

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.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

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

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

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.)

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Additional Information

Location of Well

0. SHL: NWN / 465 FNL / 2035 FEL / TWSP: 25S / RANGE: 35E / SECTION: 20 / LAT: 32.121856 / LONG: -103.387594 (TVD: 0 feet, MD: 0 feet)

PPP: NWN / 100 FNL / 1640 FEL / TWSP: 25S / RANGE: 35E / SECTION: 20 / LAT: 32.122856 / LONG: -103.386318 (TVD: 12238 feet, MD: 12300 feet)

PPP: SWNE / 1321 FNL / 1640 FEL / TWSP: 25S / RANGE: 35E / SECTION: 20 / LAT: 32.119498 / LONG: -103.386316 (TVD: 12365 feet, MD: 13521 feet)

BHL: SWNE / 2590 FNL / 1640 FEL / TWSP: 25S / RANGE: 35E / SECTION: 29 / LAT: 32.101495 / LONG: -103.386306 (TVD: 12401 feet, MD: 19992 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 30-025-47879	Pool Code 17980	Pool Name Dogie Draw; Wolfcamp
Property Code 329742	Property Name GREEN BERET FEDERAL COM	Well Number 602H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3280.2'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	20	25-S	35-E		465	NORTH	2035	EAST	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
H	29	25-S	35-E		2590	NORTH	1000	EAST	LEA
Dedicated Acres 480	Joint or Infill	Consolidation Code	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

NAD 83 NME <u>SURFACE LOCATION</u> Y=409352.2 N X=834123.0 E LAT.=32.121856" N LONG.=103.387594" W <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2">POINT LEGEND</th> </tr> </thead> <tbody> <tr><td>1</td><td>Y=409813.8 N X=833511.7 E</td></tr> <tr><td>2</td><td>Y=404531.4 N X=833559.7 E</td></tr> <tr><td>3</td><td>Y=401910.4 N X=836227.2 E</td></tr> <tr><td>4</td><td>Y=404549.9 N X=836202.0 E</td></tr> <tr><td>5</td><td>Y=407189.2 N X=836178.2 E</td></tr> <tr><td>6</td><td>Y=409828.9 N X=836153.7 E</td></tr> </tbody> </table> NAD 83 NME <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=401953.0 N X=835226.7 E LAT.=32.101492" N LONG.=103.384239" W	POINT LEGEND		1	Y=409813.8 N X=833511.7 E	2	Y=404531.4 N X=833559.7 E	3	Y=401910.4 N X=836227.2 E	4	Y=404549.9 N X=836202.0 E	5	Y=407189.2 N X=836178.2 E	6	Y=409828.9 N X=836153.7 E		OPERATOR CERTIFICATION <i>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>Stan Wagner</i> 11/8/21 Signature Date Stan Wagner Printed Name E-mail Address SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> JANUARY 22, 2020 Date of Survey Signature & Seal of Professional Surveyor <i>Chad Harcrow</i> 10/21/21 Certificate No. CHAD HARCROW 17777 W.O. # 21-893 DRAWN BY: AH
POINT LEGEND																
1	Y=409813.8 N X=833511.7 E															
2	Y=404531.4 N X=833559.7 E															
3	Y=401910.4 N X=836227.2 E															
4	Y=404549.9 N X=836202.0 E															
5	Y=407189.2 N X=836178.2 E															
6	Y=409828.9 N X=836153.7 E															

DELAWARE BASIN EAST
BULLDOG PROSPECT (NM-E)
GREEN BERET FEDERAL PROJECT (BULLDOG
2535)
GREEN BERET FED COM #602H

OWB
PWP1

Anticollision Report

25 October, 2021

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	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	10/25/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	12,231.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
12,231.0	20,303.8	PWP1 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR 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						
GREEN BERET FEDERAL PROJECT (BULLDOG 2535)						
GREEN BERET FED COM #501H - OWB - PWP1	2,500.4	2,501.2	60.0	53.1	8.700 CC, ES	
GREEN BERET FED COM #501H - OWB - PWP1	20,303.8	20,193.9	980.8	844.1	7.177 SF	
GREEN BERET FED COM #701H - OWB - AWP	7,662.3	7,606.1	39.9	23.2	2.391 CC, ES, SF	
GREEN BERET FED COM #702H - OWB - PWP1	2,415.9	2,418.1	90.0	77.6	7.274 CC	
GREEN BERET FED COM #702H - OWB - PWP1	2,500.0	2,502.2	90.0	77.3	7.095 ES, SF	
GREEN BERET FED COM #801H - OWB - PWP1	2,500.0	2,497.3	30.0	23.1	4.350 CC, ES	
GREEN BERET FED COM #801H - OWB - PWP1	20,303.8	19,988.6	548.1	412.4	4.038 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	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
GREEN BERET FEDERAL PROJECT (BULLDOG 2535)						
GREEN BERET FED COM #501H - OWB - PWP1	20,303.8	20,193.9	980.8	844.1	7.177	SF
GREEN BERET FED COM #701H - OWB - AWP	20,303.8	18,447.0				Out of Range @TD
GREEN BERET FED COM #702H - OWB - PWP1	20,303.8	20,481.0				Out of Range @TD
GREEN BERET FED COM #801H - OWB - PWP1	20,303.8	19,988.6	548.1	412.4	4.038	SF

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #501H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: Reference		0-Standard Keeper 104, 12129-MWD+IFR1+FDIR						Rule Assigned:				Offset Well Error:	3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
	0.0	0.0	0.8	0.8	3.0	3.0	-90.29	-0.3	-60.0	60.0				
	100.0	100.0	100.8	100.8	3.0	3.0	-90.29	-0.3	-60.0	60.0	54.0	6.00	10.000	
	200.0	200.0	200.8	200.8	3.0	3.0	-90.29	-0.3	-60.0	60.0	54.0	6.00	9.995	
	300.0	300.0	300.8	300.8	3.0	3.0	-90.29	-0.3	-60.0	60.0	54.0	6.01	9.985	
	400.0	400.0	400.8	400.8	3.0	3.0	-90.29	-0.3	-60.0	60.0	54.0	6.02	9.970	
	500.0	500.0	500.8	500.8	3.1	3.1	-90.29	-0.3	-60.0	60.0	54.0	6.03	9.949	
	600.0	600.0	600.8	600.8	3.1	3.1	-90.29	-0.3	-60.0	60.0	54.0	6.05	9.923	
	700.0	700.0	700.8	700.8	3.1	3.1	-90.29	-0.3	-60.0	60.0	53.9	6.07	9.893	
	800.0	800.0	800.8	800.8	3.2	3.2	-90.29	-0.3	-60.0	60.0	53.9	6.09	9.857	
	900.0	900.0	900.8	900.8	3.2	3.2	-90.29	-0.3	-60.0	60.0	53.9	6.11	9.816	
	1,000.0	1,000.0	1,000.8	1,000.8	3.2	3.2	-90.29	-0.3	-60.0	60.0	53.9	6.14	9.771	
	1,100.0	1,100.0	1,100.8	1,100.8	3.3	3.3	-90.29	-0.3	-60.0	60.0	53.8	6.17	9.722	
	1,200.0	1,200.0	1,200.8	1,200.8	3.4	3.4	-90.29	-0.3	-60.0	60.0	53.8	6.21	9.668	
	1,300.0	1,300.0	1,300.8	1,300.8	3.4	3.4	-90.29	-0.3	-60.0	60.0	53.8	6.24	9.611	
	1,400.0	1,400.0	1,400.8	1,400.8	3.5	3.5	-90.29	-0.3	-60.0	60.0	53.7	6.28	9.550	
	1,500.0	1,500.0	1,500.8	1,500.8	3.5	3.5	-90.29	-0.3	-60.0	60.0	53.7	6.33	9.485	
	1,600.0	1,600.0	1,600.8	1,600.8	3.6	3.6	-90.29	-0.3	-60.0	60.0	53.6	6.37	9.417	
	1,700.0	1,700.0	1,700.8	1,700.8	3.7	3.7	-90.29	-0.3	-60.0	60.0	53.6	6.42	9.346	
	1,800.0	1,800.0	1,800.8	1,800.8	3.8	3.8	-90.29	-0.3	-60.0	60.0	53.5	6.47	9.272	
	1,900.0	1,900.0	1,900.8	1,900.8	3.9	3.9	-90.29	-0.3	-60.0	60.0	53.5	6.52	9.196	
	2,000.0	2,000.0	2,000.8	2,000.8	3.9	3.9	-90.29	-0.3	-60.0	60.0	53.4	6.58	9.118	
	2,100.0	2,100.0	2,100.8	2,100.8	4.0	4.0	-90.29	-0.3	-60.0	60.0	53.4	6.64	9.037	
	2,200.0	2,200.0	2,200.8	2,200.8	4.1	4.1	-90.29	-0.3	-60.0	60.0	53.3	6.70	8.955	
	2,300.0	2,300.0	2,300.8	2,300.8	4.2	4.2	-90.29	-0.3	-60.0	60.0	53.2	6.76	8.871	
	2,400.0	2,400.0	2,400.8	2,400.8	4.3	4.3	-90.29	-0.3	-60.0	60.0	53.2	6.83	8.786	
	2,500.0	2,500.0	2,500.8	2,500.8	4.4	4.4	-90.29	-0.3	-60.0	60.0	53.1	6.90	8.700	

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 GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #501H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 12129-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
								+N/-S (usft)	+E/-W (usft)					
2,500.4	2,500.4	2,501.2	2,501.2	4.4	4.4	-159.09		-0.3	-60.0	60.0	53.1	6.90	8.700	CC, ES
2,600.0	2,600.0	2,601.4	2,601.4	4.5	4.5	-158.06		1.4	-59.5	61.1	54.2	6.97	8.775	
2,700.0	2,699.8	2,701.8	2,701.6	4.5	4.6	-155.23		6.5	-58.0	64.7	57.6	7.04	9.183	
2,800.0	2,799.5	2,801.9	2,801.4	4.6	4.7	-151.18		15.0	-55.6	70.8	63.7	7.13	9.934	
2,900.0	2,898.7	2,901.4	2,900.3	4.6	4.8	-147.89		25.0	-52.7	80.1	72.9	7.23	11.080	
2,950.0	2,948.2	2,951.1	2,949.7	4.7	4.8	-146.98		29.9	-51.2	85.9	78.6	7.27	11.807	
3,000.0	2,997.5	3,000.7	2,999.0	4.7	4.9	-146.38		34.9	-49.8	92.0	84.7	7.32	12.580	
3,100.0	3,096.3	3,099.9	3,097.7	4.8	5.0	-145.41		44.9	-46.9	104.4	97.0	7.40	14.099	
3,200.0	3,195.1	3,199.1	3,196.4	4.8	5.1	-144.64		54.8	-44.0	116.8	109.3	7.49	15.580	
3,300.0	3,293.8	3,298.3	3,295.0	4.9	5.2	-144.02		64.8	-41.1	129.2	121.6	7.59	17.022	
3,400.0	3,392.6	3,397.5	3,393.7	5.0	5.3	-143.51		74.8	-38.3	141.6	133.9	7.69	18.423	
3,500.0	3,491.4	3,496.8	3,492.4	5.1	5.4	-143.08		84.7	-35.4	154.0	146.2	7.79	19.780	
3,600.0	3,590.1	3,596.0	3,591.1	5.1	5.5	-142.72		94.7	-32.5	166.4	158.5	7.89	21.094	
3,700.0	3,688.9	3,695.2	3,689.7	5.2	5.6	-142.40		104.7	-29.6	178.9	170.9	8.00	22.363	
3,800.0	3,787.7	3,794.4	3,788.4	5.3	5.7	-142.13		114.6	-26.7	191.3	183.2	8.11	23.587	
3,900.0	3,886.5	3,893.6	3,887.1	5.4	5.8	-141.89		124.6	-23.8	203.7	195.5	8.23	24.767	
4,000.0	3,985.2	3,992.9	3,985.8	5.5	5.9	-141.68		134.5	-20.9	216.2	207.8	8.35	25.901	
4,100.0	4,084.0	4,092.1	4,084.5	5.6	6.0	-141.49		144.5	-18.1	228.6	220.2	8.47	26.990	
4,200.0	4,182.8	4,191.3	4,183.1	5.7	6.1	-141.32		154.5	-15.2	241.1	232.5	8.60	28.035	
4,300.0	4,281.5	4,290.5	4,281.8	5.8	6.2	-141.16		164.4	-12.3	253.5	244.8	8.73	29.035	
4,400.0	4,380.3	4,389.7	4,380.5	5.9	6.3	-141.03		174.4	-9.4	266.0	257.1	8.87	29.993	
4,500.0	4,479.1	4,489.0	4,479.2	6.0	6.4	-140.90		184.3	-6.5	278.4	269.4	9.01	30.908	
4,600.0	4,577.8	4,588.2	4,577.8	6.1	6.6	-140.78		194.3	-3.6	290.9	281.7	9.15	31.782	
4,700.0	4,676.6	4,687.4	4,676.5	6.2	6.7	-140.68		204.3	-0.7	303.3	294.0	9.30	32.616	
4,800.0	4,775.4	4,786.6	4,775.2	6.3	6.8	-140.58		214.2	2.1	315.8	306.3	9.45	33.410	
4,900.0	4,874.1	4,885.8	4,873.9	6.4	6.9	-140.49		224.2	5.0	328.3	318.7	9.61	34.166	
5,000.0	4,972.9	4,985.1	4,972.5	6.5	7.0	-140.41		234.2	7.9	340.7	330.9	9.77	34.885	
5,100.0	5,071.7	5,084.3	5,071.2	6.6	7.1	-140.33		244.1	10.8	353.2	343.2	9.93	35.568	
5,200.0	5,170.5	5,183.5	5,169.9	6.7	7.2	-140.26		254.1	13.7	365.6	355.5	10.10	36.217	
5,300.0	5,269.2	5,282.7	5,268.6	6.8	7.3	-140.19		264.0	16.6	378.1	367.8	10.27	36.833	
5,400.0	5,368.0	5,381.9	5,367.2	6.9	7.5	-140.12		274.0	19.4	390.6	380.1	10.44	37.417	
5,500.0	5,466.8	5,481.2	5,465.9	7.0	7.6	-140.07		284.0	22.3	403.0	392.4	10.61	37.970	
5,600.0	5,565.5	5,580.4	5,564.6	7.1	7.7	-140.01		293.9	25.2	415.5	404.7	10.79	38.493	
5,700.0	5,664.3	5,679.6	5,663.3	7.3	7.8	-139.96		303.9	28.1	427.9	417.0	10.98	38.988	
5,800.0	5,763.1	5,778.8	5,761.9	7.4	7.9	-139.91		313.9	31.0	440.4	429.2	11.16	39.456	
5,900.0	5,861.8	5,878.0	5,860.6	7.5	8.0	-139.86		323.8	33.9	452.9	441.5	11.35	39.898	
6,000.0	5,960.6	5,977.3	5,959.3	7.6	8.2	-139.82		333.8	36.8	465.3	453.8	11.54	40.315	
6,100.0	6,059.4	6,076.5	6,058.0	7.7	8.3	-139.77		343.7	39.6	477.8	466.1	11.74	40.709	
6,200.0	6,158.1	6,175.7	6,156.7	7.8	8.4	-139.73		353.7	42.5	490.3	478.3	11.93	41.080	
6,300.0	6,256.9	6,275.2	6,255.7	8.0	8.5	-139.77		363.1	45.2	502.7	490.6	12.13	41.438	
6,400.0	6,355.7	6,374.8	6,355.0	8.1	8.6	-139.99		370.8	47.5	515.1	502.7	12.32	41.795	
6,500.0	6,454.4	6,474.3	6,454.3	8.2	8.8	-140.40		376.9	49.3	527.4	514.9	12.50	42.173	
6,600.0	6,553.2	6,573.7	6,553.5	8.3	8.9	-140.96		381.4	50.5	539.7	527.0	12.68	42.574	
6,700.0	6,652.0	6,672.9	6,652.7	8.5	9.0	-141.68		384.1	51.3	552.0	539.1	12.84	42.973	
6,800.0	6,750.8	6,771.8	6,751.6	8.6	9.1	-142.55		385.3	51.7	564.4	551.4	13.02	43.355	
6,900.0	6,849.5	6,870.5	6,850.3	8.7	9.2	-143.48		385.3	51.7	576.9	563.7	13.20	43.721	
7,000.0	6,948.3	6,969.3	6,949.1	8.8	9.4	-144.39		385.3	51.7	589.6	576.3	13.38	44.079	
7,100.0	7,047.1	7,068.1	7,047.9	9.0	9.5	-145.25		385.3	51.7	602.5	588.9	13.56	44.429	
7,200.0	7,145.8	7,166.8	7,146.6	9.1	9.6	-146.08		385.3	51.7	615.4	601.7	13.75	44.772	
7,300.0	7,244.6	7,265.6	7,245.4	9.2	9.7	-146.87		385.3	51.7	628.5	614.6	13.93	45.108	
7,400.0	7,343.4	7,364.4	7,344.2	9.3	9.9	-147.63		385.3	51.7	641.7	627.6	14.12	45.436	

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

10/25/2021 10:00:10AM

Page 4

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #501H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 12129-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Minimum Separation (usft)	Separation Factor	Warning	
7,500.0	7,442.1	7,463.1	7,442.9	9.5	10.0	-148.36		385.3	51.7	655.1	640.7	14.32	45.758	
7,600.0	7,540.9	7,561.9	7,541.7	9.6	10.1	-149.06		385.3	51.7	668.5	654.0	14.51	46.073	
7,700.0	7,639.7	7,660.7	7,640.5	9.7	10.2	-149.73		385.3	51.7	682.0	667.3	14.70	46.382	
7,800.0	7,738.4	7,759.5	7,739.2	9.9	10.3	-150.38		385.3	51.7	695.6	680.7	14.90	46.684	
7,900.0	7,837.2	7,858.2	7,838.0	10.0	10.5	-151.00		385.3	51.7	709.3	694.2	15.10	46.980	
8,000.0	7,936.0	7,957.0	7,936.8	10.2	10.6	-151.60		385.3	51.7	723.0	707.7	15.30	47.271	
8,100.0	8,034.7	8,055.8	8,035.5	10.3	10.7	-152.18		385.3	51.7	736.8	721.4	15.49	47.555	
8,200.0	8,133.5	8,154.5	8,134.3	10.4	10.8	-152.74		385.3	51.7	750.8	735.1	15.70	47.834	
8,300.0	8,232.3	8,253.3	8,233.1	10.6	11.0	-153.27		385.3	51.7	764.7	748.8	15.90	48.107	
8,400.0	8,331.1	8,352.1	8,331.9	10.7	11.1	-153.79		385.3	51.7	778.8	762.7	16.10	48.375	
8,500.0	8,429.8	8,450.8	8,430.6	10.9	11.2	-154.29		385.3	51.7	792.9	776.6	16.30	48.638	
8,600.0	8,528.6	8,549.6	8,529.4	11.0	11.3	-154.77		385.3	51.7	807.0	790.5	16.51	48.895	
8,700.0	8,627.4	8,648.4	8,628.2	11.1	11.5	-155.23		385.3	51.7	821.2	804.5	16.71	49.148	
8,800.0	8,726.1	8,747.1	8,726.9	11.3	11.6	-155.68		385.3	51.7	835.5	818.6	16.91	49.395	
8,900.0	8,824.9	8,845.9	8,825.7	11.4	11.7	-156.11		385.3	51.7	849.8	832.7	17.12	49.638	
9,000.0	8,923.7	8,944.7	8,924.5	11.6	11.8	-156.53		385.3	51.7	864.2	846.8	17.33	49.876	
9,100.0	9,022.4	9,043.5	9,023.2	11.7	12.0	-156.94		385.3	51.7	878.6	861.0	17.53	50.109	
9,200.0	9,121.2	9,142.2	9,122.0	11.9	12.1	-157.33		385.3	51.7	893.0	875.3	17.74	50.339	
9,300.0	9,220.0	9,241.0	9,220.8	12.0	12.2	-157.71		385.3	51.7	907.5	889.5	17.95	50.563	
9,346.4	9,265.8	9,286.9	9,266.6	12.1	12.3	-157.88		385.3	51.7	914.2	896.2	18.04	50.666	
9,400.0	9,318.8	9,339.8	9,319.6	12.2	12.3	-158.10		385.3	51.7	921.8	903.6	18.15	50.773	
9,500.0	9,417.8	9,438.8	9,418.6	12.3	12.5	-158.47		385.3	51.7	934.7	916.3	18.36	50.912	
9,600.0	9,517.1	9,538.1	9,517.9	12.5	12.6	-158.78		385.3	51.7	946.0	927.4	18.56	50.973	
9,700.0	9,616.5	9,637.5	9,617.3	12.6	12.7	-159.04		385.3	51.7	957.7	936.9	18.75	50.959	
9,800.0	9,716.2	9,737.2	9,717.0	12.7	12.8	-159.25		385.3	51.7	963.7	944.8	18.94	50.872	
9,900.0	9,815.9	9,836.9	9,816.7	12.8	13.0	-159.42		385.3	51.7	970.2	951.1	19.13	50.713	
10,000.0	9,915.8	9,936.8	9,916.6	12.9	13.1	-159.54		385.3	51.7	975.1	955.8	19.31	50.491	
10,100.0	10,015.7	10,036.7	10,016.5	13.0	13.2	-159.62		385.3	51.7	978.3	958.8	19.49	50.203	
10,200.0	10,115.7	10,136.7	10,116.5	13.1	13.3	-159.66		385.3	51.7	979.9	960.2	19.66	49.844	
10,246.4	10,162.1	10,183.2	10,162.9	13.1	13.4	-90.86		385.3	51.7	980.0	960.3	19.72	49.692	
10,300.0	10,215.7	10,236.7	10,216.5	13.2	13.5	-90.86		385.3	51.7	980.0	960.3	19.78	49.552	
10,400.0	10,315.7	10,336.7	10,316.5	13.3	13.6	-90.86		385.3	51.7	980.0	960.1	19.88	49.292	
10,500.0	10,415.7	10,436.7	10,416.5	13.4	13.7	-90.86		385.3	51.7	980.0	960.0	19.99	49.033	
10,600.0	10,515.7	10,536.7	10,516.5	13.5	13.8	-90.86		385.3	51.7	980.0	959.9	20.09	48.777	
10,700.0	10,615.7	10,636.7	10,616.5	13.6	14.0	-90.86		385.3	51.7	980.0	959.8	20.20	48.522	
10,800.0	10,715.7	10,736.7	10,716.5	13.7	14.1	-90.86		385.3	51.7	980.0	959.7	20.30	48.269	
10,900.0	10,815.7	10,836.7	10,816.5	13.8	14.2	-90.86		385.3	51.7	980.0	959.6	20.41	48.018	
11,000.0	10,915.7	10,936.7	10,916.5	13.9	14.4	-90.86		385.3	51.7	980.0	959.5	20.52	47.769	
11,100.0	11,015.7	11,036.7	11,016.5	14.0	14.5	-90.86		385.3	51.7	980.0	959.4	20.62	47.521	
11,200.0	11,115.7	11,136.7	11,116.5	14.1	14.6	-90.86		385.3	51.7	980.0	959.3	20.73	47.275	
11,300.0	11,215.7	11,236.7	11,216.5	14.2	14.7	-90.86		385.3	51.7	980.0	959.2	20.84	47.031	
11,400.0	11,315.7	11,336.7	11,316.5	14.3	14.9	-90.86		385.3	51.7	980.0	959.1	20.95	46.788	
11,500.0	11,415.7	11,436.7	11,416.5	14.4	15.0	-90.86		385.3	51.7	980.0	959.0	21.05	46.547	
11,600.0	11,515.7	11,536.7	11,516.5	14.5	15.1	-90.86		385.3	51.7	980.0	958.9	21.16	46.308	
11,700.0	11,615.7	11,636.7	11,616.5	14.6	15.3	-90.86		385.3	51.7	980.0	958.8	21.27	46.071	
11,800.0	11,715.7	11,736.7	11,716.5	14.7	15.4	-90.86		385.3	51.7	980.0	958.6	21.38	45.835	
11,900.0	11,815.7	11,836.7	11,816.5	14.8	15.5	-90.86		385.3	51.7	980.0	958.5	21.49	45.601	
12,000.0	11,915.7	11,936.7	11,916.5	15.0	15.6	-90.86		385.3	51.7	980.0	958.4	21.60	45.369	
12,100.0	12,015.7	12,036.7	12,016.5	15.1	15.8	-90.86		385.3	51.7	980.0	958.3	21.71	45.138	
12,114.2	12,029.9	12,050.9	12,030.7	15.1	15.8	-90.86		385.3	51.7	980.0	958.3	21.73	45.106	
12,200.0	12,115.7	12,136.6	12,116.4	15.2	15.9	-90.86		385.2	51.7	980.0	958.2	21.81	44.935	

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

10/25/2021 10:00:10AM

Page 5

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #501H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 12129-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
								+N/-S (usft)	+E/-W (usft)					
12,231.8	12,147.5	12,168.0	12,147.7	15.2	15.9	-90.95		383.8	51.7	980.0	958.2	21.83	44.902	
12,250.0	12,165.7	12,185.8	12,165.5	15.2	15.9	89.49		382.0	51.7	980.1	958.2	21.83	44.886	
12,275.0	12,190.6	12,210.3	12,189.7	15.2	15.9	89.38		378.5	51.7	980.1	958.2	21.85	44.861	
12,300.0	12,215.5	12,234.6	12,213.5	15.2	15.9	89.27		373.8	51.8	980.1	958.2	21.86	44.834	
12,325.0	12,240.1	12,258.8	12,237.0	15.2	15.9	89.16		368.0	51.8	980.1	958.2	21.88	44.805	
12,350.0	12,264.5	12,283.0	12,260.1	15.2	15.9	89.05		360.9	51.9	980.1	958.3	21.89	44.773	
12,375.0	12,288.6	12,307.0	12,282.8	15.2	15.9	88.94		352.7	52.0	980.2	958.3	21.91	44.737	
12,400.0	12,312.2	12,331.0	12,304.9	15.2	15.9	88.84		343.5	52.1	980.2	958.3	21.93	44.698	
12,425.0	12,335.5	12,354.9	12,326.5	15.2	15.9	88.74		333.2	52.2	980.3	958.3	21.95	44.654	
12,450.0	12,358.2	12,378.8	12,347.4	15.2	15.9	88.64		321.8	52.3	980.3	958.3	21.98	44.605	
12,475.0	12,380.3	12,402.5	12,367.7	15.3	16.0	88.55		309.5	52.4	980.3	958.3	22.01	44.550	
12,500.0	12,401.8	12,426.2	12,387.3	15.3	16.0	88.46		296.2	52.5	980.4	958.3	22.04	44.488	
12,525.0	12,422.6	12,450.0	12,406.3	15.3	16.0	88.38		281.8	52.6	980.4	958.3	22.07	44.418	
12,550.0	12,442.7	12,473.4	12,424.2	15.3	16.0	88.30		266.9	52.8	980.4	958.3	22.11	44.341	
12,575.0	12,461.9	12,496.9	12,441.5	15.3	16.0	88.22		251.0	52.9	980.5	958.3	22.16	44.253	
12,600.0	12,480.3	12,520.3	12,458.0	15.3	16.0	88.15		234.3	53.1	980.5	958.3	22.21	44.156	
12,625.0	12,497.7	12,543.7	12,473.5	15.4	16.1	88.08		216.8	53.2	980.6	958.3	22.26	44.048	
12,650.0	12,514.2	12,567.1	12,488.2	15.4	16.1	88.02		198.6	53.4	980.6	958.3	22.32	43.929	
12,675.0	12,529.7	12,590.4	12,501.9	15.4	16.1	87.97		179.8	53.6	980.6	958.2	22.39	43.798	
12,700.0	12,544.2	12,613.6	12,514.7	15.4	16.1	87.92		160.4	53.8	980.7	958.2	22.46	43.656	
12,725.0	12,557.6	12,636.9	12,526.5	15.5	16.1	87.87		140.4	53.9	980.7	958.1	22.54	43.502	
12,750.0	12,569.8	12,660.1	12,537.3	15.5	16.2	87.83		119.8	54.1	980.7	958.1	22.63	43.337	
12,775.0	12,580.9	12,683.2	12,547.1	15.5	16.2	87.80		98.8	54.3	980.7	958.0	22.72	43.159	
12,800.0	12,590.8	12,706.4	12,555.8	15.5	16.2	87.77		77.4	54.5	980.8	957.9	22.82	42.971	
12,825.0	12,599.4	12,729.5	12,563.5	15.5	16.2	87.74		55.6	54.7	980.8	957.8	22.93	42.772	
12,850.0	12,606.9	12,752.6	12,570.2	15.6	16.2	87.73		33.4	54.9	980.8	957.7	23.04	42.563	
12,875.0	12,613.1	12,775.0	12,575.5	15.6	16.2	87.72		11.7	55.1	980.8	957.6	23.16	42.354	
12,900.0	12,618.0	12,798.9	12,580.1	15.6	16.3	87.71		-11.7	55.3	980.8	957.5	23.29	42.119	
12,925.0	12,621.6	12,822.0	12,583.5	15.6	16.3	87.71		-34.5	55.5	980.8	957.4	23.42	41.885	
12,950.0	12,623.9	12,845.1	12,585.7	15.6	16.3	87.72		-57.5	55.8	980.8	957.2	23.55	41.645	
12,975.0	12,624.9	12,868.2	12,586.8	15.7	16.3	87.73		-80.6	56.0	980.8	957.1	23.69	41.401	
12,979.2	12,625.0	12,872.0	12,586.9	15.7	16.3	87.73		-84.5	56.0	980.8	957.1	23.71	41.360	
12,985.3	12,625.0	12,877.8	12,587.0	15.7	16.3	87.73		-90.2	56.1	980.8	957.0	23.75	41.298	
13,000.0	12,625.1	12,892.5	12,587.0	15.7	16.3	87.73		-104.9	56.2	980.8	956.9	23.84	41.136	
13,100.0	12,625.6	12,992.5	12,587.6	15.7	16.3	87.73		-204.9	57.1	980.8	956.2	24.56	39.936	
13,200.0	12,626.2	13,092.5	12,588.1	15.8	16.3	87.73		-304.9	58.0	980.8	955.4	25.37	38.656	
13,300.0	12,626.7	13,192.5	12,588.7	16.0	16.4	87.73		-404.9	59.0	980.8	954.5	26.27	37.330	
13,400.0	12,627.3	13,292.5	12,589.2	16.1	16.4	87.73		-504.9	59.9	980.8	953.5	27.25	35.987	
13,500.0	12,627.8	13,392.5	12,589.8	16.4	16.5	87.73		-604.9	60.8	980.8	952.5	28.30	34.651	
13,600.0	12,628.4	13,492.5	12,590.3	16.6	16.5	87.73		-704.8	61.7	980.8	951.4	29.42	33.339	
13,700.0	12,628.9	13,592.5	12,590.9	17.0	16.6	87.73		-804.8	62.6	980.8	950.2	30.59	32.064	
13,800.0	12,629.4	13,692.5	12,591.4	17.4	16.6	87.73		-904.8	63.6	980.8	949.0	31.81	30.834	
13,900.0	12,630.0	13,792.5	12,592.0	17.9	16.7	87.73		-1,004.8	64.5	980.8	947.7	33.07	29.656	
14,000.0	12,630.5	13,892.5	12,592.5	18.5	16.9	87.73		-1,104.8	65.4	980.8	946.4	34.38	28.531	
14,100.0	12,631.1	13,992.5	12,593.1	19.0	17.3	87.73		-1,204.8	66.3	980.8	945.1	35.71	27.462	
14,200.0	12,631.6	14,092.5	12,593.6	19.6	17.8	87.73		-1,304.8	67.2	980.8	943.7	37.08	26.447	
14,300.0	12,632.2	14,192.5	12,594.2	20.3	18.5	87.73		-1,404.8	68.2	980.8	942.3	38.48	25.487	
14,400.0	12,632.7	14,292.5	12,594.7	20.9	19.2	87.73		-1,504.8	69.1	980.8	940.9	39.91	24.578	
14,500.0	12,633.3	14,392.5	12,595.3	21.6	19.9	87.73		-1,604.8	70.0	980.8	939.4	41.35	23.718	
14,600.0	12,633.8	14,492.5	12,595.8	22.3	20.7	87.73		-1,704.8	70.9	980.8	938.0	42.82	22.906	
14,700.0	12,634.4	14,592.5	12,596.3	23.0	21.4	87.73		-1,804.8	71.8	980.8	936.5	44.30	22.139	

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

10/25/2021 10:00:10AM

Page 6

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #501H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 12129-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Vertical	Measured	Vertical	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Minimum	Separation	Warning
Depth	Depth	Depth	Depth	Depth	Depth	Depth	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)		
14,800.0	12,634.9	14,692.5	12,596.9	23.7	22.2	87.73	87.73	-1,904.8	72.8	980.8	935.0	45.80	21.413	
14,900.0	12,635.5	14,792.5	12,597.4	24.4	23.0	87.73	87.73	-2,004.8	73.7	980.8	933.5	47.32	20.728	
15,000.0	12,636.0	14,892.5	12,598.0	25.2	23.8	87.73	87.73	-2,104.8	74.6	980.8	931.9	48.85	20.079	
15,100.0	12,636.6	14,992.5	12,598.5	25.9	24.5	87.73	87.73	-2,204.8	75.5	980.8	930.4	50.39	19.464	
15,200.0	12,637.1	15,092.5	12,599.1	26.7	25.3	87.73	87.73	-2,304.8	76.4	980.8	928.8	51.94	18.882	
15,300.0	12,637.6	15,192.5	12,599.6	27.4	26.1	87.73	87.73	-2,404.7	77.4	980.8	927.3	53.51	18.331	
15,400.0	12,638.2	15,292.5	12,600.2	28.2	26.9	87.73	87.73	-2,504.7	78.3	980.8	925.7	55.08	17.807	
15,500.0	12,638.7	15,392.5	12,600.7	28.9	27.8	87.73	87.73	-2,604.7	79.2	980.8	924.1	56.66	17.310	
15,600.0	12,639.3	15,492.5	12,601.3	29.7	28.6	87.73	87.73	-2,704.7	80.1	980.8	922.5	58.25	16.838	
15,700.0	12,639.8	15,592.5	12,601.8	30.5	29.4	87.73	87.73	-2,804.7	81.0	980.8	920.9	59.84	16.389	
15,800.0	12,640.4	15,692.5	12,602.4	31.3	30.2	87.73	87.73	-2,904.7	82.0	980.8	919.3	61.45	15.961	
15,900.0	12,640.9	15,792.5	12,602.9	32.1	31.0	87.73	87.73	-3,004.7	82.9	980.8	917.7	63.06	15.554	
16,000.0	12,641.5	15,892.5	12,603.5	32.9	31.8	87.73	87.73	-3,104.7	83.8	980.8	916.1	64.67	15.165	
16,100.0	12,642.0	15,992.5	12,604.0	33.7	32.7	87.73	87.73	-3,204.7	84.7	980.8	914.5	66.29	14.795	
16,200.0	12,642.6	16,092.5	12,604.6	34.5	33.5	87.73	87.73	-3,304.7	85.6	980.8	912.9	67.92	14.441	
16,300.0	12,643.1	16,192.5	12,605.1	35.3	34.3	87.73	87.73	-3,404.7	86.6	980.8	911.2	69.55	14.102	
16,400.0	12,643.7	16,292.5	12,605.6	36.1	35.1	87.73	87.73	-3,504.7	87.5	980.8	909.6	71.18	13.778	
16,500.0	12,644.2	16,392.5	12,606.2	36.9	36.0	87.73	87.73	-3,604.7	88.4	980.8	908.0	72.82	13.468	
16,600.0	12,644.8	16,492.5	12,606.7	37.7	36.8	87.73	87.73	-3,704.7	89.3	980.8	906.3	74.46	13.171	
16,700.0	12,645.3	16,592.5	12,607.3	38.5	37.6	87.73	87.73	-3,804.7	90.3	980.8	904.7	76.11	12.886	
16,800.0	12,645.8	16,692.5	12,607.8	39.3	38.5	87.73	87.73	-3,904.7	91.2	980.8	903.0	77.76	12.613	
16,900.0	12,646.4	16,792.5	12,608.4	40.1	39.3	87.73	87.73	-4,004.7	92.1	980.8	901.4	79.41	12.351	
17,000.0	12,646.9	16,892.5	12,608.9	40.9	40.1	87.73	87.73	-4,104.7	93.0	980.8	899.7	81.07	12.098	
17,100.0	12,647.5	16,992.5	12,609.5	41.8	41.0	87.73	87.73	-4,204.6	93.9	980.8	898.1	82.72	11.856	
17,200.0	12,648.0	17,092.5	12,610.0	42.6	41.8	87.73	87.73	-4,304.6	94.9	980.8	896.4	84.39	11.623	
17,300.0	12,648.6	17,192.5	12,610.6	43.4	42.7	87.73	87.73	-4,404.6	95.8	980.8	894.7	86.05	11.398	
17,400.0	12,649.1	17,292.5	12,611.1	44.2	43.5	87.73	87.73	-4,504.6	96.7	980.8	893.1	87.71	11.182	
17,500.0	12,649.7	17,392.5	12,611.7	45.1	44.3	87.73	87.73	-4,604.6	97.6	980.8	891.4	89.38	10.973	
17,600.0	12,650.2	17,492.5	12,612.2	45.9	45.2	87.73	87.73	-4,704.6	98.5	980.8	889.7	91.05	10.772	
17,700.0	12,650.8	17,592.5	12,612.8	46.7	46.0	87.73	87.73	-4,804.6	99.5	980.8	888.1	92.72	10.578	
17,800.0	12,651.3	17,692.5	12,613.3	47.5	46.9	87.73	87.73	-4,904.6	100.4	980.8	886.4	94.39	10.390	
17,900.0	12,651.9	17,792.5	12,613.9	48.4	47.7	87.73	87.73	-5,004.6	101.3	980.8	884.7	96.07	10.209	
18,000.0	12,652.4	17,892.5	12,614.4	49.2	48.6	87.73	87.73	-5,104.6	102.2	980.8	883.0	97.75	10.034	
18,100.0	12,653.0	17,992.5	12,615.0	50.0	49.4	87.73	87.73	-5,204.6	103.1	980.8	881.4	99.42	9.865	
18,200.0	12,653.5	18,092.5	12,615.5	50.9	50.3	87.73	87.73	-5,304.6	104.1	980.8	879.7	101.10	9.701	
18,300.0	12,654.0	18,192.5	12,616.0	51.7	51.1	87.73	87.73	-5,404.6	105.0	980.8	878.0	102.78	9.542	
18,400.0	12,654.6	18,292.5	12,616.6	52.5	52.0	87.73	87.73	-5,504.6	105.9	980.8	876.3	104.47	9.389	
18,500.0	12,655.1	18,392.5	12,617.1	53.4	52.8	87.73	87.73	-5,604.6	106.8	980.8	874.6	106.15	9.240	
18,600.0	12,655.7	18,492.5	12,617.7	54.2	53.7	87.73	87.73	-5,704.6	107.7	980.8	873.0	107.83	9.095	
18,700.0	12,656.2	18,592.5	12,618.2	55.0	54.5	87.73	87.73	-5,804.6	108.7	980.8	871.3	109.52	8.955	
18,800.0	12,656.8	18,692.5	12,618.8	55.9	55.4	87.73	87.73	-5,904.5	109.6	980.8	869.6	111.21	8.819	
18,900.0	12,657.3	18,792.5	12,619.3	56.7	56.2	87.73	87.73	-6,004.5	110.5	980.8	867.9	112.90	8.688	
19,000.0	12,657.9	18,892.5	12,619.9	57.6	57.1	87.73	87.73	-6,104.5	111.4	980.8	866.2	114.58	8.560	
19,100.0	12,658.4	18,992.5	12,620.4	58.4	57.9	87.73	87.73	-6,204.5	112.3	980.8	864.5	116.27	8.435	
19,200.0	12,659.0	19,092.5	12,621.0	59.2	58.8	87.73	87.73	-6,304.5	113.3	980.8	862.8	117.97	8.314	
19,300.0	12,659.5	19,192.5	12,621.5	60.1	59.6	87.73	87.73	-6,404.5	114.2	980.8	861.1	119.66	8.197	
19,400.0	12,660.1	19,292.5	12,622.1	60.9	60.5	87.73	87.73	-6,504.5	115.1	980.8	859.4	121.35	8.082	
19,500.0	12,660.6	19,392.5	12,622.6	61.8	61.3	87.73	87.73	-6,604.5	116.0	980.8	857.7	123.04	7.971	
19,600.0	12,661.2	19,492.5	12,623.2	62.6	62.2	87.73	87.73	-6,704.5	116.9	980.8	856.1	124.74	7.863	
19,700.0	12,661.7	19,592.5	12,623.7	63.4	63.0	87.73	87.73	-6,804.5	117.9	980.8	854.4	126.43	7.757	
19,800.0	12,662.2	19,692.5	12,624.3	64.3	63.9	87.73	87.73	-6,904.5	118.8	980.8	852.7	128.13	7.655	

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 GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #501H - OWB - PWP1													
												Offset Site Error:	3.0 usft
												Offset Well Error:	3.0 usft
Survey Program:	0-Standard Keeper 104, 12129-MWD+IFR1+FDIR												
Reference	Offset												
Measured	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Rule Assigned:		Minimum	Separation	Warning
Depth	Depth	Depth	Depth	Reference	Offset		+N/-S	+E/-W	Between	Between			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	Toolface	(usft)	(usft)	Centres	Ellipses	Separation	Factor	
						(°)			(usft)	(usft)	(usft)		
19,900.0	12,662.8	19,792.5	12,624.8	65.1	64.7	87.73	-7,004.5	119.7	980.8	851.0	129.83	7.555	
20,000.0	12,663.3	19,892.5	12,625.4	66.0	65.6	87.73	-7,104.5	120.6	980.8	849.3	131.52	7.457	
20,100.0	12,663.9	19,992.5	12,625.9	66.8	66.4	87.73	-7,204.5	121.5	980.8	847.6	133.22	7.362	
20,200.0	12,664.4	20,092.5	12,626.4	67.7	67.3	87.73	-7,304.5	122.5	980.8	845.9	134.92	7.269	
20,210.7	12,664.5	20,103.2	12,626.5	67.8	67.4	87.73	-7,315.2	122.6	980.8	845.7	135.10	7.260	
20,303.8	12,665.0	20,193.9	12,627.0	68.5	68.1	87.73	-7,405.9	123.4	980.8	844.1	136.66	7.177 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #701H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program:	100-Standard Keeper 104, 10401-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Vertical	Measured	Vertical	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Warning	
Depth	Depth	Depth	Depth	Depth	Depth	Depth	Toolface	+N/-S	+E/-W	Between	Minimum	Separation	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Separation	Factor	
										Ellipses	(usft)		
3,700.0	3,688.9	3,747.8	3,742.1	5.2	4.3	16.47	143.9	1,131.8	996.9	988.5	8.45	117.970	
3,800.0	3,787.7	3,845.6	3,839.4	5.3	4.4	16.40	148.6	1,123.4	973.9	965.3	8.61	113.116	
3,900.0	3,886.5	3,937.6	3,931.1	5.4	4.4	16.51	150.4	1,115.9	951.0	942.3	8.77	108.482	
4,000.0	3,985.2	4,036.7	4,029.8	5.5	4.5	16.64	152.0	1,108.1	928.4	919.5	8.94	103.894	
4,100.0	4,084.0	4,134.6	4,127.4	5.6	4.6	16.77	153.8	1,100.1	905.6	896.5	9.11	99.428	
4,200.0	4,182.8	4,231.3	4,223.8	5.7	4.7	16.90	155.6	1,092.2	882.8	873.5	9.28	95.107	
4,300.0	4,281.5	4,321.3	4,313.5	5.8	4.8	17.03	157.2	1,085.2	860.3	850.8	9.45	91.040	
4,400.0	4,380.3	4,411.7	4,403.6	5.9	4.9	17.18	158.7	1,079.2	838.8	829.2	9.62	87.201	
4,500.0	4,479.1	4,508.5	4,500.2	6.0	5.0	17.35	160.3	1,073.1	817.8	808.0	9.80	83.442	
4,600.0	4,577.8	4,607.5	4,599.0	6.1	5.1	17.53	162.1	1,066.8	796.8	786.8	9.99	79.772	
4,700.0	4,676.6	4,700.9	4,692.2	6.2	5.2	17.71	163.7	1,061.2	776.1	765.9	10.17	76.307	
4,800.0	4,775.4	4,811.4	4,802.5	6.3	5.3	17.91	165.9	1,054.1	755.0	744.6	10.38	72.718	
4,900.0	4,874.1	4,904.8	4,895.6	6.4	5.4	18.04	168.3	1,047.0	732.8	722.2	10.57	69.335	
5,000.0	4,972.9	5,034.5	5,024.8	6.5	5.5	18.27	171.3	1,036.6	710.6	699.8	10.83	65.600	
5,100.0	5,071.7	5,130.7	5,120.3	6.6	5.6	18.44	173.3	1,025.2	684.3	673.2	11.03	62.025	
5,200.0	5,170.5	5,226.1	5,215.1	6.7	5.7	18.65	175.2	1,014.4	658.4	647.2	11.23	58.621	
5,300.0	5,269.2	5,320.2	5,308.6	6.8	5.8	18.89	176.7	1,004.1	632.9	621.4	11.43	55.373	
5,400.0	5,368.0	5,408.2	5,396.1	6.9	5.9	19.16	178.0	994.8	607.9	596.3	11.61	52.353	
5,500.0	5,466.8	5,507.3	5,494.8	7.0	6.0	19.56	178.7	985.7	584.1	572.3	11.82	49.407	
5,600.0	5,565.5	5,623.4	5,610.0	7.1	6.1	19.80	182.1	971.5	557.3	545.2	12.09	46.080	
5,700.0	5,664.3	5,716.7	5,702.4	7.3	6.2	20.00	184.9	959.3	529.9	517.6	12.30	43.087	
5,800.0	5,763.1	5,810.3	5,795.2	7.4	6.3	20.30	187.0	947.6	502.9	490.4	12.50	40.229	
5,900.0	5,861.8	5,898.8	5,883.2	7.5	6.4	20.71	188.3	937.6	477.2	464.5	12.68	37.628	
6,000.0	5,960.6	6,009.4	5,993.1	7.6	6.5	21.32	189.6	925.5	451.9	439.0	12.95	34.889	
6,100.0	6,059.4	6,114.1	6,096.6	7.7	6.7	21.83	191.9	909.4	422.3	409.1	13.22	31.954	
6,200.0	6,158.1	6,203.0	6,184.4	7.8	6.8	22.39	193.4	896.1	393.0	379.6	13.39	29.350	
6,300.0	6,256.9	6,295.0	6,275.5	8.0	6.9	23.13	194.5	883.5	365.1	351.6	13.58	26.890	
6,400.0	6,355.7	6,385.8	6,365.7	8.1	7.0	24.06	195.0	872.6	339.0	325.3	13.75	24.649	
6,500.0	6,454.4	6,483.4	6,462.6	8.2	7.1	25.23	195.6	861.8	313.8	299.8	13.97	22.468	
6,600.0	6,553.2	6,583.4	6,561.8	8.3	7.2	26.06	199.0	849.1	287.0	272.8	14.21	20.199	
6,700.0	6,652.0	6,676.8	6,654.4	8.5	7.3	26.97	202.3	837.5	260.6	246.2	14.40	18.097	
6,800.0	6,750.8	6,773.1	6,750.0	8.6	7.4	28.19	205.3	826.2	234.8	220.2	14.61	16.079	
6,900.0	6,849.5	6,869.5	6,845.7	8.7	7.5	29.85	207.9	814.9	209.4	194.6	14.81	14.139	
7,000.0	6,948.3	6,965.7	6,941.2	8.8	7.6	32.09	210.0	803.7	184.2	169.2	15.00	12.282	
7,100.0	7,047.1	7,064.9	7,039.7	9.0	7.8	35.04	212.5	791.9	159.1	143.8	15.22	10.449	
7,200.0	7,145.8	7,161.5	7,135.4	9.1	7.9	38.33	216.9	779.0	132.6	117.2	15.41	8.602	
7,300.0	7,244.6	7,256.0	7,229.0	9.2	8.0	43.13	220.7	767.5	108.0	92.4	15.53	6.951	
7,400.0	7,343.4	7,355.0	7,327.2	9.3	8.1	50.93	224.9	755.2	84.2	68.5	15.76	5.345	
7,500.0	7,442.1	7,451.3	7,422.3	9.5	8.2	63.66	230.9	741.7	60.5	44.5	15.93	3.796	
7,600.0	7,540.9	7,546.4	7,516.4	9.6	8.3	87.73	236.5	728.9	43.3	27.1	16.24	2.669	
7,662.3	7,602.4	7,606.1	7,575.7	9.7	8.4	109.12	239.4	721.8	39.9	23.2	16.70	2.391 CC, ES, SF	
7,700.0	7,639.7	7,642.6	7,611.8	9.7	8.4	122.51	241.1	717.5	41.1	24.1	17.02	2.415	
7,800.0	7,738.4	7,739.3	7,707.8	9.9	8.6	149.39	245.3	706.9	53.5	35.9	17.59	3.040	
7,900.0	7,837.2	7,835.4	7,803.4	10.0	8.7	163.54	248.6	697.0	72.9	55.0	17.87	4.080	
8,000.0	7,936.0	7,933.5	7,900.8	10.2	8.8	171.83	252.0	686.5	95.3	77.2	18.04	5.281	
8,100.0	8,034.7	8,031.9	7,998.9	10.3	8.9	175.74	254.0	678.6	116.9	98.6	18.22	6.414	
8,200.0	8,133.5	8,130.5	8,097.2	10.4	9.0	177.83	255.1	672.0	138.1	119.7	18.42	7.495	
8,300.0	8,232.3	8,227.3	8,193.9	10.6	9.1	178.94	255.3	666.3	159.0	140.4	18.66	8.524	
8,400.0	8,331.1	8,320.7	8,286.8	10.7	9.3	-179.20	257.6	657.5	182.4	163.5	18.92	9.639	
8,500.0	8,429.8	8,421.8	8,387.5	10.9	9.4	-177.82	259.6	648.5	205.5	186.4	19.11	10.757	
8,600.0	8,528.6	8,524.4	8,490.0	11.0	9.5	-177.21	260.6	642.3	226.5	207.2	19.30	11.736	

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

10/25/2021 10:00:10AM

Page 9

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #701H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10401-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
8,700.0	8,627.4	8,611.4	8,576.7	11.1	9.6	-176.71	261.6	636.6	248.0	228.4	19.62	12.641	
8,800.0	8,726.1	8,711.8	8,676.6	11.3	9.7	-175.96	263.2	627.0	272.1	252.3	19.82	13.726	
8,900.0	8,824.9	8,814.8	8,779.4	11.4	9.9	-175.57	264.1	619.7	294.1	274.1	20.01	14.694	
9,000.0	8,923.7	8,893.6	8,857.9	11.6	10.0	-175.27	264.9	613.3	317.3	296.8	20.42	15.537	
9,100.0	9,022.4	8,981.1	8,944.4	11.7	10.1	-174.47	266.9	600.2	346.2	325.4	20.76	16.675	
9,200.0	9,121.2	9,089.8	9,052.0	11.9	10.2	-173.75	269.1	585.1	374.4	353.6	20.87	17.943	
9,300.0	9,220.0	9,196.1	9,157.8	12.0	10.3	-173.40	270.5	574.2	399.4	378.4	21.03	18.989	
9,346.4	9,265.8	9,241.8	9,203.2	12.1	10.4	-173.30	271.0	570.2	410.3	389.2	21.14	19.407	
9,400.0	9,318.8	9,297.6	9,258.8	12.2	10.5	-173.03	272.8	565.1	422.6	401.4	21.25	19.890	
9,500.0	9,417.8	9,401.7	9,362.5	12.3	10.6	-172.55	276.5	557.1	442.9	421.5	21.45	20.651	
9,600.0	9,517.1	9,478.5	9,439.0	12.5	10.7	-172.34	278.1	550.4	462.9	441.1	21.83	21.203	
9,700.0	9,616.5	9,585.9	9,545.8	12.6	10.8	-171.86	281.1	538.8	483.0	461.0	22.00	21.948	
9,800.0	9,716.2	9,687.2	9,646.5	12.7	10.9	-171.46	283.9	529.5	499.9	477.6	22.23	22.488	
9,900.0	9,815.9	9,787.2	9,746.2	12.8	11.1	-171.18	285.7	520.6	514.9	492.4	22.46	22.922	
10,000.0	9,915.8	9,904.0	9,862.7	12.9	11.2	-171.00	286.9	513.0	526.2	503.5	22.61	23.266	
10,100.0	10,015.7	10,009.5	9,968.1	13.0	11.3	-171.04	286.3	509.1	533.2	510.4	22.83	23.352	
10,200.0	10,115.7	10,112.0	10,070.6	13.1	11.4	-171.11	285.3	505.9	538.2	515.1	23.07	23.332	
10,246.4	10,162.1	10,160.9	10,119.4	13.1	11.5	-102.24	285.6	504.4	539.7	516.5	23.15	23.311	
10,300.0	10,215.7	10,217.9	10,176.4	13.2	11.6	-102.10	286.7	502.8	540.9	517.6	23.23	23.288	
10,400.0	10,315.7	10,313.2	10,271.7	13.3	11.7	-102.12	286.1	501.3	542.6	519.2	23.41	23.184	
10,500.0	10,415.7	10,401.0	10,359.4	13.4	11.7	-101.87	287.7	497.2	546.7	523.1	23.60	23.171	
10,600.0	10,515.7	10,475.1	10,433.3	13.5	11.7	-101.81	287.2	492.3	553.6	529.7	23.92	23.145	
10,700.0	10,615.7	10,529.0	10,486.6	13.6	11.7	-102.06	283.3	485.7	567.1	542.5	24.68	22.982	
10,800.0	10,715.7	10,584.0	10,539.6	13.7	11.7	-102.97	272.1	476.3	588.6	562.9	25.66	22.940	
10,900.0	10,815.7	10,632.0	10,584.1	13.8	11.7	-104.17	257.3	466.3	617.3	590.3	26.97	22.889	
11,000.0	10,915.7	10,694.3	10,639.9	13.9	11.8	-105.98	233.8	451.4	652.1	624.1	28.02	23.269	
11,100.0	11,015.7	10,728.0	10,669.0	14.0	11.8	-107.04	219.5	442.4	693.4	663.6	29.79	23.280	
11,200.0	11,115.7	10,775.0	10,707.2	14.1	11.8	-108.62	196.5	427.8	741.7	710.6	31.17	23.794	
11,300.0	11,215.7	10,796.1	10,723.3	14.2	11.9	-109.37	185.1	420.2	796.8	763.8	33.05	24.109	
11,400.0	11,315.7	10,823.0	10,742.8	14.3	11.9	-110.31	169.8	409.8	857.7	823.1	34.62	24.773	
11,500.0	11,415.7	10,857.3	10,766.5	14.4	11.9	-111.50	149.5	395.6	923.1	887.2	35.89	25.722	
11,600.0	11,515.7	10,888.5	10,787.2	14.5	12.0	-112.55	130.4	382.2	992.0	954.9	37.08	26.753	

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

10/25/2021 10:00:10AM

Page 10

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #702H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Distance Between Centres (usft)	Minimum Separation (usft)	Warning	
							+N/-S (usft)	+E/-W (usft)						
0.0	0.0	2.2	2.2	3.0	3.0	-90.32	-0.5	-90.0			90.0			
100.0	100.0	102.2	102.2	3.0	3.0	-90.32	-0.5	-90.0			90.0	84.0	6.00	14.993
200.0	200.0	202.2	202.2	3.0	3.0	-90.32	-0.5	-90.0			90.0	84.0	6.04	14.897
300.0	300.0	302.2	302.2	3.0	3.1	-90.32	-0.5	-90.0			90.0	83.9	6.12	14.700
400.0	400.0	402.2	402.2	3.0	3.2	-90.32	-0.5	-90.0			90.0	83.8	6.24	14.415
500.0	500.0	502.2	502.2	3.1	3.4	-90.32	-0.5	-90.0			90.0	83.6	6.40	14.063
600.0	600.0	602.2	602.2	3.1	3.6	-90.32	-0.5	-90.0			90.0	83.4	6.59	13.661
700.0	700.0	702.2	702.2	3.1	3.8	-90.32	-0.5	-90.0			90.0	83.2	6.80	13.229
800.0	800.0	802.2	802.2	3.2	4.0	-90.32	-0.5	-90.0			90.0	83.0	7.04	12.782
900.0	900.0	902.2	902.2	3.2	4.2	-90.32	-0.5	-90.0			90.0	82.7	7.30	12.330
1,000.0	1,000.0	1,002.2	1,002.2	3.2	4.5	-90.32	-0.5	-90.0			90.0	82.4	7.57	11.882
1,100.0	1,100.0	1,102.2	1,102.2	3.3	4.8	-90.32	-0.5	-90.0			90.0	82.1	7.86	11.446
1,200.0	1,200.0	1,202.2	1,202.2	3.4	5.1	-90.32	-0.5	-90.0			90.0	81.8	8.16	11.024
1,300.0	1,300.0	1,302.2	1,302.2	3.4	5.4	-90.32	-0.5	-90.0			90.0	81.5	8.48	10.619
1,400.0	1,400.0	1,402.2	1,402.2	3.5	5.7	-90.32	-0.5	-90.0			90.0	81.2	8.80	10.232
1,500.0	1,500.0	1,502.2	1,502.2	3.5	6.0	-90.32	-0.5	-90.0			90.0	80.9	9.12	9.864
1,600.0	1,600.0	1,602.2	1,602.2	3.6	6.3	-90.32	-0.5	-90.0			90.0	80.5	9.46	9.514
1,700.0	1,700.0	1,702.2	1,702.2	3.7	6.6	-90.32	-0.5	-90.0			90.0	80.2	9.80	9.183
1,800.0	1,800.0	1,802.2	1,802.2	3.8	6.9	-90.32	-0.5	-90.0			90.0	79.9	10.15	8.869
1,900.0	1,900.0	1,902.2	1,902.2	3.9	7.2	-90.32	-0.5	-90.0			90.0	79.5	10.50	8.572
2,000.0	2,000.0	2,002.2	2,002.2	3.9	7.6	-90.32	-0.5	-90.0			90.0	79.1	10.85	8.291
2,100.0	2,100.0	2,102.2	2,102.2	4.0	7.9	-90.32	-0.5	-90.0			90.0	78.8	11.21	8.026
2,200.0	2,200.0	2,202.2	2,202.2	4.1	8.2	-90.32	-0.5	-90.0			90.0	78.4	11.58	7.774
2,300.0	2,300.0	2,302.2	2,302.2	4.2	8.6	-90.32	-0.5	-90.0			90.0	78.1	11.94	7.535
2,400.0	2,400.0	2,402.2	2,402.2	4.3	8.9	-90.32	-0.5	-90.0			90.0	77.7	12.31	7.309
2,415.9	2,415.9	2,418.1	2,418.1	4.3	9.0	-90.32	-0.5	-90.0			90.0	77.6	12.37	7.274 CC
2,500.0	2,500.0	2,502.2	2,502.2	4.4	9.2	-90.32	-0.5	-90.0			90.0	77.3	12.69	7.095 ES, SF
2,600.0	2,600.0	2,600.0	2,600.0	4.5	9.6	-158.68	0.8	-91.2			92.8	79.8	13.05	7.114
2,700.0	2,699.8	2,697.4	2,697.2	4.5	9.9	-157.55	4.5	-94.6			101.2	87.8	13.40	7.551
2,800.0	2,799.5	2,793.8	2,793.3	4.6	10.2	-156.04	10.6	-100.1			115.2	101.4	13.75	8.374
2,900.0	2,898.7	2,891.9	2,890.9	4.6	10.6	-154.83	18.2	-107.0			133.6	119.5	14.12	9.462
2,950.0	2,948.2	2,940.8	2,939.5	4.7	10.7	-154.55	22.0	-110.5			144.1	129.7	14.31	10.066
3,000.0	2,997.5	2,989.6	2,988.0	4.7	10.9	-154.45	25.8	-113.9			154.9	140.4	14.50	10.680
3,100.0	3,096.3	3,087.3	3,085.2	4.8	11.2	-154.29	33.3	-120.8			176.5	161.6	14.88	11.857
3,200.0	3,195.1	3,184.9	3,182.3	4.8	11.6	-154.17	40.9	-127.6			198.0	182.8	15.27	12.972
3,300.0	3,293.8	3,282.6	3,279.4	4.9	11.9	-154.07	48.4	-134.5			219.6	204.0	15.66	14.028
3,400.0	3,392.6	3,380.2	3,376.5	5.0	12.2	-153.99	56.0	-141.4			241.2	225.2	16.05	15.029
3,500.0	3,491.4	3,477.8	3,473.6	5.1	12.6	-153.92	63.5	-148.2			262.8	246.4	16.45	15.977
3,600.0	3,590.1	3,575.5	3,570.7	5.1	12.9	-153.86	71.1	-155.1			284.4	267.6	16.85	16.876
3,700.0	3,688.9	3,673.1	3,667.8	5.2	13.3	-153.81	78.6	-162.0			306.0	288.8	17.26	17.730
3,800.0	3,787.7	3,770.7	3,764.9	5.3	13.6	-153.77	86.2	-168.8			327.6	310.0	17.67	18.540
3,900.0	3,886.5	3,868.4	3,862.0	5.4	13.9	-153.73	93.7	-175.7			349.2	331.2	18.09	19.309
4,000.0	3,985.2	3,966.0	3,959.1	5.5	14.3	-153.70	101.3	-182.6			370.8	352.3	18.50	20.040
4,100.0	4,084.0	4,063.7	4,056.2	5.6	14.6	-153.67	108.8	-189.4			392.4	373.5	18.93	20.736
4,200.0	4,182.8	4,161.3	4,153.3	5.7	15.0	-153.64	116.4	-196.3			414.0	394.7	19.35	21.398
4,300.0	4,281.5	4,258.9	4,250.4	5.8	15.3	-153.62	123.9	-203.2			435.6	415.9	19.78	22.028
4,400.0	4,380.3	4,356.6	4,347.5	5.9	15.7	-153.60	131.5	-210.0			457.2	437.0	20.21	22.628
4,500.0	4,479.1	4,454.2	4,444.6	6.0	16.0	-153.58	139.0	-216.9			478.8	458.2	20.64	23.201
4,600.0	4,577.8	4,551.9	4,541.7	6.1	16.4	-153.56	146.6	-223.8			500.4	479.4	21.07	23.746
4,700.0	4,676.6	4,649.5	4,638.8	6.2	16.7	-153.54	154.1	-230.6			522.0	500.5	21.51	24.268
4,800.0	4,775.4	4,747.1	4,735.9	6.3	17.0	-153.53	161.7	-237.5			543.6	521.7	21.95	24.765

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 GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #702H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	Separation	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)	Separation (usft)			
4,900.0	4,874.1	4,844.8	4,833.0	6.4	17.4	-153.52	169.2	-244.4	565.2	542.8	22.39	25.241		
5,000.0	4,972.9	4,942.4	4,930.1	6.5	17.7	-153.50	176.8	-251.2	586.8	564.0	22.84	25.695		
5,100.0	5,071.7	5,040.1	5,027.2	6.6	18.1	-153.49	184.3	-258.1	608.4	585.2	23.28	26.130		
5,200.0	5,170.5	5,137.7	5,124.3	6.7	18.4	-153.48	191.9	-265.0	630.0	606.3	23.73	26.547		
5,300.0	5,269.2	5,235.3	5,221.4	6.8	18.8	-153.47	199.4	-271.9	651.6	627.5	24.18	26.946		
5,400.0	5,368.0	5,333.0	5,318.6	6.9	19.1	-153.46	207.0	-278.7	673.2	648.6	24.64	27.328		
5,500.0	5,466.8	5,430.6	5,415.7	7.0	19.5	-153.45	214.5	-285.6	694.8	669.8	25.09	27.694		
5,600.0	5,565.5	5,528.3	5,512.8	7.1	19.8	-153.44	222.1	-292.5	716.4	690.9	25.55	28.046		
5,700.0	5,664.3	5,625.9	5,609.9	7.3	20.2	-153.43	229.6	-299.3	738.0	712.0	26.00	28.383		
5,800.0	5,763.1	5,723.5	5,707.0	7.4	20.5	-153.42	237.2	-306.2	759.6	733.2	26.46	28.707		
5,900.0	5,861.8	5,821.2	5,804.1	7.5	20.9	-153.42	244.7	-313.1	781.2	754.3	26.92	29.019		
6,000.0	5,960.6	5,918.8	5,901.2	7.6	21.2	-153.41	252.3	-319.9	802.8	775.5	27.38	29.318		
6,100.0	6,059.4	6,016.4	5,998.3	7.7	21.6	-153.40	259.8	-326.8	824.4	796.6	27.85	29.606		
6,200.0	6,158.1	6,114.1	6,095.4	7.8	21.9	-153.40	267.4	-333.7	846.0	817.7	28.31	29.883		
6,300.0	6,256.9	6,211.7	6,192.5	8.0	22.3	-153.39	274.9	-340.5	867.6	838.9	28.78	30.149		
6,400.0	6,355.7	6,309.4	6,289.6	8.1	22.6	-153.39	282.5	-347.4	889.2	860.0	29.25	30.406		
6,500.0	6,454.4	6,407.0	6,386.7	8.2	23.0	-153.38	290.0	-354.3	910.8	881.1	29.71	30.653		
6,600.0	6,553.2	6,504.6	6,483.8	8.3	23.3	-153.38	297.6	-361.1	932.4	902.3	30.18	30.892		
6,700.0	6,652.0	6,602.3	6,580.9	8.5	23.7	-153.37	305.1	-368.0	954.0	923.4	30.66	31.122		
6,800.0	6,750.8	6,699.9	6,678.0	8.6	24.0	-153.37	312.7	-374.9	975.6	944.5	31.13	31.344		
6,900.0	6,849.5	6,797.6	6,775.1	8.7	24.4	-153.36	320.2	-381.7	997.2	965.6	31.60	31.558		

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

10/25/2021 10:00:10AM

Page 12

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

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Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #801H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 11925-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-90.38	-90.38	-0.2	-30.0	30.1	24.0	6.00		
100.0	100.0	97.3	97.3	3.0	3.0	-90.38	-90.38	-0.2	-30.0	30.0	24.0	6.00		
200.0	200.0	197.3	197.3	3.0	3.0	-90.38	-90.38	-0.2	-30.0	30.0	24.0	6.00		
300.0	300.0	297.3	297.3	3.0	3.0	-90.38	-90.38	-0.2	-30.0	30.0	24.0	6.01		
400.0	400.0	397.3	397.3	3.0	3.0	-90.38	-90.38	-0.2	-30.0	30.0	24.0	6.02		
500.0	500.0	497.3	497.3	3.1	3.1	-90.38	-90.38	-0.2	-30.0	30.0	24.0	6.03		
600.0	600.0	597.3	597.3	3.1	3.1	-90.38	-90.38	-0.2	-30.0	30.0	24.0	6.05		
700.0	700.0	697.3	697.3	3.1	3.1	-90.38	-90.38	-0.2	-30.0	30.0	23.9	6.07		
800.0	800.0	797.3	797.3	3.2	3.2	-90.38	-90.38	-0.2	-30.0	30.0	23.9	6.09		
900.0	900.0	897.3	897.3	3.2	3.2	-90.38	-90.38	-0.2	-30.0	30.0	23.9	6.11		
1,000.0	1,000.0	997.3	997.3	3.2	3.2	-90.38	-90.38	-0.2	-30.0	30.0	23.9	6.14		
1,100.0	1,100.0	1,097.3	1,097.3	3.3	3.3	-90.38	-90.38	-0.2	-30.0	30.0	23.8	6.17		
1,200.0	1,200.0	1,197.3	1,197.3	3.4	3.4	-90.38	-90.38	-0.2	-30.0	30.0	23.8	6.21		
1,300.0	1,300.0	1,297.3	1,297.3	3.4	3.4	-90.38	-90.38	-0.2	-30.0	30.0	23.8	6.24		
1,400.0	1,400.0	1,397.3	1,397.3	3.5	3.5	-90.38	-90.38	-0.2	-30.0	30.0	23.7	6.28		
1,500.0	1,500.0	1,497.3	1,497.3	3.5	3.5	-90.38	-90.38	-0.2	-30.0	30.0	23.7	6.33		
1,600.0	1,600.0	1,597.3	1,597.3	3.6	3.6	-90.38	-90.38	-0.2	-30.0	30.0	23.6	6.37		
1,700.0	1,700.0	1,697.3	1,697.3	3.7	3.7	-90.38	-90.38	-0.2	-30.0	30.0	23.6	6.42		
1,800.0	1,800.0	1,797.3	1,797.3	3.8	3.8	-90.38	-90.38	-0.2	-30.0	30.0	23.5	6.47		
1,900.0	1,900.0	1,897.3	1,897.3	3.9	3.9	-90.38	-90.38	-0.2	-30.0	30.0	23.5	6.52		
2,000.0	2,000.0	1,997.3	1,997.3	3.9	3.9	-90.38	-90.38	-0.2	-30.0	30.0	23.4	6.58		
2,100.0	2,100.0	2,097.3	2,097.3	4.0	4.0	-90.38	-90.38	-0.2	-30.0	30.0	23.4	6.64		
2,200.0	2,200.0	2,197.3	2,197.3	4.1	4.1	-90.38	-90.38	-0.2	-30.0	30.0	23.3	6.70		
2,300.0	2,300.0	2,297.3	2,297.3	4.2	4.2	-90.38	-90.38	-0.2	-30.0	30.0	23.2	6.76		
2,400.0	2,400.0	2,397.3	2,397.3	4.3	4.3	-90.38	-90.38	-0.2	-30.0	30.0	23.2	6.83		
2,500.0	2,500.0	2,497.3	2,497.3	4.4	4.4	-90.38	-90.38	-0.2	-30.0	30.0	23.1	6.90	4.350 CC, ES	
2,600.0	2,600.0	2,598.2	2,598.1	4.5	4.5	-158.61	-158.61	0.7	-28.6	30.2	23.3	6.97		
2,700.0	2,699.8	2,699.0	2,698.9	4.5	4.5	-156.73	-156.73	3.7	-24.3	30.8	23.8	7.04		
2,800.0	2,799.5	2,799.9	2,799.3	4.6	4.6	-153.68	-153.68	8.6	-17.0	31.9	24.8	7.11		
2,900.0	2,898.7	2,899.8	2,898.7	4.6	4.7	-151.71	-151.71	14.4	-8.3	34.7	27.5	7.19		
2,950.0	2,948.2	2,949.8	2,948.4	4.7	4.7	-151.80	-151.80	17.3	-4.0	37.3	30.1	7.22		
3,000.0	2,997.5	2,999.7	2,998.0	4.7	4.8	-152.20	-152.20	20.2	0.3	40.2	33.0	7.27		
3,100.0	3,096.3	3,099.5	3,097.3	4.8	4.8	-152.84	-152.84	26.1	9.0	46.2	38.8	7.35		
3,200.0	3,195.1	3,199.3	3,196.6	4.8	4.9	-153.34	-153.34	31.9	17.6	52.1	44.7	7.45		
3,300.0	3,293.8	3,299.1	3,295.9	4.9	5.0	-153.73	-153.73	37.7	26.3	58.1	50.5	7.56		
3,400.0	3,392.6	3,399.0	3,395.1	5.0	5.1	-154.05	-154.05	43.5	34.9	64.0	56.3	7.67		
3,500.0	3,491.4	3,498.8	3,494.4	5.1	5.2	-154.32	-154.32	49.4	43.6	70.0	62.2	7.79		
3,600.0	3,590.1	3,598.6	3,593.7	5.1	5.3	-154.54	-154.54	55.2	52.3	75.9	68.0	7.92		
3,700.0	3,688.9	3,698.4	3,693.0	5.2	5.3	-154.73	-154.73	61.0	60.9	81.9	73.8	8.05		
3,800.0	3,787.7	3,798.3	3,792.2	5.3	5.4	-154.90	-154.90	66.9	69.6	87.8	79.6	8.19		
3,900.0	3,886.5	3,898.1	3,891.5	5.4	5.5	-155.04	-155.04	72.7	78.2	93.8	85.4	8.34		
4,000.0	3,985.2	3,997.9	3,990.8	5.5	5.6	-155.17	-155.17	78.5	86.9	99.7	91.2	8.48		
4,100.0	4,084.0	4,097.7	4,090.1	5.6	5.7	-155.28	-155.28	84.3	95.5	105.7	97.0	8.64		
4,200.0	4,182.8	4,197.5	4,189.3	5.7	5.8	-155.39	-155.39	90.2	104.2	111.6	102.8	8.79		
4,300.0	4,281.5	4,297.4	4,288.6	5.8	5.9	-155.48	-155.48	96.0	112.8	117.6	108.6	8.96		
4,400.0	4,380.3	4,397.2	4,387.9	5.9	6.0	-155.56	-155.56	101.8	121.5	123.5	114.4	9.12		
4,500.0	4,479.1	4,497.0	4,487.2	6.0	6.1	-155.63	-155.63	107.7	130.2	129.5	120.2	9.29		
4,600.0	4,577.8	4,596.8	4,586.4	6.1	6.2	-155.70	-155.70	113.5	138.8	135.4	125.9	9.47		
4,700.0	4,676.6	4,696.7	4,685.7	6.2	6.3	-155.76	-155.76	119.3	147.5	141.4	131.7	9.64		
4,800.0	4,775.4	4,796.5	4,785.0	6.3	6.4	-155.82	-155.82	125.1	156.1	147.3	137.5	9.82		
4,900.0	4,874.1	4,896.3	4,884.3	6.4	6.5	-155.87	-155.87	131.0	164.8	153.3	143.3	10.01		

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

ConocoPhillips

Anticollision Report

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Reference Well:	GREEN BERET FED COM #602H	Survey Calculation Method:	Minimum Curvature
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Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #801H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 11925-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
5,000.0	4,972.9	4,996.1	4,983.6	6.5	6.6	-155.92	136.8	173.4	159.2	149.0	10.19	15.622		
5,100.0	5,071.7	5,096.0	5,082.8	6.6	6.7	-155.97	142.6	182.1	165.2	154.8	10.38	15.910		
5,200.0	5,170.5	5,195.8	5,182.1	6.7	6.8	-156.01	148.4	190.7	171.1	160.6	10.57	16.184		
5,300.0	5,269.2	5,295.6	5,281.4	6.8	6.9	-156.05	154.3	199.4	177.1	166.3	10.77	16.444		
5,400.0	5,368.0	5,395.4	5,380.7	6.9	7.1	-156.09	160.1	208.0	183.0	172.1	10.97	16.691		
5,500.0	5,466.8	5,495.2	5,479.9	7.0	7.2	-156.12	165.9	216.7	189.0	177.8	11.17	16.925		
5,600.0	5,565.5	5,595.1	5,579.2	7.1	7.3	-156.15	171.8	225.4	194.9	183.6	11.37	17.148		
5,700.0	5,664.3	5,694.9	5,678.5	7.3	7.4	-156.18	177.6	234.0	200.9	189.3	11.57	17.359		
5,800.0	5,763.1	5,794.7	5,777.8	7.4	7.5	-156.21	183.4	242.7	206.9	195.1	11.78	17.560		
5,900.0	5,861.8	5,894.5	5,877.0	7.5	7.6	-156.24	189.2	251.3	212.8	200.8	11.99	17.751		
6,000.0	5,960.6	5,994.4	5,976.3	7.6	7.7	-156.27	195.1	260.0	218.8	206.6	12.20	17.932		
6,100.0	6,059.4	6,094.2	6,075.6	7.7	7.8	-156.29	200.9	268.6	224.7	212.3	12.41	18.105		
6,200.0	6,158.1	6,194.0	6,174.9	7.8	8.0	-156.31	206.7	277.3	230.7	218.0	12.63	18.269		
6,300.0	6,256.9	6,293.8	6,274.1	8.0	8.1	-156.33	212.6	285.9	236.6	223.8	12.84	18.424		
6,400.0	6,355.7	6,393.6	6,373.4	8.1	8.2	-156.36	218.4	294.6	242.6	229.5	13.06	18.573		
6,500.0	6,454.4	6,493.5	6,472.7	8.2	8.3	-156.37	224.2	303.2	248.5	235.3	13.28	18.714		
6,600.0	6,553.2	6,593.3	6,572.0	8.3	8.4	-156.39	230.0	311.9	254.5	241.0	13.50	18.848		
6,700.0	6,652.0	6,693.1	6,671.2	8.5	8.5	-156.41	235.9	320.6	260.4	246.7	13.73	18.975		
6,800.0	6,750.8	6,792.9	6,770.5	8.6	8.6	-156.43	241.7	329.2	266.4	252.4	13.95	19.097		
6,900.0	6,849.5	6,892.8	6,869.8	8.7	8.8	-156.45	247.5	337.9	272.4	258.2	14.18	19.213		
7,000.0	6,948.3	6,992.6	6,969.1	8.8	8.9	-156.46	253.4	346.5	278.3	263.9	14.40	19.323		
7,100.0	7,047.1	7,092.4	7,068.3	9.0	9.0	-156.48	259.2	355.2	284.3	269.6	14.63	19.428		
7,200.0	7,145.8	7,192.2	7,167.6	9.1	9.1	-156.49	265.0	363.8	290.2	275.4	14.86	19.527		
7,300.0	7,244.6	7,292.0	7,266.9	9.2	9.2	-156.50	270.8	372.5	296.2	281.1	15.09	19.623		
7,400.0	7,343.4	7,391.9	7,366.2	9.3	9.4	-156.52	276.7	381.1	302.1	286.8	15.33	19.713		
7,500.0	7,442.1	7,491.7	7,465.4	9.5	9.5	-156.53	282.5	389.8	308.1	292.5	15.56	19.799		
7,600.0	7,540.9	7,591.5	7,564.7	9.6	9.6	-156.54	288.3	398.4	314.0	298.2	15.80	19.882		
7,700.0	7,639.7	7,691.3	7,664.0	9.7	9.7	-156.55	294.2	407.1	320.0	304.0	16.03	19.960		
7,800.0	7,738.4	7,791.2	7,763.3	9.9	9.8	-156.57	300.0	415.8	325.9	309.7	16.27	20.035		
7,900.0	7,837.2	7,891.0	7,862.5	10.0	10.0	-156.58	305.8	424.4	331.9	315.4	16.51	20.106		
8,000.0	7,936.0	7,990.8	7,961.8	10.2	10.1	-156.59	311.6	433.1	337.9	321.1	16.75	20.173		
8,100.0	8,034.7	8,090.6	8,061.1	10.3	10.2	-156.60	317.5	441.7	343.8	326.8	16.99	20.238		
8,200.0	8,133.5	8,190.5	8,160.4	10.4	10.3	-156.61	323.3	450.4	349.8	332.5	17.23	20.300		
8,300.0	8,232.3	8,290.3	8,259.6	10.6	10.4	-156.62	329.1	459.0	355.7	338.2	17.47	20.358		
8,400.0	8,331.1	8,390.1	8,358.9	10.7	10.6	-156.63	335.0	467.7	361.7	344.0	17.72	20.414		
8,500.0	8,429.8	8,489.9	8,458.2	10.9	10.7	-156.64	340.8	476.3	367.6	349.7	17.96	20.467		
8,600.0	8,528.6	8,589.7	8,557.5	11.0	10.8	-156.64	346.6	485.0	373.6	355.4	18.21	20.518		
8,700.0	8,627.4	8,689.6	8,656.8	11.1	10.9	-156.65	352.4	493.6	379.5	361.1	18.45	20.566		
8,800.0	8,726.1	8,789.4	8,756.0	11.3	11.1	-156.66	358.3	502.3	385.5	366.8	18.70	20.612		
8,900.0	8,824.9	8,889.2	8,855.3	11.4	11.2	-156.67	364.1	511.0	391.4	372.5	18.95	20.656		
9,000.0	8,923.7	8,989.0	8,954.6	11.6	11.3	-156.68	369.9	519.6	397.4	378.2	19.20	20.698		
9,100.0	9,022.4	9,084.1	9,049.1	11.7	11.4	-156.74	375.1	527.3	403.9	384.4	19.46	20.758		
9,200.0	9,121.2	9,178.3	9,143.1	11.9	11.5	-156.92	379.4	533.7	411.7	392.0	19.72	20.872		
9,300.0	9,220.0	9,272.3	9,236.9	12.0	11.7	-157.22	382.9	538.8	420.8	400.8	20.00	21.040		
9,346.4	9,265.8	9,315.9	9,280.4	12.1	11.7	-157.39	384.2	540.8	425.5	405.4	20.13	21.136		
9,400.0	9,318.8	9,366.0	9,330.5	12.2	11.8	-157.63	385.4	542.6	431.1	410.8	20.29	21.251		
9,500.0	9,417.8	9,459.6	9,424.0	12.3	11.9	-158.08	387.1	545.2	441.3	420.7	20.58	21.447		
9,600.0	9,517.1	9,553.0	9,517.4	12.5	12.0	-158.55	388.0	546.4	451.2	430.4	20.86	21.633		
9,700.0	9,616.5	9,649.4	9,613.8	12.6	12.1	-159.03	388.1	546.6	460.7	439.6	21.10	21.838		
9,800.0	9,716.2	9,749.1	9,713.5	12.7	12.2	-159.44	388.1	546.6	468.8	447.5	21.30	22.016		
9,900.0	9,815.9	9,848.8	9,813.2	12.8	12.3	-159.75	388.1	546.6	475.3	453.8	21.48	22.124		

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

10/25/2021 10:00:10AM

Page 14

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #801H - OWB - PWP1													Offset Site Error: 3.0 usft	
Survey Program: 0-Standard Keeper 104, 11925-MWD+IFR1+FDIR		Reference Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,000.0	9,915.8	9,948.7	9,913.1	12.9	12.4	-159.98	388.1	546.6	480.2	458.5	21.66	22.165		
10,100.0	10,015.7	10,048.6	10,013.0	13.0	12.5	-160.13	388.1	546.6	483.4	461.6	21.83	22.140		
10,200.0	10,115.7	10,148.6	10,113.0	13.1	12.6	-160.20	388.1	546.6	485.0	463.0	22.00	22.046		
10,246.4	10,162.1	10,195.1	10,159.4	13.1	12.7	-91.41	388.1	546.6	485.2	463.1	22.06	21.996		
10,300.0	10,215.7	10,248.6	10,213.0	13.2	12.8	-91.41	388.1	546.6	485.2	463.0	22.11	21.946		
10,400.0	10,315.7	10,348.6	10,313.0	13.3	12.9	-91.41	388.1	546.6	485.2	463.0	22.20	21.854		
10,500.0	10,415.7	10,448.6	10,413.0	13.4	13.0	-91.41	388.1	546.6	485.2	462.9	22.29	21.763		
10,600.0	10,515.7	10,548.6	10,513.0	13.5	13.1	-91.41	388.1	546.6	485.2	462.8	22.39	21.672		
10,700.0	10,615.7	10,648.6	10,613.0	13.6	13.2	-91.41	388.1	546.6	485.2	462.7	22.48	21.581		
10,800.0	10,715.7	10,748.6	10,713.0	13.7	13.3	-91.41	388.1	546.6	485.2	462.6	22.58	21.490		
10,900.0	10,815.7	10,848.6	10,813.0	13.8	13.4	-91.41	388.1	546.6	485.2	462.5	22.67	21.400		
11,000.0	10,915.7	10,948.6	10,913.0	13.9	13.5	-91.41	388.1	546.6	485.2	462.4	22.77	21.310		
11,100.0	11,015.7	11,048.6	11,013.0	14.0	13.6	-91.41	388.1	546.6	485.2	462.3	22.86	21.220		
11,200.0	11,115.7	11,148.6	11,113.0	14.1	13.8	-91.41	388.1	546.6	485.2	462.2	22.96	21.131		
11,300.0	11,215.7	11,248.6	11,213.0	14.2	13.9	-91.41	388.1	546.6	485.2	462.1	23.06	21.042		
11,400.0	11,315.7	11,348.6	11,313.0	14.3	14.0	-91.41	388.1	546.6	485.2	462.0	23.15	20.953		
11,500.0	11,415.7	11,448.6	11,413.0	14.4	14.1	-91.41	388.1	546.6	485.2	461.9	23.25	20.865		
11,600.0	11,515.7	11,548.6	11,513.0	14.5	14.2	-91.41	388.1	546.6	485.2	461.8	23.35	20.777		
11,700.0	11,615.7	11,648.6	11,613.0	14.6	14.3	-91.41	388.1	546.6	485.2	461.7	23.45	20.689		
11,800.0	11,715.7	11,748.6	11,713.0	14.7	14.4	-91.41	388.1	546.6	485.2	461.6	23.55	20.602		
11,900.0	11,815.7	11,848.6	11,813.0	14.8	14.6	-91.41	388.1	546.6	485.2	461.5	23.65	20.515		
11,906.9	11,822.6	11,855.5	11,819.9	14.9	14.6	-91.41	388.1	546.6	485.2	461.5	23.66	20.509		
12,000.0	11,915.7	11,948.2	11,912.6	15.0	14.6	-91.47	387.5	546.6	485.2	461.4	23.74	20.436		
12,100.0	12,015.7	12,044.2	12,007.3	15.1	14.7	-93.15	373.3	546.7	485.6	461.6	24.04	20.203		
12,200.0	12,115.7	12,131.3	12,089.4	15.2	14.7	-96.56	344.3	547.0	488.4	463.6	24.74	19.743		
12,231.8	12,147.5	12,156.5	12,111.9	15.2	14.7	-97.86	333.1	547.1	490.2	465.4	24.74	19.810		
12,250.0	12,165.7	12,170.5	12,124.2	15.2	14.7	81.77	326.4	547.2	491.5	466.6	24.90	19.741		
12,275.0	12,190.6	12,189.4	12,140.5	15.2	14.7	80.55	316.8	547.3	493.4	468.3	25.12	19.642		
12,300.0	12,215.5	12,208.1	12,156.2	15.2	14.7	79.35	306.7	547.3	495.6	470.2	25.37	19.537		
12,325.0	12,240.1	12,225.0	12,170.1	15.2	14.7	78.25	297.0	547.4	497.9	472.2	25.64	19.417		
12,350.0	12,264.5	12,244.8	12,185.8	15.2	14.8	77.04	285.0	547.5	500.3	474.4	25.92	19.303		
12,375.0	12,288.6	12,262.9	12,199.8	15.2	14.8	75.92	273.5	547.7	502.9	476.6	26.23	19.173		
12,400.0	12,312.2	12,280.7	12,213.2	15.2	14.8	74.84	261.7	547.8	505.5	478.9	26.56	19.035		
12,425.0	12,335.5	12,300.0	12,227.0	15.2	14.8	73.74	248.3	547.9	508.2	481.3	26.89	18.901		
12,450.0	12,358.2	12,316.0	12,238.2	15.2	14.8	72.79	236.8	548.0	511.0	483.7	27.27	18.736		
12,475.0	12,380.3	12,333.5	12,249.9	15.3	14.8	71.82	223.9	548.1	513.8	486.1	27.66	18.578		
12,500.0	12,401.8	12,350.0	12,260.5	15.3	14.8	70.92	211.2	548.2	516.6	488.5	28.06	18.409		
12,525.0	12,422.6	12,367.9	12,271.5	15.3	14.9	70.01	197.1	548.4	519.3	490.9	28.45	18.253		
12,550.0	12,442.7	12,385.0	12,281.5	15.3	14.9	69.17	183.2	548.5	522.1	493.2	28.86	18.089		
12,575.0	12,461.9	12,400.0	12,289.9	15.3	14.9	68.43	170.8	548.6	524.7	495.4	29.30	17.908		
12,600.0	12,480.3	12,418.9	12,299.9	15.3	14.9	67.63	154.7	548.7	527.3	497.6	29.68	17.766		
12,625.0	12,497.7	12,435.7	12,308.2	15.4	14.9	66.92	140.2	548.9	529.8	499.7	30.09	17.610		
12,650.0	12,514.2	12,450.0	12,314.9	15.4	14.9	66.32	127.5	549.0	532.2	501.7	30.52	17.440		
12,675.0	12,529.7	12,469.1	12,323.2	15.4	15.0	65.66	110.3	549.2	534.5	503.6	30.87	17.314		
12,700.0	12,544.2	12,485.7	12,329.9	15.4	15.0	65.10	95.1	549.3	536.6	505.4	31.24	17.176		
12,725.0	12,557.6	12,500.0	12,335.2	15.5	15.0	64.63	81.9	549.4	538.6	507.0	31.62	17.033		
12,750.0	12,569.8	12,518.7	12,341.6	15.5	15.0	64.13	64.3	549.6	540.4	508.5	31.93	16.923		
12,775.0	12,580.9	12,535.2	12,346.6	15.5	15.0	63.72	48.6	549.7	542.1	509.8	32.25	16.810		
12,800.0	12,590.8	12,550.0	12,350.7	15.5	15.0	63.38	34.3	549.9	543.5	511.0	32.55	16.700		
12,825.0	12,599.4	12,568.0	12,355.0	15.5	15.0	63.05	16.9	550.0	544.8	512.0	32.80	16.611		
12,850.0	12,606.9	12,584.3	12,358.4	15.6	15.1	62.79	0.9	550.2	545.9	512.8	33.03	16.527		

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

10/25/2021 10:00:10AM

Page 15

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #801H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 11925-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
								+N/-S (usft)	+E/-W (usft)					
12,875.0	12,613.1	12,600.0	12,361.1	15.6	15.1	62.58		-14.5	550.3	546.8	513.5	33.24	16.451	
12,900.0	12,618.0	12,617.0	12,363.4	15.6	15.1	62.42		-31.3	550.5	547.4	514.0	33.41	16.387	
12,925.0	12,621.6	12,633.3	12,365.1	15.6	15.1	62.31		-47.6	550.6	547.9	514.4	33.55	16.332	
12,950.0	12,623.9	12,650.0	12,366.3	15.6	15.1	62.24		-64.2	550.8	548.2	514.5	33.66	16.287	
12,975.0	12,624.9	12,665.8	12,366.9	15.7	15.1	62.23		-80.1	550.9	548.2	514.5	33.73	16.254	
12,979.2	12,625.0	12,668.6	12,366.9	15.7	15.1	62.24		-82.8	550.9	548.2	514.5	33.74	16.249	
12,989.0	12,625.0	12,676.3	12,367.0	15.7	15.1	62.24		-90.5	551.0	548.2	514.4	33.76	16.235	
13,000.0	12,625.1	12,687.3	12,367.0	15.7	15.1	62.24		-101.5	551.1	548.2	514.4	33.81	16.214	
13,100.0	12,625.6	12,787.3	12,367.6	15.7	15.2	62.24		-201.5	552.0	548.2	513.9	34.27	15.995	
13,200.0	12,626.2	12,887.3	12,368.1	15.8	15.4	62.24		-301.5	553.0	548.2	513.4	34.81	15.748	
13,300.0	12,626.7	12,987.3	12,368.7	16.0	15.5	62.24		-401.5	553.9	548.2	512.8	35.42	15.477	
13,400.0	12,627.3	13,087.3	12,369.2	16.1	15.7	62.24		-501.5	554.8	548.2	512.1	36.10	15.186	
13,500.0	12,627.8	13,187.3	12,369.8	16.4	15.9	62.24		-601.5	555.7	548.2	511.3	36.84	14.879	
13,600.0	12,628.4	13,287.3	12,370.3	16.6	16.2	62.24		-701.5	556.6	548.2	510.5	37.65	14.561	
13,700.0	12,628.9	13,387.3	12,370.9	17.0	16.5	62.24		-801.5	557.6	548.2	509.7	38.51	14.235	
13,800.0	12,629.4	13,487.3	12,371.4	17.4	16.9	62.24		-901.5	558.5	548.2	508.8	39.42	13.905	
13,900.0	12,630.0	13,587.3	12,372.0	17.9	17.4	62.24		-1,001.5	559.4	548.2	507.8	40.39	13.572	
14,000.0	12,630.5	13,687.3	12,372.5	18.5	17.9	62.24		-1,101.5	560.3	548.2	506.8	41.40	13.241	
14,100.0	12,631.1	13,787.3	12,373.1	19.0	18.5	62.24		-1,201.5	561.2	548.2	505.7	42.45	12.912	
14,200.0	12,631.6	13,887.3	12,373.6	19.6	19.1	62.24		-1,301.4	562.2	548.2	504.6	43.55	12.588	
14,300.0	12,632.2	13,987.3	12,374.2	20.3	19.7	62.24		-1,401.4	563.1	548.2	503.5	44.68	12.269	
14,400.0	12,632.7	14,087.3	12,374.7	20.9	20.4	62.24		-1,501.4	564.0	548.2	502.3	45.85	11.957	
14,500.0	12,633.3	14,187.3	12,375.2	21.6	21.0	62.24		-1,601.4	564.9	548.2	501.1	47.04	11.653	
14,600.0	12,633.8	14,287.3	12,375.8	22.3	21.7	62.24		-1,701.4	565.9	548.2	499.9	48.27	11.357	
14,700.0	12,634.4	14,387.3	12,376.3	23.0	22.4	62.24		-1,801.4	566.8	548.2	498.6	49.52	11.069	
14,800.0	12,634.9	14,487.3	12,376.9	23.7	23.2	62.24		-1,901.4	567.7	548.2	497.4	50.80	10.790	
14,900.0	12,635.5	14,587.3	12,377.4	24.4	23.9	62.24		-2,001.4	568.6	548.2	496.1	52.10	10.521	
15,000.0	12,636.0	14,687.3	12,378.0	25.2	24.6	62.24		-2,101.4	569.5	548.2	494.7	53.43	10.260	
15,100.0	12,636.6	14,787.3	12,378.5	25.9	25.4	62.24		-2,201.4	570.5	548.2	493.4	54.77	10.008	
15,200.0	12,637.1	14,887.3	12,379.1	26.7	26.1	62.24		-2,301.4	571.4	548.2	492.0	56.13	9.766	
15,300.0	12,637.6	14,987.3	12,379.6	27.4	26.9	62.24		-2,401.4	572.3	548.2	490.6	57.51	9.531	
15,400.0	12,638.2	15,087.3	12,380.2	28.2	27.7	62.24		-2,501.4	573.2	548.2	489.2	58.91	9.305	
15,500.0	12,638.7	15,187.3	12,380.7	28.9	28.5	62.24		-2,601.4	574.1	548.2	487.8	60.32	9.088	
15,600.0	12,639.3	15,287.3	12,381.3	29.7	29.2	62.24		-2,701.4	575.1	548.2	486.4	61.74	8.878	
15,700.0	12,639.8	15,387.3	12,381.8	30.5	30.0	62.24		-2,801.4	576.0	548.2	485.0	63.18	8.676	
15,800.0	12,640.4	15,487.3	12,382.4	31.3	30.8	62.24		-2,901.4	576.9	548.2	483.5	64.63	8.482	
15,900.0	12,640.9	15,587.3	12,382.9	32.1	31.6	62.24		-3,001.3	577.8	548.1	482.1	66.09	8.294	
16,000.0	12,641.5	15,687.3	12,383.5	32.9	32.4	62.24		-3,101.3	578.8	548.1	480.6	67.56	8.114	
16,100.0	12,642.0	15,787.3	12,384.0	33.7	33.2	62.24		-3,201.3	579.7	548.1	479.1	69.04	7.939	
16,200.0	12,642.6	15,887.3	12,384.6	34.5	34.0	62.24		-3,301.3	580.6	548.1	477.6	70.53	7.772	
16,300.0	12,643.1	15,987.3	12,385.1	35.3	34.8	62.24		-3,401.3	581.5	548.1	476.1	72.03	7.610	
16,400.0	12,643.7	16,087.3	12,385.6	36.1	35.7	62.24		-3,501.3	582.4	548.1	474.6	73.54	7.454	
16,500.0	12,644.2	16,187.3	12,386.2	36.9	36.5	62.24		-3,601.3	583.4	548.1	473.1	75.05	7.303	
16,600.0	12,644.8	16,287.3	12,386.7	37.7	37.3	62.24		-3,701.3	584.3	548.1	471.6	76.57	7.158	
16,700.0	12,645.3	16,387.3	12,387.3	38.5	38.1	62.24		-3,801.3	585.2	548.1	470.0	78.10	7.018	
16,800.0	12,645.8	16,487.3	12,387.8	39.3	38.9	62.24		-3,901.3	586.1	548.1	468.5	79.64	6.883	
16,900.0	12,646.4	16,587.3	12,388.4	40.1	39.7	62.24		-4,001.3	587.1	548.1	467.0	81.18	6.752	
17,000.0	12,646.9	16,687.3	12,388.9	40.9	40.6	62.24		-4,101.3	588.0	548.1	465.4	82.73	6.626	
17,100.0	12,647.5	16,787.3	12,389.5	41.8	41.4	62.24		-4,201.3	588.9	548.1	463.9	84.28	6.504	
17,200.0	12,648.0	16,887.3	12,390.0	42.6	42.2	62.24		-4,301.3	589.8	548.1	462.3	85.84	6.386	
17,300.0	12,648.6	16,987.3	12,390.6	43.4	43.0	62.24		-4,401.3	590.7	548.1	460.7	87.40	6.272	

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

10/25/2021 10:00:10AM

Page 16

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

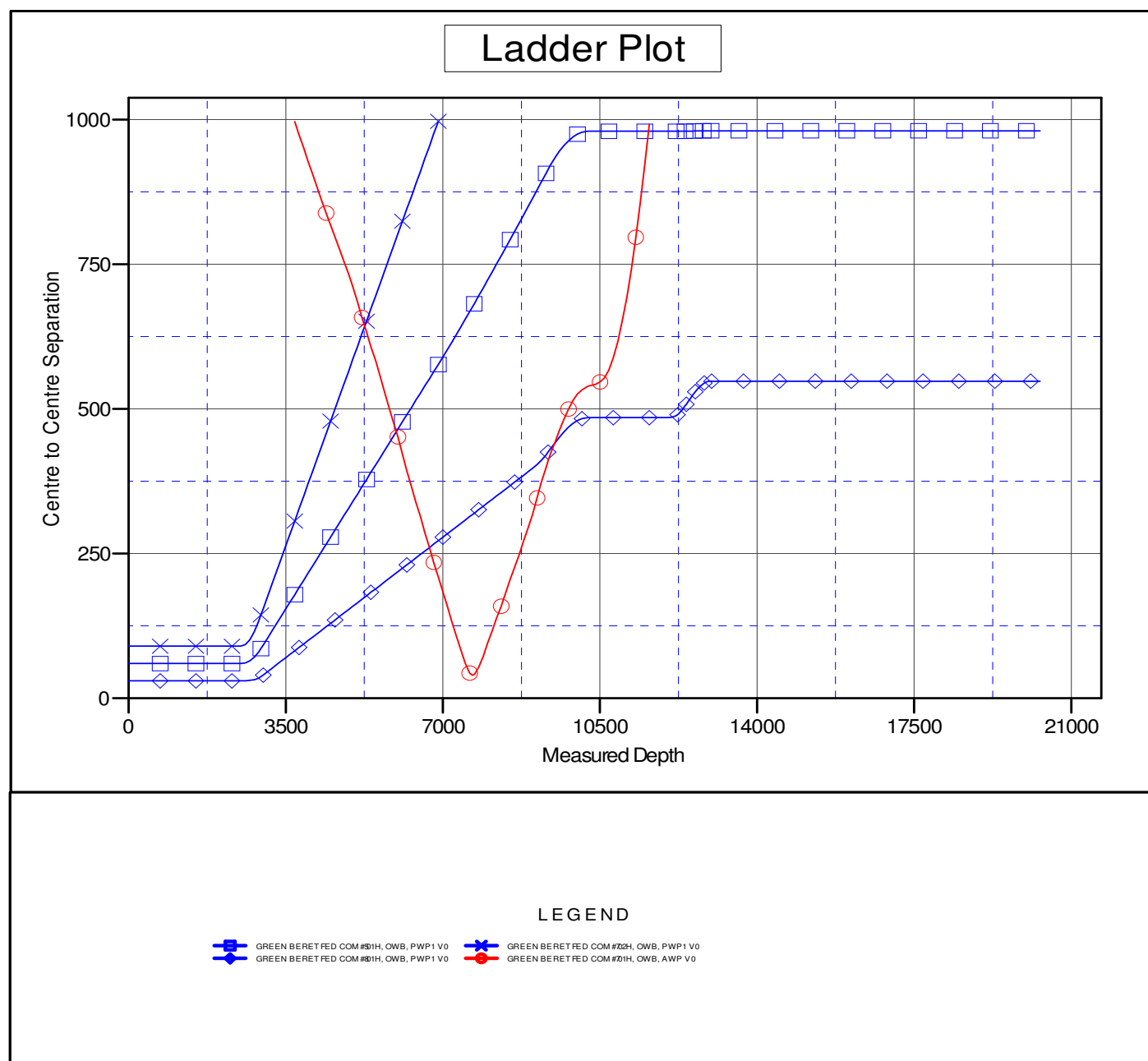
Offset Design: GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #801H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 11925-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,400.0	12,649.1	17,087.3	12,391.1	44.2	43.9	62.24	-4,501.3	591.7	548.1	459.2	88.97	6.161	
17,500.0	12,649.7	17,187.3	12,391.7	45.1	44.7	62.24	-4,601.3	592.6	548.1	457.6	90.54	6.054	
17,600.0	12,650.2	17,287.3	12,392.2	45.9	45.5	62.24	-4,701.3	593.5	548.1	456.0	92.11	5.951	
17,700.0	12,650.8	17,387.3	12,392.8	46.7	46.4	62.24	-4,801.2	594.4	548.1	454.4	93.69	5.850	
17,800.0	12,651.3	17,487.3	12,393.3	47.5	47.2	62.24	-4,901.2	595.3	548.1	452.8	95.28	5.753	
17,900.0	12,651.9	17,587.3	12,393.9	48.4	48.0	62.24	-5,001.2	596.3	548.1	451.3	96.86	5.659	
18,000.0	12,652.4	17,687.3	12,394.4	49.2	48.9	62.24	-5,101.2	597.2	548.1	449.7	98.45	5.567	
18,100.0	12,653.0	17,787.3	12,395.0	50.0	49.7	62.24	-5,201.2	598.1	548.1	448.1	100.05	5.479	
18,200.0	12,653.5	17,887.3	12,395.5	50.9	50.5	62.24	-5,301.2	599.0	548.1	446.5	101.64	5.393	
18,300.0	12,654.0	17,987.3	12,396.0	51.7	51.4	62.24	-5,401.2	600.0	548.1	444.9	103.24	5.309	
18,400.0	12,654.6	18,087.3	12,396.6	52.5	52.2	62.24	-5,501.2	600.9	548.1	443.3	104.84	5.228	
18,500.0	12,655.1	18,187.3	12,397.1	53.4	53.1	62.24	-5,601.2	601.8	548.1	441.7	106.45	5.149	
18,600.0	12,655.7	18,287.3	12,397.7	54.2	53.9	62.24	-5,701.2	602.7	548.1	440.1	108.05	5.073	
18,700.0	12,656.2	18,387.3	12,398.2	55.0	54.7	62.24	-5,801.2	603.6	548.1	438.5	109.66	4.998	
18,800.0	12,656.8	18,487.3	12,398.8	55.9	55.6	62.24	-5,901.2	604.6	548.1	436.8	111.28	4.926	
18,900.0	12,657.3	18,587.3	12,399.3	56.7	56.4	62.24	-6,001.2	605.5	548.1	435.2	112.89	4.855	
19,000.0	12,657.9	18,687.3	12,399.9	57.6	57.3	62.24	-6,101.2	606.4	548.1	433.6	114.51	4.787	
19,100.0	12,658.4	18,787.3	12,400.4	58.4	58.1	62.24	-6,201.2	607.3	548.1	432.0	116.12	4.720	
19,200.0	12,659.0	18,887.3	12,401.0	59.2	59.0	62.24	-6,301.2	608.3	548.1	430.4	117.74	4.655	
19,300.0	12,659.5	18,987.3	12,401.5	60.1	59.8	62.24	-6,401.2	609.2	548.1	428.7	119.37	4.592	
19,400.0	12,660.1	19,087.3	12,402.1	60.9	60.6	62.24	-6,501.1	610.1	548.1	427.1	120.99	4.530	
19,500.0	12,660.6	19,187.3	12,402.6	61.8	61.5	62.24	-6,601.1	611.0	548.1	425.5	122.62	4.470	
19,600.0	12,661.2	19,287.3	12,403.2	62.6	62.3	62.24	-6,701.1	611.9	548.1	423.9	124.24	4.412	
19,700.0	12,661.7	19,387.3	12,403.7	63.4	63.2	62.24	-6,801.1	612.9	548.1	422.2	125.87	4.354	
19,800.0	12,662.2	19,487.3	12,404.3	64.3	64.0	62.24	-6,901.1	613.8	548.1	420.6	127.50	4.299	
19,900.0	12,662.8	19,587.3	12,404.8	65.1	64.9	62.24	-7,001.1	614.7	548.1	419.0	129.13	4.244	
20,000.0	12,663.3	19,687.3	12,405.4	66.0	65.7	62.24	-7,101.1	615.6	548.1	417.3	130.77	4.191	
20,100.0	12,663.9	19,787.3	12,405.9	66.8	66.6	62.24	-7,201.1	616.5	548.1	415.7	132.40	4.140	
20,200.0	12,664.4	19,887.3	12,406.4	67.7	67.4	62.24	-7,301.1	617.5	548.1	414.1	134.04	4.089	
20,300.1	12,665.0	19,987.4	12,407.0	68.5	68.3	62.24	-7,401.2	618.4	548.1	412.4	135.68	4.040	
20,303.8	12,665.0	19,988.6	12,407.0	68.5	68.3	62.24	-7,402.4	618.4	548.1	412.4	135.73	4.038 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=30' @ 3310.2usft (SCAN QUEST) Coordinates are relative to: GREEN BERET FED COM #602H
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Central Meridian is 104° 20' 0.000 W Grid Convergence at Surface is: 0.50°



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

10/25/2021 10:00:10AM

Page 18

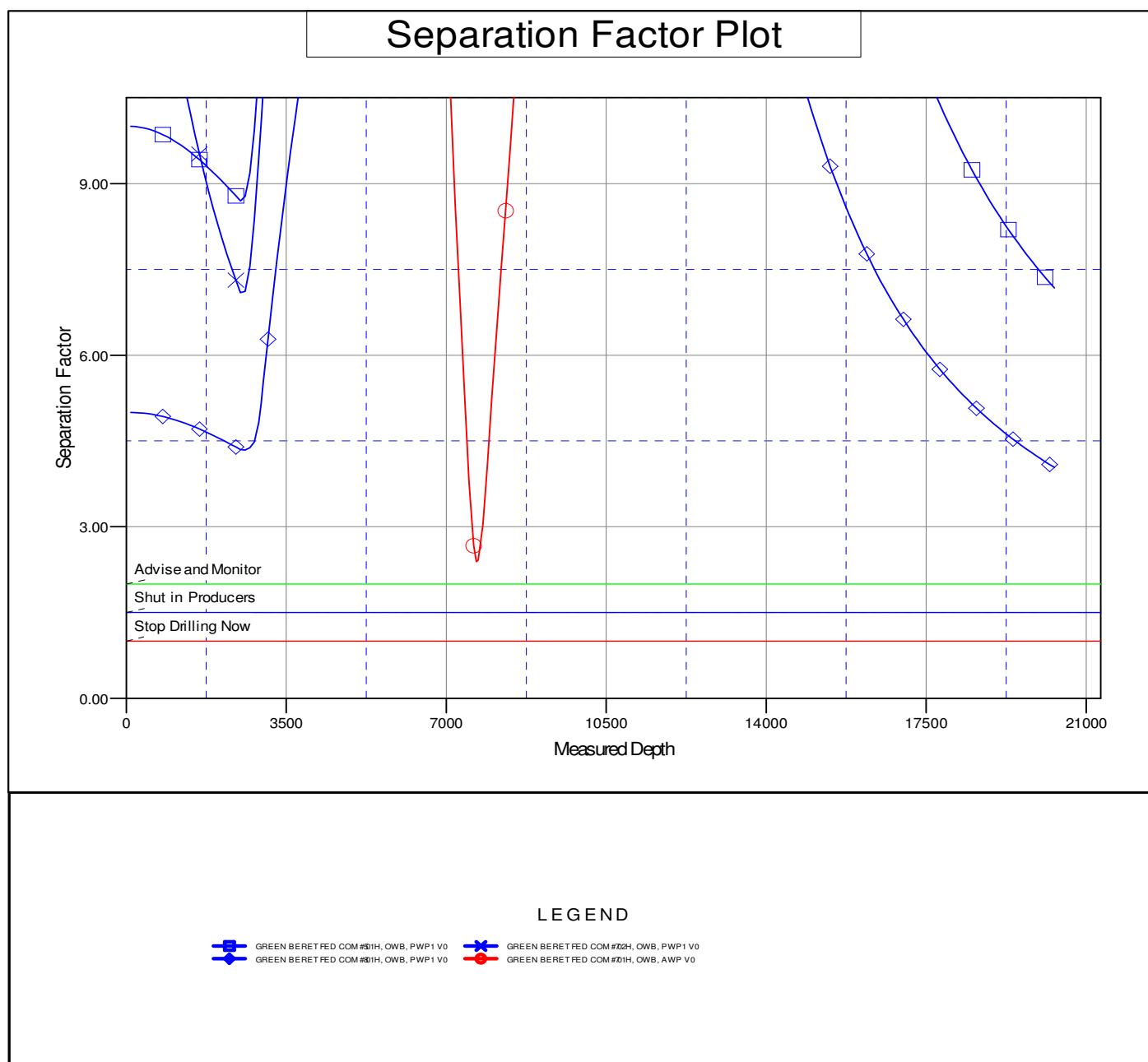
COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	GREEN BERET FED COM #602H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=30' @ 3310.2usft (SCAN QUEST) Coordinates are relative to: GREEN BERET FED COM #602H
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Central Meridian is 104° 20' 0.000 W Grid Convergence at Surface is: 0.50°



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

10/25/2021 10:00:10AM

Page 19

COMPASS 5000.15 Build 91E

DELAWARE BASIN EAST

BULLDOG PROSPECT (NM-E)

GREEN BERET FEDERAL PROJECT (BULLDOG 2535)

GREEN BERET FED COM #602H

OWB

Plan: PWP1

Standard Survey Report

25 October, 2021

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Well:	GREEN BERET FED COM #602H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Project	BULLDOG 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	GREEN BERET FED COM #602H				
Well Position	+N/-S	0.0 usft	Northing:	409,294.10 usft	Latitude: 32° 7' 18.228 N
	+E/-W	0.0 usft	Easting:	792,936.20 usft	Longitude: 103° 23' 13.662 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level: 3,280.2 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2021	10/25/2021	6.32	59.73	47,555.93634615

Design	PWP1				
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	171.52	

Survey Tool Program	Date	10/25/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	12,231.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
12,231.0	20,303.8	PWP1 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

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	

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Well:	GREEN BERET FED COM #602H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 2.00										
2,600.0	2.00	68.81	2,600.0	0.6	1.6	-0.4	2.00	2.00	0.00	
2,700.0	4.00	68.81	2,699.8	2.5	6.5	-1.5	2.00	2.00	0.00	
2,800.0	6.00	68.81	2,799.5	5.7	14.6	-3.5	2.00	2.00	0.00	
2,900.0	8.00	68.81	2,898.7	10.1	26.0	-6.1	2.00	2.00	0.00	
2,950.0	9.00	68.81	2,948.2	12.8	32.9	-7.8	2.00	2.00	0.00	
Start 6396.4 hold at 2950.0 MD										
3,000.0	9.00	68.81	2,997.5	15.6	40.2	-9.5	0.00	0.00	0.00	
3,100.0	9.00	68.81	3,096.3	21.2	54.8	-12.9	0.00	0.00	0.00	
3,200.0	9.00	68.81	3,195.1	26.9	69.3	-16.4	0.00	0.00	0.00	
3,300.0	9.00	68.81	3,293.8	32.5	83.9	-19.8	0.00	0.00	0.00	
3,400.0	9.00	68.81	3,392.6	38.2	98.5	-23.3	0.00	0.00	0.00	
3,500.0	9.00	68.81	3,491.4	43.9	113.1	-26.7	0.00	0.00	0.00	
3,600.0	9.00	68.81	3,590.1	49.5	127.7	-30.1	0.00	0.00	0.00	
3,700.0	9.00	68.81	3,688.9	55.2	142.3	-33.6	0.00	0.00	0.00	
3,800.0	9.00	68.81	3,787.7	60.8	156.9	-37.0	0.00	0.00	0.00	
3,900.0	9.00	68.81	3,886.5	66.5	171.4	-40.5	0.00	0.00	0.00	
4,000.0	9.00	68.81	3,985.2	72.1	186.0	-43.9	0.00	0.00	0.00	
4,100.0	9.00	68.81	4,084.0	77.8	200.6	-47.3	0.00	0.00	0.00	
4,200.0	9.00	68.81	4,182.8	83.4	215.2	-50.8	0.00	0.00	0.00	
4,300.0	9.00	68.81	4,281.5	89.1	229.8	-54.2	0.00	0.00	0.00	
4,400.0	9.00	68.81	4,380.3	94.8	244.4	-57.7	0.00	0.00	0.00	
4,500.0	9.00	68.81	4,479.1	100.4	259.0	-61.1	0.00	0.00	0.00	
4,600.0	9.00	68.81	4,577.8	106.1	273.5	-64.6	0.00	0.00	0.00	
4,700.0	9.00	68.81	4,676.6	111.7	288.1	-68.0	0.00	0.00	0.00	
4,800.0	9.00	68.81	4,775.4	117.4	302.7	-71.4	0.00	0.00	0.00	
4,900.0	9.00	68.81	4,874.1	123.0	317.3	-74.9	0.00	0.00	0.00	
5,000.0	9.00	68.81	4,972.9	128.7	331.9	-78.3	0.00	0.00	0.00	
5,100.0	9.00	68.81	5,071.7	134.3	346.5	-81.8	0.00	0.00	0.00	
5,200.0	9.00	68.81	5,170.5	140.0	361.1	-85.2	0.00	0.00	0.00	
5,300.0	9.00	68.81	5,269.2	145.7	375.6	-88.7	0.00	0.00	0.00	

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Well:	GREEN BERET FED COM #602H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)
5,400.0	9.00	68.81	5,368.0	151.3	390.2	-92.1	0.00	0.00	0.00
5,500.0	9.00	68.81	5,466.8	157.0	404.8	-95.5	0.00	0.00	0.00
5,600.0	9.00	68.81	5,565.5	162.6	419.4	-99.0	0.00	0.00	0.00
5,700.0	9.00	68.81	5,664.3	168.3	434.0	-102.4	0.00	0.00	0.00
5,800.0	9.00	68.81	5,763.1	173.9	448.6	-105.9	0.00	0.00	0.00
5,900.0	9.00	68.81	5,861.8	179.6	463.2	-109.3	0.00	0.00	0.00
6,000.0	9.00	68.81	5,960.6	185.2	477.7	-112.8	0.00	0.00	0.00
6,100.0	9.00	68.81	6,059.4	190.9	492.3	-116.2	0.00	0.00	0.00
6,200.0	9.00	68.81	6,158.1	196.6	506.9	-119.6	0.00	0.00	0.00
6,300.0	9.00	68.81	6,256.9	202.2	521.5	-123.1	0.00	0.00	0.00
6,400.0	9.00	68.81	6,355.7	207.9	536.1	-126.5	0.00	0.00	0.00
6,500.0	9.00	68.81	6,454.4	213.5	550.7	-130.0	0.00	0.00	0.00
6,600.0	9.00	68.81	6,553.2	219.2	565.3	-133.4	0.00	0.00	0.00
6,700.0	9.00	68.81	6,652.0	224.8	579.8	-136.8	0.00	0.00	0.00
6,800.0	9.00	68.81	6,750.8	230.5	594.4	-140.3	0.00	0.00	0.00
6,900.0	9.00	68.81	6,849.5	236.1	609.0	-143.7	0.00	0.00	0.00
7,000.0	9.00	68.81	6,948.3	241.8	623.6	-147.2	0.00	0.00	0.00
7,100.0	9.00	68.81	7,047.1	247.5	638.2	-150.6	0.00	0.00	0.00
7,200.0	9.00	68.81	7,145.8	253.1	652.8	-154.1	0.00	0.00	0.00
7,300.0	9.00	68.81	7,244.6	258.8	667.3	-157.5	0.00	0.00	0.00
7,400.0	9.00	68.81	7,343.4	264.4	681.9	-160.9	0.00	0.00	0.00
7,500.0	9.00	68.81	7,442.1	270.1	696.5	-164.4	0.00	0.00	0.00
7,600.0	9.00	68.81	7,540.9	275.7	711.1	-167.8	0.00	0.00	0.00
7,700.0	9.00	68.81	7,639.7	281.4	725.7	-171.3	0.00	0.00	0.00
7,800.0	9.00	68.81	7,738.4	287.0	740.3	-174.7	0.00	0.00	0.00
7,900.0	9.00	68.81	7,837.2	292.7	754.9	-178.2	0.00	0.00	0.00
8,000.0	9.00	68.81	7,936.0	298.4	769.4	-181.6	0.00	0.00	0.00
8,100.0	9.00	68.81	8,034.7	304.0	784.0	-185.0	0.00	0.00	0.00
8,200.0	9.00	68.81	8,133.5	309.7	798.6	-188.5	0.00	0.00	0.00
8,300.0	9.00	68.81	8,232.3	315.3	813.2	-191.9	0.00	0.00	0.00
8,400.0	9.00	68.81	8,331.1	321.0	827.8	-195.4	0.00	0.00	0.00
8,500.0	9.00	68.81	8,429.8	326.6	842.4	-198.8	0.00	0.00	0.00
8,600.0	9.00	68.81	8,528.6	332.3	857.0	-202.3	0.00	0.00	0.00
8,700.0	9.00	68.81	8,627.4	337.9	871.5	-205.7	0.00	0.00	0.00
8,800.0	9.00	68.81	8,726.1	343.6	886.1	-209.1	0.00	0.00	0.00
8,900.0	9.00	68.81	8,824.9	349.2	900.7	-212.6	0.00	0.00	0.00
9,000.0	9.00	68.81	8,923.7	354.9	915.3	-216.0	0.00	0.00	0.00
9,100.0	9.00	68.81	9,022.4	360.6	929.9	-219.5	0.00	0.00	0.00
9,200.0	9.00	68.81	9,121.2	366.2	944.5	-222.9	0.00	0.00	0.00
9,300.0	9.00	68.81	9,220.0	371.9	959.1	-226.3	0.00	0.00	0.00
9,346.4	9.00	68.81	9,265.8	374.5	965.8	-227.9	0.00	0.00	0.00
Start Drop -1.00									

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Well:	GREEN BERET FED COM #602H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)
9,400.0	8.46	68.81	9,318.8	377.4	973.4	-229.7	1.00	-1.00	0.00
9,500.0	7.46	68.81	9,417.8	382.4	986.3	-232.8	1.00	-1.00	0.00
9,600.0	6.46	68.81	9,517.1	386.8	997.6	-235.5	1.00	-1.00	0.00
9,700.0	5.46	68.81	9,616.5	390.6	1,007.3	-237.7	1.00	-1.00	0.00
9,800.0	4.46	68.81	9,716.2	393.7	1,015.4	-239.6	1.00	-1.00	0.00
9,900.0	3.46	68.81	9,815.9	396.2	1,021.8	-241.2	1.00	-1.00	0.00
10,000.0	2.46	68.81	9,915.8	398.1	1,026.7	-242.3	1.00	-1.00	0.00
10,100.0	1.46	68.81	10,015.7	399.3	1,029.9	-243.1	1.00	-1.00	0.00
10,200.0	0.46	68.81	10,115.7	399.9	1,031.4	-243.4	1.00	-1.00	0.00
10,246.4	0.00	0.00	10,162.1	400.0	1,031.6	-243.5	1.00	-1.00	0.00
Start 1985.4 hold at 10246.4 MD									
10,300.0	0.00	0.00	10,215.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
10,400.0	0.00	0.00	10,315.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
10,500.0	0.00	0.00	10,415.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
10,600.0	0.00	0.00	10,515.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
10,700.0	0.00	0.00	10,615.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
10,800.0	0.00	0.00	10,715.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
10,900.0	0.00	0.00	10,815.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,000.0	0.00	0.00	10,915.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,100.0	0.00	0.00	11,015.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,200.0	0.00	0.00	11,115.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,300.0	0.00	0.00	11,215.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,400.0	0.00	0.00	11,315.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,500.0	0.00	0.00	11,415.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,600.0	0.00	0.00	11,515.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,700.0	0.00	0.00	11,615.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,800.0	0.00	0.00	11,715.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
11,900.0	0.00	0.00	11,815.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
12,000.0	0.00	0.00	11,915.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
12,100.0	0.00	0.00	12,015.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
12,200.0	0.00	0.00	12,115.7	400.0	1,031.6	-243.5	0.00	0.00	0.00
12,231.8	0.00	0.00	12,147.5	400.0	1,031.6	-243.5	0.00	0.00	0.00
Start DLS 12.00 TFO 179.47									
12,300.0	8.18	179.47	12,215.5	395.1	1,031.6	-238.7	12.00	12.00	0.00
12,400.0	20.18	179.47	12,312.2	370.7	1,031.9	-214.4	12.00	12.00	0.00
12,500.0	32.18	179.47	12,401.8	326.6	1,032.3	-170.8	12.00	12.00	0.00
12,600.0	44.18	179.47	12,480.3	264.9	1,032.8	-109.7	12.00	12.00	0.00
12,700.0	56.18	179.47	12,544.2	188.3	1,033.5	-33.8	12.00	12.00	0.00
12,800.0	68.18	179.47	12,590.8	100.0	1,034.4	53.7	12.00	12.00	0.00
12,900.0	80.18	179.47	12,618.0	3.9	1,035.2	148.8	12.00	12.00	0.00
12,979.2	89.69	179.47	12,625.0	-74.8	1,036.0	226.8	12.00	12.00	0.00
Start 7324.6 hold at 12979.2 MD									
13,000.0	89.69	179.47	12,625.1	-95.6	1,036.2	247.4	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Well:	GREEN BERET FED COM #602H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,100.0	89.69	179.47	12,625.6	-195.6	1,037.1	346.5	0.00	0.00	0.00
13,200.0	89.69	179.47	12,626.2	-295.6	1,038.0	445.5	0.00	0.00	0.00
13,300.0	89.69	179.47	12,626.7	-395.6	1,038.9	544.5	0.00	0.00	0.00
13,400.0	89.69	179.47	12,627.3	-495.6	1,039.8	643.6	0.00	0.00	0.00
13,500.0	89.69	179.47	12,627.8	-595.6	1,040.8	742.6	0.00	0.00	0.00
13,600.0	89.69	179.47	12,628.4	-695.6	1,041.7	841.7	0.00	0.00	0.00
13,700.0	89.69	179.47	12,628.9	-795.6	1,042.6	940.7	0.00	0.00	0.00
13,800.0	89.69	179.47	12,629.4	-895.6	1,043.5	1,039.7	0.00	0.00	0.00
13,900.0	89.69	179.47	12,630.0	-995.6	1,044.4	1,138.8	0.00	0.00	0.00
14,000.0	89.69	179.47	12,630.5	-1,095.6	1,045.4	1,237.8	0.00	0.00	0.00
14,100.0	89.69	179.47	12,631.1	-1,195.6	1,046.3	1,336.8	0.00	0.00	0.00
14,200.0	89.69	179.47	12,631.6	-1,295.6	1,047.2	1,435.9	0.00	0.00	0.00
14,300.0	89.69	179.47	12,632.2	-1,395.6	1,048.1	1,534.9	0.00	0.00	0.00
14,400.0	89.69	179.47	12,632.7	-1,495.6	1,049.1	1,633.9	0.00	0.00	0.00
14,500.0	89.69	179.47	12,633.3	-1,595.6	1,050.0	1,733.0	0.00	0.00	0.00
14,600.0	89.69	179.47	12,633.8	-1,695.6	1,050.9	1,832.0	0.00	0.00	0.00
14,700.0	89.69	179.47	12,634.4	-1,795.6	1,051.8	1,931.1	0.00	0.00	0.00
14,800.0	89.69	179.47	12,634.9	-1,895.5	1,052.7	2,030.1	0.00	0.00	0.00
14,900.0	89.69	179.47	12,635.5	-1,995.5	1,053.7	2,129.1	0.00	0.00	0.00
15,000.0	89.69	179.47	12,636.0	-2,095.5	1,054.6	2,228.2	0.00	0.00	0.00
15,100.0	89.69	179.47	12,636.6	-2,195.5	1,055.5	2,327.2	0.00	0.00	0.00
15,200.0	89.69	179.47	12,637.1	-2,295.5	1,056.4	2,426.2	0.00	0.00	0.00
15,300.0	89.69	179.47	12,637.6	-2,395.5	1,057.3	2,525.3	0.00	0.00	0.00
15,400.0	89.69	179.47	12,638.2	-2,495.5	1,058.3	2,624.3	0.00	0.00	0.00
15,500.0	89.69	179.47	12,638.7	-2,595.5	1,059.2	2,723.3	0.00	0.00	0.00
15,600.0	89.69	179.47	12,639.3	-2,695.5	1,060.1	2,822.4	0.00	0.00	0.00
15,700.0	89.69	179.47	12,639.8	-2,795.5	1,061.0	2,921.4	0.00	0.00	0.00
15,800.0	89.69	179.47	12,640.4	-2,895.5	1,061.9	3,020.5	0.00	0.00	0.00
15,900.0	89.69	179.47	12,640.9	-2,995.5	1,062.9	3,119.5	0.00	0.00	0.00
16,000.0	89.69	179.47	12,641.5	-3,095.5	1,063.8	3,218.5	0.00	0.00	0.00
16,100.0	89.69	179.47	12,642.0	-3,195.5	1,064.7	3,317.6	0.00	0.00	0.00
16,200.0	89.69	179.47	12,642.6	-3,295.5	1,065.6	3,416.6	0.00	0.00	0.00
16,300.0	89.69	179.47	12,643.1	-3,395.5	1,066.5	3,515.6	0.00	0.00	0.00
16,400.0	89.69	179.47	12,643.7	-3,495.5	1,067.5	3,614.7	0.00	0.00	0.00
16,500.0	89.69	179.47	12,644.2	-3,595.4	1,068.4	3,713.7	0.00	0.00	0.00
16,600.0	89.69	179.47	12,644.8	-3,695.4	1,069.3	3,812.7	0.00	0.00	0.00
16,700.0	89.69	179.47	12,645.3	-3,795.4	1,070.2	3,911.8	0.00	0.00	0.00
16,800.0	89.69	179.47	12,645.8	-3,895.4	1,071.1	4,010.8	0.00	0.00	0.00
16,900.0	89.69	179.47	12,646.4	-3,995.4	1,072.1	4,109.9	0.00	0.00	0.00
17,000.0	89.69	179.47	12,646.9	-4,095.4	1,073.0	4,208.9	0.00	0.00	0.00
17,100.0	89.69	179.47	12,647.5	-4,195.4	1,073.9	4,307.9	0.00	0.00	0.00
17,200.0	89.69	179.47	12,648.0	-4,295.4	1,074.8	4,407.0	0.00	0.00	0.00
17,300.0	89.69	179.47	12,648.6	-4,395.4	1,075.7	4,506.0	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Well:	GREEN BERET FED COM #602H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,400.0	89.69	179.47	12,649.1	-4,495.4	1,076.7	4,605.0	0.00	0.00	0.00
17,500.0	89.69	179.47	12,649.7	-4,595.4	1,077.6	4,704.1	0.00	0.00	0.00
17,600.0	89.69	179.47	12,650.2	-4,695.4	1,078.5	4,803.1	0.00	0.00	0.00
17,700.0	89.69	179.47	12,650.8	-4,795.4	1,079.4	4,902.1	0.00	0.00	0.00
17,800.0	89.69	179.47	12,651.3	-4,895.4	1,080.4	5,001.2	0.00	0.00	0.00
17,900.0	89.69	179.47	12,651.9	-4,995.4	1,081.3	5,100.2	0.00	0.00	0.00
18,000.0	89.69	179.47	12,652.4	-5,095.4	1,082.2	5,199.3	0.00	0.00	0.00
18,100.0	89.69	179.47	12,653.0	-5,195.4	1,083.1	5,298.3	0.00	0.00	0.00
18,200.0	89.69	179.47	12,653.5	-5,295.3	1,084.0	5,397.3	0.00	0.00	0.00
18,300.0	89.69	179.47	12,654.0	-5,395.3	1,085.0	5,496.4	0.00	0.00	0.00
18,400.0	89.69	179.47	12,654.6	-5,495.3	1,085.9	5,595.4	0.00	0.00	0.00
18,500.0	89.69	179.47	12,655.1	-5,595.3	1,086.8	5,694.4	0.00	0.00	0.00
18,600.0	89.69	179.47	12,655.7	-5,695.3	1,087.7	5,793.5	0.00	0.00	0.00
18,700.0	89.69	179.47	12,656.2	-5,795.3	1,088.6	5,892.5	0.00	0.00	0.00
18,800.0	89.69	179.47	12,656.8	-5,895.3	1,089.6	5,991.5	0.00	0.00	0.00
18,900.0	89.69	179.47	12,657.3	-5,995.3	1,090.5	6,090.6	0.00	0.00	0.00
19,000.0	89.69	179.47	12,657.9	-6,095.3	1,091.4	6,189.6	0.00	0.00	0.00
19,100.0	89.69	179.47	12,658.4	-6,195.3	1,092.3	6,288.7	0.00	0.00	0.00
19,200.0	89.69	179.47	12,659.0	-6,295.3	1,093.2	6,387.7	0.00	0.00	0.00
19,300.0	89.69	179.47	12,659.5	-6,395.3	1,094.2	6,486.7	0.00	0.00	0.00
19,400.0	89.69	179.47	12,660.1	-6,495.3	1,095.1	6,585.8	0.00	0.00	0.00
19,500.0	89.69	179.47	12,660.6	-6,595.3	1,096.0	6,684.8	0.00	0.00	0.00
19,600.0	89.69	179.47	12,661.2	-6,695.3	1,096.9	6,783.8	0.00	0.00	0.00
19,700.0	89.69	179.47	12,661.7	-6,795.3	1,097.8	6,882.9	0.00	0.00	0.00
19,800.0	89.69	179.47	12,662.2	-6,895.3	1,098.8	6,981.9	0.00	0.00	0.00
19,900.0	89.69	179.47	12,662.8	-6,995.3	1,099.7	7,080.9	0.00	0.00	0.00
20,000.0	89.69	179.47	12,663.3	-7,095.2	1,100.6	7,180.0	0.00	0.00	0.00
20,100.0	89.69	179.47	12,663.9	-7,195.2	1,101.5	7,279.0	0.00	0.00	0.00
20,200.0	89.69	179.47	12,664.4	-7,295.2	1,102.4	7,378.1	0.00	0.00	0.00
20,300.0	89.69	179.47	12,665.0	-7,395.2	1,103.4	7,477.1	0.00	0.00	0.00
20,303.8	89.69	179.47	12,665.0	-7,399.0	1,103.4	7,480.8	0.00	0.00	0.00
TD at 20303.8									

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well GREEN BERET FED COM #602H
Project:	BULLDOG PROSPECT (NM-E)	TVD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	MD Reference:	KB=30' @ 3310.2usft (SCAN QUEST)
Well:	GREEN BERET FED COM #602H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (GREEN BERET - plan misses target center by 178.0usft at 12611.3usft MD (12488.3 TVD, 257.0 N, 1032.9 E) - Circle (radius 50.0)	0.00	0.00	12,625.0	370.9	1,031.6	409,665.00	793,967.80	32° 7' 21.809 N	103° 23' 1.629 W
LTP (GREEN BERET - plan misses target center by 0.3usft at 20253.9usft MD (12664.7 TVD, -7349.1 N, 1102.9 E) - Point	0.00	0.00	12,665.0	-7,349.1	1,103.0	401,944.99	794,039.18	32° 6' 5.411 N	103° 23' 1.590 W
PBHL (GREEN BERE - plan hits target center - Rectangle (sides W100.0 H7,771.1 D20.0)	-0.31	359.47	12,665.0	-7,399.0	1,103.4	401,895.10	794,039.60	32° 6' 4.918 N	103° 23' 1.591 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2500	2500	0	0	Start Build 2.00
2950	2948	13	33	Start 6396.4 hold at 2950.0 MD
9346	9266	374	966	Start Drop -1.00
10,246	10,162	400	1032	Start 1985.4 hold at 10246.4 MD
12,232	12,147	400	1032	Start DLS 12.00 TFO 179.47
12,979	12,625	-75	1036	Start 7324.6 hold at 12979.2 MD
20,304	12,665	-7399	1103	TD at 20303.8

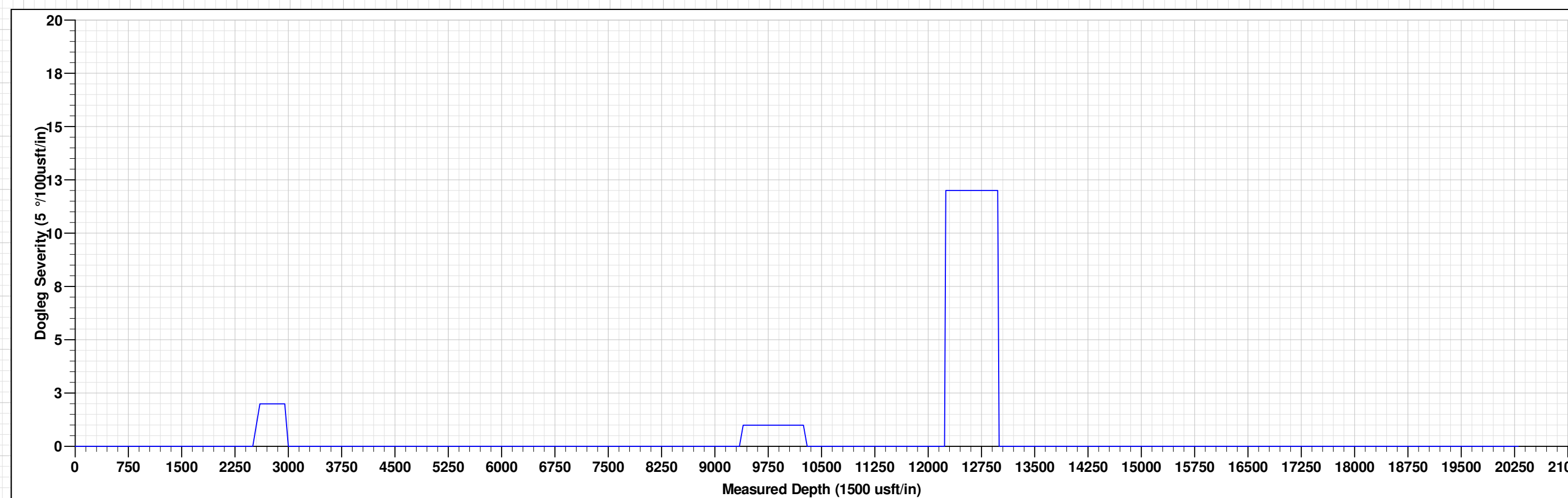
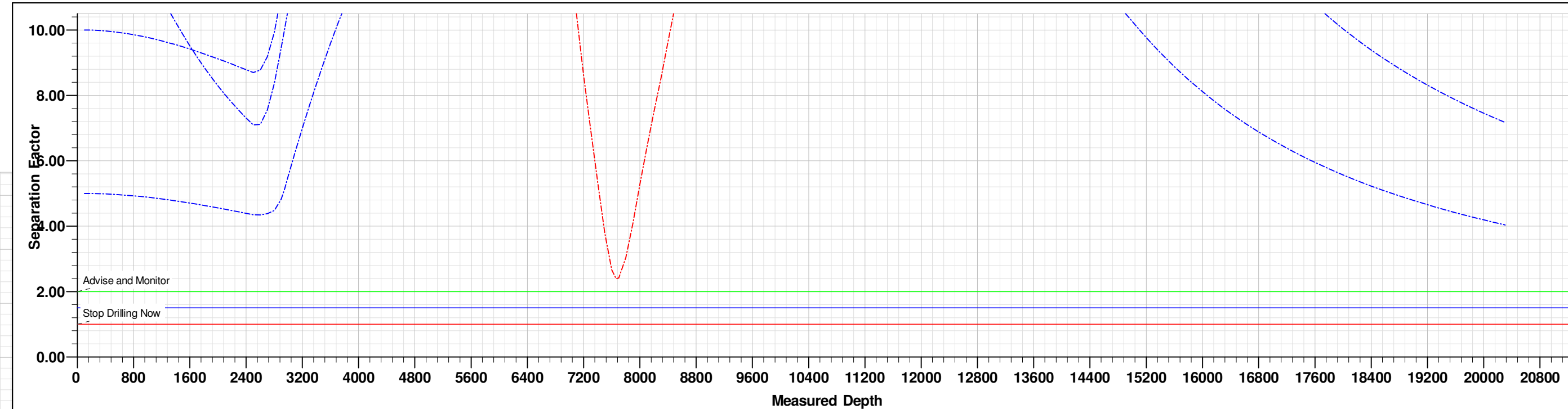
Checked By: _____ Approved By: _____ Date: _____

WELL DETAILS: GREEN BERET FED COM #602H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	409294.10	792936.20	32° 7' 18.228 N	103° 23' 13.662 W

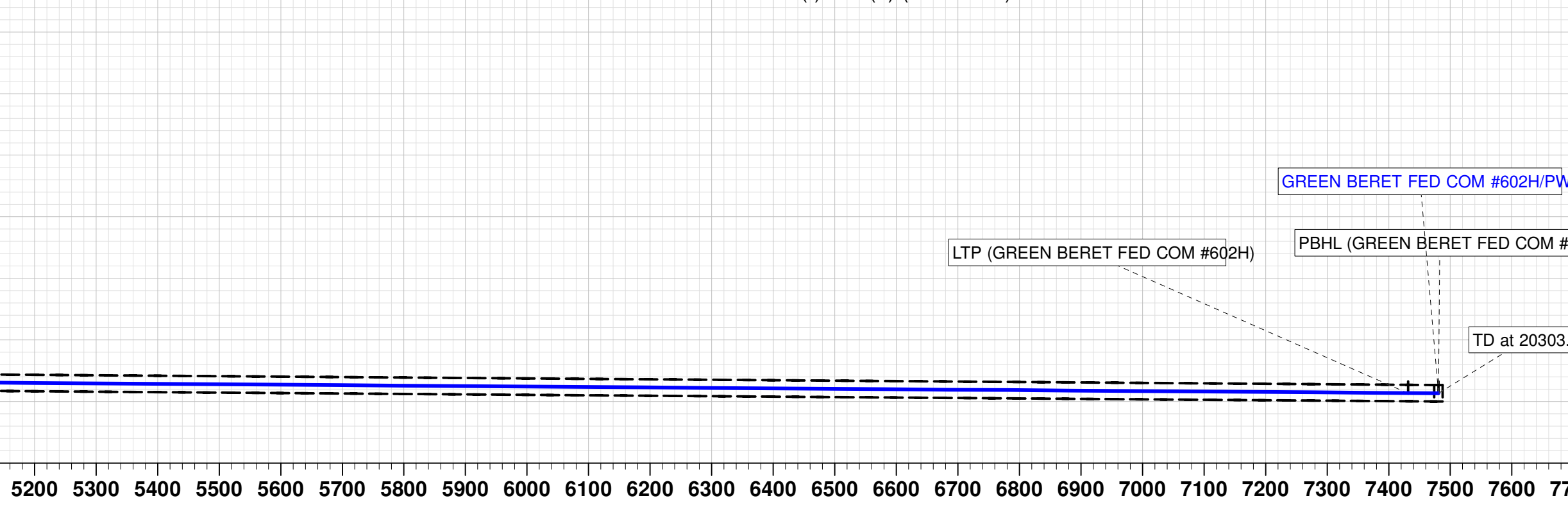
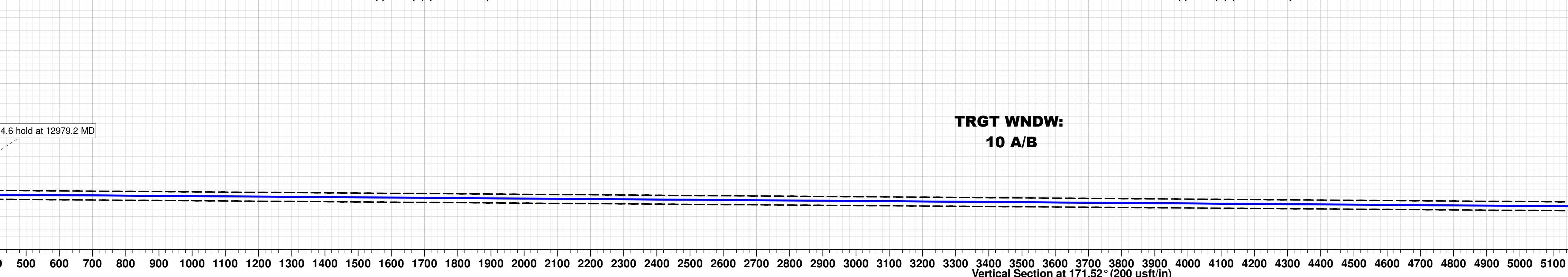
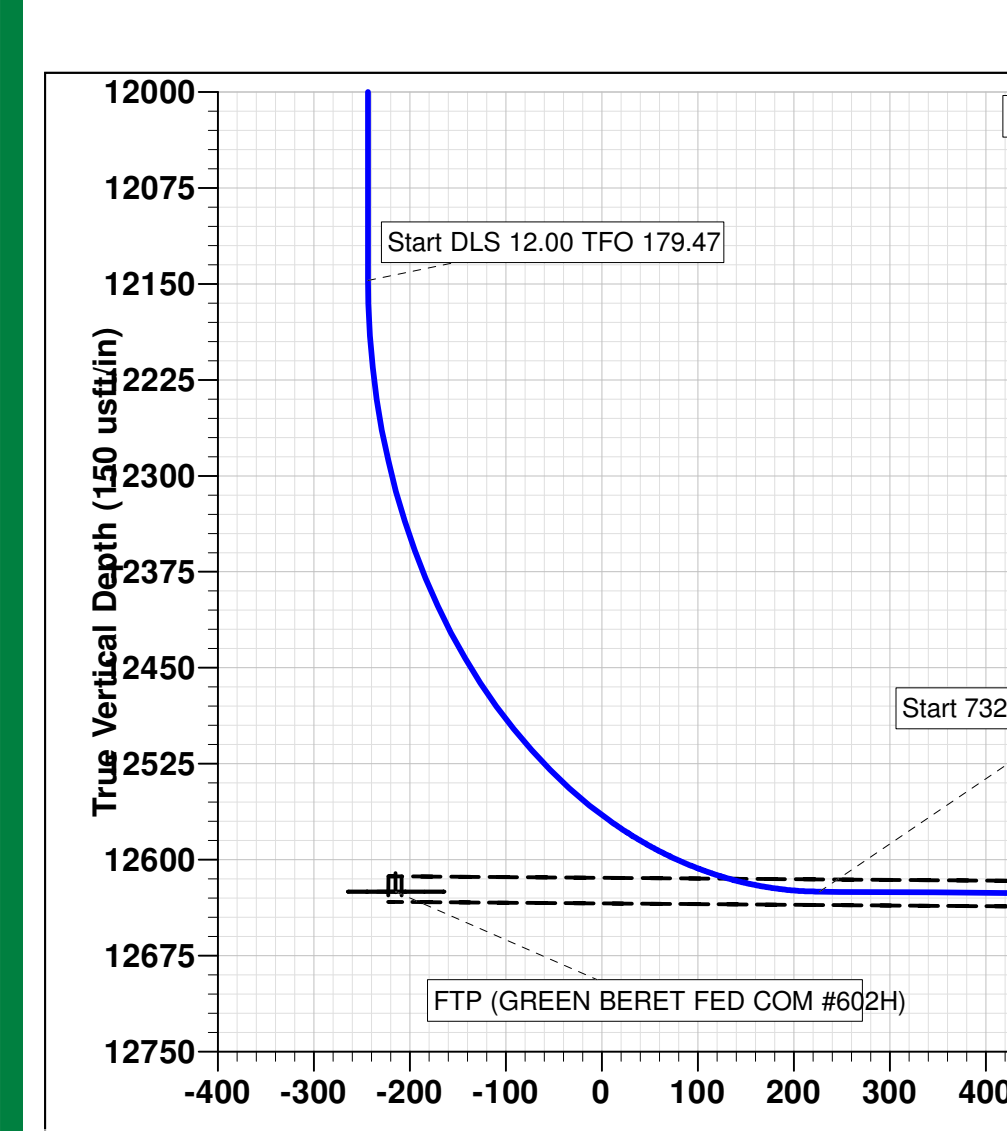
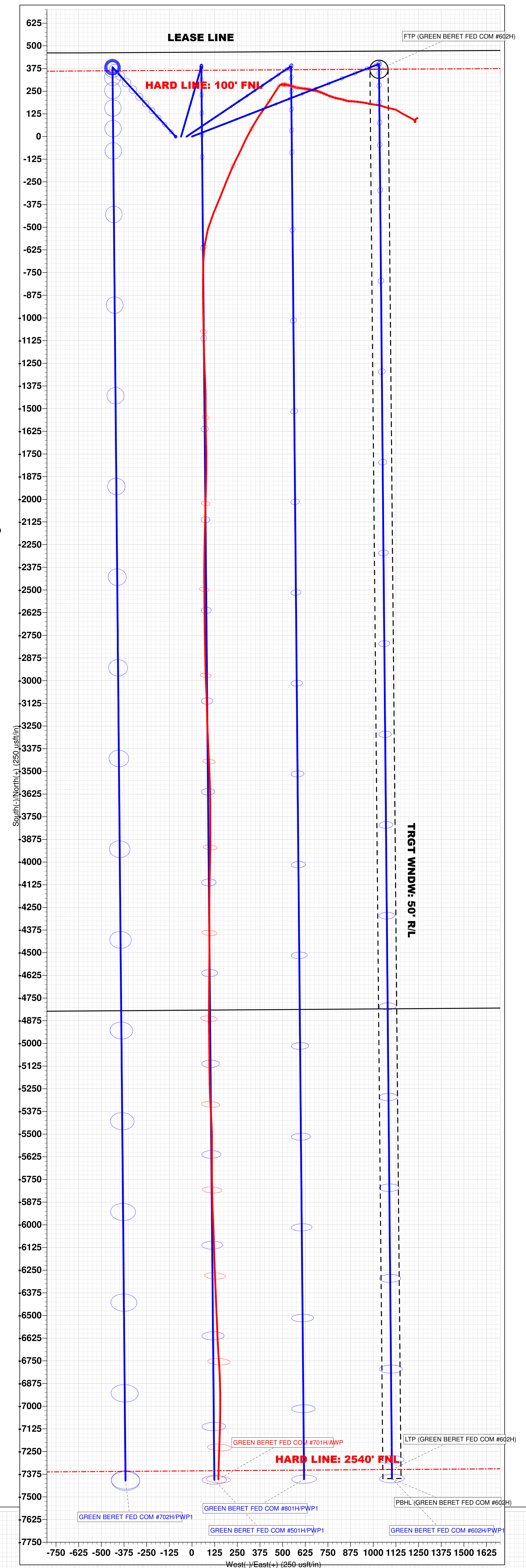
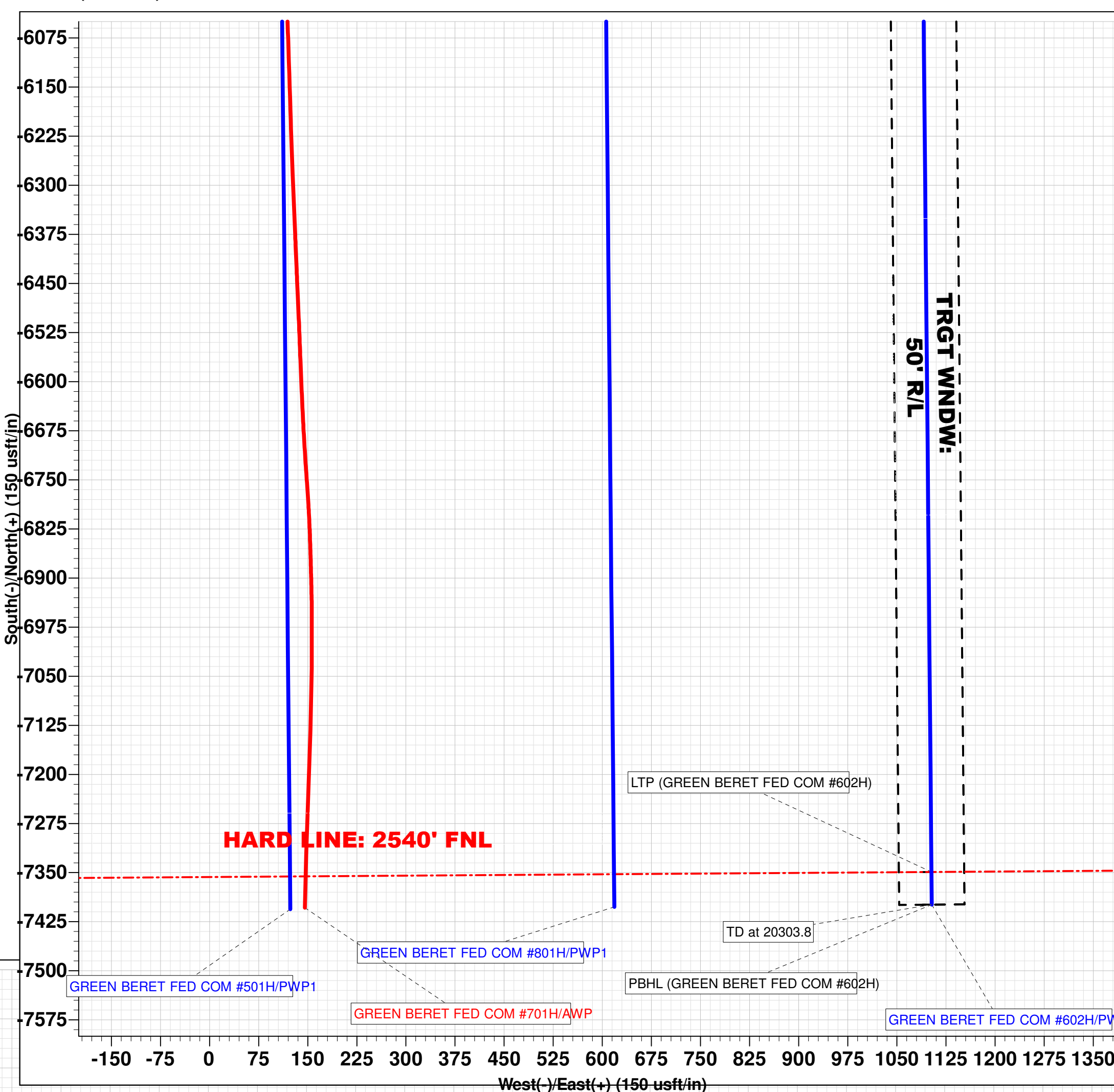
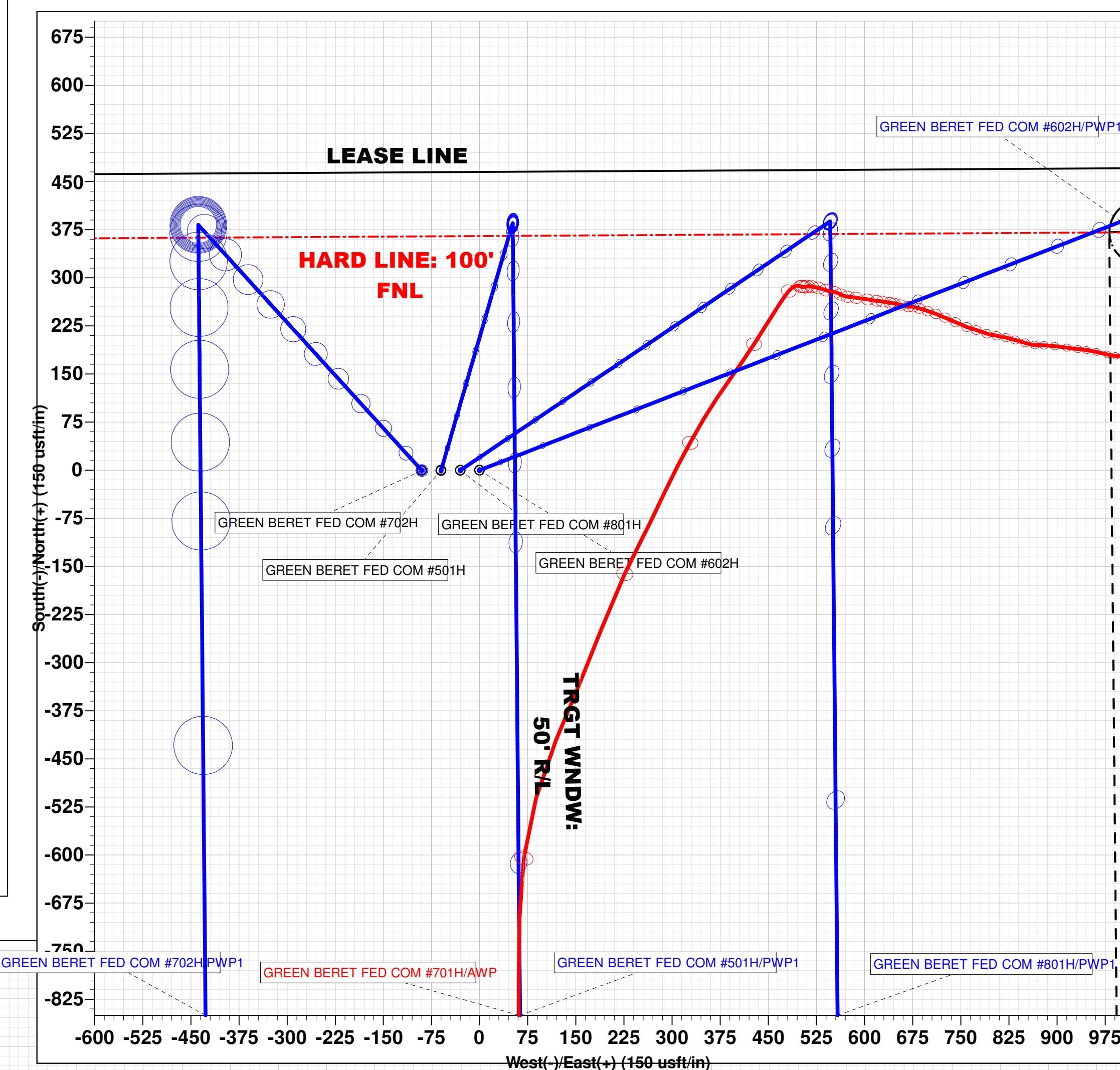
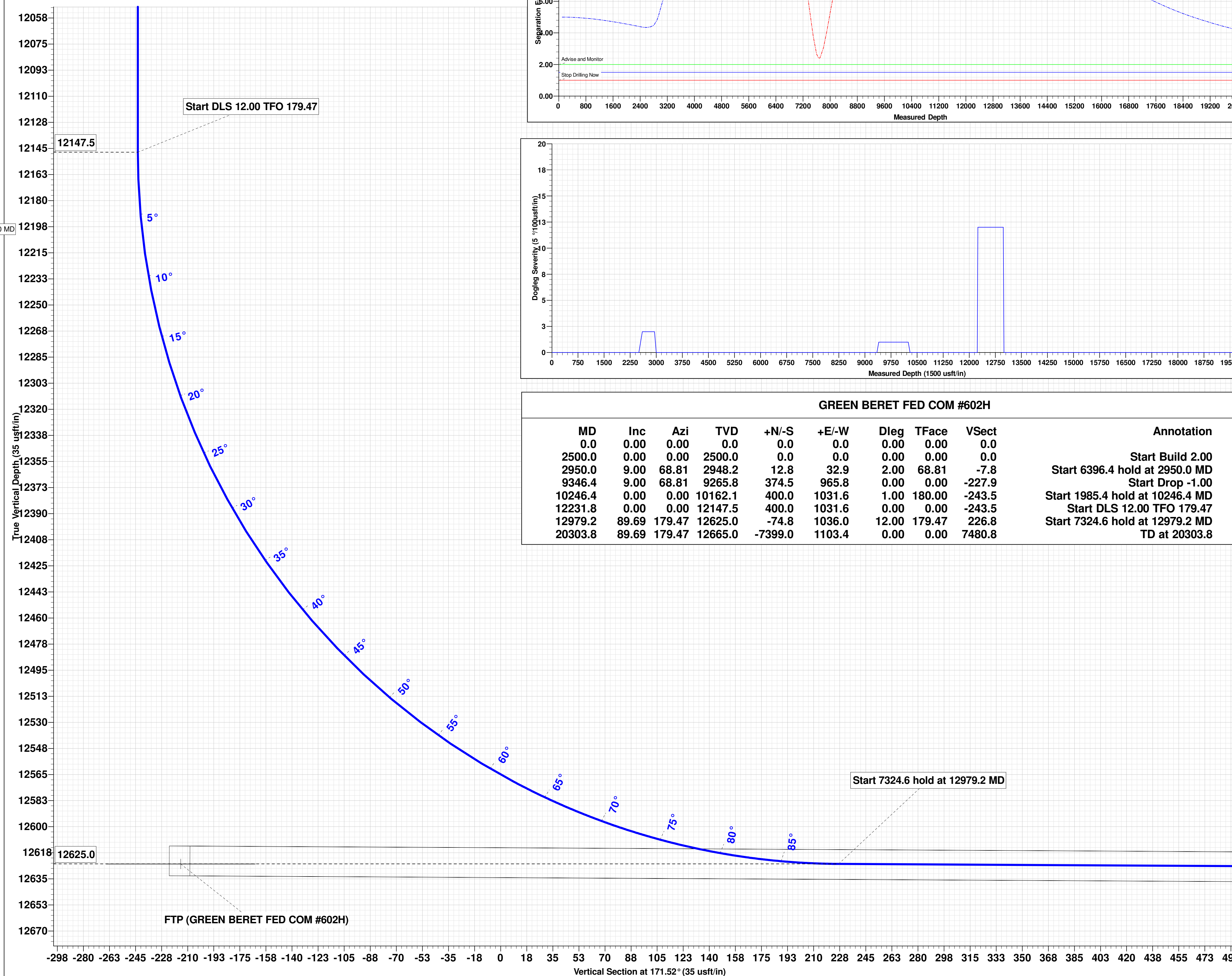
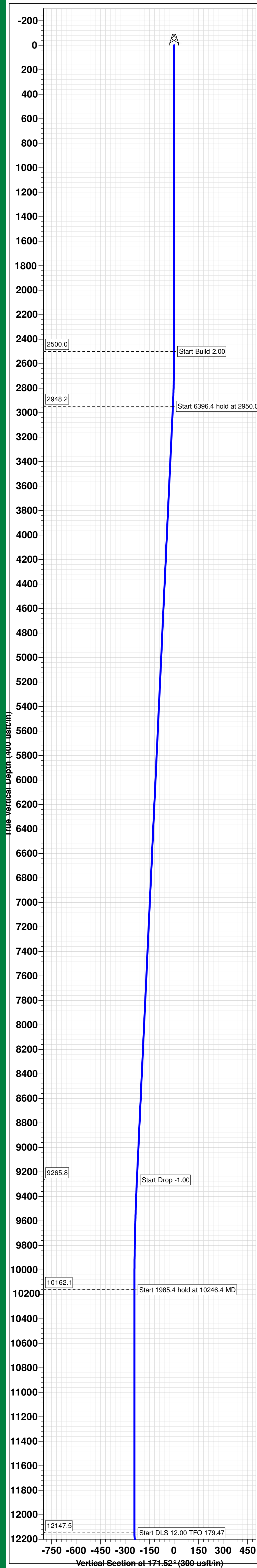
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (GREEN BERET FED COM #602H)	12625.0	370.9	1031.6	409665.00	793967.80	32° 7' 21.809 N	103° 23' 1.629 W
LTP (GREEN BERET FED COM #602H)	12665.0	-7349.1	1103.0	401944.99	794039.18	32° 6' 5.411 N	103° 23' 1.590 W
PBHL (GREEN BERET FED COM #602H)	12665.0	-7399.0	1103.4	401895.10	794039.60	32° 6' 4.918 N	103° 23' 1.591 W



GREEN BERET FED COM #602H

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
2950.0	9.00	68.81	2948.2	12.8	32.9	2.00	68.81	-7.8	Start 6396.4 hold at 2950.0 MD
9346.4	9.00	68.81	9265.8	374.5	965.8	0.00	0.00	-227.9	Start Drop -1.00
10246.4	0.00	0.00	10162.1	400.0	1031.6	1.00	180.00	-243.5	Start 1985.4 hold at 10246.4 MD
12231.8	0.00	0.00	12147.5	400.0	1031.6	0.00	0.00	-243.5	Start DLS 12.00 TFO 179.47
12979.2	89.69	179.47	12625.0	-74.8	1036.0	12.00	179.47	226.8	Start 7324.6 hold at 12979.2 MD
20303.8	89.69	179.47	12665.0	-7399.0	1103.4	0.00	0.00	7480.8	TD at 20303.8



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 78876

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 78876
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	2/8/2022