873.2	8,963.9	8,868.0	28.2	27.9	83.48	856.6	829.4	558.1	502.3	55.81	10.000	
9,025.0	8,968.2	9,066.4	8,970.5	28.5	28.3	83.42	857.2	830.0	558.7	502.3	56.43	9.901	
9,120.0	9,063.2	9,161.4	9,065.5	28.9	28.6	83.42	857.2	830.0	558.7	501.6	57.06	9.792	
9,215.0	9,158.2	9,256.4	9,160.5	29.2	28.9	83.42	857.2	830.0	558.7	501.0	57.69	9.684	
9,310.0	9,253.2	9,351.4	9,255.5	29.5	29.2	83.42	857.2	830.0	558.7	500.4	58.33	9.578	
9,405.0	9,348.2	9,446.4	9,350.5	29.9	29.5	83.42	857.2	830.0	558.7	499.7	58.97	9.475	
9,500.0	9,443.2	9,541.4	9,445.5	30.2	29.8	83.42	857.2	830.0	558.7	499.1	59.60	9.373	
9,595.0	9,538.2	9,636.4	9,540.5	30.5	30.1	83.42	857.2	830.0	558.7	498.4	60.24	9.274	
9,690.0	9,633.2	9,731.4	9,635.5	30.8	30.5	83.42	857.2	830.0	558.7	497.8	60.88	9.176	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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	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	9,728.2	9,826.4	9,730.5	31.2	30.8	83.42	857.2	830.0	558.7	497.2	61.52	9.081	
9,880.0	9,823.2	9,921.4	9,825.5	31.5	31.1	83.42	857.2	830.0	558.7	496.5	62.17	8.987	
9,975.0	9,918.2	10,016.4	9,920.5	31.8	31.4	83.42	857.2	830.0	558.7	495.9	62.81	8.895	
10,070.0	10,013.2	10,111.4	10,015.5	32.1	31.7	83.42	857.2	830.0	558.7	495.2	63.45	8.805	
10,165.0	10,108.2	10,206.4	10,110.5	32.5	32.0	83.42	857.2	830.0	558.7	494.6	64.10	8.716	
10,260.0	10,203.2	10,301.4	10,205.5	32.8	32.4	83.42	857.2	830.0	558.7	493.9	64.74	8.629	
10,355.0	10,298.2	10,396.4	10,300.5	33.1	32.7	83.42	857.2	830.0	558.7	493.3	65.39	8.544	
10,450.0	10,393.2	10,491.4	10,395.5	33.5	33.0	83.42	857.2	830.0	558.7	492.6	66.04	8.460	
10,545.0	10,488.2	10,586.4	10,490.5	33.8	33.3	83.42	857.2	830.0	558.7	492.0	66.68	8.378	
10,640.0	10,583.2	10,681.4	10,585.5	34.1	33.6	83.42	857.2	830.0	558.7	491.3	67.33	8.298	
10,735.0	10,678.2	10,776.4	10,680.5	34.5	34.0	83.42	857.2	830.0	558.7	490.7	67.98	8.218	
10,830.0	10,773.2	10,871.4	10,775.5	34.8	34.3	83.42	857.2	830.0	558.7	490.0	68.63	8.141	
10,925.0	10,868.2	10,966.4	10,870.5	35.1	34.6	83.42	857.2	830.0	558.7	489.4	69.28	8.064	
11,020.0	10,963.2	11,061.4	10,965.5	35.4	34.9	83.42	857.2	830.0	558.7	488.7	69.93	7.989	
11,115.0	11,058.2	11,156.4	11,060.5	35.8	35.2	83.42	857.2	830.0	558.7	488.1	70.58	7.916	
11,210.0	11,153.2	11,251.4	11,155.5	36.1	35.6	83.42	857.2	830.0	558.7	487.4	71.23	7.843	
11,305.0	11,248.2	11,346.4	11,250.5	36.4	35.9	83.42	857.2	830.0	558.7	486.8	71.88	7.772	
11,400.0	11,343.2	11,441.4	11,345.5	36.8	36.2	83.42	857.2	830.0	558.7	486.1	72.54	7.702	
11,495.0	11,438.2	11,536.4	11,440.5	37.1	36.5	83.42	857.2	830.0	558.7	485.5	73.19	7.633	
11,590.0	11,533.2	11,631.4	11,535.5	37.4	36.9	83.42	857.2	830.0	558.7	484.8	73.84	7.566	
11,685.0	11,628.2	11,726.4	11,630.5	37.8	37.1	83.42	857.2	830.0	558.7	484.2	74.45	7.504	
11,687.6	11,630.8	11,729.0	11,633.1	37.8	37.1	83.42	857.2	830.0	558.7	484.2	74.47	7.502	
11,780.0	11,723.2	11,811.6	11,715.7	38.1	37.2	83.58	855.7	830.5	559.1	484.2	74.92	7.463	
11,875.0	11,818.2	11,885.4	11,788.5	38.4	37.2	84.73	844.8	834.3	562.6	487.3	75.29	7.472	
11,970.0	11,913.2	11,954.2	11,854.0	38.8	37.2	86.77	825.2	841.1	570.3	494.7	75.55	7.548	
12,065.0	12,008.1	12,017.0	11,910.6	38.9	37.2	-75.62	799.7	849.9	582.7	507.3	75.49	7.720	
12,160.0	12,100.7	12,075.0	11,959.4	38.9	37.2	-72.14	770.0	860.1	596.8	521.7	75.08	7.949	
12,255.0	12,187.5	12,137.4	12,007.2	38.9	37.2	-69.06	732.2	873.2	610.8	536.2	74.61	8.186	
12,350.0	12,264.9	12,200.0	12,049.5	39.0	37.2	-66.64	688.6	888.2	623.7	549.5	74.15	8.411	
12,445.0	12,330.0	12,250.0	12,078.7	39.0	37.2	-65.01	650.3	901.4	634.6	560.9	73.71	8.610	
12,540.0	12,380.2	12,312.7	12,109.1	39.0	37.3	-63.98	598.5	919.3	643.0	569.5	73.53	8.745	
12,635.0	12,413.5	12,375.0	12,132.0	39.0	37.3	-63.69	543.8	938.2	648.6	575.1	73.57	8.817	
12,730.0	12,428.6	12,425.0	12,144.7	39.1	37.3	-63.95	498.1	954.0	651.3	577.5	73.84	8.820	
12,825.0	12,429.5	12,487.6	12,153.5	39.1	37.4	-64.75	439.5	974.2	653.8	579.5	74.28	8.802	
12,920.0	12,429.5	12,571.2	12,154.8	39.2	37.4	-65.15	360.4	1,001.1	663.2	588.6	74.56	8.894	
13,015.0	12,429.5	12,691.0	12,154.8	39.2	37.6	-65.57	245.8	1,035.9	673.3	598.6	74.72	9.011	
13,110.0	12,429.5	12,811.5	12,154.8	39.3	37.8	-65.95	129.2	1,066.1	682.8	607.9	74.92	9.114	
13,205.0	12,429.5	12,932.6	12,154.8	39.5	38.0	-66.29	10.7	1,091.4	691.5	616.4	75.13	9.204	
13,300.0	12,429.5	13,054.3	12,154.8	39.6	38.2	-66.59	-109.2	1,111.8	699.4	624.1	75.35	9.282	
13,395.0	12,429.5	13,176.5	12,154.8	39.7	38.4	-66.86	-230.5	1,127.1	706.5	631.0	75.58	9.349	
13,490.0	12,429.5	13,299.3	12,154.8	39.8	38.7	-67.10	-352.9	1,137.3	712.7	636.9	75.77	9.405	
13,585.0	12,429.5	13,422.6	12,154.8	39.9	38.9	-67.23	-476.0	1,142.2	715.6	639.7	75.94	9.424	
13,680.0	12,429.5	13,525.8	12,154.8	40.0	39.1	-67.23	-579.2	1,143.1	715.8	639.6	76.20	9.393	
13,775.0	12,429.5	13,620.8	12,154.8	40.2	39.2	-67.23	-674.2	1,143.7	715.8	639.2	76.54	9.352	
13,870.0	12,429.5	13,715.8	12,154.8	40.3	39.4	-67.23	-769.2	1,144.3	715.8	638.9	76.90	9.308	
13,965.0	12,429.5	13,810.8	12,154.8	40.5	39.6	-67.23	-864.2	1,144.8	715.8	638.5	77.29	9.261	
14,060.0	12,429.5	13,905.8	12,154.8	40.6	39.8	-67.23	-959.2	1,145.4	715.8	638.1	77.71	9.211	
14,155.0	12,429.5	14,000.8	12,154.8	40.8	40.0	-67.23	-1,054.2	1,146.0	715.8	637.6	78.15	9.159	
14,250.0	12,429.5	14,095.8	12,154.8	41.0	40.2	-67.23	-1,149.2	1,146.6	715.8	637.2	78.61	9.105	
14,345.0	12,429.5	14,190.8	12,154.8	41.2	40.5	-67.23	-1,244.2	1,147.2	715.8	636.7	79.10	9.049	
14,440.0	12,429.5	14,285.8	12,154.8	41.4	40.7	-67.23	-1,339.2	1,147.7	715.8	636.2	79.62	8.990	
14,535.0	12,429.5	14,380.8	12,154.8	41.7	41.0	-67.23	-1,434.2	1,148.3	715.8	635.6	80.15	8.930	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	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	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
14,630.0	12,429.5	14,475.8	12,154.8	41.9	41.2	-67.23	-1,529.2	1,148.9	715.8	635.1	80.71	8.868	
14,725.0	12,429.5	14,570.8	12,154.8	42.2	41.5	-67.23	-1,624.2	1,149.5	715.8	634.5	81.29	8.805	
14,820.0	12,429.5	14,665.8	12,154.8	42.4	41.8	-67.23	-1,719.2	1,150.1	715.8	633.9	81.90	8.740	
14,915.0	12,429.5	14,760.8	12,154.8	42.7	42.1	-67.23	-1,814.2	1,150.6	715.8	633.3	82.52	8.674	
15,010.0	12,429.5	14,855.8	12,154.8	43.0	42.4	-67.23	-1,909.2	1,151.2	715.8	632.6	83.17	8.606	
15,105.0	12,429.5	14,950.8	12,154.8	43.3	42.7	-67.23	-2,004.2	1,151.8	715.8	631.9	83.83	8.538	
15,200.0	12,429.5	15,045.8	12,154.8	43.6	43.1	-67.23	-2,099.2	1,152.4	715.8	631.3	84.52	8.469	
15,295.0	12,429.5	15,140.8	12,154.8	43.9	43.4	-67.23	-2,194.2	1,153.0	715.8	630.5	85.22	8.399	
15,390.0	12,429.5	15,235.8	12,154.8	44.3	43.7	-67.23	-2,289.2	1,153.5	715.8	629.8	85.95	8.328	
15,485.0	12,429.5	15,330.8	12,154.8	44.6	44.1	-67.23	-2,384.2	1,154.1	715.8	629.1	86.69	8.257	
15,580.0	12,429.5	15,425.8	12,154.8	44.9	44.5	-67.23	-2,479.2	1,154.7	715.8	628.3	87.45	8.185	
15,675.0	12,429.5	15,520.8	12,154.8	45.3	44.8	-67.23	-2,574.2	1,155.3	715.8	627.5	88.23	8.113	
15,770.0	12,429.5	15,615.8	12,154.8	45.7	45.2	-67.23	-2,669.2	1,155.9	715.8	626.7	89.02	8.040	
15,865.0	12,429.5	15,710.8	12,154.8	46.0	45.6	-67.23	-2,764.2	1,156.4	715.8	625.9	89.84	7.967	
15,960.0	12,429.5	15,805.8	12,154.8	46.4	46.0	-67.23	-2,859.2	1,157.0	715.8	625.1	90.66	7.895	
16,055.0	12,429.5	15,900.8	12,154.8	46.8	46.4	-67.23	-2,954.2	1,157.6	715.8	624.3	91.51	7.822	
16,150.0	12,429.5	15,995.8	12,154.8	47.2	46.8	-67.23	-3,049.2	1,158.2	715.8	623.4	92.37	7.749	
16,245.0	12,429.5	16,090.8	12,154.8	47.6	47.3	-67.23	-3,144.2	1,158.7	715.8	622.5	93.24	7.676	
16,340.0	12,429.5	16,185.8	12,154.8	48.1	47.7	-67.23	-3,239.2	1,159.3	715.8	621.6	94.13	7.604	
16,435.0	12,429.5	16,280.8	12,154.8	48.5	48.1	-67.23	-3,334.2	1,159.9	715.8	620.7	95.03	7.532	
16,530.0	12,429.5	16,375.8	12,154.8	48.9	48.6	-67.23	-3,429.2	1,160.5	715.8	619.8	95.95	7.460	
16,625.0	12,429.5	16,470.8	12,154.8	49.4	49.0	-67.23	-3,524.2	1,161.1	715.8	618.9	96.88	7.388	
16,720.0	12,429.5	16,565.8	12,154.8	49.8	49.5	-67.23	-3,619.2	1,161.6	715.8	617.9	97.82	7.317	
16,815.0	12,429.5	16,660.8	12,154.8	50.3	49.9	-67.23	-3,714.2	1,162.2	715.8	617.0	98.78	7.246	
16,910.0	12,429.5	16,755.8	12,154.8	50.7	50.4	-67.23	-3,809.2	1,162.8	715.8	616.0	99.74	7.176	
17,005.0	12,429.5	16,850.8	12,154.8	51.2	50.9	-67.23	-3,904.2	1,163.4	715.8	615.0	100.72	7.106	
17,100.0	12,429.5	16,945.8	12,154.8	51.6	51.4	-67.23	-3,999.2	1,164.0	715.8	614.0	101.71	7.037	
17,195.0	12,429.5	17,040.8	12,154.8	52.1	51.8	-67.23	-4,094.2	1,164.5	715.7	613.0	102.71	6.968	
17,290.0	12,429.5	17,135.8	12,154.8	52.6	52.3	-67.23	-4,189.2	1,165.1	715.7	612.0	103.73	6.900	
17,385.0	12,429.5	17,230.8	12,154.8	53.1	52.8	-67.23	-4,284.2	1,165.7	715.7	611.0	104.75	6.833	
17,480.0	12,429.5	17,325.8	12,154.8	53.6	53.3	-67.23	-4,379.2	1,166.3	715.7	610.0	105.78	6.766	
17,575.0	12,429.5	17,420.8	12,154.8	54.1	53.8	-67.23	-4,474.2	1,166.9	715.7	608.9	106.83	6.700	
17,670.0	12,429.5	17,515.8	12,154.8	54.6	54.4	-67.23	-4,569.2	1,167.4	715.7	607.9	107.88	6.635	
17,765.0	12,429.5	17,610.8	12,154.8	55.1	54.9	-67.23	-4,664.2	1,168.0	715.7	606.8	108.94	6.570	
17,860.0	12,429.5	17,705.8	12,154.8	55.6	55.4	-67.23	-4,759.2	1,168.6	715.7	605.7	110.01	6.506	
17,955.0	12,429.5	17,800.8	12,154.8	56.1	55.9	-67.23	-4,854.2	1,169.2	715.7	604.7	111.09	6.443	
18,050.0	12,429.5	17,895.8	12,154.8	56.7	56.5	-67.23	-4,949.2	1,169.8	715.7	603.6	112.18	6.380	
18,145.0	12,429.5	17,990.8	12,154.8	57.2	57.0	-67.23	-5,044.2	1,170.3	715.7	602.5	113.28	6.319	
18,240.0	12,429.5	18,085.8	12,154.8	57.7	57.5	-67.23	-5,139.1	1,170.9	715.7	601.4	114.38	6.257	
18,335.0	12,429.5	18,180.8	12,154.8	58.3	58.1	-67.23	-5,234.1	1,171.5	715.7	600.2	115.49	6.197	
18,430.0	12,429.5	18,275.8	12,154.8	58.8	58.6	-67.23	-5,329.1	1,172.1	715.7	599.1	116.61	6.138	
18,525.0	12,429.5	18,370.8	12,154.8	59.3	59.2	-67.23	-5,424.1	1,172.7	715.7	598.0	117.74	6.079	
18,620.0	12,429.5	18,465.8	12,154.8	59.9	59.7	-67.23	-5,519.1	1,173.2	715.7	596.9	118.88	6.021	
18,715.0	12,429.5	18,560.8	12,154.8	60.4	60.3	-67.23	-5,614.1	1,173.8	715.7	595.7	120.02	5.964	
18,810.0	12,429.5	18,655.8	12,154.8	61.0	60.9	-67.23	-5,709.1	1,174.4	715.7	594.6	121.17	5.907	
18,905.0	12,429.5	18,750.8	12,154.8	61.6	61.4	-67.23	-5,804.1	1,175.0	715.7	593.4	122.32	5.851	
19,000.0	12,429.5	18,845.8	12,154.8	62.1	62.0	-67.23	-5,899.1	1,175.6	715.7	592.2	123.48	5.796	
19,095.0	12,429.5	18,940.8	12,154.8	62.7	62.6	-67.23	-5,994.1	1,176.1	715.7	591.1	124.65	5.742	
19,190.0	12,429.5	19,035.8	12,154.8	63.3	63.1	-67.23	-6,089.1	1,176.7	715.7	589.9	125.83	5.688	
19,285.0	12,429.5	19,130.8	12,154.8	63.8	63.7	-67.23	-6,184.1	1,177.3	715.7	588.7	127.01	5.635	
19,380.0	12,429.5	19,225.8	12,154.8	64.4	64.3	-67.23	-6,279.1	1,177.9	715.7	587.5	128.19	5.583	
19,475.0	12,429.5	19,320.8	12,154.8	65.0	64.9	-67.23	-6,374.1	1,178.5	715.7	586.3	129.38	5.532	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #801H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-MWD+IFR1+MS, 11773-MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				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	12,429.5	19,415.8	12,154.8	65.6	65.5	-67.23	-6,469.1	1,179.0	715.7	585.1	130.58	5.481	
19,665.0	12,429.5	19,510.8	12,154.8	66.2	66.1	-67.23	-6,564.1	1,179.6	715.7	583.9	131.78	5.431	
19,760.0	12,429.5	19,605.8	12,154.8	66.7	66.7	-67.23	-6,659.1	1,180.2	715.7	582.7	132.99	5.382	
19,855.0	12,429.5	19,700.8	12,154.8	67.3	67.3	-67.23	-6,754.1	1,180.8	715.7	581.5	134.20	5.333	
19,950.0	12,429.5	19,795.8	12,154.8	67.9	67.9	-67.23	-6,849.1	1,181.4	715.7	580.3	135.42	5.285	
20,045.0	12,429.5	19,890.8	12,154.8	68.5	68.5	-67.23	-6,944.1	1,181.9	715.7	579.1	136.64	5.238	
20,140.0	12,429.5	19,985.8	12,154.8	69.1	69.1	-67.23	-7,039.1	1,182.5	715.7	577.9	137.87	5.191	
20,235.0	12,429.5	20,080.8	12,154.8	69.7	69.7	-67.23	-7,134.1	1,183.1	715.7	576.6	139.10	5.145	
20,330.0	12,429.5	20,175.8	12,154.8	70.3	70.3	-67.23	-7,229.1	1,183.7	715.7	575.4	140.33	5.100	
20,425.0	12,429.5	20,270.8	12,154.8	70.9	70.9	-67.23	-7,324.1	1,184.3	715.7	574.1	141.57	5.056	
20,520.0	12,429.5	20,365.8	12,154.8	71.5	71.5	-67.23	-7,419.1	1,184.8	715.7	572.9	142.81	5.012	
20,615.0	12,429.5	20,460.8	12,154.8	72.2	72.1	-67.23	-7,514.1	1,185.4	715.7	571.7	144.06	4.968	
20,710.0	12,429.5	20,555.8	12,154.8	72.8	72.7	-67.23	-7,609.1	1,186.0	715.7	570.4	145.31	4.925	
20,805.0	12,429.5	20,650.8	12,154.8	73.4	73.3	-67.23	-7,704.1	1,186.6	715.7	569.1	146.57	4.883	
20,900.0	12,429.5	20,745.8	12,154.8	74.0	74.0	-67.23	-7,799.1	1,187.2	715.7	567.9	147.83	4.842	
20,995.0	12,429.5	20,840.8	12,154.8	74.6	74.6	-67.23	-7,894.1	1,187.7	715.7	566.6	149.09	4.801	
21,090.0	12,429.5	20,935.8	12,154.8	75.2	75.2	-67.23	-7,989.1	1,188.3	715.7	565.4	150.36	4.760	
21,185.0	12,429.5	21,030.8	12,154.8	75.9	75.8	-67.23	-8,084.1	1,188.9	715.7	564.1	151.63	4.720	
21,280.0	12,429.5	21,125.8	12,154.8	76.5	76.5	-67.23	-8,179.1	1,189.5	715.7	562.8	152.90	4.681	
21,375.0	12,429.5	21,220.8	12,154.8	77.1	77.1	-67.23	-8,274.1	1,190.1	715.7	561.5	154.17	4.642	
21,470.0	12,429.5	21,315.8	12,154.8	77.7	77.7	-67.23	-8,369.1	1,190.6	715.7	560.3	155.45	4.604	
21,565.0	12,429.5	21,410.8	12,154.8	78.4	78.4	-67.23	-8,464.1	1,191.2	715.7	559.0	156.74	4.566	
21,660.0	12,429.5	21,505.8	12,154.8	79.0	79.0	-67.23	-8,559.1	1,191.8	715.7	557.7	158.02	4.529	
21,755.0	12,429.5	21,600.8	12,154.8	79.6	79.6	-67.23	-8,654.1	1,192.4	715.7	556.4	159.31	4.493	
21,850.0	12,429.5	21,695.8	12,154.8	80.3	80.3	-67.23	-8,749.1	1,193.0	715.7	555.1	160.60	4.456	
21,945.0	12,429.5	21,790.8	12,154.8	80.9	80.9	-67.23	-8,844.1	1,193.5	715.7	553.8	161.90	4.421	
22,040.0	12,429.5	21,885.8	12,154.8	81.5	81.6	-67.23	-8,939.1	1,194.1	715.7	552.5	163.19	4.386	
22,135.0	12,429.5	21,980.8	12,154.8	82.2	82.2	-67.23	-9,034.1	1,194.7	715.7	551.2	164.49	4.351	
22,230.0	12,429.5	22,075.8	12,154.8	82.8	82.8	-67.23	-9,129.1	1,195.3	715.7	549.9	165.80	4.317	
22,325.0	12,429.5	22,170.8	12,154.8	83.4	83.5	-67.23	-9,224.1	1,195.9	715.7	548.6	167.10	4.283	
22,420.0	12,429.5	22,265.8	12,154.8	84.1	84.1	-67.23	-9,319.1	1,196.4	715.7	547.3	168.41	4.250	
22,515.0	12,429.5	22,360.8	12,154.8	84.7	84.8	-67.23	-9,414.1	1,197.0	715.7	546.0	169.72	4.217	
22,610.0	12,429.5	22,455.8	12,154.8	85.4	85.4	-67.23	-9,509.1	1,197.6	715.7	544.7	171.03	4.185	
22,705.0	12,429.5	22,550.8	12,154.8	86.0	86.1	-67.23	-9,604.1	1,198.2	715.7	543.4	172.34	4.153	
22,788.9	12,429.5	22,634.7	12,154.8	86.6	86.6	-67.23	-9,687.9	1,198.7	715.7	542.2	173.50	4.125	
22,791.5	12,429.5	22,636.6	12,154.8	86.6	86.7	-67.23	-9,689.9	1,198.7	715.7	542.1	173.55	4.124	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.3	0.3	3.0	3.0	-33.87	44.7	-30.0	53.8				
95.0	95.0	95.3	95.3	3.0	3.0	-33.87	44.7	-30.0	53.8	47.8	6.00	8.972	
190.0	190.0	190.3	190.3	3.0	3.0	-33.87	44.7	-30.0	53.8	47.8	6.01	8.962	
285.0	285.0	285.3	285.3	3.0	3.0	-33.87	44.7	-30.0	53.8	47.8	6.02	8.940	
380.0	380.0	380.3	380.3	3.0	3.0	-33.87	44.7	-30.0	53.8	47.8	6.04	8.906	
475.0	475.0	475.3	475.3	3.0	3.0	-33.87	44.7	-30.0	53.8	47.8	6.08	8.861	
570.0	570.0	570.3	570.3	3.1	3.1	-33.87	44.7	-30.0	53.8	47.7	6.11	8.805	
665.0	665.0	665.3	665.3	3.1	3.1	-33.87	44.7	-30.0	53.8	47.7	6.16	8.739	
760.0	760.0	760.3	760.3	3.1	3.1	-33.87	44.7	-30.0	53.8	47.6	6.21	8.664	
855.0	855.0	855.3	855.3	3.2	3.2	-33.87	44.7	-30.0	53.8	47.6	6.27	8.580	
950.0	950.0	950.3	950.3	3.2	3.2	-33.87	44.7	-30.0	53.8	47.5	6.34	8.488	
1,045.0	1,045.0	1,045.3	1,045.3	3.3	3.3	-33.87	44.7	-30.0	53.8	47.4	6.42	8.388	
1,140.0	1,140.0	1,140.3	1,140.3	3.3	3.3	-33.87	44.7	-30.0	53.8	47.3	6.50	8.283	
1,235.0	1,235.0	1,235.3	1,235.3	3.4	3.4	-33.87	44.7	-30.0	53.8	47.2	6.59	8.172	
1,330.0	1,330.0	1,330.3	1,330.3	3.4	3.4	-33.87	44.7	-30.0	53.8	47.2	6.68	8.057	
1,425.0	1,425.0	1,425.3	1,425.3	3.5	3.5	-33.87	44.7	-30.0	53.8	47.1	6.78	7.938	
1,520.0	1,520.0	1,520.3	1,520.3	3.6	3.6	-53.05	44.7	-30.0	53.8	46.9	6.90	7.796	
1,615.0	1,615.0	1,615.3	1,615.3	3.8	3.6	-55.02	44.7	-30.0	52.5	45.5	6.99	7.506	
1,710.0	1,709.8	1,710.1	1,710.1	4.5	3.7	-60.17	44.7	-30.0	49.6	42.5	7.04	7.041	
1,805.0	1,804.4	1,804.1	1,804.1	5.1	3.8	-68.94	45.2	-30.0	46.3	39.3	6.97	6.640	
1,890.0	1,888.8	1,887.9	1,887.9	5.6	3.8	-78.46	48.0	-30.2	45.2	38.3	6.93	6.518 CC, ES	
1,900.0	1,898.7	1,897.8	1,897.8	5.7	3.9	-79.63	48.5	-30.2	45.2	38.3	6.94	6.515	
1,995.0	1,992.8	1,991.8	1,991.5	6.0	3.9	-88.89	54.9	-30.7	47.0	39.8	7.15	6.567	
2,090.0	2,086.9	2,086.0	2,085.2	6.1	4.0	-93.93	64.3	-31.3	50.8	43.3	7.47	6.801	
2,185.0	2,180.9	2,180.3	2,178.7	6.3	4.1	-95.16	76.9	-32.1	55.8	48.1	7.75	7.203	
2,280.0	2,275.0	2,275.0	2,272.3	6.5	4.2	-94.28	91.6	-33.1	61.5	53.5	8.01	7.685	
2,375.0	2,369.1	2,369.9	2,365.9	6.7	4.2	-93.50	106.4	-34.0	67.3	59.0	8.28	8.120	
2,470.0	2,463.2	2,464.7	2,459.6	6.9	4.3	-92.83	121.2	-35.0	73.0	64.4	8.58	8.511	
2,565.0	2,557.2	2,559.5	2,553.2	7.1	4.4	-92.27	136.0	-36.0	78.8	69.9	8.89	8.861	
2,660.0	2,651.3	2,654.3	2,646.9	7.3	4.5	-91.78	150.8	-37.0	84.5	75.3	9.21	9.176	
2,755.0	2,745.4	2,749.2	2,740.6	7.5	4.6	-91.35	165.6	-37.9	90.3	80.7	9.54	9.458	
2,850.0	2,839.5	2,844.0	2,834.2	7.8	4.7	-90.98	180.4	-38.9	96.0	86.1	9.89	9.711	
2,945.0	2,933.5	2,938.8	2,927.9	8.0	4.8	-90.65	195.2	-39.9	101.8	91.6	10.24	9.939	
3,040.0	3,027.6	3,033.6	3,021.5	8.3	4.9	-90.35	210.0	-40.8	107.6	97.0	10.60	10.144	
3,135.0	3,121.7	3,128.4	3,115.2	8.6	5.0	-90.08	224.8	-41.8	113.3	102.4	10.97	10.329	
3,230.0	3,215.8	3,223.3	3,208.8	8.8	5.1	-89.84	239.5	-42.8	119.1	107.8	11.35	10.496	
3,325.0	3,309.8	3,318.1	3,302.5	9.1	5.2	-89.62	254.3	-43.8	124.9	113.2	11.73	10.647	
3,420.0	3,403.9	3,412.9	3,396.2	9.4	5.2	-89.42	269.1	-44.7	130.7	118.5	12.12	10.783	
3,515.0	3,498.0	3,507.7	3,489.8	9.7	5.3	-89.24	283.9	-45.7	136.4	123.9	12.51	10.907	
3,610.0	3,592.1	3,602.6	3,583.5	10.0	5.4	-89.07	298.7	-46.7	142.2	129.3	12.91	11.019	
3,705.0	3,686.1	3,697.4	3,677.1	10.3	5.5	-88.92	313.5	-47.6	148.0	134.7	13.31	11.120	
3,800.0	3,780.2	3,792.2	3,770.8	10.6	5.7	-88.78	328.3	-48.6	153.8	140.1	13.72	11.213	
3,895.0	3,874.3	3,887.0	3,864.4	10.9	5.8	-88.64	343.1	-49.6	159.6	145.4	14.13	11.296	
3,990.0	3,968.4	3,981.9	3,958.1	11.2	5.9	-88.52	357.9	-50.6	165.4	150.8	14.54	11.373	
4,085.0	4,062.4	4,076.7	4,051.8	11.5	6.0	-88.41	372.7	-51.5	171.1	156.2	14.96	11.442	
4,180.0	4,156.5	4,171.5	4,145.4	11.8	6.1	-88.30	387.5	-52.5	176.9	161.6	15.38	11.505	
4,275.0	4,250.6	4,266.3	4,239.1	12.1	6.2	-88.20	402.3	-53.5	182.7	166.9	15.80	11.562	
4,370.0	4,344.7	4,361.1	4,332.7	12.4	6.3	-88.10	417.1	-54.4	188.5	172.3	16.23	11.615	
4,465.0	4,438.7	4,456.0	4,426.4	12.7	6.4	-88.02	431.9	-55.4	194.3	177.6	16.66	11.662	
4,560.0	4,532.8	4,550.8	4,520.0	13.0	6.5	-87.93	446.7	-56.4	200.1	183.0	17.09	11.706	
4,655.0	4,626.9	4,645.6	4,613.7	13.4	6.6	-87.85	461.5	-57.3	205.9	188.3	17.53	11.745	
4,750.0	4,721.0	4,740.4	4,707.3	13.7	6.7	-87.78	476.3	-58.3	211.7	193.7	17.97	11.781	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS						Rule Assigned:					Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance			Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,845.0	4,815.0	4,835.3	4,801.0	14.0	6.8	-87.71	491.0	-59.3	217.4	199.0	18.41	11.813		
4,940.0	4,909.1	4,930.1	4,894.7	14.3	6.9	-87.64	505.8	-60.3	223.2	204.4	18.85	11.842		
5,035.0	5,003.2	5,024.9	4,988.3	14.7	7.0	-87.58	520.6	-61.2	229.0	209.7	19.30	11.869		
5,130.0	5,097.3	5,119.7	5,082.0	15.0	7.1	-87.52	535.4	-62.2	234.8	215.1	19.74	11.893		
5,225.0	5,191.3	5,214.6	5,175.6	15.3	7.3	-87.46	550.2	-63.2	240.6	220.4	20.19	11.915		
5,320.0	5,285.4	5,309.4	5,269.3	15.6	7.4	-87.40	565.0	-64.1	246.4	225.7	20.65	11.934		
5,415.0	5,379.5	5,404.2	5,362.9	16.0	7.5	-87.35	579.8	-65.1	252.2	231.1	21.10	11.952		
5,510.0	5,473.6	5,499.0	5,456.6	16.3	7.6	-87.30	594.6	-66.1	258.0	236.4	21.56	11.968		
5,605.0	5,567.6	5,593.8	5,550.3	16.6	7.7	-87.25	609.4	-67.1	263.8	241.8	22.01	11.982		
5,700.0	5,661.7	5,688.7	5,643.9	17.0	7.8	-87.21	624.2	-68.0	269.6	247.1	22.47	11.994		
5,795.0	5,755.8	5,783.5	5,737.6	17.3	7.9	-87.16	639.0	-69.0	275.3	252.4	22.94	12.005		
5,890.0	5,849.9	5,878.3	5,831.2	17.6	8.0	-87.12	653.8	-70.0	281.1	257.7	23.40	12.015		
5,985.0	5,943.9	5,973.1	5,924.9	18.0	8.2	-87.08	668.6	-70.9	286.9	263.1	23.87	12.023		
6,080.0	6,038.0	6,068.0	6,018.5	18.3	8.3	-87.04	683.4	-71.9	292.7	268.4	24.33	12.030		
6,175.0	6,132.1	6,162.8	6,112.2	18.6	8.4	-87.01	698.2	-72.9	298.5	273.7	24.80	12.036		
6,270.0	6,226.2	6,257.6	6,205.9	19.0	8.5	-86.97	713.0	-73.8	304.3	279.0	25.27	12.041		
6,365.0	6,320.2	6,352.4	6,299.5	19.3	8.6	-86.94	727.8	-74.8	310.1	284.4	25.74	12.045		
6,460.0	6,414.3	6,448.2	6,394.2	19.6	8.7	-86.93	742.6	-75.8	315.8	289.6	26.22	12.045		
6,555.0	6,508.4	6,545.4	6,490.4	20.0	8.9	-87.14	756.2	-76.7	321.0	294.3	26.70	12.023		
6,650.0	6,602.5	6,642.6	6,586.8	20.3	9.0	-87.60	768.3	-77.5	325.5	298.3	27.17	11.980		
6,745.0	6,696.5	6,739.8	6,683.4	20.7	9.1	-88.32	778.7	-78.2	329.3	301.7	27.63	11.919		
6,840.0	6,790.6	6,836.8	6,780.1	21.0	9.2	-89.27	787.4	-78.7	332.5	304.4	28.08	11.842		
6,935.0	6,884.7	6,933.7	6,876.7	21.3	9.3	-90.46	794.6	-79.2	335.2	306.7	28.52	11.753		
7,030.0	6,978.8	7,030.4	6,973.3	21.7	9.5	-91.89	800.0	-79.6	337.5	308.5	28.96	11.656		
7,125.0	7,072.8	7,126.9	7,069.6	22.0	9.6	-93.56	803.9	-79.8	339.4	310.1	29.37	11.557		
7,220.0	7,166.9	7,223.0	7,165.7	22.3	9.7	-95.45	806.1	-80.0	341.2	311.4	29.77	11.459		
7,315.0	7,261.0	7,318.6	7,261.3	22.7	9.8	-97.57	806.7	-80.0	342.9	312.7	30.18	11.362		
7,410.0	7,355.1	7,412.7	7,355.4	23.0	9.9	-99.65	806.7	-80.0	344.8	314.2	30.57	11.279		
7,505.0	7,449.5	7,507.1	7,449.8	23.3	10.0	-101.47	806.7	-80.0	346.8	315.9	30.97	11.200		
7,600.0	7,544.0	7,601.6	7,544.3	23.7	10.1	-103.03	806.7	-80.0	348.9	317.5	31.36	11.124		
7,695.0	7,638.7	7,696.3	7,639.0	24.0	10.3	-104.32	806.7	-80.0	350.8	319.0	31.76	11.045		
7,790.0	7,733.4	7,791.0	7,733.7	24.4	10.4	-105.34	806.7	-80.0	352.4	320.3	32.15	10.963		
7,885.0	7,828.3	7,885.9	7,828.6	24.7	10.5	-106.11	806.7	-80.0	353.8	321.2	32.53	10.873		
7,980.0	7,923.3	7,980.9	7,923.6	25.0	10.6	-106.63	806.7	-80.0	354.7	321.8	32.91	10.776		
8,075.0	8,018.2	8,075.8	8,018.5	25.3	10.7	-106.90	806.7	-80.0	355.2	321.9	33.29	10.669		
8,170.0	8,113.2	8,170.8	8,113.5	25.6	10.8	-87.82	806.7	-80.0	355.3	321.6	33.65	10.556		
8,265.0	8,208.2	8,265.8	8,208.5	26.0	11.0	-87.82	806.7	-80.0	355.3	321.2	34.02	10.444		
8,360.0	8,303.2	8,360.8	8,303.5	26.3	11.1	-87.82	806.7	-80.0	355.3	320.9	34.38	10.333		
8,455.0	8,398.2	8,455.8	8,398.5	26.6	11.2	-87.82	806.7	-80.0	355.3	320.5	34.75	10.224		
8,550.0	8,493.2	8,550.8	8,493.5	26.9	11.3	-87.82	806.7	-80.0	355.3	320.1	35.12	10.117		
8,645.0	8,588.2	8,645.8	8,588.5	27.3	11.4	-87.82	806.7	-80.0	355.3	319.8	35.48	10.012		
8,740.0	8,683.2	8,740.8	8,683.5	27.6	11.6	-87.82	806.7	-80.0	355.3	319.4	35.85	9.909		
8,835.0	8,778.2	8,835.8	8,778.5	27.9	11.7	-87.82	806.7	-80.0	355.3	319.0	36.22	9.808		
8,930.0	8,873.2	8,930.8	8,873.5	28.2	11.8	-87.82	806.7	-80.0	355.3	318.7	36.59	9.708		
9,025.0	8,968.2	9,025.8	8,968.5	28.5	11.9	-87.82	806.7	-80.0	355.3	318.3	36.96	9.611		
9,120.0	9,063.2	9,120.8	9,063.5	28.9	12.0	-87.82	806.7	-80.0	355.3	317.9	37.34	9.515		
9,215.0	9,158.2	9,215.8	9,158.5	29.2	12.1	-87.82	806.7	-80.0	355.3	317.5	37.71	9.421		
9,310.0	9,253.2	9,310.8	9,253.5	29.5	12.3	-87.82	806.7	-80.0	355.3	317.2	38.08	9.329		
9,405.0	9,348.2	9,405.8	9,348.5	29.9	12.4	-87.82	806.7	-80.0	355.3	316.8	38.45	9.238		
9,500.0	9,443.2	9,500.8	9,443.5	30.2	12.5	-87.82	806.7	-80.0	355.3	316.4	38.83	9.149		
9,595.0	9,538.2	9,595.8	9,538.5	30.5	12.6	-87.82	806.7	-80.0	355.3	316.1	39.20	9.062		
9,690.0	9,633.2	9,690.8	9,633.5	30.8	12.7	-87.82	806.7	-80.0	355.3	315.7	39.58	8.976		

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:				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	9,728.2	9,785.8	9,728.5	31.2	12.9	-87.82	806.7	-80.0	355.3	315.3	39.95	8.892	
9,880.0	9,823.2	9,880.8	9,823.5	31.5	13.0	-87.82	806.7	-80.0	355.3	314.9	40.33	8.809	
9,975.0	9,918.2	9,975.8	9,918.5	31.8	13.1	-87.82	806.7	-80.0	355.3	314.6	40.71	8.727	
10,070.0	10,013.2	10,070.8	10,013.5	32.1	13.2	-87.82	806.7	-80.0	355.3	314.2	41.08	8.647	
10,165.0	10,108.2	10,165.8	10,108.5	32.5	13.3	-87.82	806.7	-80.0	355.3	313.8	41.46	8.569	
10,260.0	10,203.2	10,260.8	10,203.5	32.8	13.5	-87.82	806.7	-80.0	355.3	313.4	41.84	8.491	
10,355.0	10,298.2	10,355.8	10,298.5	33.1	13.6	-87.82	806.7	-80.0	355.3	313.0	42.22	8.415	
10,450.0	10,393.2	10,450.8	10,393.5	33.5	13.7	-87.82	806.7	-80.0	355.3	312.7	42.60	8.340	
10,545.0	10,488.2	10,545.8	10,488.5	33.8	13.8	-87.82	806.7	-80.0	355.3	312.3	42.98	8.267	
10,640.0	10,583.2	10,640.8	10,583.5	34.1	13.9	-87.82	806.7	-80.0	355.3	311.9	43.35	8.194	
10,735.0	10,678.2	10,735.8	10,678.5	34.5	14.1	-87.82	806.7	-80.0	355.3	311.5	43.73	8.123	
10,830.0	10,773.2	10,830.8	10,773.5	34.8	14.2	-87.82	806.7	-80.0	355.3	311.1	44.12	8.053	
10,925.0	10,868.2	10,925.8	10,868.5	35.1	14.3	-87.82	806.7	-80.0	355.3	310.8	44.50	7.984	
11,020.0	10,963.2	11,020.8	10,963.5	35.4	14.4	-87.82	806.7	-80.0	355.3	310.4	44.88	7.916	
11,115.0	11,058.2	11,115.8	11,058.5	35.8	14.6	-87.82	806.7	-80.0	355.3	310.0	45.26	7.849	
11,210.0	11,153.2	11,210.8	11,153.5	36.1	14.7	-87.82	806.7	-80.0	355.3	309.6	45.64	7.784	
11,305.0	11,248.2	11,305.8	11,248.5	36.4	14.8	-87.82	806.7	-80.0	355.3	309.2	46.02	7.719	
11,400.0	11,343.2	11,400.8	11,343.5	36.8	14.9	-87.82	806.7	-80.0	355.3	308.9	46.41	7.655	
11,495.0	11,438.2	11,495.8	11,438.5	37.1	15.0	-87.82	806.7	-80.0	355.3	308.5	46.79	7.593	
11,590.0	11,533.2	11,590.8	11,533.5	37.4	15.2	-87.82	806.7	-80.0	355.3	308.1	47.17	7.531	
11,685.0	11,628.2	11,685.8	11,628.5	37.8	15.3	-87.82	806.7	-80.0	355.3	307.7	47.56	7.470	
11,780.0	11,723.2	11,780.8	11,723.5	38.1	15.4	-87.82	806.7	-80.0	355.3	307.3	47.94	7.410	
11,875.0	11,818.2	11,875.8	11,818.5	38.4	15.5	-87.82	806.7	-80.0	355.3	306.9	48.33	7.351	
11,970.0	11,913.2	11,970.8	11,913.5	38.8	15.6	-87.82	806.7	-80.0	355.3	306.5	48.71	7.293	
11,972.6	11,915.9	11,973.5	11,916.2	38.8	15.6	106.48	806.7	-80.0	355.3	306.5	48.72	7.292	
12,065.0	12,008.1	12,055.7	11,998.4	38.9	15.7	106.36	804.6	-80.7	357.0	308.1	48.90	7.300	
12,160.0	12,100.7	12,133.2	12,074.5	38.9	15.8	105.59	791.7	-85.2	367.7	318.7	48.97	7.509	
12,255.0	12,187.5	12,209.3	12,146.2	38.9	15.8	104.11	767.9	-93.5	387.7	338.6	49.10	7.896	
12,350.0	12,264.9	12,283.6	12,211.5	39.0	15.9	101.95	734.5	-105.2	416.1	366.9	49.25	8.449	
12,445.0	12,330.0	12,355.8	12,268.9	39.0	16.0	99.12	693.3	-119.5	451.9	402.4	49.41	9.146	
12,540.0	12,380.2	12,425.0	12,317.3	39.0	16.1	95.66	646.6	-135.8	493.5	444.0	49.54	9.961	
12,635.0	12,413.5	12,495.0	12,358.3	39.0	16.2	91.83	593.1	-154.5	539.7	490.1	49.63	10.874	
12,730.0	12,428.6	12,563.5	12,390.1	39.1	16.2	87.70	535.8	-174.4	589.0	539.3	49.71	11.848	
12,825.0	12,429.5	12,634.6	12,413.5	39.1	16.3	88.28	472.5	-196.5	639.5	589.7	49.83	12.834	
12,920.0	12,429.5	12,713.1	12,427.5	39.2	16.4	89.78	399.8	-221.9	688.6	638.5	50.03	13.762	
13,015.0	12,429.5	12,808.2	12,429.8	39.2	16.4	90.00	309.9	-252.8	734.8	684.5	50.31	14.606	
13,110.0	12,429.5	12,924.8	12,429.8	39.3	16.5	90.00	198.4	-287.0	775.4	724.6	50.82	15.259	
13,205.0	12,429.5	13,047.4	12,429.8	39.5	16.6	90.00	79.8	-318.1	809.5	758.0	51.54	15.705	
13,300.0	12,429.5	13,175.1	12,429.8	39.6	16.7	90.00	-45.0	-345.1	836.7	784.3	52.37	15.977	
13,395.0	12,429.5	13,307.0	12,429.8	39.7	16.8	90.00	-175.0	-367.0	856.7	803.4	53.28	16.078	
13,490.0	12,429.5	13,441.7	12,429.8	39.8	17.0	90.00	-308.8	-383.3	869.3	815.1	54.22	16.035	
13,585.0	12,429.5	13,577.9	12,429.8	39.9	17.2	90.00	-444.6	-393.3	876.9	821.7	55.19	15.890	
13,680.0	12,429.5	13,714.9	12,429.8	40.0	17.6	90.00	-581.5	-396.9	879.9	823.8	56.19	15.659	
13,775.0	12,429.5	13,817.0	12,429.8	40.2	17.9	90.00	-683.6	-396.3	880.0	823.2	56.84	15.484	
13,870.0	12,429.5	13,912.0	12,429.8	40.3	18.3	90.00	-778.6	-395.7	880.0	822.5	57.49	15.308	
13,965.0	12,429.5	14,007.0	12,429.8	40.5	18.7	90.00	-873.6	-395.2	880.0	821.8	58.17	15.127	
14,060.0	12,429.5	14,102.0	12,429.8	40.6	19.1	90.00	-968.6	-394.6	880.0	821.1	58.88	14.945	
14,155.0	12,429.5	14,197.0	12,429.8	40.8	19.6	90.00	-1,063.6	-394.0	880.0	820.4	59.62	14.760	
14,250.0	12,429.5	14,292.0	12,429.8	41.0	20.1	90.00	-1,158.6	-393.4	880.0	819.6	60.38	14.574	
14,345.0	12,429.5	14,387.0	12,429.8	41.2	20.6	90.00	-1,253.6	-392.8	880.0	818.8	61.16	14.388	
14,440.0	12,429.5	14,482.0	12,429.8	41.4	21.2	90.00	-1,348.6	-392.3	880.0	818.0	61.97	14.201	
14,535.0	12,429.5	14,577.0	12,429.8	41.7	21.7	90.00	-1,443.6	-391.7	880.0	817.2	62.80	14.014	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
14,630.0	12,429.5	14,672.0	12,429.8	41.9	22.3	90.00	-1,538.6	-391.1	880.0	816.4	63.64	13.828	
14,725.0	12,429.5	14,767.0	12,429.8	42.2	22.9	90.00	-1,633.6	-390.5	880.0	815.5	64.51	13.642	
14,820.0	12,429.5	14,862.0	12,429.8	42.4	23.5	90.00	-1,728.6	-389.9	880.0	814.6	65.39	13.458	
14,915.0	12,429.5	14,957.0	12,429.8	42.7	24.1	90.00	-1,823.6	-389.4	880.0	813.7	66.29	13.275	
15,010.0	12,429.5	15,052.0	12,429.8	43.0	24.7	90.00	-1,918.6	-388.8	880.0	812.8	67.21	13.094	
15,105.0	12,429.5	15,147.0	12,429.8	43.3	25.3	90.00	-2,013.6	-388.2	880.0	811.9	68.14	12.915	
15,200.0	12,429.5	15,242.0	12,429.8	43.6	25.9	90.00	-2,108.6	-387.6	880.0	810.9	69.09	12.738	
15,295.0	12,429.5	15,337.0	12,429.8	43.9	26.5	90.00	-2,203.6	-387.0	880.0	810.0	70.05	12.563	
15,390.0	12,429.5	15,432.0	12,429.8	44.3	27.2	90.00	-2,298.6	-386.4	880.0	809.0	71.03	12.390	
15,485.0	12,429.5	15,527.0	12,429.8	44.6	27.8	90.00	-2,393.6	-385.9	880.0	808.0	72.02	12.219	
15,580.0	12,429.5	15,622.0	12,429.8	44.9	28.4	90.00	-2,488.6	-385.3	880.0	807.0	73.02	12.051	
15,675.0	12,429.5	15,717.0	12,429.8	45.3	29.1	90.00	-2,583.6	-384.7	880.0	806.0	74.04	11.886	
15,770.0	12,429.5	15,812.0	12,429.8	45.7	29.7	90.00	-2,678.6	-384.1	880.0	804.9	75.07	11.723	
15,865.0	12,429.5	15,907.0	12,429.8	46.0	30.4	90.00	-2,773.6	-383.5	880.0	803.9	76.11	11.563	
15,960.0	12,429.5	16,002.0	12,429.8	46.4	31.0	90.00	-2,868.6	-383.0	880.0	802.9	77.16	11.405	
16,055.0	12,429.5	16,097.0	12,429.8	46.8	31.7	90.00	-2,963.6	-382.4	880.0	801.8	78.22	11.250	
16,150.0	12,429.5	16,192.0	12,429.8	47.2	32.4	90.00	-3,058.6	-381.8	880.0	800.7	79.29	11.098	
16,245.0	12,429.5	16,287.0	12,429.8	47.6	33.0	90.00	-3,153.6	-381.2	880.0	799.6	80.38	10.949	
16,340.0	12,429.5	16,382.0	12,429.8	48.1	33.7	90.00	-3,248.6	-380.6	880.0	798.5	81.47	10.802	
16,435.0	12,429.5	16,477.0	12,429.8	48.5	34.4	90.00	-3,343.6	-380.1	880.0	797.4	82.57	10.658	
16,530.0	12,429.5	16,572.0	12,429.8	48.9	35.0	90.00	-3,438.6	-379.5	880.0	796.3	83.68	10.516	
16,625.0	12,429.5	16,667.0	12,429.8	49.4	35.7	90.00	-3,533.6	-378.9	880.0	795.2	84.80	10.377	
16,720.0	12,429.5	16,762.0	12,429.8	49.8	36.4	90.00	-3,628.6	-378.3	880.0	794.1	85.93	10.241	
16,815.0	12,429.5	16,857.0	12,429.8	50.3	37.1	90.00	-3,723.6	-377.7	880.0	792.9	87.07	10.107	
16,910.0	12,429.5	16,952.0	12,429.8	50.7	37.7	90.00	-3,818.6	-377.2	880.0	791.8	88.21	9.976	
17,005.0	12,429.5	17,047.0	12,429.8	51.2	38.4	90.00	-3,913.6	-376.6	880.0	790.6	89.37	9.847	
17,100.0	12,429.5	17,142.0	12,429.8	51.6	39.1	90.00	-4,008.6	-376.0	880.0	789.5	90.53	9.721	
17,195.0	12,429.5	17,237.0	12,429.8	52.1	39.8	90.00	-4,103.6	-375.4	880.0	788.3	91.69	9.597	
17,290.0	12,429.5	17,332.0	12,429.8	52.6	40.5	90.00	-4,198.6	-374.8	880.0	787.1	92.87	9.476	
17,385.0	12,429.5	17,427.0	12,429.8	53.1	41.2	90.00	-4,293.6	-374.3	880.0	786.0	94.05	9.357	
17,480.0	12,429.5	17,522.0	12,429.8	53.6	41.9	90.00	-4,388.6	-373.7	880.0	784.8	95.24	9.240	
17,575.0	12,429.5	17,617.0	12,429.8	54.1	42.5	90.00	-4,483.6	-373.1	880.0	783.6	96.43	9.126	
17,670.0	12,429.5	17,712.0	12,429.8	54.6	43.2	90.00	-4,578.6	-372.5	880.0	782.4	97.63	9.014	
17,765.0	12,429.5	17,807.0	12,429.8	55.1	43.9	90.00	-4,673.6	-371.9	880.0	781.2	98.84	8.904	
17,860.0	12,429.5	17,902.0	12,429.8	55.6	44.6	90.00	-4,768.6	-371.3	880.0	780.0	100.05	8.796	
17,955.0	12,429.5	17,997.0	12,429.8	56.1	45.3	90.00	-4,863.6	-370.8	880.0	778.7	101.27	8.690	
18,050.0	12,429.5	18,092.0	12,429.8	56.7	46.0	90.00	-4,958.6	-370.2	880.0	777.5	102.49	8.586	
18,145.0	12,429.5	18,187.0	12,429.8	57.2	46.7	90.00	-5,053.6	-369.6	880.0	776.3	103.72	8.485	
18,240.0	12,429.5	18,282.0	12,429.8	57.7	47.4	90.00	-5,148.6	-369.0	880.0	775.1	104.95	8.385	
18,335.0	12,429.5	18,377.0	12,429.8	58.3	48.1	90.00	-5,243.6	-368.4	880.0	773.8	106.19	8.287	
18,430.0	12,429.5	18,472.0	12,429.8	58.8	48.8	90.00	-5,338.6	-367.9	880.0	772.6	107.43	8.191	
18,525.0	12,429.5	18,567.0	12,429.8	59.3	49.5	90.00	-5,433.6	-367.3	880.0	771.3	108.68	8.097	
18,620.0	12,429.5	18,662.0	12,429.8	59.9	50.2	90.00	-5,528.6	-366.7	880.0	770.1	109.93	8.005	
18,715.0	12,429.5	18,757.0	12,429.8	60.4	50.9	90.00	-5,623.6	-366.1	880.0	768.8	111.19	7.915	
18,810.0	12,429.5	18,852.0	12,429.8	61.0	51.6	90.00	-5,718.6	-365.5	880.0	767.6	112.45	7.826	
18,905.0	12,429.5	18,947.0	12,429.8	61.6	52.3	90.00	-5,813.6	-365.0	880.0	766.3	113.71	7.739	
19,000.0	12,429.5	19,042.0	12,429.8	62.1	53.0	90.00	-5,908.6	-364.4	880.0	765.0	114.98	7.653	
19,095.0	12,429.5	19,137.0	12,429.8	62.7	53.7	90.00	-6,003.6	-363.8	880.0	763.8	116.26	7.570	
19,190.0	12,429.5	19,232.0	12,429.8	63.3	54.4	90.00	-6,098.6	-363.2	880.0	762.5	117.53	7.487	
19,285.0	12,429.5	19,327.0	12,429.8	63.8	55.1	90.00	-6,193.6	-362.6	880.0	761.2	118.81	7.407	
19,380.0	12,429.5	19,422.0	12,429.8	64.4	55.8	90.00	-6,288.6	-362.1	880.0	759.9	120.10	7.328	
19,475.0	12,429.5	19,517.0	12,429.8	65.0	56.5	90.00	-6,383.6	-361.5	880.0	758.6	121.38	7.250	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: HARRIER FEDERAL PROJECT (LEA 2632) - HARRIER FEDERAL COM #802H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 1750-Standard Keeper 104, 12010-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,570.0	12,429.5	19,612.0	12,429.8	65.6	57.2	90.00	-6,478.5	-360.9	880.0	757.3	122.67	7.174	
19,665.0	12,429.5	19,707.0	12,429.8	66.2	57.9	90.00	-6,573.5	-360.3	880.0	756.0	123.97	7.099	
19,760.0	12,429.5	19,802.0	12,429.8	66.7	58.7	90.00	-6,668.5	-359.7	880.0	754.8	125.27	7.025	
19,855.0	12,429.5	19,897.0	12,429.8	67.3	59.4	90.00	-6,763.5	-359.2	880.0	753.5	126.57	6.953	
19,950.0	12,429.5	19,992.0	12,429.8	67.9	60.1	90.00	-6,858.5	-358.6	880.0	752.1	127.87	6.882	
20,045.0	12,429.5	20,087.0	12,429.8	68.5	60.8	90.00	-6,953.5	-358.0	880.0	750.8	129.18	6.813	
20,140.0	12,429.5	20,182.0	12,429.8	69.1	61.5	90.00	-7,048.5	-357.4	880.0	749.5	130.48	6.744	
20,235.0	12,429.5	20,277.0	12,429.8	69.7	62.2	90.00	-7,143.5	-356.8	880.0	748.2	131.80	6.677	
20,330.0	12,429.5	20,372.0	12,429.8	70.3	62.9	90.00	-7,238.5	-356.2	880.0	746.9	133.11	6.611	
20,425.0	12,429.5	20,467.0	12,429.8	70.9	63.6	90.00	-7,333.5	-355.7	880.0	745.6	134.43	6.546	
20,520.0	12,429.5	20,562.0	12,429.8	71.5	64.3	90.00	-7,428.5	-355.1	880.0	744.3	135.75	6.483	
20,615.0	12,429.5	20,657.0	12,429.8	72.2	65.0	90.00	-7,523.5	-354.5	880.0	743.0	137.07	6.420	
20,710.0	12,429.5	20,752.0	12,429.8	72.8	65.7	90.00	-7,618.5	-353.9	880.0	741.6	138.39	6.359	
20,805.0	12,429.5	20,847.0	12,429.8	73.4	66.5	90.00	-7,713.5	-353.3	880.0	740.3	139.72	6.298	
20,900.0	12,429.5	20,942.0	12,429.8	74.0	67.2	90.00	-7,808.5	-352.8	880.0	739.0	141.05	6.239	
20,995.0	12,429.5	21,037.0	12,429.8	74.6	67.9	90.00	-7,903.5	-352.2	880.0	737.6	142.38	6.181	
21,090.0	12,429.5	21,132.0	12,429.8	75.2	68.6	90.00	-7,998.5	-351.6	880.0	736.3	143.71	6.123	
21,185.0	12,429.5	21,227.0	12,429.8	75.9	69.3	90.00	-8,093.5	-351.0	880.0	735.0	145.05	6.067	
21,280.0	12,429.5	21,322.0	12,429.8	76.5	70.0	90.00	-8,188.5	-350.4	880.0	733.6	146.39	6.012	
21,375.0	12,429.5	21,417.0	12,429.8	77.1	70.7	90.00	-8,283.5	-349.9	880.0	732.3	147.73	5.957	
21,470.0	12,429.5	21,512.0	12,429.8	77.7	71.4	90.00	-8,378.5	-349.3	880.0	731.0	149.07	5.903	
21,565.0	12,429.5	21,607.0	12,429.8	78.4	72.2	90.00	-8,473.5	-348.7	880.0	729.6	150.41	5.851	
21,660.0	12,429.5	21,702.0	12,429.8	79.0	72.9	90.00	-8,568.5	-348.1	880.0	728.3	151.76	5.799	
21,755.0	12,429.5	21,797.0	12,429.8	79.6	73.6	90.00	-8,663.5	-347.5	880.0	726.9	153.11	5.748	
21,850.0	12,429.5	21,892.0	12,429.8	80.3	74.3	90.00	-8,758.5	-347.0	880.0	725.6	154.46	5.698	
21,945.0	12,429.5	21,987.0	12,429.8	80.9	75.0	90.00	-8,853.5	-346.4	880.0	724.2	155.81	5.648	
22,040.0	12,429.5	22,082.0	12,429.8	81.5	75.7	90.00	-8,948.5	-345.8	880.0	722.9	157.16	5.600	
22,135.0	12,429.5	22,177.0	12,429.8	82.2	76.4	90.00	-9,043.5	-345.2	880.0	721.5	158.51	5.552	
22,230.0	12,429.5	22,272.0	12,429.8	82.8	77.2	90.00	-9,138.5	-344.6	880.0	720.2	159.87	5.505	
22,325.0	12,429.5	22,367.0	12,429.8	83.4	77.9	90.00	-9,233.5	-344.1	880.0	718.8	161.23	5.458	
22,420.0	12,429.5	22,462.0	12,429.8	84.1	78.6	90.00	-9,328.5	-343.5	880.0	717.4	162.59	5.413	
22,515.0	12,429.5	22,557.0	12,429.8	84.7	79.3	90.00	-9,423.5	-342.9	880.0	716.1	163.95	5.368	
22,610.0	12,429.5	22,652.0	12,429.8	85.4	80.0	90.00	-9,518.5	-342.3	880.0	714.7	165.31	5.324	
22,705.0	12,429.5	22,747.0	12,429.8	86.0	80.7	90.00	-9,613.5	-341.7	880.0	713.4	166.67	5.280	
22,791.5	12,429.5	22,833.5	12,429.8	86.6	81.4	90.00	-9,700.0	-341.2	880.0	712.1	167.91	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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - HARRIER FEDERAL COM #202H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8598-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	1.0	1.0	3.0	4.2	-56.95	450.3	-692.2	825.8				
95.0	95.0	92.4	92.4	3.0	4.2	-56.94	450.6	-692.3	826.0	818.8	7.24	114.044	
190.0	190.0	186.1	186.1	3.0	4.2	-56.90	451.3	-692.3	826.4	819.2	7.25	114.044	
285.0	285.0	280.2	280.1	3.0	4.3	-56.83	452.4	-692.2	826.9	819.6	7.25	113.987	
380.0	380.0	379.8	379.8	3.0	4.3	-56.78	453.2	-692.0	827.2	819.9	7.27	113.844	
475.0	475.0	474.8	474.8	3.0	4.3	-56.73	453.8	-691.6	827.2	819.9	7.28	113.627	
480.6	480.6	480.2	480.1	3.0	4.3	-56.72	453.8	-691.5	827.2	819.9	7.28	113.612	
570.0	570.0	566.0	566.0	3.1	4.3	-56.66	454.7	-691.2	827.4	820.1	7.30	113.373	
665.0	665.0	660.2	660.2	3.1	4.3	-56.62	455.4	-691.3	827.9	820.5	7.32	113.067	
760.0	760.0	753.9	753.9	3.1	4.3	-56.58	456.2	-691.5	828.4	821.1	7.35	112.694	
855.0	855.0	844.4	844.4	3.2	4.4	-56.53	457.4	-691.7	829.3	821.9	7.38	112.306	
950.0	950.0	941.7	941.7	3.2	4.4	-56.49	458.4	-692.4	830.5	823.0	7.43	111.824	
1,045.0	1,045.0	1,035.2	1,035.1	3.3	4.4	-56.47	459.2	-693.1	831.5	824.0	7.47	111.261	
1,140.0	1,140.0	1,131.1	1,131.0	3.3	4.4	-56.45	460.1	-693.9	832.6	825.1	7.53	110.622	
1,235.0	1,235.0	1,223.2	1,223.1	3.4	4.5	-56.42	461.1	-694.5	833.7	826.1	7.58	109.942	
1,330.0	1,330.0	1,319.5	1,319.4	3.4	4.5	-56.40	462.1	-695.5	835.1	827.4	7.65	109.198	
1,425.0	1,425.0	1,413.8	1,413.8	3.5	4.6	-56.36	463.3	-696.2	836.3	828.6	7.71	108.401	
1,520.0	1,520.0	1,505.7	1,505.6	3.6	4.6	-75.43	464.6	-696.9	837.7	829.9	7.80	107.449	
1,615.0	1,615.0	1,596.0	1,595.9	3.8	4.6	-75.51	466.0	-698.1	838.9	831.1	7.85	106.831	
1,710.0	1,709.8	1,693.2	1,693.1	4.5	4.7	-75.83	467.4	-699.4	839.5	831.6	7.93	105.909	
1,805.0	1,804.4	1,811.0	1,810.9	5.1	4.7	-76.50	468.9	-699.9	838.5	830.5	8.04	104.314	
1,900.0	1,898.7	1,906.8	1,906.6	5.7	4.8	-77.27	469.4	-698.5	835.0	826.8	8.14	102.578	
1,995.0	1,992.8	1,996.9	1,996.7	6.0	4.8	-78.04	470.0	-697.4	831.4	823.1	8.29	100.340	
2,090.0	2,086.9	2,088.4	2,088.2	6.1	4.8	-78.83	470.7	-696.6	828.4	819.9	8.48	97.638	
2,185.0	2,180.9	2,181.9	2,181.7	6.3	4.9	-79.65	471.5	-696.0	825.7	817.0	8.71	94.784	
2,280.0	2,275.0	2,274.9	2,274.7	6.5	4.9	-80.47	472.2	-695.4	823.3	814.3	8.96	91.873	
2,375.0	2,369.1	2,370.7	2,370.5	6.7	5.0	-81.33	473.0	-694.9	821.1	811.9	9.23	88.957	
2,470.0	2,463.2	2,464.1	2,463.9	6.9	5.0	-82.17	473.7	-694.4	819.0	809.5	9.51	86.106	
2,565.0	2,557.2	2,556.9	2,556.7	7.1	5.1	-83.01	474.3	-693.9	817.2	807.4	9.81	83.317	
2,660.0	2,651.3	2,651.0	2,650.8	7.3	5.2	-83.89	474.7	-693.7	815.6	805.5	10.12	80.619	
2,755.0	2,745.4	2,745.2	2,745.0	7.5	5.2	-84.80	474.8	-693.7	814.4	803.9	10.44	77.988	
2,850.0	2,839.5	2,837.3	2,837.1	7.8	5.2	-85.70	474.8	-693.8	813.4	802.6	10.78	75.429	
2,945.0	2,933.5	2,932.0	2,931.8	8.0	5.2	-86.63	474.8	-693.9	812.6	801.5	11.13	73.021	
3,040.0	3,027.6	3,029.3	3,029.1	8.3	5.2	-87.60	474.7	-694.0	811.9	800.4	11.47	70.791	
3,135.0	3,121.7	3,128.3	3,128.1	8.6	5.2	-88.58	474.4	-693.6	811.0	799.2	11.80	68.707	
3,230.0	3,215.8	3,228.2	3,227.9	8.8	5.3	-89.55	474.1	-692.3	809.5	797.4	12.15	66.645	
3,325.0	3,309.8	3,328.4	3,328.2	9.1	5.3	-90.53	473.7	-690.4	807.7	795.2	12.50	64.623	
3,420.0	3,403.9	3,423.2	3,422.9	9.4	5.3	-91.44	473.3	-688.2	805.7	792.8	12.86	62.671	
3,515.0	3,498.0	3,521.7	3,521.4	9.7	5.3	-92.37	473.1	-685.4	803.5	790.3	13.22	60.771	
3,610.0	3,592.1	3,606.8	3,606.5	10.0	5.4	-93.17	473.1	-683.0	801.5	788.0	13.59	58.978	
3,639.2	3,621.0	3,627.4	3,627.0	10.1	5.4	-93.37	473.1	-682.7	801.4	787.7	13.70	58.486	
3,705.0	3,686.1	3,687.1	3,686.7	10.3	5.4	-93.96	473.0	-682.4	801.7	787.7	13.96	57.420	
3,800.0	3,780.2	3,780.0	3,779.6	10.6	5.5	-94.87	473.1	-682.3	802.6	788.2	14.34	55.953	
3,895.0	3,874.3	3,876.4	3,876.1	10.9	5.5	-95.84	472.8	-682.3	803.8	789.1	14.73	54.569	
3,990.0	3,968.4	3,977.1	3,976.8	11.2	5.5	-96.85	472.6	-681.9	804.8	789.7	15.12	53.215	
4,085.0	4,062.4	4,080.3	4,079.9	11.5	5.5	-97.89	471.7	-679.9	804.6	789.0	15.53	51.818	
4,180.0	4,156.5	4,180.2	4,179.8	11.8	5.6	-98.91	470.7	-677.5	804.0	788.1	15.93	50.459	
4,275.0	4,250.6	4,290.3	4,289.8	12.1	5.6	-100.07	468.8	-673.2	802.2	785.9	16.35	49.057	
4,370.0	4,344.7	4,384.2	4,383.6	12.4	5.7	-101.09	466.7	-668.5	799.7	782.9	16.77	47.692	
4,459.3	4,433.1	4,456.2	4,455.5	12.7	5.7	-101.88	465.0	-665.6	798.3	781.2	17.15	46.551 CC	
4,465.0	4,438.7	4,459.6	4,458.9	12.7	5.7	-101.92	464.9	-665.5	798.3	781.2	17.17	46.489 ES	
4,560.0	4,532.8	4,530.6	4,529.9	13.0	5.7	-102.70	463.6	-665.2	800.4	782.9	17.56	45.584	

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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: PILEDRIVER & FIGURE FOUR FEDERAL PROJECT - HARRIER FEDERAL COM #202H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8598-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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)			
4,655.0	4,626.9	4,623.9	4,623.1	13.4	5.7	-103.70	462.3	-665.8	803.9	785.9	17.96	44.771	
4,750.0	4,721.0	4,718.9	4,718.1	13.7	5.7	-104.71	461.0	-666.3	807.6	789.2	18.35	43.999	
4,845.0	4,815.0	4,813.8	4,813.1	14.0	5.7	-105.67	460.1	-666.5	811.2	792.5	18.75	43.261	
4,940.0	4,909.1	4,912.6	4,911.7	14.3	5.8	-106.38	463.3	-665.9	814.5	795.4	19.15	42.529	
5,035.0	5,003.2	4,993.1	4,992.2	14.7	5.8	-106.86	467.2	-665.8	818.4	798.9	19.53	41.905	
5,130.0	5,097.3	5,080.5	5,079.4	15.0	5.9	-107.31	472.5	-667.4	824.2	804.3	19.91	41.403	
5,225.0	5,191.3	5,160.1	5,158.7	15.3	5.9	-107.61	478.9	-669.7	831.2	810.9	20.27	41.001	
5,320.0	5,285.4	5,252.7	5,250.7	15.6	6.0	-107.82	488.2	-673.3	839.1	818.5	20.65	40.642	
5,415.0	5,379.5	5,346.0	5,343.5	16.0	6.1	-108.04	497.4	-677.1	847.3	826.3	21.02	40.302	
5,510.0	5,473.6	5,439.0	5,436.0	16.3	6.1	-108.26	506.4	-681.1	855.6	834.2	21.40	39.977	
5,605.0	5,567.6	5,532.9	5,529.5	16.6	6.2	-108.53	515.0	-685.1	864.0	842.2	21.78	39.661	
5,700.0	5,661.7	5,638.8	5,634.9	17.0	6.3	-108.89	523.5	-688.9	871.7	849.5	22.19	39.292	
5,795.0	5,755.8	5,736.1	5,731.9	17.3	6.3	-109.26	530.7	-691.8	878.9	856.3	22.58	38.926	
5,890.0	5,849.9	5,868.8	5,864.1	17.6	6.5	-109.67	541.8	-691.7	882.9	859.9	23.02	38.357	
5,985.0	5,943.9	5,956.8	5,951.7	18.0	6.5	-109.90	549.8	-690.6	886.1	862.7	23.41	37.854	
6,080.0	6,038.0	6,048.0	6,042.4	18.3	6.6	-110.05	559.4	-690.2	890.1	866.3	23.80	37.400	
6,175.0	6,132.1	6,139.4	6,133.3	18.6	6.7	-110.17	569.5	-690.2	894.4	870.2	24.19	36.976	
6,270.0	6,226.2	6,232.0	6,225.4	19.0	6.8	-110.30	579.5	-690.3	898.9	874.4	24.58	36.568	
6,365.0	6,320.2	6,322.6	6,315.4	19.3	6.9	-110.44	589.2	-690.7	903.8	878.8	24.97	36.187	
6,460.0	6,414.3	6,415.8	6,408.1	19.6	6.9	-110.62	598.5	-691.4	908.9	883.5	25.37	35.824	
6,555.0	6,508.4	6,509.2	6,501.1	20.0	7.0	-110.84	607.3	-692.4	914.3	888.5	25.77	35.482	
6,650.0	6,602.5	6,602.3	6,593.9	20.3	7.1	-111.09	615.2	-693.4	919.8	893.7	26.17	35.153	
6,745.0	6,696.5	6,696.0	6,687.3	20.7	7.2	-111.39	622.6	-694.6	925.5	899.0	26.57	34.837	
6,840.0	6,790.6	6,784.2	6,775.3	21.0	7.3	-111.67	629.5	-695.8	931.5	904.5	26.96	34.549	
6,935.0	6,884.7	6,875.0	6,865.7	21.3	7.4	-111.91	637.2	-697.8	938.1	910.8	27.36	34.291	
7,030.0	6,978.8	6,964.3	6,954.6	21.7	7.5	-112.15	644.7	-700.4	945.4	917.6	27.75	34.066	
7,125.0	7,072.8	7,055.4	7,045.4	22.0	7.5	-112.41	652.0	-703.3	953.0	924.9	28.15	33.858	
7,220.0	7,166.9	7,154.2	7,143.5	22.3	7.6	-112.50	663.1	-706.4	960.4	931.9	28.56	33.633	
7,315.0	7,261.0	7,249.5	7,238.1	22.7	7.7	-112.57	674.0	-709.4	967.8	938.8	28.96	33.420	
7,410.0	7,355.1	7,344.8	7,332.9	23.0	7.8	-112.73	683.7	-712.3	975.0	945.6	29.35	33.215	
7,505.0	7,449.5	7,439.9	7,427.5	23.3	7.9	-112.85	692.9	-715.0	981.4	951.6	29.75	32.986	
7,600.0	7,544.0	7,532.8	7,520.0	23.7	8.0	-112.92	701.1	-717.6	987.2	957.1	30.15	32.748	
7,695.0	7,638.7	7,629.0	7,615.8	24.0	8.1	-112.93	709.0	-720.4	992.6	962.0	30.54	32.497	
7,790.0	7,733.4	7,726.4	7,712.9	24.4	8.2	-112.89	716.4	-723.0	997.2	966.2	30.94	32.232 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 #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

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

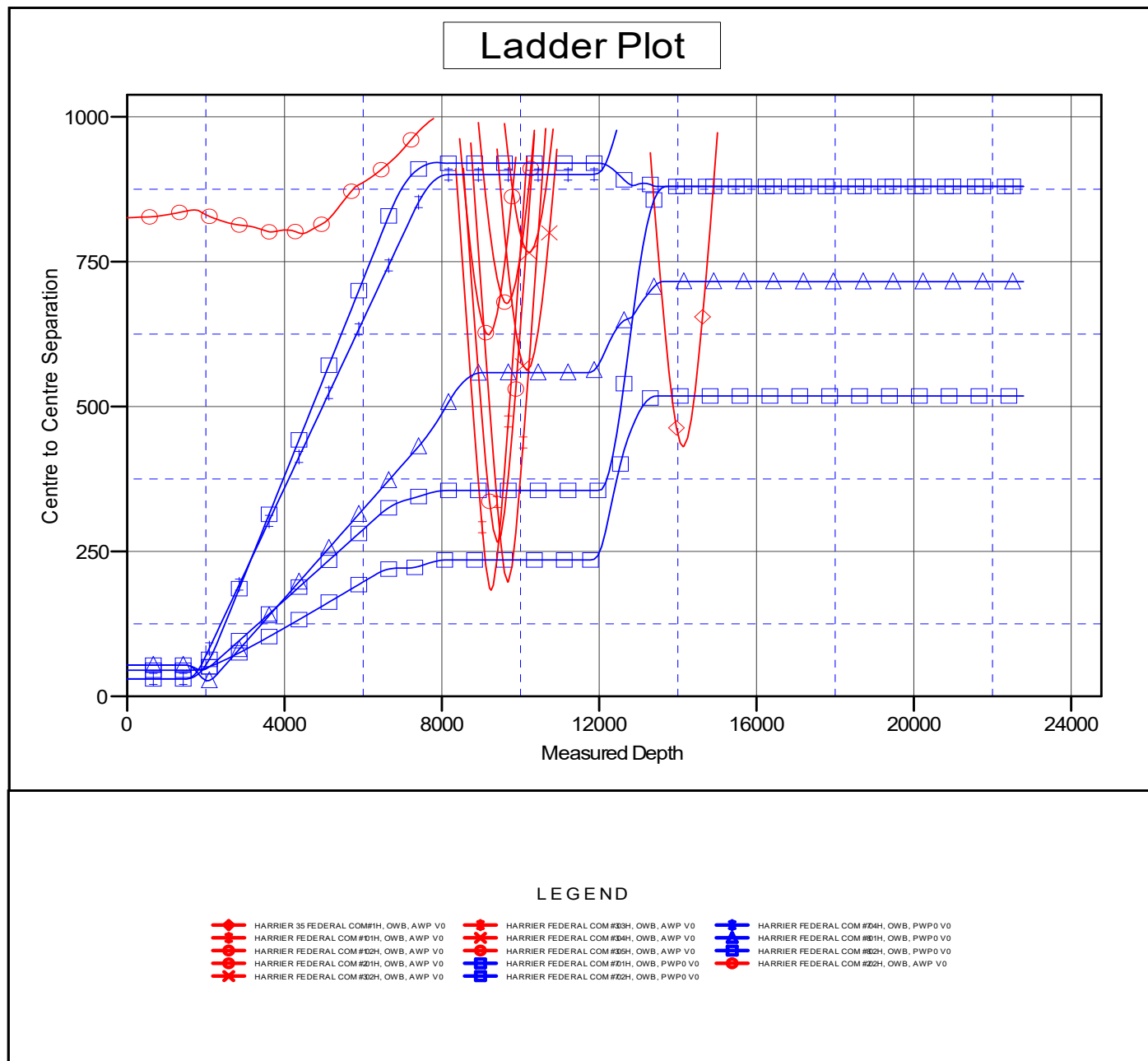
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: HARRIER FEDERAL COM #703H

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

Grid Convergence at Surface is: 0.36°



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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Reference Site:	HARRIER FEDERAL PROJECT (LEA 2632)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

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

Offset Depths are relative to Offset Datum

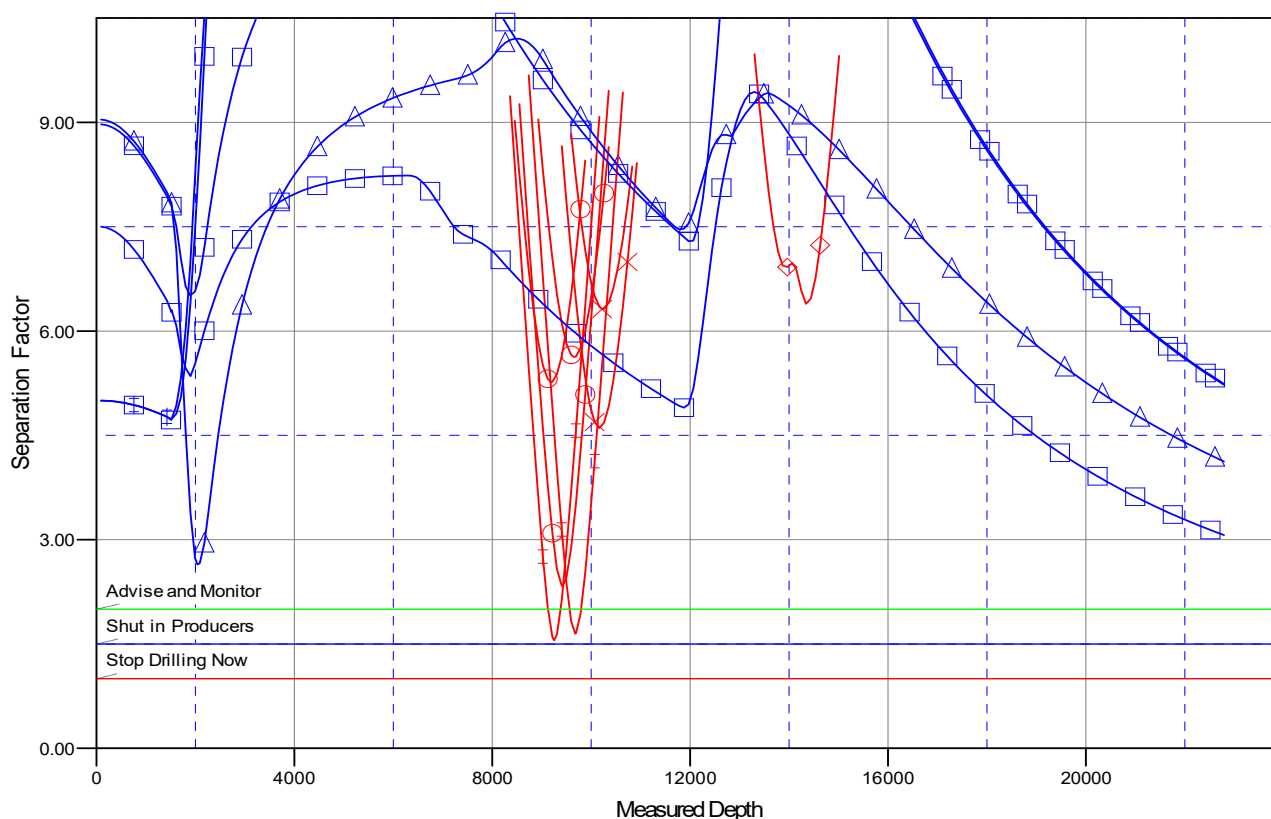
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: HARRIER FEDERAL COM #703H

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 #03H, OWB, AWP V0	HARRIER FEDERAL COM #04H, OWB, PWP0 V0
HARRIER FEDERAL COM #11H, OWB, AWP V0	HARRIER FEDERAL COM #04H, OWB, AWP V0	HARRIER FEDERAL COM #01H, OWB, PWP0 V0
HARRIER FEDERAL COM #12H, OWB, AWP V0	HARRIER FEDERAL COM #05H, OWB, AWP V0	HARRIER FEDERAL COM #02H, OWB, PWP0 V0
HARRIER FEDERAL COM #21H, OWB, AWP V0	HARRIER FEDERAL COM #11H, OWB, PWP0 V0	HARRIER FEDERAL COM #02H, OWB, AWP V0
HARRIER FEDERAL COM #32H, OWB, AWP V0	HARRIER FEDERAL COM #02H, 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 #703H

300254988900

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 #703H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #703H	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 #703H			
Well Position	+N/-S	-891.5 usft	Northing:	397,745.60 usft
	+E/-W	-30,481.7 usft	Easting:	711,405.70 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	
			Latitude:	32° 5' 30.045 N
			Longitude:	103° 39' 2.501 W
			Ground Level:	3,366.5 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	3/1/2023	6.39	59.65	47,397.11602838

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	176.82

Plan Survey Tool Program		Date	7/16/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1	
2	1,500.0	12,008.8 PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-St	
3	12,008.8	22,791.5 PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-St	

ConocoPhillips
Planning Report

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Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #703H	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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	8.00	19.12	1,898.7	26.3	9.1	2.00	2.00	0.00	19.12	
7,330.7	8.00	19.12	7,276.5	740.5	256.7	0.00	0.00	0.00	0.00	
8,130.8	0.00	0.00	8,074.0	793.2	275.0	1.00	-1.00	0.00	180.00	
12,008.8	0.00	0.00	11,952.0	793.2	275.0	0.00	0.00	0.00	0.00	
12,758.8	90.00	165.70	12,429.5	330.5	393.0	12.00	12.00	0.00	165.70	
13,456.5	90.00	179.65	12,429.5	-359.7	481.7	2.00	0.00	2.00	90.00	
22,741.5	90.00	179.65	12,429.5	-9,644.6	538.5	0.00	0.00	0.00	0.00	LTP (HARRIER FED)
22,791.5	90.00	179.65	12,429.5	-9,694.6	538.8	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 #703H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	19.12	1,600.0	1.6	0.6	-1.6	2.00	2.00	0.00
1,700.0	4.00	19.12	1,699.8	6.6	2.3	-6.5	2.00	2.00	0.00
1,800.0	6.00	19.12	1,799.5	14.8	5.1	-14.5	2.00	2.00	0.00
1,900.0	8.00	19.12	1,898.7	26.3	9.1	-25.8	2.00	2.00	0.00
Start 5430.7 hold at 1900.0 MD									
2,000.0	8.00	19.12	1,997.7	39.5	13.7	-38.7	0.00	0.00	0.00
2,100.0	8.00	19.12	2,096.8	52.6	18.3	-51.5	0.00	0.00	0.00
2,200.0	8.00	19.12	2,195.8	65.8	22.8	-64.4	0.00	0.00	0.00
2,300.0	8.00	19.12	2,294.8	78.9	27.4	-77.3	0.00	0.00	0.00
2,400.0	8.00	19.12	2,393.8	92.1	31.9	-90.2	0.00	0.00	0.00
2,500.0	8.00	19.12	2,492.9	105.2	36.5	-103.1	0.00	0.00	0.00
2,600.0	8.00	19.12	2,591.9	118.4	41.0	-115.9	0.00	0.00	0.00
2,700.0	8.00	19.12	2,690.9	131.5	45.6	-128.8	0.00	0.00	0.00
2,800.0	8.00	19.12	2,789.9	144.7	50.2	-141.7	0.00	0.00	0.00
2,900.0	8.00	19.12	2,889.0	157.8	54.7	-154.6	0.00	0.00	0.00
3,000.0	8.00	19.12	2,988.0	171.0	59.3	-167.4	0.00	0.00	0.00
3,100.0	8.00	19.12	3,087.0	184.1	63.8	-180.3	0.00	0.00	0.00
3,200.0	8.00	19.12	3,186.0	197.3	68.4	-193.2	0.00	0.00	0.00
3,300.0	8.00	19.12	3,285.1	210.4	73.0	-206.1	0.00	0.00	0.00
3,400.0	8.00	19.12	3,384.1	223.6	77.5	-219.0	0.00	0.00	0.00
3,500.0	8.00	19.12	3,483.1	236.8	82.1	-231.8	0.00	0.00	0.00
3,600.0	8.00	19.12	3,582.2	249.9	86.6	-244.7	0.00	0.00	0.00
3,700.0	8.00	19.12	3,681.2	263.1	91.2	-257.6	0.00	0.00	0.00
3,800.0	8.00	19.12	3,780.2	276.2	95.8	-270.5	0.00	0.00	0.00
3,900.0	8.00	19.12	3,879.2	289.4	100.3	-283.3	0.00	0.00	0.00
4,000.0	8.00	19.12	3,978.3	302.5	104.9	-296.2	0.00	0.00	0.00
4,100.0	8.00	19.12	4,077.3	315.7	109.4	-309.1	0.00	0.00	0.00
4,200.0	8.00	19.12	4,176.3	328.8	114.0	-322.0	0.00	0.00	0.00
4,300.0	8.00	19.12	4,275.3	342.0	118.6	-334.8	0.00	0.00	0.00
4,400.0	8.00	19.12	4,374.4	355.1	123.1	-347.7	0.00	0.00	0.00
4,500.0	8.00	19.12	4,473.4	368.3	127.7	-360.6	0.00	0.00	0.00
4,600.0	8.00	19.12	4,572.4	381.4	132.2	-373.5	0.00	0.00	0.00
4,700.0	8.00	19.12	4,671.4	394.6	136.8	-386.4	0.00	0.00	0.00
4,800.0	8.00	19.12	4,770.5	407.7	141.4	-399.2	0.00	0.00	0.00
4,900.0	8.00	19.12	4,869.5	420.9	145.9	-412.1	0.00	0.00	0.00
5,000.0	8.00	19.12	4,968.5	434.0	150.5	-425.0	0.00	0.00	0.00
5,100.0	8.00	19.12	5,067.6	447.2	155.0	-437.9	0.00	0.00	0.00

ConocoPhillips

Planning Report

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Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #703H	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)	
5,200.0	8.00	19.12	5,166.6	460.3	159.6	-450.7	0.00	0.00	0.00	
5,300.0	8.00	19.12	5,265.6	473.5	164.1	-463.6	0.00	0.00	0.00	
5,400.0	8.00	19.12	5,364.6	486.6	168.7	-476.5	0.00	0.00	0.00	
5,500.0	8.00	19.12	5,463.7	499.8	173.3	-489.4	0.00	0.00	0.00	
5,600.0	8.00	19.12	5,562.7	512.9	177.8	-502.3	0.00	0.00	0.00	
5,700.0	8.00	19.12	5,661.7	526.1	182.4	-515.1	0.00	0.00	0.00	
5,800.0	8.00	19.12	5,760.7	539.2	186.9	-528.0	0.00	0.00	0.00	
5,900.0	8.00	19.12	5,859.8	552.4	191.5	-540.9	0.00	0.00	0.00	
6,000.0	8.00	19.12	5,958.8	565.5	196.1	-553.8	0.00	0.00	0.00	
6,100.0	8.00	19.12	6,057.8	578.7	200.6	-566.6	0.00	0.00	0.00	
6,200.0	8.00	19.12	6,156.8	591.8	205.2	-579.5	0.00	0.00	0.00	
6,300.0	8.00	19.12	6,255.9	605.0	209.7	-592.4	0.00	0.00	0.00	
6,400.0	8.00	19.12	6,354.9	618.1	214.3	-605.3	0.00	0.00	0.00	
6,500.0	8.00	19.12	6,453.9	631.3	218.9	-618.1	0.00	0.00	0.00	
6,600.0	8.00	19.12	6,553.0	644.4	223.4	-631.0	0.00	0.00	0.00	
6,700.0	8.00	19.12	6,652.0	657.6	228.0	-643.9	0.00	0.00	0.00	
6,800.0	8.00	19.12	6,751.0	670.7	232.5	-656.8	0.00	0.00	0.00	
6,900.0	8.00	19.12	6,850.0	683.9	237.1	-669.7	0.00	0.00	0.00	
7,000.0	8.00	19.12	6,949.1	697.0	241.7	-682.5	0.00	0.00	0.00	
7,100.0	8.00	19.12	7,048.1	710.2	246.2	-695.4	0.00	0.00	0.00	
7,200.0	8.00	19.12	7,147.1	723.3	250.8	-708.3	0.00	0.00	0.00	
7,300.0	8.00	19.12	7,246.1	736.5	255.3	-721.2	0.00	0.00	0.00	
7,330.7	8.00	19.12	7,276.5	740.5	256.7	-725.1	0.00	0.00	0.00	
Start Drop -1.00										
7,400.0	7.31	19.12	7,345.2	749.2	259.8	-733.7	1.00	-1.00	0.00	
7,500.0	6.31	19.12	7,444.5	760.4	263.6	-744.6	1.00	-1.00	0.00	
7,600.0	5.31	19.12	7,544.0	770.0	267.0	-754.0	1.00	-1.00	0.00	
7,700.0	4.31	19.12	7,643.6	777.9	269.7	-761.7	1.00	-1.00	0.00	
7,800.0	3.31	19.12	7,743.4	784.2	271.9	-767.9	1.00	-1.00	0.00	
7,900.0	2.31	19.12	7,843.3	788.8	273.5	-772.4	1.00	-1.00	0.00	
8,000.0	1.31	19.12	7,943.3	791.8	274.5	-775.3	1.00	-1.00	0.00	
8,100.0	0.31	19.12	8,043.2	793.1	275.0	-776.6	1.00	-1.00	0.00	
8,130.8	0.00	0.00	8,074.0	793.2	275.0	-776.7	1.00	-1.00	0.00	
Start 3878.0 hold at 8130.8 MD										
8,200.0	0.00	0.00	8,143.2	793.2	275.0	-776.7	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,243.2	793.2	275.0	-776.7	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,343.2	793.2	275.0	-776.7	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,443.2	793.2	275.0	-776.7	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,543.2	793.2	275.0	-776.7	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,643.2	793.2	275.0	-776.7	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,743.2	793.2	275.0	-776.7	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,843.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,943.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,043.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,143.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,243.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,343.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,443.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,543.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,643.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,743.2	793.2	275.0	-776.7	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,843.2	793.2	275.0	-776.7	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,943.2	793.2	275.0	-776.7	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,043.2	793.2	275.0	-776.7	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #703H	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)
10,200.0	0.00	0.00	10,143.2	793.2	275.0	-776.7	0.00	0.00	0.00
10,300.0	0.00	0.00	10,243.2	793.2	275.0	-776.7	0.00	0.00	0.00
10,400.0	0.00	0.00	10,343.2	793.2	275.0	-776.7	0.00	0.00	0.00
10,500.0	0.00	0.00	10,443.2	793.2	275.0	-776.7	0.00	0.00	0.00
10,600.0	0.00	0.00	10,543.2	793.2	275.0	-776.7	0.00	0.00	0.00
10,700.0	0.00	0.00	10,643.2	793.2	275.0	-776.7	0.00	0.00	0.00
10,800.0	0.00	0.00	10,743.2	793.2	275.0	-776.7	0.00	0.00	0.00
10,900.0	0.00	0.00	10,843.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,000.0	0.00	0.00	10,943.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,100.0	0.00	0.00	11,043.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,200.0	0.00	0.00	11,143.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,300.0	0.00	0.00	11,243.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,400.0	0.00	0.00	11,343.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,500.0	0.00	0.00	11,443.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,600.0	0.00	0.00	11,543.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,700.0	0.00	0.00	11,643.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,800.0	0.00	0.00	11,743.2	793.2	275.0	-776.7	0.00	0.00	0.00
11,900.0	0.00	0.00	11,843.2	793.2	275.0	-776.7	0.00	0.00	0.00
12,008.8	0.00	0.00	11,952.0	793.2	275.0	-776.7	0.00	0.00	0.00
Start Build 12.00									
12,025.0	1.95	165.70	11,968.2	792.9	275.1	-776.4	12.00	12.00	0.00
12,050.0	4.95	165.70	11,993.2	791.5	275.4	-775.0	12.00	12.00	0.00
12,075.0	7.95	165.70	12,018.0	788.8	276.1	-772.2	12.00	12.00	0.00
12,100.0	10.95	165.70	12,042.7	784.8	277.1	-768.2	12.00	12.00	0.00
12,125.0	13.95	165.70	12,067.1	779.6	278.5	-762.9	12.00	12.00	0.00
12,150.0	16.95	165.70	12,091.2	773.1	280.1	-756.4	12.00	12.00	0.00
12,175.0	19.95	165.70	12,114.9	765.4	282.1	-748.6	12.00	12.00	0.00
12,200.0	22.95	165.70	12,138.2	756.6	284.3	-739.6	12.00	12.00	0.00
12,225.0	25.95	165.70	12,160.9	746.6	286.9	-729.5	12.00	12.00	0.00
12,250.0	28.95	165.70	12,183.1	735.4	289.7	-718.2	12.00	12.00	0.00
12,275.0	31.95	165.70	12,204.7	723.1	292.9	-705.8	12.00	12.00	0.00
12,300.0	34.95	165.70	12,225.5	709.8	296.3	-692.2	12.00	12.00	0.00
12,325.0	37.95	165.70	12,245.6	695.4	299.9	-677.7	12.00	12.00	0.00
12,350.0	40.95	165.70	12,264.9	680.0	303.9	-662.1	12.00	12.00	0.00
12,375.0	43.95	165.70	12,283.4	663.7	308.0	-645.5	12.00	12.00	0.00
12,400.0	46.95	165.70	12,300.9	646.4	312.4	-628.1	12.00	12.00	0.00
12,425.0	49.95	165.70	12,317.5	628.3	317.1	-609.7	12.00	12.00	0.00
12,450.0	52.95	165.70	12,333.1	609.3	321.9	-590.5	12.00	12.00	0.00
12,475.0	55.95	165.70	12,347.6	589.6	326.9	-570.6	12.00	12.00	0.00
12,500.0	58.95	165.70	12,361.1	569.2	332.1	-549.9	12.00	12.00	0.00
12,525.0	61.95	165.70	12,373.4	548.1	337.5	-528.6	12.00	12.00	0.00
12,550.0	64.95	165.70	12,384.6	526.5	343.0	-506.6	12.00	12.00	0.00
12,575.0	67.95	165.70	12,394.6	504.3	348.7	-484.1	12.00	12.00	0.00
12,600.0	70.95	165.70	12,403.3	481.6	354.5	-461.2	12.00	12.00	0.00
12,625.0	73.95	165.70	12,410.9	458.5	360.3	-437.8	12.00	12.00	0.00
12,650.0	76.95	165.70	12,417.2	435.0	366.3	-414.0	12.00	12.00	0.00
12,675.0	79.95	165.70	12,422.2	411.3	372.4	-390.0	12.00	12.00	0.00
12,700.0	82.95	165.70	12,425.9	387.4	378.5	-365.8	12.00	12.00	0.00
12,725.0	85.95	165.70	12,428.3	363.3	384.6	-341.4	12.00	12.00	0.00
12,750.0	88.95	165.70	12,429.4	339.1	390.8	-316.8	12.00	12.00	0.00
12,758.8	90.00	165.70	12,429.5	330.5	393.0	-308.2	12.00	12.00	0.00
Start DLS 2.00 TFO 90.00									
12,800.0	90.00	166.52	12,429.5	290.5	402.9	-267.7	2.00	0.00	2.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,900.0	90.00	168.52	12,429.5	192.9	424.5	-169.1	2.00	0.00	2.00
13,000.0	90.00	170.52	12,429.5	94.6	442.7	-69.9	2.00	0.00	2.00
13,100.0	90.00	172.52	12,429.5	-4.3	457.4	29.7	2.00	0.00	2.00
13,200.0	90.00	174.52	12,429.5	-103.7	468.7	129.5	2.00	0.00	2.00
13,300.0	90.00	176.52	12,429.5	-203.4	476.5	229.5	2.00	0.00	2.00
13,400.0	90.00	178.52	12,429.5	-303.3	480.8	329.5	2.00	0.00	2.00
13,456.5	90.00	179.65	12,429.5	-359.7	481.7	385.9	2.00	0.00	2.00
Start 9285.0 hold at 13456.5 MD									
13,500.0	90.00	179.65	12,429.5	-403.3	482.0	429.4	0.00	0.00	0.00
13,600.0	90.00	179.65	12,429.5	-503.3	482.6	529.3	0.00	0.00	0.00
13,700.0	90.00	179.65	12,429.5	-603.3	483.2	629.1	0.00	0.00	0.00
13,800.0	90.00	179.65	12,429.5	-703.3	483.8	729.0	0.00	0.00	0.00
13,900.0	90.00	179.65	12,429.5	-803.3	484.4	828.9	0.00	0.00	0.00
14,000.0	90.00	179.65	12,429.5	-903.3	485.0	928.8	0.00	0.00	0.00
14,100.0	90.00	179.65	12,429.5	-1,003.3	485.7	1,028.7	0.00	0.00	0.00
14,200.0	90.00	179.65	12,429.5	-1,103.3	486.3	1,128.5	0.00	0.00	0.00
14,300.0	90.00	179.65	12,429.5	-1,203.2	486.9	1,228.4	0.00	0.00	0.00
14,400.0	90.00	179.65	12,429.5	-1,303.2	487.5	1,328.3	0.00	0.00	0.00
14,500.0	90.00	179.65	12,429.5	-1,403.2	488.1	1,428.2	0.00	0.00	0.00
14,600.0	90.00	179.65	12,429.5	-1,503.2	488.7	1,528.0	0.00	0.00	0.00
14,700.0	90.00	179.65	12,429.5	-1,603.2	489.3	1,627.9	0.00	0.00	0.00
14,800.0	90.00	179.65	12,429.5	-1,703.2	489.9	1,727.8	0.00	0.00	0.00
14,900.0	90.00	179.65	12,429.5	-1,803.2	490.6	1,827.7	0.00	0.00	0.00
15,000.0	90.00	179.65	12,429.5	-1,903.2	491.2	1,927.6	0.00	0.00	0.00
15,100.0	90.00	179.65	12,429.5	-2,003.2	491.8	2,027.4	0.00	0.00	0.00
15,200.0	90.00	179.65	12,429.5	-2,103.2	492.4	2,127.3	0.00	0.00	0.00
15,300.0	90.00	179.65	12,429.5	-2,203.2	493.0	2,227.2	0.00	0.00	0.00
15,400.0	90.00	179.65	12,429.5	-2,303.2	493.6	2,327.1	0.00	0.00	0.00
15,500.0	90.00	179.65	12,429.5	-2,403.2	494.2	2,426.9	0.00	0.00	0.00
15,600.0	90.00	179.65	12,429.5	-2,503.2	494.8	2,526.8	0.00	0.00	0.00
15,700.0	90.00	179.65	12,429.5	-2,603.2	495.4	2,626.7	0.00	0.00	0.00
15,800.0	90.00	179.65	12,429.5	-2,703.2	496.1	2,726.6	0.00	0.00	0.00
15,900.0	90.00	179.65	12,429.5	-2,803.2	496.7	2,826.5	0.00	0.00	0.00
16,000.0	90.00	179.65	12,429.5	-2,903.2	497.3	2,926.3	0.00	0.00	0.00
16,100.0	90.00	179.65	12,429.5	-3,003.2	497.9	3,026.2	0.00	0.00	0.00
16,200.0	90.00	179.65	12,429.5	-3,103.2	498.5	3,126.1	0.00	0.00	0.00
16,300.0	90.00	179.65	12,429.5	-3,203.2	499.1	3,226.0	0.00	0.00	0.00
16,400.0	90.00	179.65	12,429.5	-3,303.2	499.7	3,325.9	0.00	0.00	0.00
16,500.0	90.00	179.65	12,429.5	-3,403.2	500.3	3,425.7	0.00	0.00	0.00
16,600.0	90.00	179.65	12,429.5	-3,503.2	500.9	3,525.6	0.00	0.00	0.00
16,700.0	90.00	179.65	12,429.5	-3,603.2	501.6	3,625.5	0.00	0.00	0.00
16,800.0	90.00	179.65	12,429.5	-3,703.2	502.2	3,725.4	0.00	0.00	0.00
16,900.0	90.00	179.65	12,429.5	-3,803.2	502.8	3,825.2	0.00	0.00	0.00
17,000.0	90.00	179.65	12,429.5	-3,903.2	503.4	3,925.1	0.00	0.00	0.00
17,100.0	90.00	179.65	12,429.5	-4,003.2	504.0	4,025.0	0.00	0.00	0.00
17,200.0	90.00	179.65	12,429.5	-4,103.2	504.6	4,124.9	0.00	0.00	0.00
17,300.0	90.00	179.65	12,429.5	-4,203.2	505.2	4,224.8	0.00	0.00	0.00
17,400.0	90.00	179.65	12,429.5	-4,303.2	505.8	4,324.6	0.00	0.00	0.00
17,500.0	90.00	179.65	12,429.5	-4,403.2	506.4	4,424.5	0.00	0.00	0.00
17,600.0	90.00	179.65	12,429.5	-4,503.2	507.1	4,524.4	0.00	0.00	0.00
17,700.0	90.00	179.65	12,429.5	-4,603.2	507.7	4,624.3	0.00	0.00	0.00
17,800.0	90.00	179.65	12,429.5	-4,703.2	508.3	4,724.1	0.00	0.00	0.00
17,900.0	90.00	179.65	12,429.5	-4,803.2	508.9	4,824.0	0.00	0.00	0.00
18,000.0	90.00	179.65	12,429.5	-4,903.2	509.5	4,923.9	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #703H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,100.0	90.00	179.65	12,429.5	-5,003.2	510.1	5,023.8	0.00	0.00	0.00
18,200.0	90.00	179.65	12,429.5	-5,103.2	510.7	5,123.7	0.00	0.00	0.00
18,300.0	90.00	179.65	12,429.5	-5,203.2	511.3	5,223.5	0.00	0.00	0.00
18,400.0	90.00	179.65	12,429.5	-5,303.2	512.0	5,323.4	0.00	0.00	0.00
18,500.0	90.00	179.65	12,429.5	-5,403.2	512.6	5,423.3	0.00	0.00	0.00
18,600.0	90.00	179.65	12,429.5	-5,503.2	513.2	5,523.2	0.00	0.00	0.00
18,700.0	90.00	179.65	12,429.5	-5,603.2	513.8	5,623.0	0.00	0.00	0.00
18,800.0	90.00	179.65	12,429.5	-5,703.2	514.4	5,722.9	0.00	0.00	0.00
18,900.0	90.00	179.65	12,429.5	-5,803.2	515.0	5,822.8	0.00	0.00	0.00
19,000.0	90.00	179.65	12,429.5	-5,903.2	515.6	5,922.7	0.00	0.00	0.00
19,100.0	90.00	179.65	12,429.5	-6,003.2	516.2	6,022.6	0.00	0.00	0.00
19,200.0	90.00	179.65	12,429.5	-6,103.2	516.8	6,122.4	0.00	0.00	0.00
19,300.0	90.00	179.65	12,429.5	-6,203.2	517.5	6,222.3	0.00	0.00	0.00
19,400.0	90.00	179.65	12,429.5	-6,303.2	518.1	6,322.2	0.00	0.00	0.00
19,500.0	90.00	179.65	12,429.5	-6,403.2	518.7	6,422.1	0.00	0.00	0.00
19,600.0	90.00	179.65	12,429.5	-6,503.2	519.3	6,521.9	0.00	0.00	0.00
19,700.0	90.00	179.65	12,429.5	-6,603.1	519.9	6,621.8	0.00	0.00	0.00
19,800.0	90.00	179.65	12,429.5	-6,703.1	520.5	6,721.7	0.00	0.00	0.00
19,900.0	90.00	179.65	12,429.5	-6,803.1	521.1	6,821.6	0.00	0.00	0.00
20,000.0	90.00	179.65	12,429.5	-6,903.1	521.7	6,921.5	0.00	0.00	0.00
20,100.0	90.00	179.65	12,429.5	-7,003.1	522.3	7,021.3	0.00	0.00	0.00
20,200.0	90.00	179.65	12,429.5	-7,103.1	523.0	7,121.2	0.00	0.00	0.00
20,300.0	90.00	179.65	12,429.5	-7,203.1	523.6	7,221.1	0.00	0.00	0.00
20,400.0	90.00	179.65	12,429.5	-7,303.1	524.2	7,321.0	0.00	0.00	0.00
20,500.0	90.00	179.65	12,429.5	-7,403.1	524.8	7,420.8	0.00	0.00	0.00
20,600.0	90.00	179.65	12,429.5	-7,503.1	525.4	7,520.7	0.00	0.00	0.00
20,700.0	90.00	179.65	12,429.5	-7,603.1	526.0	7,620.6	0.00	0.00	0.00
20,800.0	90.00	179.65	12,429.5	-7,703.1	526.6	7,720.5	0.00	0.00	0.00
20,900.0	90.00	179.65	12,429.5	-7,803.1	527.2	7,820.4	0.00	0.00	0.00
21,000.0	90.00	179.65	12,429.5	-7,903.1	527.9	7,920.2	0.00	0.00	0.00
21,100.0	90.00	179.65	12,429.5	-8,003.1	528.5	8,020.1	0.00	0.00	0.00
21,200.0	90.00	179.65	12,429.5	-8,103.1	529.1	8,120.0	0.00	0.00	0.00
21,300.0	90.00	179.65	12,429.5	-8,203.1	529.7	8,219.9	0.00	0.00	0.00
21,400.0	90.00	179.65	12,429.5	-8,303.1	530.3	8,319.8	0.00	0.00	0.00
21,500.0	90.00	179.65	12,429.5	-8,403.1	530.9	8,419.6	0.00	0.00	0.00
21,600.0	90.00	179.65	12,429.5	-8,503.1	531.5	8,519.5	0.00	0.00	0.00
21,700.0	90.00	179.65	12,429.5	-8,603.1	532.1	8,619.4	0.00	0.00	0.00
21,800.0	90.00	179.65	12,429.5	-8,703.1	532.7	8,719.3	0.00	0.00	0.00
21,900.0	90.00	179.65	12,429.5	-8,803.1	533.4	8,819.1	0.00	0.00	0.00
22,000.0	90.00	179.65	12,429.5	-8,903.1	534.0	8,919.0	0.00	0.00	0.00
22,100.0	90.00	179.65	12,429.5	-9,003.1	534.6	9,018.9	0.00	0.00	0.00
22,200.0	90.00	179.65	12,429.5	-9,103.1	535.2	9,118.8	0.00	0.00	0.00
22,300.0	90.00	179.65	12,429.5	-9,203.1	535.8	9,218.7	0.00	0.00	0.00
22,400.0	90.00	179.65	12,429.5	-9,303.1	536.4	9,318.5	0.00	0.00	0.00
22,500.0	90.00	179.65	12,429.5	-9,403.1	537.0	9,418.4	0.00	0.00	0.00
22,600.0	90.00	179.65	12,429.5	-9,503.1	537.6	9,518.3	0.00	0.00	0.00
22,700.0	90.00	179.65	12,429.5	-9,603.1	538.2	9,618.2	0.00	0.00	0.00
22,741.5	90.00	179.65	12,429.5	-9,644.6	538.5	9,659.6	0.00	0.00	0.00
Start 50.0 hold at 22741.5 MD									
22,791.5	90.00	179.65	12,429.5	-9,694.6	538.8	9,709.6	0.00	0.00	0.00
TD at 22791.5									

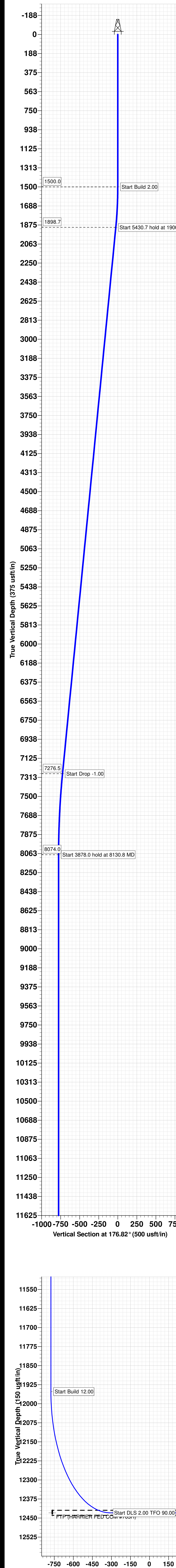
ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well HARRIER FEDERAL COM #703H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Project:	LEA PROSPECT (NM-E)	MD Reference:	*KB 30ft + GL 3366.5ft @ 3396.5usft (TBD)
Site:	HARRIER FEDERAL PROJECT (LEA 2632)	North Reference:	Grid
Well:	HARRIER FEDERAL COM #703H	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)		
FTP (HARRIER FED CC	0.00	0.00	12,429.5	793.2	474.6	398,538.80	711,880.30	32° 5' 37.865 N	103° 38' 56.926 W
- plan misses target center by 253.5usft at 12408.8usft MD (12306.9 TVD, 640.1 N, 314.0 E)									
- Point									
LTP (HARRIER FED CC	0.00	0.01	12,429.5	-9,644.6	538.5	388,101.00	711,944.20	32° 3' 54.569 N	103° 38' 56.953 W
- plan hits target center									
- Point									
PBHL (HARRIER FED C	0.00	359.65	12,429.5	-9,694.6	538.8	388,051.00	711,944.50	32° 3' 54.075 N	103° 38' 56.953 W
- plan hits target center									
- Rectangle (sides W100.0 H10,488.0 D20.0)									

Plan Annotations				
Measured	Vertical	Local Coordinates		
Depth	Depth	+N/-S	+E/-W	Comment
(usft)	(usft)	(usft)	(usft)	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00
1,900.0	1,898.7	26.3	9.1	Start 5430.7 hold at 1900.0 MD
7,330.7	7,276.5	740.5	256.7	Start Drop -1.00
8,130.8	8,074.0	793.2	275.0	Start 3878.0 hold at 8130.8 MD
12,008.8	11,952.0	793.2	275.0	Start Build 12.00
12,758.8	12,429.5	330.5	393.0	Start DLS 2.00 TFO 90.00
13,456.5	12,429.5	-359.7	481.7	Start 9285.0 hold at 13456.5 MD
22,741.5	12,429.5	-9,644.6	538.5	Start 50.0 hold at 22741.5 MD
22,791.5	12,429.5	-9,694.6	538.8	TD at 22791.5

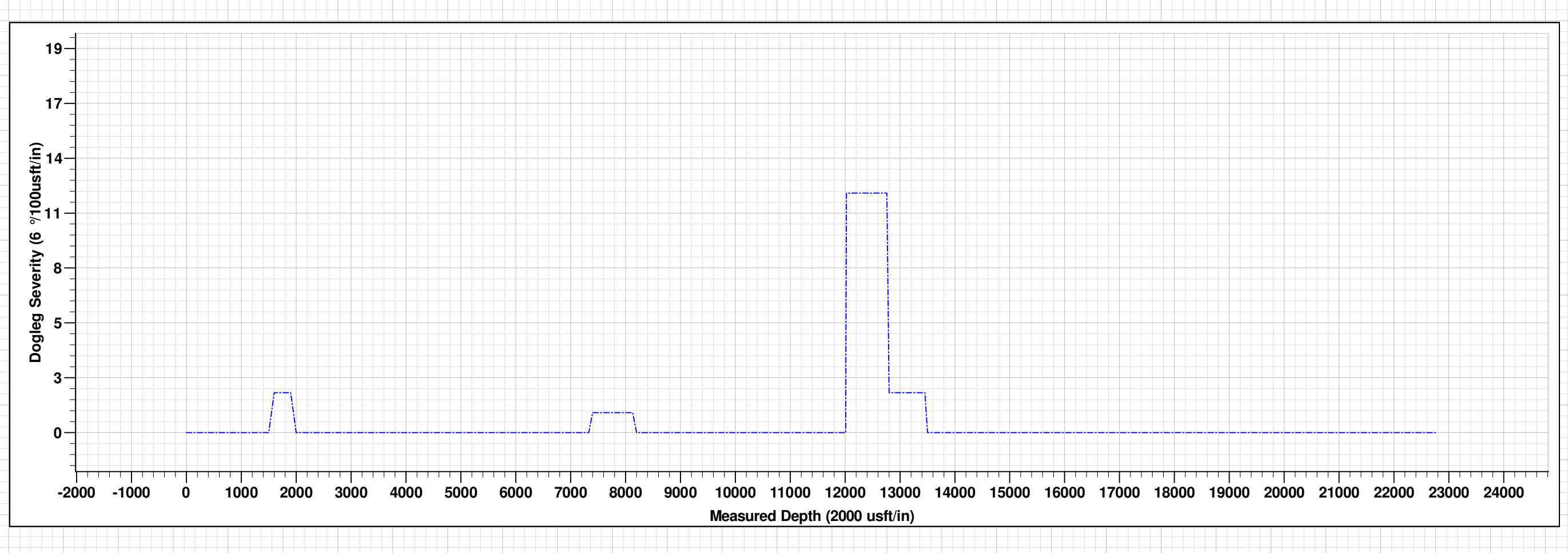
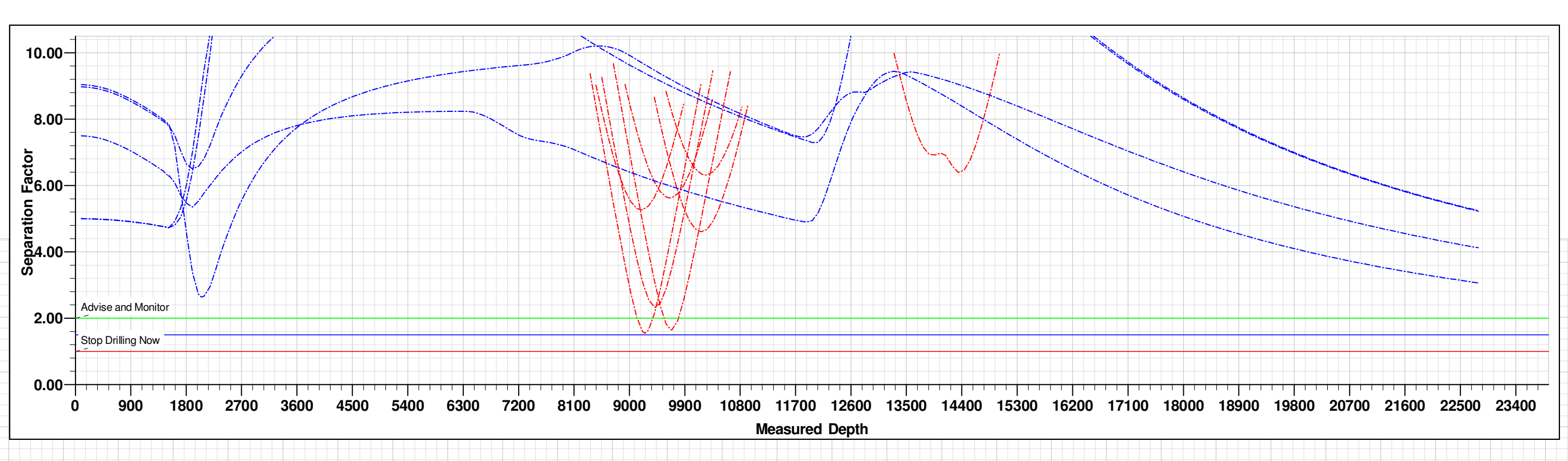


Azimuths to Grid North
True North: -0.36°
Magnetic North: 6.02°

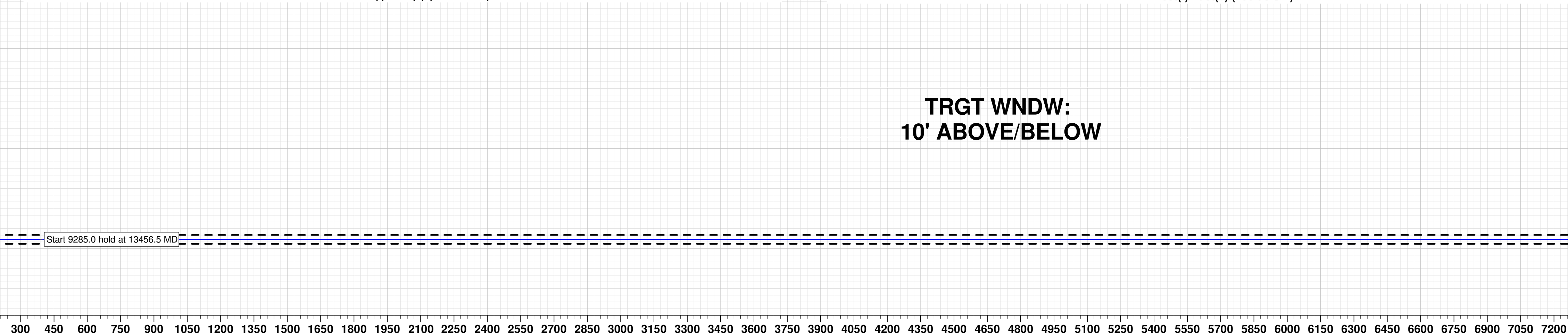
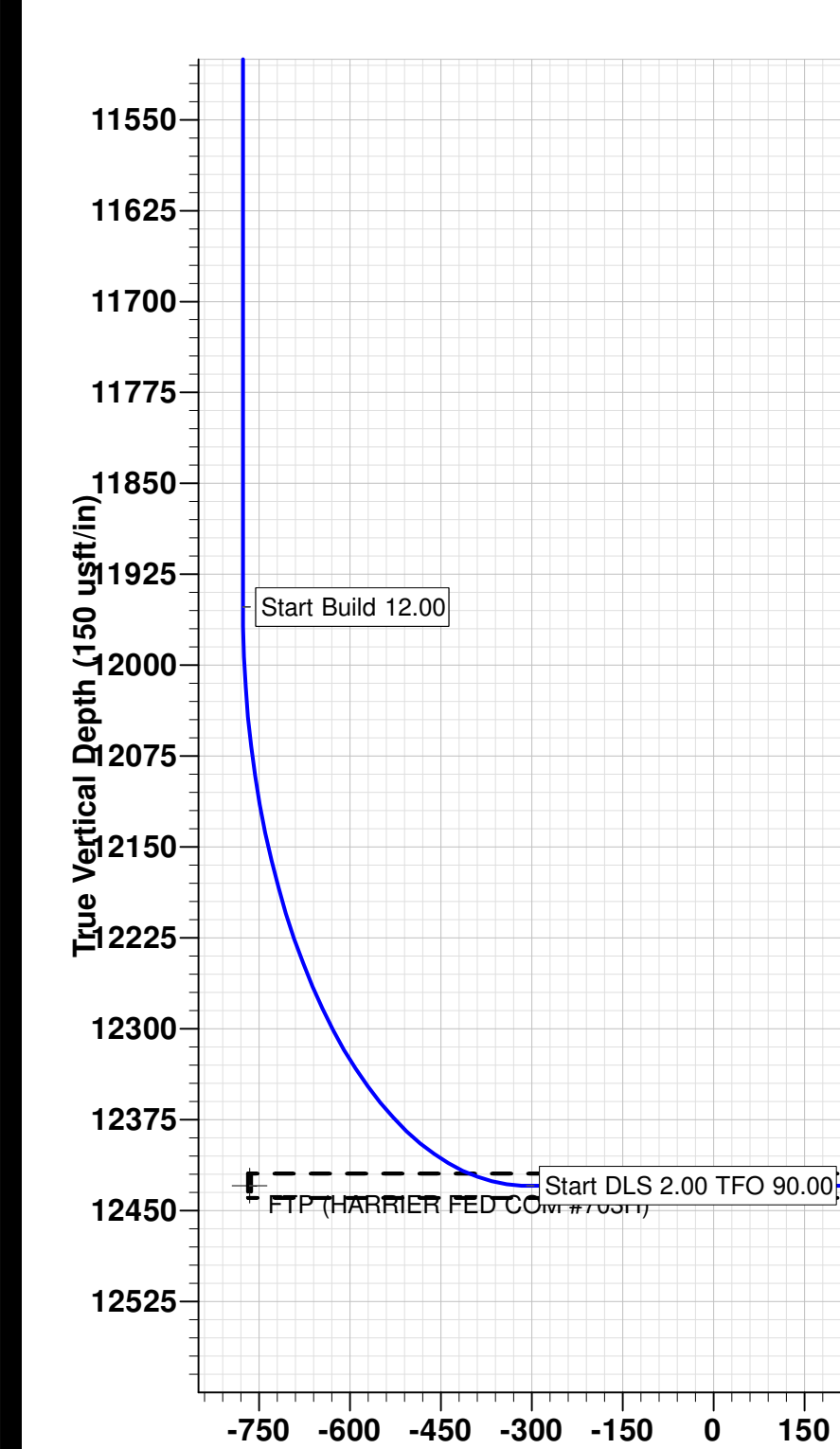
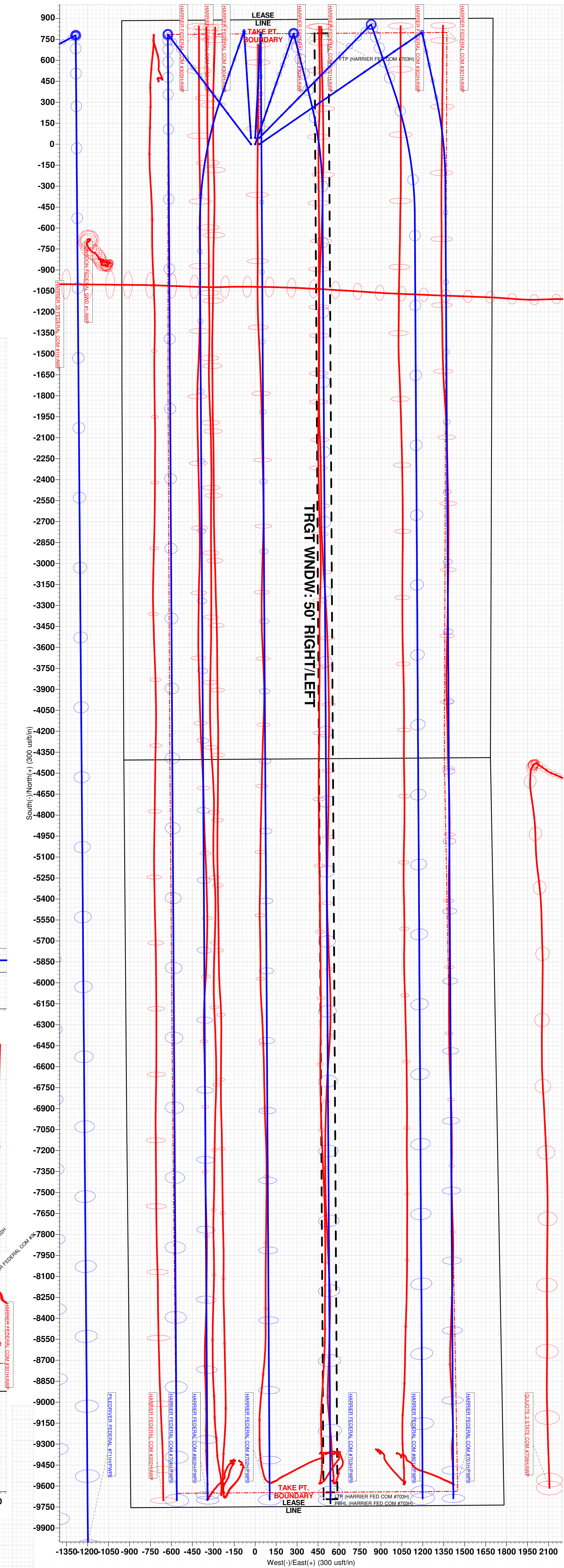
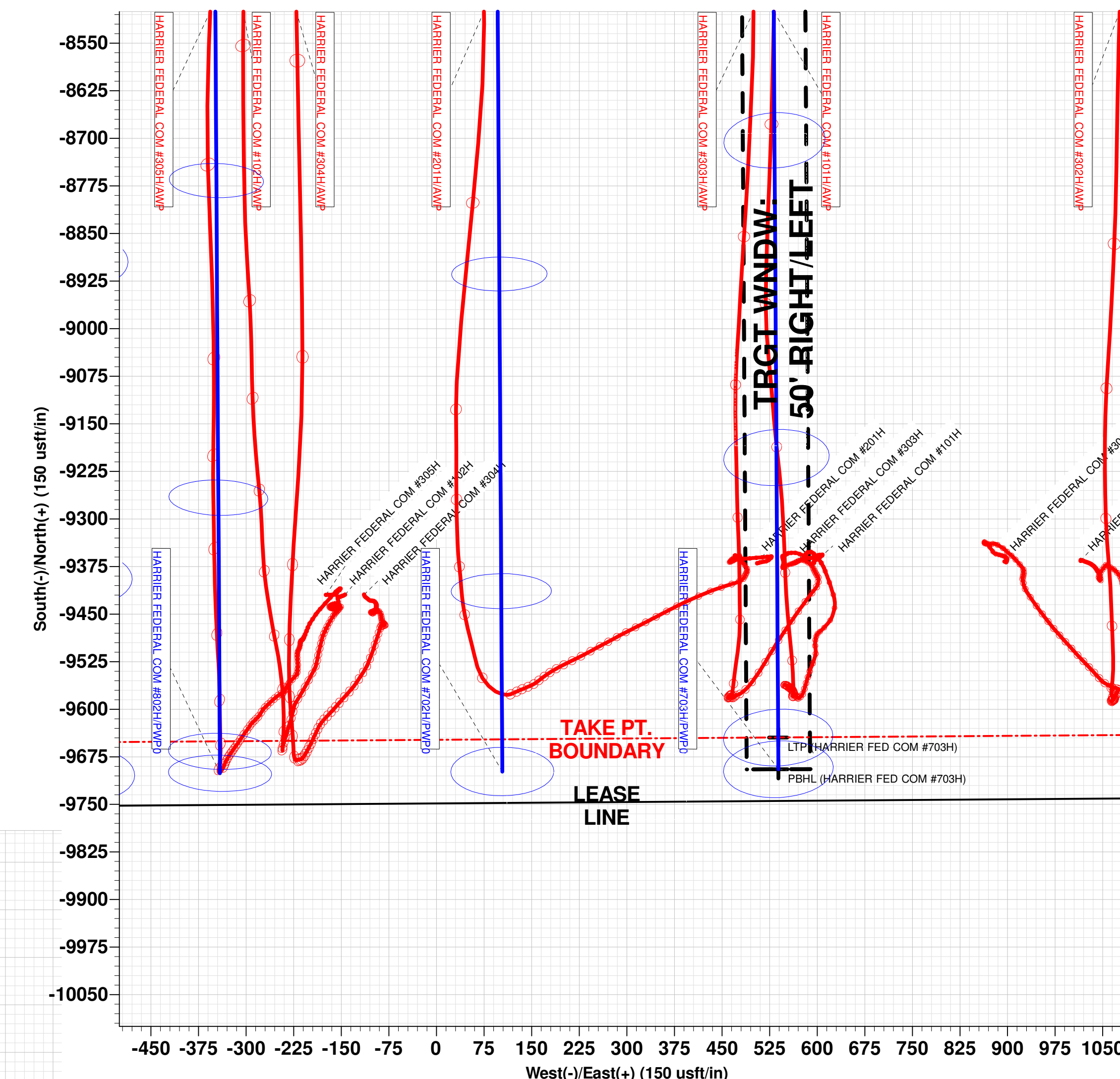
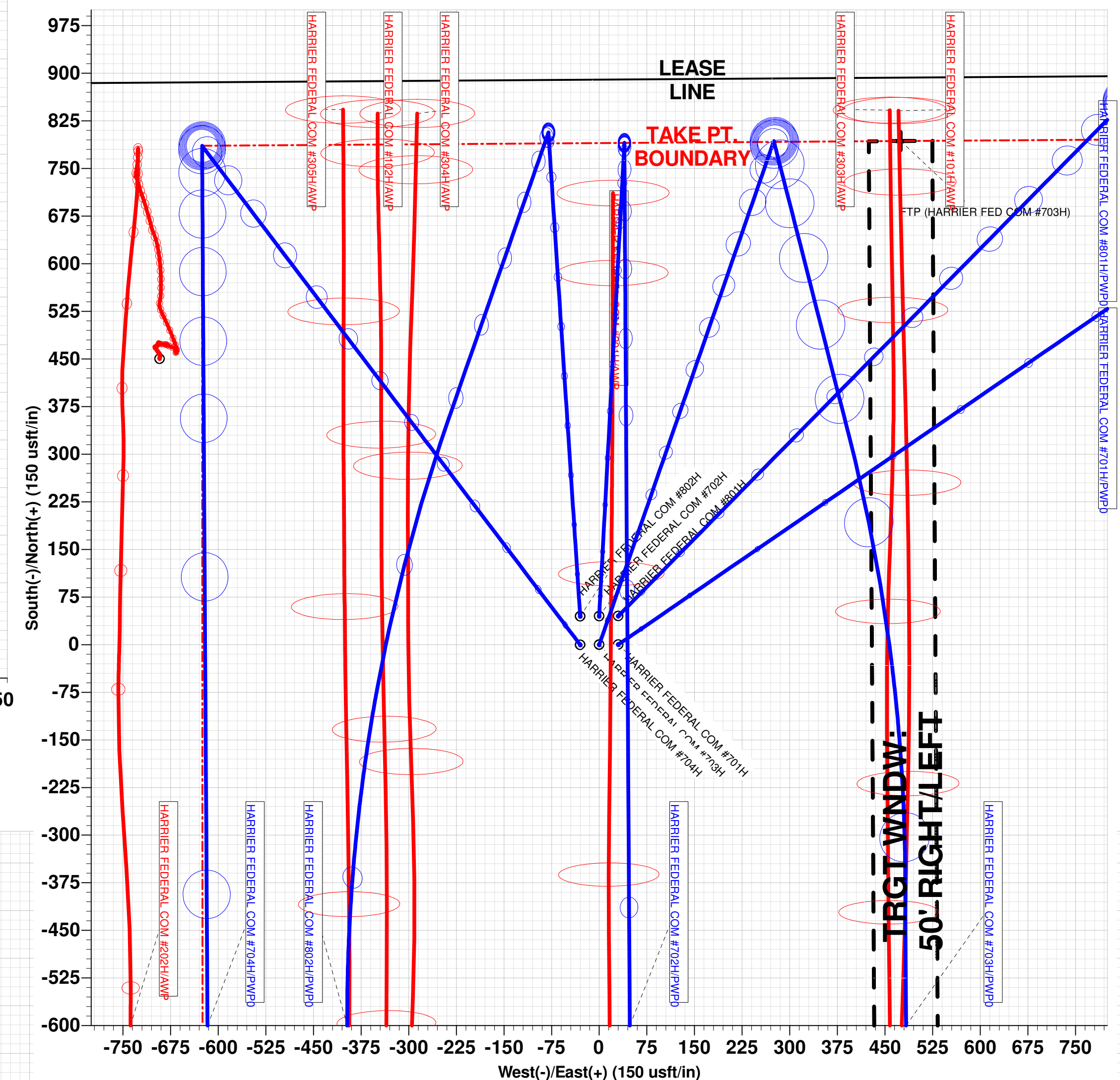
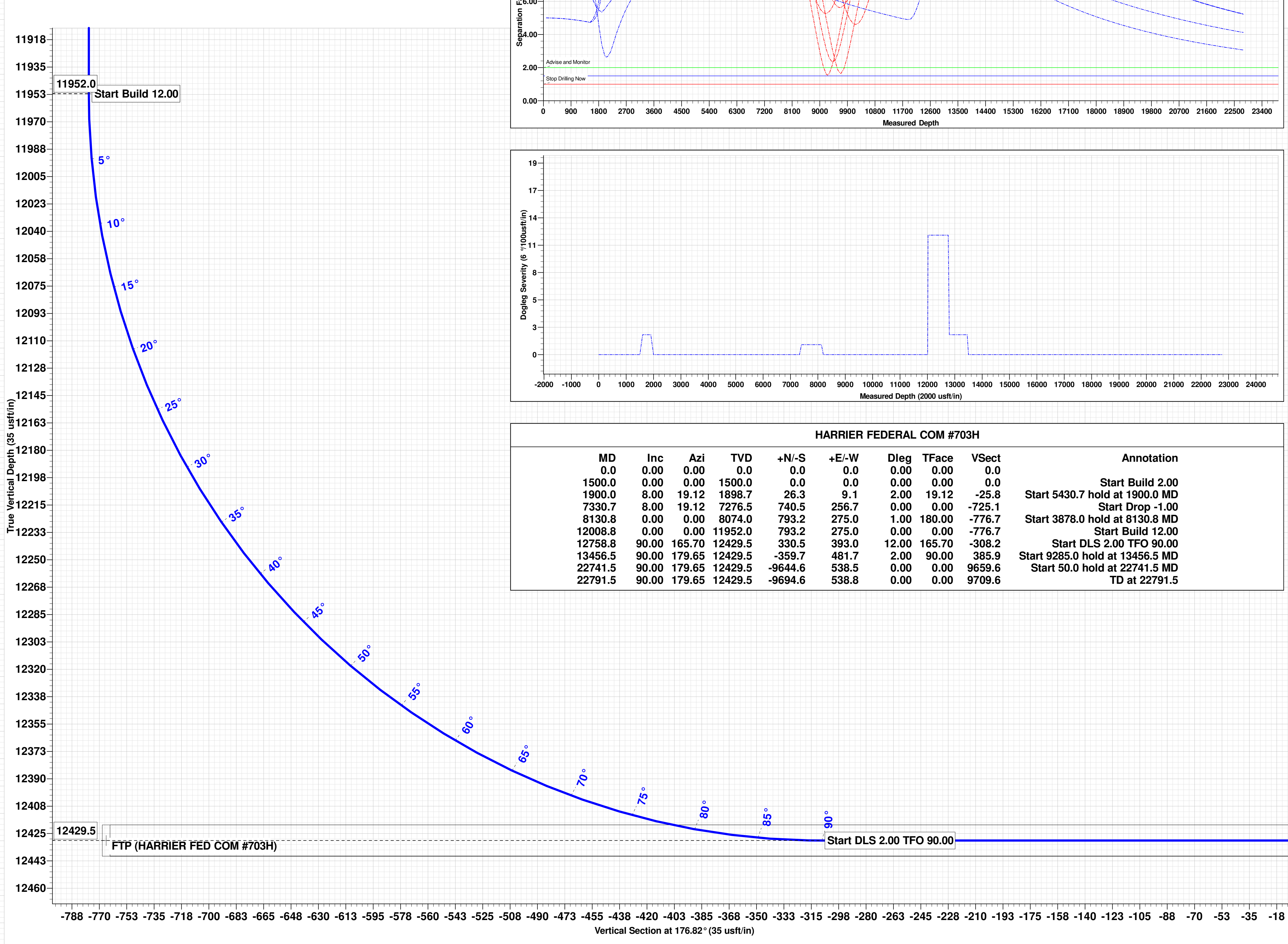
Magnetic Field
Strength: 47397.1nT
Dip Angle: 59.65°
Date: 3/1/2023
Model: BGGM2022

WELL DETAILS: HARRIER FEDERAL COM #703H					
+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	397745.60	711405.70	32° 5' 30.045 N	103° 39' 2.501 W

DESIGN TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude
FTP (HARRIER FED COM #703H)	12429.5	793.2	474.6	398538.80	711880.30	32° 5' 37.865 N
LTP (HARRIER FED COM #703H)	12429.5	-9644.6	538.5	388101.00	711944.20	32° 3' 54.569 N
PBHL (HARRIER FED COM #703H)	12429.5	-9694.6	538.8	388051.00	711944.50	32° 3' 54.075 N



HARRIER FEDERAL COM #703H									
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	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
1900.0	8.00	19.12	1898.7	26.3	9.1	2.00	19.12	-25.8	Start 5430.7 hold at 1900.0 MD
7330.7	8.00	19.12	7276.5	740.5	256.7	0.00	0.00	-725.1	Start Drop -1.00
8130.8	0.00	0.00	8074.0	793.2	275.0	1.00	180.00	-776.7	Start 3878.0 hold at 8130.8 MD
12008.8	0.00	0.00	11952.0	793.2	275.0	0.00	0.00	-776.7	Start Build 12.00
12758.8	90.00	165.70	12429.5	330.5	393.0	12.00	165.70	-308.2	Start DLS 2.00 TFO 90.00
13456.5	90.00	179.65	12429.5	-359.7	481.7	2.00	90.00	385.9	Start 9285.0 hold at 13456.5 MD
22741.5	90.00	179.65	12429.5	-9644.6	538.5	0.00	0.00	9659.6	Start 50.0 hold at 22741.5 MD
22791.5	90.00	179.65	12429.5	-9694.6	538.8	0.00	0.00	9709.6	TD at 22791.5



TRGT WNDW:
10' ABOVE/BELOW

Start 50.0 hold at 22741.5 MD
PBHL (HARRIER FED COM #703H)
LTP (HARRIER FED COM #703H)
FTP (HARRIER FED COM #703H)
TD at 22791.5

District I
1625 N. French Dr., Hobbs, NM 88240
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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 171561

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 171561
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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