Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.***

***SUBMIT IN TRIPLICATE*** *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

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

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 recomplete 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 perfonned 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 recompletion 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 OFICE 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: NWNE / 465 FNL / 2065 FEL / TWSP: 25S / RANGE: 35E / SECTION: 20 / LAT: 32.121856 / LONG: -103.38769 ( TVD: 0 feet, MD: 0 feet )

PPP: NWNE / 100 FNL / 1760 FEL / TWSP: 25S / RANGE: 35E / SECTION: 20 / LAT: 32.122857 / LONG: -103.386706 ( TVD: 12737 feet, MD: 12800 feet )

PPP: SWNE / 1321 FNL / 1760 FEL / TWSP: 25S / RANGE: 35E / SECTION: 20 / LAT: 32.119498 / LONG: -103.386704 ( TVD: 12868 feet, MD: 14021 feet )

BHL: SWNE / 2590 FNL / 1760 FEL / TWSP: 25S / RANGE: 35E / SECTION: 29 / LAT: 32.101496 / LONG: -103.386693 ( TVD: 12903 feet, MD: 20498 feet )

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 | Pool Code | Pool Name |
|---|---|---|
| 30-025-47823 | 97088 | WC-025 G-08 S253534O; Bone Spring |

| Property Code | Property Name | Well Number |
|---|---|---|
| 329742 | GREEN BERET FEDERAL COM | 801H |

| OGRID No. | Operator Name | Elevation |
|---|---|---|
| 229137 | COG OPERATING, LLC | 3281.5' |

## Surface Location

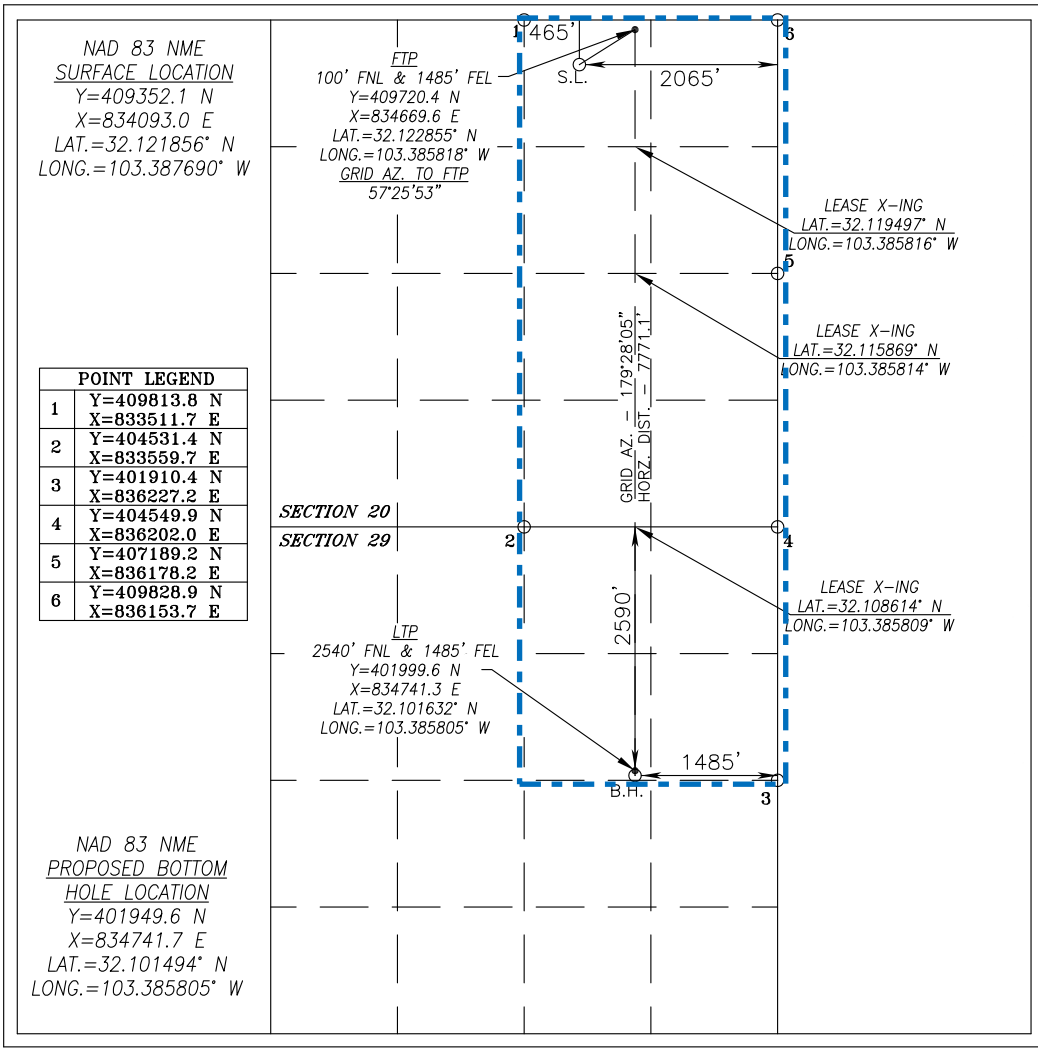
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| B | 20 | 25-S | 35-E | | 465 | NORTH | 2065 | EAST | LEA |

## 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 |
|---|---|---|---|---|---|---|---|---|---|
| G | 29 | 25-S | 35-E | | 2590 | NORTH | 1485 | EAST | LEA |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|---|---|---|---|
| 480 | | | |

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




| 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 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.*

Stan Wagner 11-8-21
Signature Date

Stan Wagner
Printed Name

E-mail Address

## SURVEYOR CERTIFICATION

*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.*

JANUARY 22, 2020
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 10/26/20
Certificate No. CHAD HARCROW 17777
W.O. # 20-1384 DRAWN BY: WN

# DELAWARE BASIN EAST

**BULLDOG PROSPECT (NM-E)**
**GREEN BERET FEDERAL PROJECT (BULLDOG 2535)**
**GREEN BERET FED COM #801H**

**OWB**
**PWP1**

# Anticollision Report

**25 October, 2021**

# ConocoPhillips
## Anticollision Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 | 11,925.0 | PWP1 (OWB) | Standard Keeper 104 | Standard Wireline Keeper ver 1.0.4 |
| 11,925.0 | 19,988.6 | PWP1 (OWB) | MWD+IFR1+FDIR | OWSG MWD + IFR1 + FDIR Correction |

**Summary**

| Site Name / Offset Well - Wellbore - Design | 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 | 2,501.8 | 2,505.3 | 30.0 | 23.1 | 4.348 | CC, ES |
| GREEN BERET FED COM #501H - OWB - PWP1 | 19,988.6 | 20,193.8 | 540.3 | 404.3 | 3.974 | SF |
| GREEN BERET FED COM #602H - OWB - PWP1 | 2,415.7 | 2,418.4 | 30.0 | 23.2 | 4.386 | CC |
| GREEN BERET FED COM #602H - OWB - PWP1 | 2,500.0 | 2,502.7 | 30.0 | 23.1 | 4.349 | ES |
| GREEN BERET FED COM #602H - OWB - PWP1 | 19,988.6 | 20,301.3 | 548.1 | 412.4 | 4.039 | SF |
| GREEN BERET FED COM #701H - OWB - AWP | 9,754.1 | 9,733.2 | 105.5 | 84.4 | 5.014 | CC |
| GREEN BERET FED COM #701H - OWB - AWP | 9,800.0 | 9,778.7 | 105.6 | 84.4 | 4.978 | ES |
| GREEN BERET FED COM #701H - OWB - AWP | 10,400.0 | 10,379.5 | 111.8 | 89.1 | 4.929 | SF |
| GREEN BERET FED COM #702H - OWB - PWP1 | 2,414.9 | 2,419.8 | 60.0 | 47.6 | 4.847 | CC |
| GREEN BERET FED COM #702H - OWB - PWP1 | 2,500.0 | 2,504.8 | 60.0 | 47.3 | 4.727 | ES, SF |

# ConocoPhillips
## Anticollision Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | PWP1 | **Offset TVD Reference:** | Offset Datum |

**TD Summary**

| Site Name<br>Offset Well - Wellbore - Design | 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 | 19,988.6 | 20,193.8 | 540.3 | 404.3 | 3.974 | SF |
| GREEN BERET FED COM #602H - OWB - PWP1 | 19,988.6 | 20,301.3 | 548.1 | 412.4 | 4.039 | SF |
| GREEN BERET FED COM #701H - OWB - AWP | 19,988.6 | 18,467.1 | | | | Out of Range @TD |
| GREEN BERET FED COM #702H - OWB - PWP1 | 19,988.6 | 20,480.1 | | | | Out of Range @TD |

**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

**Rule Assigned:**

**Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.0 | 3.5 | 3.5 | 3.0 | 3.0 | -90.19 | -0.1 | -30.0 | 30.0 | | | | |
| 100.0 | 100.0 | 103.5 | 103.5 | 3.0 | 3.0 | -90.19 | -0.1 | -30.0 | 30.0 | 24.0 | 6.00 | 5.000 | |
| 200.0 | 200.0 | 203.5 | 203.5 | 3.0 | 3.0 | -90.19 | -0.1 | -30.0 | 30.0 | 24.0 | 6.00 | 4.997 | |
| 300.0 | 300.0 | 303.5 | 303.5 | 3.0 | 3.0 | -90.19 | -0.1 | -30.0 | 30.0 | 24.0 | 6.01 | 4.992 | |
| 400.0 | 400.0 | 403.5 | 403.5 | 3.0 | 3.0 | -90.19 | -0.1 | -30.0 | 30.0 | 24.0 | 6.02 | 4.985 | |
| 500.0 | 500.0 | 503.5 | 503.5 | 3.1 | 3.1 | -90.19 | -0.1 | -30.0 | 30.0 | 24.0 | 6.03 | 4.974 | |
| 600.0 | 600.0 | 603.5 | 603.5 | 3.1 | 3.1 | -90.19 | -0.1 | -30.0 | 30.0 | 24.0 | 6.05 | 4.961 | |
| 700.0 | 700.0 | 703.5 | 703.5 | 3.1 | 3.1 | -90.19 | -0.1 | -30.0 | 30.0 | 23.9 | 6.07 | 4.946 | |
| 800.0 | 800.0 | 803.5 | 803.5 | 3.2 | 3.2 | -90.19 | -0.1 | -30.0 | 30.0 | 23.9 | 6.09 | 4.928 | |
| 900.0 | 900.0 | 903.5 | 903.5 | 3.2 | 3.2 | -90.19 | -0.1 | -30.0 | 30.0 | 23.9 | 6.11 | 4.908 | |
| 1,000.0 | 1,000.0 | 1,003.5 | 1,003.5 | 3.2 | 3.2 | -90.19 | -0.1 | -30.0 | 30.0 | 23.9 | 6.14 | 4.885 | |
| 1,100.0 | 1,100.0 | 1,103.5 | 1,103.5 | 3.3 | 3.3 | -90.19 | -0.1 | -30.0 | 30.0 | 23.8 | 6.17 | 4.860 | |
| 1,200.0 | 1,200.0 | 1,203.5 | 1,203.5 | 3.4 | 3.4 | -90.19 | -0.1 | -30.0 | 30.0 | 23.8 | 6.21 | 4.833 | |
| 1,300.0 | 1,300.0 | 1,303.5 | 1,303.5 | 3.4 | 3.4 | -90.19 | -0.1 | -30.0 | 30.0 | 23.8 | 6.24 | 4.805 | |
| 1,400.0 | 1,400.0 | 1,403.5 | 1,403.5 | 3.5 | 3.5 | -90.19 | -0.1 | -30.0 | 30.0 | 23.7 | 6.28 | 4.774 | |
| 1,500.0 | 1,500.0 | 1,503.5 | 1,503.5 | 3.5 | 3.5 | -90.19 | -0.1 | -30.0 | 30.0 | 23.7 | 6.33 | 4.742 | |
| 1,600.0 | 1,600.0 | 1,603.5 | 1,603.5 | 3.6 | 3.6 | -90.19 | -0.1 | -30.0 | 30.0 | 23.6 | 6.37 | 4.708 | |
| 1,700.0 | 1,700.0 | 1,703.5 | 1,703.5 | 3.7 | 3.7 | -90.19 | -0.1 | -30.0 | 30.0 | 23.6 | 6.42 | 4.672 | |
| 1,800.0 | 1,800.0 | 1,803.5 | 1,803.5 | 3.8 | 3.8 | -90.19 | -0.1 | -30.0 | 30.0 | 23.5 | 6.47 | 4.635 | |
| 1,900.0 | 1,900.0 | 1,903.5 | 1,903.5 | 3.9 | 3.9 | -90.19 | -0.1 | -30.0 | 30.0 | 23.5 | 6.53 | 4.597 | |
| 2,000.0 | 2,000.0 | 2,003.5 | 2,003.5 | 3.9 | 3.9 | -90.19 | -0.1 | -30.0 | 30.0 | 23.4 | 6.58 | 4.558 | |
| 2,100.0 | 2,100.0 | 2,103.5 | 2,103.5 | 4.0 | 4.0 | -90.19 | -0.1 | -30.0 | 30.0 | 23.4 | 6.64 | 4.518 | |
| 2,200.0 | 2,200.0 | 2,203.5 | 2,203.5 | 4.1 | 4.1 | -90.19 | -0.1 | -30.0 | 30.0 | 23.3 | 6.70 | 4.477 | |
| 2,300.0 | 2,300.0 | 2,303.5 | 2,303.5 | 4.2 | 4.2 | -90.19 | -0.1 | -30.0 | 30.0 | 23.2 | 6.76 | 4.435 | |
| 2,400.0 | 2,400.0 | 2,403.5 | 2,403.5 | 4.3 | 4.3 | -90.19 | -0.1 | -30.0 | 30.0 | 23.2 | 6.83 | 4.392 | |
| 2,500.0 | 2,500.0 | 2,503.5 | 2,503.5 | 4.4 | 4.4 | -90.19 | -0.1 | -30.0 | 30.0 | 23.1 | 6.90 | 4.349 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,501.8 | 2,501.8 | 2,505.3 | 2,505.3 | 4.4 | 4.4 | -146.22 | -0.1 | -30.0 | 30.0 | 23.1 | 6.90 | 4.348 | CC, ES |
| 2,600.0 | 2,600.0 | 2,603.8 | 2,603.8 | 4.5 | 4.5 | -144.68 | 1.7 | -29.5 | 30.9 | 24.0 | 6.97 | 4.439 | |
| 2,700.0 | 2,699.8 | 2,704.0 | 2,703.8 | 4.5 | 4.6 | -140.98 | 6.9 | -28.0 | 33.9 | 26.9 | 7.05 | 4.810 | |
| 2,800.0 | 2,799.5 | 2,804.0 | 2,803.4 | 4.6 | 4.7 | -136.20 | 15.4 | -25.5 | 39.1 | 31.9 | 7.15 | 5.467 | |
| 2,900.0 | 2,898.9 | 2,903.7 | 2,902.6 | 4.7 | 4.8 | -132.23 | 25.4 | -22.6 | 45.6 | 38.3 | 7.27 | 6.271 | |
| 3,000.0 | 2,998.4 | 3,003.5 | 3,001.8 | 4.8 | 4.9 | -129.25 | 35.4 | -19.7 | 52.3 | 44.9 | 7.39 | 7.070 | |
| 3,100.0 | 3,097.8 | 3,103.2 | 3,101.0 | 4.8 | 5.0 | -126.95 | 45.4 | -16.8 | 59.0 | 51.5 | 7.51 | 7.858 | |
| 3,200.0 | 3,197.3 | 3,203.0 | 3,200.2 | 4.9 | 5.1 | -125.13 | 55.4 | -13.9 | 65.9 | 58.2 | 7.63 | 8.634 | |
| 3,300.0 | 3,296.7 | 3,302.7 | 3,299.4 | 5.0 | 5.2 | -123.65 | 65.4 | -11.0 | 72.8 | 65.0 | 7.75 | 9.394 | |
| 3,400.0 | 3,396.2 | 3,402.5 | 3,398.6 | 5.1 | 5.3 | -122.43 | 75.5 | -8.1 | 79.7 | 71.9 | 7.86 | 10.137 | |
| 3,500.0 | 3,495.6 | 3,502.2 | 3,497.8 | 5.2 | 5.4 | -121.40 | 85.5 | -5.2 | 86.7 | 78.7 | 7.98 | 10.862 | |
| 3,600.0 | 3,595.1 | 3,601.9 | 3,597.0 | 5.3 | 5.5 | -120.53 | 95.5 | -2.3 | 93.7 | 85.6 | 8.10 | 11.567 | |
| 3,700.0 | 3,694.5 | 3,701.7 | 3,696.2 | 5.3 | 5.6 | -119.78 | 105.5 | 0.6 | 100.7 | 92.5 | 8.22 | 12.254 | |
| 3,800.0 | 3,794.0 | 3,801.4 | 3,795.4 | 5.4 | 5.7 | -119.12 | 115.5 | 3.5 | 107.7 | 99.4 | 8.34 | 12.920 | |
| 3,900.0 | 3,893.4 | 3,901.2 | 3,894.6 | 5.5 | 5.8 | -118.55 | 125.5 | 6.4 | 114.8 | 106.3 | 8.46 | 13.566 | |
| 4,000.0 | 3,992.9 | 4,000.9 | 3,993.8 | 5.6 | 5.9 | -118.04 | 135.6 | 9.3 | 121.8 | 113.2 | 8.58 | 14.191 | |
| 4,100.0 | 4,092.3 | 4,100.7 | 4,093.0 | 5.7 | 6.0 | -117.59 | 145.6 | 12.2 | 128.9 | 120.2 | 8.71 | 14.796 | |
| 4,200.0 | 4,191.8 | 4,200.4 | 4,192.2 | 5.8 | 6.1 | -117.19 | 155.6 | 15.1 | 135.9 | 127.1 | 8.84 | 15.381 | |
| 4,300.0 | 4,291.2 | 4,300.2 | 4,291.4 | 5.9 | 6.2 | -116.82 | 165.6 | 18.0 | 143.0 | 134.0 | 8.97 | 15.946 | |
| 4,400.0 | 4,390.7 | 4,399.9 | 4,390.6 | 6.0 | 6.3 | -116.49 | 175.6 | 20.9 | 150.1 | 141.0 | 9.10 | 16.490 | |
| 4,500.0 | 4,490.1 | 4,499.7 | 4,489.8 | 6.1 | 6.5 | -116.19 | 185.6 | 23.8 | 157.2 | 147.9 | 9.24 | 17.015 | |
| 4,600.0 | 4,589.6 | 4,599.4 | 4,589.0 | 6.2 | 6.6 | -115.91 | 195.6 | 26.7 | 164.2 | 154.9 | 9.38 | 17.520 | |
| 4,700.0 | 4,689.0 | 4,699.2 | 4,688.2 | 6.3 | 6.7 | -115.66 | 205.7 | 29.6 | 171.3 | 161.8 | 9.52 | 18.006 | |
| 4,800.0 | 4,788.5 | 4,798.9 | 4,787.4 | 6.4 | 6.8 | -115.43 | 215.7 | 32.5 | 178.4 | 168.8 | 9.66 | 18.473 | |
| 4,900.0 | 4,887.9 | 4,898.6 | 4,886.6 | 6.5 | 6.9 | -115.22 | 225.7 | 35.4 | 185.5 | 175.7 | 9.80 | 18.922 | |
| 5,000.0 | 4,987.4 | 4,998.4 | 4,985.8 | 6.6 | 7.0 | -115.02 | 235.7 | 38.3 | 192.6 | 182.7 | 9.95 | 19.352 | |
| 5,100.0 | 5,086.9 | 5,098.1 | 5,085.0 | 6.7 | 7.1 | -114.83 | 245.7 | 41.2 | 199.7 | 189.6 | 10.10 | 19.765 | |
| 5,200.0 | 5,186.3 | 5,197.9 | 5,184.2 | 6.8 | 7.2 | -114.66 | 255.7 | 44.1 | 206.8 | 196.6 | 10.26 | 20.161 | |
| 5,300.0 | 5,285.8 | 5,297.6 | 5,283.4 | 7.0 | 7.4 | -114.50 | 265.7 | 47.0 | 213.9 | 203.5 | 10.41 | 20.541 | |
| 5,400.0 | 5,385.2 | 5,397.4 | 5,382.6 | 7.1 | 7.5 | -114.35 | 275.8 | 49.9 | 221.0 | 210.5 | 10.57 | 20.904 | |
| 5,500.0 | 5,484.7 | 5,497.1 | 5,481.8 | 7.2 | 7.6 | -114.21 | 285.8 | 52.8 | 228.1 | 217.4 | 10.74 | 21.251 | |
| 5,600.0 | 5,584.1 | 5,596.9 | 5,581.0 | 7.3 | 7.7 | -114.08 | 295.8 | 55.7 | 235.2 | 224.3 | 10.90 | 21.583 | |
| 5,700.0 | 5,683.6 | 5,696.6 | 5,680.2 | 7.4 | 7.8 | -113.95 | 305.8 | 58.6 | 242.3 | 231.3 | 11.07 | 21.900 | |
| 5,800.0 | 5,783.0 | 5,796.4 | 5,779.4 | 7.5 | 8.0 | -113.84 | 315.8 | 61.5 | 249.5 | 238.2 | 11.24 | 22.204 | |
| 5,900.0 | 5,882.5 | 5,896.1 | 5,878.6 | 7.6 | 8.1 | -113.73 | 325.8 | 64.4 | 256.6 | 245.2 | 11.41 | 22.493 | |
| 6,000.0 | 5,981.9 | 5,995.8 | 5,977.8 | 7.7 | 8.2 | -113.62 | 335.8 | 67.3 | 263.7 | 252.1 | 11.58 | 22.769 | |
| 6,100.0 | 6,081.4 | 6,095.6 | 6,077.0 | 7.8 | 8.3 | -113.52 | 345.9 | 70.2 | 270.8 | 259.0 | 11.76 | 23.032 | |
| 6,200.0 | 6,180.8 | 6,195.4 | 6,176.3 | 8.0 | 8.4 | -113.43 | 355.9 | 73.1 | 277.9 | 266.0 | 11.94 | 23.282 | |
| 6,300.0 | 6,280.3 | 6,296.6 | 6,277.0 | 8.1 | 8.5 | -113.53 | 365.1 | 75.8 | 284.7 | 272.6 | 12.11 | 23.523 | |
| 6,400.0 | 6,379.7 | 6,397.7 | 6,377.8 | 8.2 | 8.7 | -113.96 | 372.6 | 77.9 | 291.1 | 278.8 | 12.26 | 23.750 | |
| 6,500.0 | 6,479.2 | 6,498.9 | 6,478.8 | 8.3 | 8.8 | -114.71 | 378.4 | 79.6 | 297.0 | 284.6 | 12.39 | 23.980 | |
| 6,600.0 | 6,578.6 | 6,599.9 | 6,579.7 | 8.4 | 8.9 | -115.75 | 382.5 | 80.8 | 302.5 | 290.0 | 12.50 | 24.212 | |
| 6,700.0 | 6,678.1 | 6,700.7 | 6,680.5 | 8.5 | 9.0 | -117.08 | 384.8 | 81.5 | 307.8 | 295.2 | 12.60 | 24.429 | |
| 6,800.0 | 6,777.5 | 6,801.3 | 6,781.0 | 8.7 | 9.2 | -118.67 | 385.5 | 81.7 | 312.8 | 300.1 | 12.71 | 24.622 | |
| 6,900.0 | 6,877.0 | 6,900.7 | 6,880.5 | 8.8 | 9.3 | -120.32 | 385.5 | 81.7 | 318.0 | 305.2 | 12.82 | 24.799 | |
| 7,000.0 | 6,976.4 | 7,000.2 | 6,979.9 | 8.9 | 9.4 | -121.91 | 385.5 | 81.7 | 323.4 | 310.5 | 12.95 | 24.974 | |
| 7,100.0 | 7,075.9 | 7,099.6 | 7,079.4 | 9.0 | 9.5 | -123.45 | 385.5 | 81.7 | 329.1 | 316.0 | 13.09 | 25.146 | |
| 7,200.0 | 7,175.3 | 7,199.1 | 7,178.8 | 9.1 | 9.6 | -124.93 | 385.5 | 81.7 | 335.0 | 321.8 | 13.23 | 25.314 | |
| 7,300.0 | 7,274.8 | 7,298.5 | 7,278.3 | 9.2 | 9.8 | -126.37 | 385.5 | 81.7 | 341.1 | 327.7 | 13.39 | 25.479 | |
| 7,400.0 | 7,374.3 | 7,398.0 | 7,377.8 | 9.4 | 9.9 | -127.75 | 385.5 | 81.7 | 347.4 | 333.9 | 13.55 | 25.641 | |
| 7,500.0 | 7,473.7 | 7,497.4 | 7,477.2 | 9.5 | 10.0 | -129.09 | 385.5 | 81.7 | 353.9 | 340.2 | 13.72 | 25.799 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7,600.0 | 7,573.2 | 7,596.9 | 7,576.7 | 9.6 | 10.1 | -130.37 | 385.5 | 81.7 | 360.6 | 346.7 | 13.90 | 25.954 | |
| 7,700.0 | 7,672.6 | 7,696.3 | 7,676.1 | 9.7 | 10.3 | -131.61 | 385.5 | 81.7 | 367.5 | 353.4 | 14.08 | 26.105 | |
| 7,800.0 | 7,772.1 | 7,795.8 | 7,775.6 | 9.8 | 10.4 | -132.80 | 385.5 | 81.7 | 374.6 | 360.3 | 14.27 | 26.254 | |
| 7,900.0 | 7,871.5 | 7,895.2 | 7,875.0 | 10.0 | 10.5 | -133.95 | 385.5 | 81.7 | 381.8 | 367.3 | 14.46 | 26.401 | |
| 8,000.0 | 7,971.0 | 7,994.7 | 7,974.5 | 10.1 | 10.6 | -135.05 | 385.5 | 81.7 | 389.1 | 374.5 | 14.66 | 26.545 | |
| 8,100.0 | 8,070.4 | 8,094.1 | 8,073.9 | 10.2 | 10.8 | -136.12 | 385.5 | 81.7 | 396.6 | 381.7 | 14.86 | 26.686 | |
| 8,200.0 | 8,169.9 | 8,193.6 | 8,173.4 | 10.3 | 10.9 | -137.14 | 385.5 | 81.7 | 404.2 | 389.2 | 15.07 | 26.826 | |
| 8,300.0 | 8,269.3 | 8,293.0 | 8,272.8 | 10.5 | 11.0 | -138.13 | 385.5 | 81.7 | 412.0 | 396.7 | 15.28 | 26.964 | |
| 8,400.0 | 8,368.8 | 8,392.5 | 8,372.3 | 10.6 | 11.1 | -139.08 | 385.5 | 81.7 | 419.8 | 404.3 | 15.49 | 27.099 | |
| 8,500.0 | 8,468.2 | 8,491.9 | 8,471.7 | 10.7 | 11.3 | -139.99 | 385.5 | 81.7 | 427.8 | 412.1 | 15.71 | 27.234 | |
| 8,600.0 | 8,567.7 | 8,591.4 | 8,571.2 | 10.8 | 11.4 | -140.88 | 385.5 | 81.7 | 435.9 | 419.9 | 15.93 | 27.367 | |
| 8,700.0 | 8,667.1 | 8,690.8 | 8,670.6 | 11.0 | 11.5 | -141.72 | 385.5 | 81.7 | 444.0 | 427.9 | 16.15 | 27.498 | |
| 8,800.0 | 8,766.6 | 8,790.3 | 8,770.1 | 11.1 | 11.6 | -142.54 | 385.5 | 81.7 | 452.3 | 435.9 | 16.37 | 27.629 | |
| 8,900.0 | 8,866.0 | 8,889.8 | 8,869.5 | 11.2 | 11.8 | -143.33 | 385.5 | 81.7 | 460.7 | 444.1 | 16.60 | 27.758 | |
| 9,000.0 | 8,965.5 | 8,989.2 | 8,969.0 | 11.3 | 11.9 | -144.09 | 385.5 | 81.7 | 469.1 | 452.3 | 16.82 | 27.886 | |
| 9,100.0 | 9,065.0 | 9,088.7 | 9,068.5 | 11.4 | 12.0 | -144.81 | 385.5 | 81.7 | 476.9 | 459.9 | 17.04 | 27.981 | |
| 9,200.0 | 9,164.7 | 9,188.4 | 9,168.2 | 11.6 | 12.1 | -145.38 | 385.5 | 81.7 | 483.4 | 466.1 | 17.26 | 28.011 | |
| 9,300.0 | 9,264.5 | 9,288.2 | 9,268.0 | 11.7 | 12.3 | -145.82 | 385.5 | 81.7 | 488.4 | 471.0 | 17.45 | 27.985 | |
| 9,400.0 | 9,364.4 | 9,388.1 | 9,367.9 | 11.8 | 12.4 | -146.13 | 385.5 | 81.7 | 492.0 | 474.4 | 17.63 | 27.900 | |
| 9,500.0 | 9,464.4 | 9,488.1 | 9,467.9 | 11.9 | 12.5 | -146.31 | 385.5 | 81.7 | 494.2 | 476.4 | 17.81 | 27.750 | |
| 9,600.0 | 9,564.4 | 9,588.1 | 9,567.9 | 12.0 | 12.6 | -90.32 | 385.5 | 81.7 | 494.9 | 477.0 | 17.95 | 27.577 | |
| 9,700.0 | 9,664.4 | 9,688.1 | 9,667.9 | 12.2 | 12.8 | -90.32 | 385.5 | 81.7 | 494.9 | 476.9 | 18.05 | 27.416 | |
| 9,800.0 | 9,764.4 | 9,788.1 | 9,767.9 | 12.3 | 12.9 | -90.32 | 385.5 | 81.7 | 494.9 | 476.8 | 18.16 | 27.256 | |
| 9,900.0 | 9,864.4 | 9,888.1 | 9,867.9 | 12.4 | 13.0 | -90.32 | 385.5 | 81.7 | 494.9 | 476.7 | 18.26 | 27.097 | |
| 10,000.0 | 9,964.4 | 9,988.1 | 9,967.9 | 12.5 | 13.1 | -90.32 | 385.5 | 81.7 | 494.9 | 476.6 | 18.37 | 26.939 | |
| 10,100.0 | 10,064.4 | 10,088.1 | 10,067.9 | 12.6 | 13.3 | -90.32 | 385.5 | 81.7 | 494.9 | 476.4 | 18.48 | 26.783 | |
| 10,200.0 | 10,164.4 | 10,188.1 | 10,167.9 | 12.7 | 13.4 | -90.32 | 385.5 | 81.7 | 494.9 | 476.3 | 18.59 | 26.628 | |
| 10,300.0 | 10,264.4 | 10,288.1 | 10,267.9 | 12.8 | 13.5 | -90.32 | 385.5 | 81.7 | 494.9 | 476.2 | 18.69 | 26.474 | |
| 10,400.0 | 10,364.4 | 10,388.1 | 10,367.9 | 12.9 | 13.7 | -90.32 | 385.5 | 81.7 | 494.9 | 476.1 | 18.80 | 26.321 | |
| 10,500.0 | 10,464.4 | 10,488.1 | 10,467.9 | 13.0 | 13.8 | -90.32 | 385.5 | 81.7 | 494.9 | 476.0 | 18.91 | 26.169 | |
| 10,600.0 | 10,564.4 | 10,588.1 | 10,567.9 | 13.1 | 13.9 | -90.32 | 385.5 | 81.7 | 494.9 | 475.9 | 19.02 | 26.019 | |
| 10,700.0 | 10,664.4 | 10,688.1 | 10,667.9 | 13.3 | 14.0 | -90.32 | 385.5 | 81.7 | 494.9 | 475.8 | 19.13 | 25.870 | |
| 10,800.0 | 10,764.4 | 10,788.1 | 10,767.9 | 13.4 | 14.2 | -90.32 | 385.5 | 81.7 | 494.9 | 475.7 | 19.24 | 25.722 | |
| 10,900.0 | 10,864.4 | 10,888.1 | 10,867.9 | 13.5 | 14.3 | -90.32 | 385.5 | 81.7 | 494.9 | 475.6 | 19.35 | 25.575 | |
| 11,000.0 | 10,964.4 | 10,988.1 | 10,967.9 | 13.6 | 14.4 | -90.32 | 385.5 | 81.7 | 494.9 | 475.5 | 19.46 | 25.430 | |
| 11,100.0 | 11,064.4 | 11,088.1 | 11,067.9 | 13.7 | 14.6 | -90.32 | 385.5 | 81.7 | 494.9 | 475.3 | 19.57 | 25.285 | |
| 11,200.0 | 11,164.4 | 11,188.1 | 11,167.9 | 13.8 | 14.7 | -90.32 | 385.5 | 81.7 | 494.9 | 475.2 | 19.68 | 25.142 | |
| 11,300.0 | 11,264.4 | 11,288.1 | 11,267.9 | 13.9 | 14.8 | -90.32 | 385.5 | 81.7 | 494.9 | 475.1 | 19.80 | 25.000 | |
| 11,400.0 | 11,364.4 | 11,388.1 | 11,367.9 | 14.0 | 14.9 | -90.32 | 385.5 | 81.7 | 494.9 | 475.0 | 19.91 | 24.859 | |
| 11,500.0 | 11,464.4 | 11,488.1 | 11,467.9 | 14.2 | 15.1 | -90.32 | 385.5 | 81.7 | 494.9 | 474.9 | 20.02 | 24.720 | |
| 11,600.0 | 11,564.4 | 11,588.1 | 11,567.9 | 14.3 | 15.2 | -90.32 | 385.5 | 81.7 | 494.9 | 474.8 | 20.13 | 24.581 | |
| 11,700.0 | 11,664.4 | 11,688.1 | 11,667.9 | 14.4 | 15.3 | -90.32 | 385.5 | 81.7 | 494.9 | 474.7 | 20.25 | 24.444 | |
| 11,800.0 | 11,764.4 | 11,788.1 | 11,767.9 | 14.5 | 15.5 | -90.32 | 385.5 | 81.7 | 494.9 | 474.6 | 20.36 | 24.308 | |
| 11,900.0 | 11,864.4 | 11,888.1 | 11,867.9 | 14.6 | 15.6 | -90.32 | 385.5 | 81.7 | 494.9 | 474.4 | 20.47 | 24.173 | |
| 11,925.1 | 11,889.5 | 11,913.2 | 11,893.0 | 14.6 | 15.6 | -90.32 | 385.5 | 81.7 | 494.9 | 474.4 | 20.50 | 24.146 | |
| 11,950.0 | 11,914.4 | 11,938.1 | 11,917.9 | 14.6 | 15.6 | 90.28 | 385.5 | 81.7 | 494.9 | 474.4 | 20.51 | 24.136 | |
| 11,975.0 | 11,939.3 | 11,963.0 | 11,942.8 | 14.6 | 15.7 | 90.50 | 385.5 | 81.7 | 494.9 | 474.4 | 20.50 | 24.143 | |
| 12,000.0 | 11,964.1 | 11,987.8 | 11,967.6 | 14.6 | 15.7 | 90.87 | 385.5 | 81.7 | 495.0 | 474.5 | 20.48 | 24.166 | |
| 12,025.0 | 11,988.7 | 12,012.4 | 11,992.2 | 14.6 | 15.7 | 91.38 | 385.5 | 81.7 | 495.1 | 474.6 | 20.45 | 24.207 | |
| 12,050.0 | 12,013.0 | 12,036.7 | 12,016.5 | 14.7 | 15.8 | 92.01 | 385.5 | 81.7 | 495.2 | 474.8 | 20.41 | 24.265 | |
| 12,075.0 | 12,036.9 | 12,060.7 | 12,040.4 | 14.7 | 15.8 | 92.76 | 385.5 | 81.7 | 495.6 | 475.2 | 20.36 | 24.339 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12,100.0 | 12,060.5 | 12,084.2 | 12,064.0 | 14.7 | 15.8 | 93.61 | 385.5 | 81.7 | 496.0 | 475.7 | 20.31 | 24.428 | |
| 12,125.0 | 12,083.6 | 12,107.3 | 12,087.1 | 14.7 | 15.9 | 94.54 | 385.5 | 81.7 | 496.8 | 476.5 | 20.25 | 24.535 | |
| 12,150.0 | 12,106.2 | 12,129.9 | 12,109.7 | 14.7 | 15.9 | 95.53 | 385.5 | 81.7 | 497.8 | 477.6 | 20.19 | 24.660 | |
| 12,175.0 | 12,128.1 | 12,155.4 | 12,135.1 | 14.7 | 15.9 | 96.69 | 384.8 | 81.7 | 499.2 | 479.0 | 20.14 | 24.787 | |
| 12,200.0 | 12,149.5 | 12,181.5 | 12,161.2 | 14.7 | 15.9 | 97.84 | 382.7 | 81.7 | 500.8 | 480.7 | 20.12 | 24.892 | |
| 12,225.0 | 12,170.1 | 12,208.5 | 12,187.9 | 14.7 | 15.9 | 99.00 | 379.0 | 81.7 | 502.6 | 482.5 | 20.13 | 24.964 | |
| 12,250.0 | 12,189.9 | 12,236.4 | 12,215.3 | 14.8 | 15.9 | 100.14 | 373.6 | 81.8 | 504.7 | 484.5 | 20.19 | 24.990 | |
| 12,275.0 | 12,208.9 | 12,265.1 | 12,243.1 | 14.8 | 15.9 | 101.28 | 366.4 | 81.9 | 506.9 | 486.6 | 20.31 | 24.955 | |
| 12,300.0 | 12,227.0 | 12,294.8 | 12,271.3 | 14.8 | 15.9 | 102.42 | 357.2 | 81.9 | 509.4 | 488.8 | 20.50 | 24.844 | |
| 12,325.0 | 12,244.3 | 12,325.6 | 12,300.0 | 14.8 | 15.9 | 103.53 | 345.9 | 82.0 | 511.9 | 491.2 | 20.77 | 24.646 | |
| 12,350.0 | 12,260.5 | 12,357.6 | 12,328.8 | 14.8 | 15.9 | 104.64 | 332.2 | 82.2 | 514.6 | 493.5 | 21.13 | 24.352 | |
| 12,375.0 | 12,275.7 | 12,390.7 | 12,357.7 | 14.9 | 16.0 | 105.72 | 316.0 | 82.3 | 517.4 | 495.8 | 21.59 | 23.961 | |
| 12,400.0 | 12,289.9 | 12,425.0 | 12,386.3 | 14.9 | 16.0 | 106.77 | 297.1 | 82.5 | 520.2 | 498.1 | 22.16 | 23.480 | |
| 12,425.0 | 12,302.9 | 12,460.7 | 12,414.6 | 14.9 | 16.0 | 107.79 | 275.3 | 82.7 | 523.1 | 500.2 | 22.82 | 22.919 | |
| 12,450.0 | 12,314.9 | 12,497.7 | 12,442.1 | 14.9 | 16.0 | 108.76 | 250.6 | 82.9 | 525.8 | 502.3 | 23.58 | 22.301 | |
| 12,475.0 | 12,325.6 | 12,536.1 | 12,468.5 | 15.0 | 16.1 | 109.69 | 222.8 | 83.2 | 528.5 | 504.1 | 24.41 | 21.648 | |
| 12,500.0 | 12,335.2 | 12,575.8 | 12,493.4 | 15.0 | 16.1 | 110.54 | 191.9 | 83.5 | 531.0 | 505.7 | 25.31 | 20.984 | |
| 12,525.0 | 12,343.6 | 12,616.8 | 12,516.4 | 15.0 | 16.1 | 111.32 | 157.9 | 83.8 | 533.3 | 507.1 | 26.23 | 20.334 | |
| 12,550.0 | 12,350.7 | 12,659.0 | 12,536.8 | 15.0 | 16.2 | 112.01 | 121.0 | 84.1 | 535.4 | 508.2 | 27.15 | 19.720 | |
| 12,575.0 | 12,356.5 | 12,702.3 | 12,554.4 | 15.1 | 16.2 | 112.59 | 81.4 | 84.5 | 537.1 | 509.1 | 28.03 | 19.158 | |
| 12,600.0 | 12,361.1 | 12,746.5 | 12,568.5 | 15.1 | 16.2 | 113.05 | 39.5 | 84.9 | 538.5 | 509.6 | 28.85 | 18.663 | |
| 12,625.0 | 12,364.3 | 12,791.5 | 12,578.8 | 15.1 | 16.3 | 113.38 | -4.3 | 85.3 | 539.5 | 509.9 | 29.57 | 18.243 | |
| 12,650.0 | 12,366.3 | 12,837.0 | 12,585.1 | 15.1 | 16.3 | 113.57 | -49.3 | 85.7 | 540.1 | 509.9 | 30.16 | 17.904 | |
| 12,672.5 | 12,367.0 | 12,878.1 | 12,587.0 | 15.1 | 16.3 | 113.63 | -90.4 | 86.1 | 540.2 | 509.6 | 30.57 | 17.670 | |
| 12,674.4 | 12,367.0 | 12,881.7 | 12,587.0 | 15.1 | 16.3 | 113.62 | -93.9 | 86.1 | 540.2 | 509.6 | 30.60 | 17.653 | |
| 12,700.0 | 12,367.1 | 12,905.2 | 12,587.1 | 15.2 | 16.3 | 113.63 | -117.4 | 86.3 | 540.2 | 509.5 | 30.70 | 17.599 | |
| 12,800.0 | 12,367.7 | 13,005.2 | 12,587.7 | 15.3 | 16.3 | 113.63 | -217.4 | 87.2 | 540.2 | 509.0 | 31.23 | 17.300 | |
| 12,900.0 | 12,368.2 | 13,105.2 | 12,588.2 | 15.4 | 16.3 | 113.63 | -317.4 | 88.2 | 540.2 | 508.4 | 31.84 | 16.967 | |
| 13,000.0 | 12,368.7 | 13,205.2 | 12,588.8 | 15.5 | 16.4 | 113.63 | -417.4 | 89.1 | 540.2 | 507.7 | 32.53 | 16.607 | |
| 13,100.0 | 12,369.3 | 13,305.2 | 12,589.3 | 15.7 | 16.4 | 113.63 | -517.4 | 90.0 | 540.2 | 506.9 | 33.29 | 16.226 | |
| 13,200.0 | 12,369.8 | 13,405.2 | 12,589.8 | 16.0 | 16.5 | 113.63 | -617.4 | 90.9 | 540.2 | 506.1 | 34.12 | 15.831 | |
| 13,300.0 | 12,370.4 | 13,505.2 | 12,590.4 | 16.2 | 16.5 | 113.63 | -717.4 | 91.8 | 540.2 | 505.2 | 35.02 | 15.427 | |
| 13,400.0 | 12,370.9 | 13,605.2 | 12,590.9 | 16.6 | 16.6 | 113.63 | -817.4 | 92.8 | 540.2 | 504.2 | 35.97 | 15.019 | |
| 13,500.0 | 12,371.5 | 13,705.2 | 12,591.5 | 17.0 | 16.6 | 113.63 | -917.4 | 93.7 | 540.2 | 503.2 | 36.97 | 14.611 | |
| 13,600.0 | 12,372.0 | 13,805.2 | 12,592.0 | 17.5 | 16.8 | 113.63 | -1,017.4 | 94.6 | 540.2 | 502.2 | 38.03 | 14.205 | |
| 13,700.0 | 12,372.6 | 13,905.2 | 12,592.6 | 18.0 | 16.9 | 113.63 | -1,117.3 | 95.5 | 540.2 | 501.1 | 39.13 | 13.806 | |
| 13,800.0 | 12,373.1 | 14,005.2 | 12,593.1 | 18.6 | 17.3 | 113.63 | -1,217.3 | 96.4 | 540.2 | 499.9 | 40.27 | 13.414 | |
| 13,900.0 | 12,373.7 | 14,105.2 | 12,593.7 | 19.2 | 17.9 | 113.63 | -1,317.3 | 97.4 | 540.2 | 498.8 | 41.45 | 13.032 | |
| 14,000.0 | 12,374.2 | 14,205.2 | 12,594.2 | 19.8 | 18.6 | 113.63 | -1,417.3 | 98.3 | 540.2 | 497.6 | 42.67 | 12.661 | |
| 14,100.0 | 12,374.8 | 14,305.2 | 12,594.8 | 20.4 | 19.3 | 113.63 | -1,517.3 | 99.2 | 540.2 | 496.3 | 43.91 | 12.302 | |
| 14,200.0 | 12,375.3 | 14,405.2 | 12,595.3 | 21.1 | 20.0 | 113.63 | -1,617.3 | 100.1 | 540.2 | 495.0 | 45.19 | 11.954 | |
| 14,300.0 | 12,375.9 | 14,505.2 | 12,595.9 | 21.8 | 20.8 | 113.63 | -1,717.3 | 101.0 | 540.2 | 493.7 | 46.50 | 11.619 | |
| 14,400.0 | 12,376.4 | 14,605.2 | 12,596.4 | 22.5 | 21.5 | 113.63 | -1,817.3 | 102.0 | 540.2 | 492.4 | 47.83 | 11.296 | |
| 14,500.0 | 12,377.0 | 14,705.2 | 12,597.0 | 23.2 | 22.3 | 113.63 | -1,917.3 | 102.9 | 540.2 | 491.1 | 49.18 | 10.985 | |
| 14,600.0 | 12,377.5 | 14,805.2 | 12,597.5 | 24.0 | 23.1 | 113.63 | -2,017.3 | 103.8 | 540.2 | 489.7 | 50.55 | 10.687 | |
| 14,700.0 | 12,378.1 | 14,905.2 | 12,598.1 | 24.7 | 23.9 | 113.63 | -2,117.3 | 104.7 | 540.2 | 488.3 | 51.94 | 10.401 | |
| 14,800.0 | 12,378.6 | 15,005.2 | 12,598.6 | 25.5 | 24.6 | 113.63 | -2,217.3 | 105.6 | 540.2 | 486.9 | 53.35 | 10.126 | |
| 14,900.0 | 12,379.1 | 15,105.2 | 12,599.2 | 26.2 | 25.4 | 113.63 | -2,317.3 | 106.6 | 540.2 | 485.5 | 54.78 | 9.862 | |
| 15,000.0 | 12,379.7 | 15,205.2 | 12,599.7 | 27.0 | 26.2 | 113.63 | -2,417.3 | 107.5 | 540.2 | 484.0 | 56.22 | 9.609 | |
| 15,100.0 | 12,380.2 | 15,305.2 | 12,600.2 | 27.8 | 27.0 | 113.63 | -2,517.3 | 108.4 | 540.2 | 482.6 | 57.68 | 9.367 | |
| 15,200.0 | 12,380.8 | 15,405.2 | 12,600.8 | 28.6 | 27.9 | 113.63 | -2,617.3 | 109.3 | 540.2 | 481.1 | 59.14 | 9.134 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15,300.0 | 12,381.3 | 15,505.2 | 12,601.3 | 29.3 | 28.7 | 113.63 | -2,717.3 | 110.2 | 540.2 | 479.6 | 60.63 | 8.911 | |
| 15,400.0 | 12,381.9 | 15,605.2 | 12,601.9 | 30.1 | 29.5 | 113.63 | -2,817.3 | 111.2 | 540.2 | 478.1 | 62.12 | 8.697 | |
| 15,500.0 | 12,382.4 | 15,705.2 | 12,602.4 | 30.9 | 30.3 | 113.63 | -2,917.2 | 112.1 | 540.2 | 476.6 | 63.62 | 8.492 | |
| 15,600.0 | 12,383.0 | 15,805.2 | 12,603.0 | 31.7 | 31.1 | 113.63 | -3,017.2 | 113.0 | 540.2 | 475.1 | 65.13 | 8.294 | |
| 15,700.0 | 12,383.5 | 15,905.2 | 12,603.5 | 32.5 | 31.9 | 113.63 | -3,117.2 | 113.9 | 540.2 | 473.6 | 66.65 | 8.105 | |
| 15,800.0 | 12,384.1 | 16,005.2 | 12,604.1 | 33.3 | 32.8 | 113.63 | -3,217.2 | 114.8 | 540.2 | 472.1 | 68.18 | 7.923 | |
| 15,900.0 | 12,384.6 | 16,105.2 | 12,604.6 | 34.1 | 33.6 | 113.63 | -3,317.2 | 115.8 | 540.2 | 470.5 | 69.72 | 7.749 | |
| 16,000.0 | 12,385.2 | 16,205.2 | 12,605.2 | 34.9 | 34.4 | 113.63 | -3,417.2 | 116.7 | 540.2 | 469.0 | 71.27 | 7.581 | |
| 16,100.0 | 12,385.7 | 16,305.2 | 12,605.7 | 35.8 | 35.2 | 113.63 | -3,517.2 | 117.6 | 540.2 | 467.4 | 72.82 | 7.419 | |
| 16,200.0 | 12,386.3 | 16,405.2 | 12,606.3 | 36.6 | 36.1 | 113.63 | -3,617.2 | 118.5 | 540.2 | 465.9 | 74.38 | 7.264 | |
| 16,300.0 | 12,386.8 | 16,505.2 | 12,606.8 | 37.4 | 36.9 | 113.63 | -3,717.2 | 119.4 | 540.2 | 464.3 | 75.94 | 7.114 | |
| 16,400.0 | 12,387.4 | 16,605.2 | 12,607.4 | 38.2 | 37.7 | 113.63 | -3,817.2 | 120.4 | 540.2 | 462.7 | 77.51 | 6.970 | |
| 16,500.0 | 12,387.9 | 16,705.2 | 12,607.9 | 39.0 | 38.6 | 113.62 | -3,917.2 | 121.3 | 540.3 | 461.2 | 79.09 | 6.831 | |
| 16,600.0 | 12,388.5 | 16,805.2 | 12,608.5 | 39.8 | 39.4 | 113.62 | -4,017.2 | 122.2 | 540.3 | 459.6 | 80.67 | 6.697 | |
| 16,700.0 | 12,389.0 | 16,905.2 | 12,609.0 | 40.7 | 40.3 | 113.62 | -4,117.2 | 123.1 | 540.3 | 458.0 | 82.25 | 6.568 | |
| 16,800.0 | 12,389.5 | 17,005.2 | 12,609.5 | 41.5 | 41.1 | 113.62 | -4,217.2 | 124.0 | 540.3 | 456.4 | 83.84 | 6.444 | |
| 16,900.0 | 12,390.1 | 17,105.2 | 12,610.1 | 42.3 | 41.9 | 113.62 | -4,317.2 | 125.0 | 540.3 | 454.8 | 85.44 | 6.323 | |
| 17,000.0 | 12,390.6 | 17,205.2 | 12,610.6 | 43.1 | 42.8 | 113.62 | -4,417.2 | 125.9 | 540.3 | 453.2 | 87.03 | 6.207 | |
| 17,100.0 | 12,391.2 | 17,305.2 | 12,611.2 | 44.0 | 43.6 | 113.62 | -4,517.2 | 126.8 | 540.3 | 451.6 | 88.64 | 6.095 | |
| 17,200.0 | 12,391.7 | 17,405.2 | 12,611.7 | 44.8 | 44.5 | 113.62 | -4,617.1 | 127.7 | 540.3 | 450.0 | 90.24 | 5.987 | |
| 17,300.0 | 12,392.3 | 17,505.2 | 12,612.3 | 45.6 | 45.3 | 113.62 | -4,717.1 | 128.7 | 540.3 | 448.4 | 91.85 | 5.882 | |
| 17,400.0 | 12,392.8 | 17,605.2 | 12,612.8 | 46.5 | 46.1 | 113.62 | -4,817.1 | 129.6 | 540.3 | 446.8 | 93.46 | 5.781 | |
| 17,500.0 | 12,393.4 | 17,705.2 | 12,613.4 | 47.3 | 47.0 | 113.62 | -4,917.1 | 130.5 | 540.3 | 445.2 | 95.08 | 5.682 | |
| 17,600.0 | 12,393.9 | 17,805.2 | 12,613.9 | 48.1 | 47.8 | 113.62 | -5,017.1 | 131.4 | 540.3 | 443.6 | 96.70 | 5.587 | |
| 17,700.0 | 12,394.5 | 17,905.2 | 12,614.5 | 49.0 | 48.7 | 113.62 | -5,117.1 | 132.3 | 540.3 | 441.9 | 98.32 | 5.495 | |
| 17,800.0 | 12,395.0 | 18,005.2 | 12,615.0 | 49.8 | 49.5 | 113.62 | -5,217.1 | 133.3 | 540.3 | 440.3 | 99.94 | 5.406 | |
| 17,900.0 | 12,395.6 | 18,105.2 | 12,615.6 | 50.7 | 50.4 | 113.62 | -5,317.1 | 134.2 | 540.3 | 438.7 | 101.57 | 5.319 | |
| 18,000.0 | 12,396.1 | 18,205.2 | 12,616.1 | 51.5 | 51.2 | 113.62 | -5,417.1 | 135.1 | 540.3 | 437.1 | 103.19 | 5.235 | |
| 18,100.0 | 12,396.7 | 18,305.2 | 12,616.7 | 52.3 | 52.1 | 113.62 | -5,517.1 | 136.0 | 540.3 | 435.4 | 104.82 | 5.154 | |
| 18,200.0 | 12,397.2 | 18,405.2 | 12,617.2 | 53.2 | 52.9 | 113.62 | -5,617.1 | 136.9 | 540.3 | 433.8 | 106.46 | 5.075 | |
| 18,300.0 | 12,397.8 | 18,505.2 | 12,617.8 | 54.0 | 53.8 | 113.62 | -5,717.1 | 137.9 | 540.3 | 432.2 | 108.09 | 4.998 | |
| 18,400.0 | 12,398.3 | 18,605.2 | 12,618.3 | 54.8 | 54.6 | 113.62 | -5,817.1 | 138.8 | 540.3 | 430.5 | 109.73 | 4.924 | |
| 18,500.0 | 12,398.9 | 18,705.2 | 12,618.9 | 55.7 | 55.5 | 113.62 | -5,917.1 | 139.7 | 540.3 | 428.9 | 111.37 | 4.851 | |
| 18,600.0 | 12,399.4 | 18,805.2 | 12,619.4 | 56.5 | 56.3 | 113.62 | -6,017.1 | 140.6 | 540.3 | 427.3 | 113.01 | 4.781 | |
| 18,700.0 | 12,399.9 | 18,905.2 | 12,619.9 | 57.4 | 57.2 | 113.62 | -6,117.1 | 141.5 | 540.3 | 425.6 | 114.65 | 4.712 | |
| 18,800.0 | 12,400.5 | 19,005.2 | 12,620.5 | 58.2 | 58.0 | 113.62 | -6,217.1 | 142.5 | 540.3 | 424.0 | 116.30 | 4.646 | |
| 18,900.0 | 12,401.0 | 19,105.2 | 12,621.0 | 59.1 | 58.9 | 113.62 | -6,317.1 | 143.4 | 540.3 | 422.3 | 117.94 | 4.581 | |
| 19,000.0 | 12,401.6 | 19,205.2 | 12,621.6 | 59.9 | 59.7 | 113.62 | -6,417.0 | 144.3 | 540.3 | 420.7 | 119.59 | 4.518 | |
| 19,100.0 | 12,402.1 | 19,305.2 | 12,622.1 | 60.8 | 60.6 | 113.62 | -6,517.0 | 145.2 | 540.3 | 419.0 | 121.24 | 4.456 | |
| 19,200.0 | 12,402.7 | 19,405.2 | 12,622.7 | 61.6 | 61.4 | 113.62 | -6,617.0 | 146.1 | 540.3 | 417.4 | 122.89 | 4.397 | |
| 19,300.0 | 12,403.2 | 19,505.2 | 12,623.2 | 62.4 | 62.3 | 113.62 | -6,717.0 | 147.1 | 540.3 | 415.7 | 124.54 | 4.338 | |
| 19,400.0 | 12,403.8 | 19,605.2 | 12,623.8 | 63.3 | 63.1 | 113.62 | -6,817.0 | 148.0 | 540.3 | 414.1 | 126.19 | 4.281 | |
| 19,500.0 | 12,404.3 | 19,705.2 | 12,624.3 | 64.1 | 64.0 | 113.62 | -6,917.0 | 148.9 | 540.3 | 412.4 | 127.84 | 4.226 | |
| 19,600.0 | 12,404.9 | 19,805.2 | 12,624.9 | 65.0 | 64.8 | 113.62 | -7,017.0 | 149.8 | 540.3 | 410.8 | 129.50 | 4.172 | |
| 19,700.0 | 12,405.4 | 19,905.2 | 12,625.4 | 65.8 | 65.7 | 113.62 | -7,117.0 | 150.7 | 540.3 | 409.1 | 131.15 | 4.119 | |
| 19,800.0 | 12,406.0 | 20,005.2 | 12,626.0 | 66.7 | 66.5 | 113.62 | -7,217.0 | 151.7 | 540.3 | 407.5 | 132.81 | 4.068 | |
| 19,900.0 | 12,406.5 | 20,105.2 | 12,626.5 | 67.5 | 67.4 | 113.62 | -7,317.0 | 152.6 | 540.3 | 405.8 | 134.47 | 4.018 | |
| 19,988.6 | 12,407.0 | 20,193.8 | 12,627.0 | 68.3 | 68.1 | 113.62 | -7,405.6 | 153.4 | 540.3 | 404.3 | 135.94 | 3.974 SF | |

# ConocoPhillips

## Anticollision Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | PWP1 | **Offset TVD Reference:** | Offset Datum |

**Offset Design:** GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - PWP1 — **Offset Site Error:** 3.0 usft

**Survey Program:** 0-Standard Keeper 104, 12231-MWD+IFR1+FDIR — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.0 | 2.7 | 2.7 | 3.0 | 3.0 | 89.62 | 0.2 | 30.0 | 30.0 | | | | |
| 100.0 | 100.0 | 102.7 | 102.7 | 3.0 | 3.0 | 89.62 | 0.2 | 30.0 | 30.0 | 24.0 | 6.00 | 5.000 | |
| 200.0 | 200.0 | 202.7 | 202.7 | 3.0 | 3.0 | 89.62 | 0.2 | 30.0 | 30.0 | 24.0 | 6.00 | 4.998 | |
| 300.0 | 300.0 | 302.7 | 302.7 | 3.0 | 3.0 | 89.62 | 0.2 | 30.0 | 30.0 | 24.0 | 6.01 | 4.993 | |
| 400.0 | 400.0 | 402.7 | 402.7 | 3.0 | 3.0 | 89.62 | 0.2 | 30.0 | 30.0 | 24.0 | 6.02 | 4.985 | |
| 500.0 | 500.0 | 502.7 | 502.7 | 3.1 | 3.1 | 89.62 | 0.2 | 30.0 | 30.0 | 24.0 | 6.03 | 4.974 | |
| 600.0 | 600.0 | 602.7 | 602.7 | 3.1 | 3.1 | 89.62 | 0.2 | 30.0 | 30.0 | 24.0 | 6.05 | 4.961 | |
| 700.0 | 700.0 | 702.7 | 702.7 | 3.1 | 3.1 | 89.62 | 0.2 | 30.0 | 30.0 | 23.9 | 6.07 | 4.946 | |
| 800.0 | 800.0 | 802.7 | 802.7 | 3.2 | 3.2 | 89.62 | 0.2 | 30.0 | 30.0 | 23.9 | 6.09 | 4.928 | |
| 900.0 | 900.0 | 902.7 | 902.7 | 3.2 | 3.2 | 89.62 | 0.2 | 30.0 | 30.0 | 23.9 | 6.11 | 4.908 | |
| 1,000.0 | 1,000.0 | 1,002.7 | 1,002.7 | 3.2 | 3.2 | 89.62 | 0.2 | 30.0 | 30.0 | 23.9 | 6.14 | 4.885 | |
| 1,100.0 | 1,100.0 | 1,102.7 | 1,102.7 | 3.3 | 3.3 | 89.62 | 0.2 | 30.0 | 30.0 | 23.8 | 6.17 | 4.860 | |
| 1,200.0 | 1,200.0 | 1,202.7 | 1,202.7 | 3.4 | 3.4 | 89.62 | 0.2 | 30.0 | 30.0 | 23.8 | 6.21 | 4.834 | |
| 1,300.0 | 1,300.0 | 1,302.7 | 1,302.7 | 3.4 | 3.4 | 89.62 | 0.2 | 30.0 | 30.0 | 23.8 | 6.24 | 4.805 | |
| 1,400.0 | 1,400.0 | 1,402.7 | 1,402.7 | 3.5 | 3.5 | 89.62 | 0.2 | 30.0 | 30.0 | 23.7 | 6.28 | 4.774 | |
| 1,500.0 | 1,500.0 | 1,502.7 | 1,502.7 | 3.5 | 3.5 | 89.62 | 0.2 | 30.0 | 30.0 | 23.7 | 6.33 | 4.742 | |
| 1,600.0 | 1,600.0 | 1,602.7 | 1,602.7 | 3.6 | 3.6 | 89.62 | 0.2 | 30.0 | 30.0 | 23.6 | 6.37 | 4.708 | |
| 1,700.0 | 1,700.0 | 1,702.7 | 1,702.7 | 3.7 | 3.7 | 89.62 | 0.2 | 30.0 | 30.0 | 23.6 | 6.42 | 4.672 | |
| 1,800.0 | 1,800.0 | 1,802.7 | 1,802.7 | 3.8 | 3.8 | 89.62 | 0.2 | 30.0 | 30.0 | 23.5 | 6.47 | 4.636 | |
| 1,900.0 | 1,900.0 | 1,902.7 | 1,902.7 | 3.9 | 3.9 | 89.62 | 0.2 | 30.0 | 30.0 | 23.5 | 6.53 | 4.597 | |
| 2,000.0 | 2,000.0 | 2,002.7 | 2,002.7 | 3.9 | 3.9 | 89.62 | 0.2 | 30.0 | 30.0 | 23.4 | 6.58 | 4.558 | |
| 2,100.0 | 2,100.0 | 2,102.7 | 2,102.7 | 4.0 | 4.0 | 89.62 | 0.2 | 30.0 | 30.0 | 23.4 | 6.64 | 4.518 | |
| 2,200.0 | 2,200.0 | 2,202.7 | 2,202.7 | 4.1 | 4.1 | 89.62 | 0.2 | 30.0 | 30.0 | 23.3 | 6.70 | 4.477 | |
| 2,300.0 | 2,300.0 | 2,302.7 | 2,302.7 | 4.2 | 4.2 | 89.62 | 0.2 | 30.0 | 30.0 | 23.2 | 6.76 | 4.435 | |
| 2,400.0 | 2,400.0 | 2,402.7 | 2,402.7 | 4.3 | 4.3 | 89.62 | 0.2 | 30.0 | 30.0 | 23.2 | 6.83 | 4.392 | |
| 2,415.7 | 2,415.7 | 2,418.4 | 2,418.4 | 4.3 | 4.3 | 89.62 | 0.2 | 30.0 | 30.0 | 23.2 | 6.84 | 4.386 | CC |
| 2,500.0 | 2,500.0 | 2,502.7 | 2,502.7 | 4.4 | 4.4 | 89.62 | 0.2 | 30.0 | 30.0 | 23.1 | 6.90 | 4.349 | ES |
| 2,600.0 | 2,600.0 | 2,601.7 | 2,601.7 | 4.5 | 4.5 | 34.17 | 0.9 | 31.7 | 30.3 | 23.3 | 6.97 | 4.342 | |
| 2,700.0 | 2,699.8 | 2,700.7 | 2,700.6 | 4.5 | 4.5 | 36.03 | 2.7 | 36.6 | 30.9 | 23.8 | 7.04 | 4.384 | |
| 2,800.0 | 2,799.5 | 2,800.0 | 2,799.5 | 4.6 | 4.6 | 39.02 | 5.9 | 44.6 | 31.9 | 24.8 | 7.11 | 4.482 | |
| 2,900.0 | 2,898.9 | 2,898.7 | 2,897.4 | 4.7 | 4.6 | 40.96 | 10.2 | 55.8 | 34.7 | 27.5 | 7.18 | 4.828 | |
| 3,000.0 | 2,998.4 | 2,997.9 | 2,995.5 | 4.8 | 4.7 | 40.47 | 15.7 | 69.9 | 40.2 | 32.9 | 7.26 | 5.536 | |
| 3,100.0 | 3,097.8 | 3,097.8 | 3,094.1 | 4.8 | 4.8 | 39.82 | 21.3 | 84.4 | 46.1 | 38.8 | 7.35 | 6.276 | |
| 3,200.0 | 3,197.3 | 3,197.6 | 3,192.7 | 4.9 | 4.8 | 39.33 | 27.0 | 99.0 | 52.1 | 44.6 | 7.45 | 6.990 | |
| 3,300.0 | 3,296.7 | 3,297.4 | 3,291.3 | 5.0 | 4.9 | 38.93 | 32.6 | 113.6 | 58.0 | 50.5 | 7.56 | 7.677 | |
| 3,400.0 | 3,396.2 | 3,397.2 | 3,389.9 | 5.1 | 5.0 | 38.61 | 38.2 | 128.1 | 64.0 | 56.3 | 7.67 | 8.338 | |
| 3,500.0 | 3,495.6 | 3,497.0 | 3,488.5 | 5.2 | 5.1 | 38.35 | 43.9 | 142.7 | 69.9 | 62.1 | 7.79 | 8.971 | |
| 3,600.0 | 3,595.1 | 3,596.9 | 3,587.1 | 5.3 | 5.1 | 38.12 | 49.5 | 157.2 | 75.9 | 67.9 | 7.92 | 9.578 | |
| 3,700.0 | 3,694.5 | 3,696.7 | 3,685.6 | 5.3 | 5.2 | 37.93 | 55.2 | 171.8 | 81.8 | 73.7 | 8.05 | 10.158 | |
| 3,800.0 | 3,794.0 | 3,796.5 | 3,784.2 | 5.4 | 5.3 | 37.76 | 60.8 | 186.4 | 87.7 | 79.6 | 8.19 | 10.713 | |
| 3,900.0 | 3,893.4 | 3,896.3 | 3,882.8 | 5.5 | 5.4 | 37.62 | 66.5 | 200.9 | 93.7 | 85.4 | 8.34 | 11.241 | |
| 4,000.0 | 3,992.9 | 3,996.2 | 3,981.4 | 5.6 | 5.5 | 37.49 | 72.1 | 215.5 | 99.7 | 91.2 | 8.48 | 11.745 | |
| 4,100.0 | 4,092.3 | 4,096.0 | 4,080.0 | 5.7 | 5.6 | 37.38 | 77.8 | 230.0 | 105.6 | 97.0 | 8.64 | 12.226 | |
| 4,200.0 | 4,191.8 | 4,195.8 | 4,178.6 | 5.8 | 5.7 | 37.27 | 83.4 | 244.6 | 111.6 | 102.8 | 8.80 | 12.682 | |
| 4,300.0 | 4,291.2 | 4,295.6 | 4,277.2 | 5.9 | 5.8 | 37.18 | 89.1 | 259.1 | 117.5 | 108.5 | 8.96 | 13.117 | |
| 4,400.0 | 4,390.7 | 4,395.4 | 4,375.8 | 6.0 | 5.9 | 37.10 | 94.7 | 273.7 | 123.5 | 114.3 | 9.12 | 13.530 | |
| 4,500.0 | 4,490.1 | 4,495.3 | 4,474.4 | 6.1 | 6.0 | 37.03 | 100.3 | 288.3 | 129.4 | 120.1 | 9.29 | 13.923 | |
| 4,600.0 | 4,589.6 | 4,595.1 | 4,573.0 | 6.2 | 6.1 | 36.96 | 106.0 | 302.8 | 135.4 | 125.9 | 9.47 | 14.296 | |
| 4,700.0 | 4,689.0 | 4,694.9 | 4,671.6 | 6.3 | 6.2 | 36.90 | 111.6 | 317.4 | 141.3 | 131.7 | 9.65 | 14.650 | |
| 4,800.0 | 4,788.5 | 4,794.7 | 4,770.2 | 6.4 | 6.3 | 36.84 | 117.3 | 331.9 | 147.3 | 137.4 | 9.83 | 14.986 | |
| 4,900.0 | 4,887.9 | 4,894.6 | 4,868.8 | 6.5 | 6.4 | 36.79 | 122.9 | 346.5 | 153.2 | 143.2 | 10.01 | 15.305 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | PWP1 | **Offset TVD Reference:** | Offset Datum |

**Offset Design:** GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - PWP1 — **Offset Site Error:** 3.0 usft

**Survey Program:** 0-Standard Keeper 104, 12231-MWD+IFR1+FDIR — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5,000.0 | 4,987.4 | 4,994.4 | 4,967.4 | 6.6 | 6.5 | 36.74 | 128.6 | 361.1 | 159.2 | 149.0 | 10.20 | 15.609 | |
| 5,100.0 | 5,086.9 | 5,094.2 | 5,066.0 | 6.7 | 6.6 | 36.69 | 134.2 | 375.6 | 165.1 | 154.7 | 10.39 | 15.896 | |
| 5,200.0 | 5,186.3 | 5,194.0 | 5,164.6 | 6.8 | 6.7 | 36.65 | 139.9 | 390.2 | 171.1 | 160.5 | 10.58 | 16.169 | |
| 5,300.0 | 5,285.8 | 5,293.9 | 5,263.1 | 7.0 | 6.8 | 36.61 | 145.5 | 404.7 | 177.0 | 166.3 | 10.78 | 16.429 | |
| 5,400.0 | 5,385.2 | 5,393.7 | 5,361.7 | 7.1 | 6.9 | 36.57 | 151.2 | 419.3 | 183.0 | 172.0 | 10.97 | 16.675 | |
| 5,500.0 | 5,484.7 | 5,493.5 | 5,460.3 | 7.2 | 7.0 | 36.54 | 156.8 | 433.9 | 188.9 | 177.8 | 11.17 | 16.909 | |
| 5,600.0 | 5,584.1 | 5,593.3 | 5,558.9 | 7.3 | 7.1 | 36.51 | 162.4 | 448.4 | 194.9 | 183.5 | 11.38 | 17.131 | |
| 5,700.0 | 5,683.6 | 5,693.1 | 5,657.5 | 7.4 | 7.2 | 36.48 | 168.1 | 463.0 | 200.9 | 189.3 | 11.58 | 17.342 | |
| 5,800.0 | 5,783.0 | 5,793.0 | 5,756.1 | 7.5 | 7.4 | 36.45 | 173.7 | 477.5 | 206.8 | 195.0 | 11.79 | 17.542 | |
| 5,900.0 | 5,882.5 | 5,892.8 | 5,854.7 | 7.6 | 7.5 | 36.42 | 179.4 | 492.1 | 212.8 | 200.8 | 12.00 | 17.733 | |
| 6,000.0 | 5,981.9 | 5,992.6 | 5,953.3 | 7.7 | 7.6 | 36.40 | 185.0 | 506.7 | 218.7 | 206.5 | 12.21 | 17.914 | |
| 6,100.0 | 6,081.4 | 6,092.4 | 6,051.9 | 7.8 | 7.7 | 36.37 | 190.7 | 521.2 | 224.7 | 212.2 | 12.42 | 18.085 | |
| 6,200.0 | 6,180.8 | 6,192.3 | 6,150.5 | 8.0 | 7.8 | 36.35 | 196.3 | 535.8 | 230.6 | 218.0 | 12.64 | 18.249 | |
| 6,300.0 | 6,280.3 | 6,292.1 | 6,249.1 | 8.1 | 7.9 | 36.33 | 202.0 | 550.3 | 236.6 | 223.7 | 12.85 | 18.404 | |
| 6,400.0 | 6,379.7 | 6,391.9 | 6,347.7 | 8.2 | 8.1 | 36.31 | 207.6 | 564.9 | 242.5 | 229.5 | 13.07 | 18.552 | |
| 6,500.0 | 6,479.2 | 6,491.7 | 6,446.3 | 8.3 | 8.2 | 36.29 | 213.3 | 579.5 | 248.5 | 235.2 | 13.29 | 18.693 | |
| 6,600.0 | 6,578.6 | 6,591.5 | 6,544.9 | 8.4 | 8.3 | 36.27 | 218.9 | 594.0 | 254.4 | 240.9 | 13.51 | 18.827 | |
| 6,700.0 | 6,678.1 | 6,691.4 | 6,643.5 | 8.5 | 8.4 | 36.25 | 224.5 | 608.6 | 260.4 | 246.7 | 13.74 | 18.954 | |
| 6,800.0 | 6,777.5 | 6,791.2 | 6,742.0 | 8.7 | 8.6 | 36.23 | 230.2 | 623.1 | 266.3 | 252.4 | 13.96 | 19.075 | |
| 6,900.0 | 6,877.0 | 6,891.0 | 6,840.6 | 8.8 | 8.7 | 36.21 | 235.8 | 637.7 | 272.3 | 258.1 | 14.19 | 19.191 | |
| 7,000.0 | 6,976.4 | 6,990.8 | 6,939.2 | 8.9 | 8.8 | 36.20 | 241.5 | 652.3 | 278.3 | 263.8 | 14.42 | 19.301 | |
| 7,100.0 | 7,075.9 | 7,090.7 | 7,037.8 | 9.0 | 8.9 | 36.18 | 247.1 | 666.8 | 284.2 | 269.6 | 14.65 | 19.405 | |
| 7,200.0 | 7,175.3 | 7,190.5 | 7,136.4 | 9.1 | 9.1 | 36.17 | 252.8 | 681.4 | 290.2 | 275.3 | 14.88 | 19.505 | |
| 7,300.0 | 7,274.8 | 7,290.3 | 7,235.0 | 9.2 | 9.2 | 36.16 | 258.4 | 695.9 | 296.1 | 281.0 | 15.11 | 19.600 | |
| 7,400.0 | 7,374.3 | 7,390.1 | 7,333.6 | 9.4 | 9.3 | 36.14 | 264.1 | 710.5 | 302.1 | 286.7 | 15.34 | 19.690 | |
| 7,500.0 | 7,473.7 | 7,489.9 | 7,432.2 | 9.5 | 9.5 | 36.13 | 269.7 | 725.1 | 308.0 | 292.5 | 15.58 | 19.776 | |
| 7,600.0 | 7,573.2 | 7,589.8 | 7,530.8 | 9.6 | 9.6 | 36.12 | 275.4 | 739.6 | 314.0 | 298.2 | 15.81 | 19.858 | |
| 7,700.0 | 7,672.6 | 7,689.6 | 7,629.4 | 9.7 | 9.7 | 36.11 | 281.0 | 754.2 | 319.9 | 303.9 | 16.05 | 19.936 | |
| 7,800.0 | 7,772.1 | 7,789.4 | 7,728.0 | 9.8 | 9.9 | 36.09 | 286.6 | 768.7 | 325.9 | 309.6 | 16.29 | 20.011 | |
| 7,900.0 | 7,871.5 | 7,889.2 | 7,826.6 | 10.0 | 10.0 | 36.08 | 292.3 | 783.3 | 331.8 | 315.3 | 16.52 | 20.082 | |
| 8,000.0 | 7,971.0 | 7,989.1 | 7,925.2 | 10.1 | 10.1 | 36.07 | 297.9 | 797.9 | 337.8 | 321.0 | 16.76 | 20.149 | |
| 8,100.0 | 8,070.4 | 8,088.9 | 8,023.8 | 10.2 | 10.3 | 36.06 | 303.6 | 812.4 | 343.8 | 326.7 | 17.01 | 20.214 | |
| 8,200.0 | 8,169.9 | 8,188.7 | 8,122.4 | 10.3 | 10.4 | 36.05 | 309.2 | 827.0 | 349.7 | 332.5 | 17.25 | 20.275 | |
| 8,300.0 | 8,269.3 | 8,288.5 | 8,221.0 | 10.5 | 10.6 | 36.04 | 314.9 | 841.5 | 355.7 | 338.2 | 17.49 | 20.334 | |
| 8,400.0 | 8,368.8 | 8,388.4 | 8,319.5 | 10.6 | 10.7 | 36.03 | 320.5 | 856.1 | 361.6 | 343.9 | 17.74 | 20.390 | |
| 8,500.0 | 8,468.2 | 8,488.2 | 8,418.1 | 10.7 | 10.8 | 36.02 | 326.2 | 870.6 | 367.6 | 349.6 | 17.98 | 20.443 | |
| 8,600.0 | 8,567.7 | 8,588.0 | 8,516.7 | 10.8 | 11.0 | 36.02 | 331.8 | 885.2 | 373.5 | 355.3 | 18.23 | 20.493 | |
| 8,700.0 | 8,667.1 | 8,687.8 | 8,615.3 | 11.0 | 11.1 | 36.01 | 337.4 | 899.8 | 379.5 | 361.0 | 18.47 | 20.541 | |
| 8,800.0 | 8,766.6 | 8,787.6 | 8,713.9 | 11.1 | 11.3 | 36.00 | 343.1 | 914.3 | 385.4 | 366.7 | 18.72 | 20.587 | |
| 8,900.0 | 8,866.0 | 8,887.5 | 8,812.5 | 11.2 | 11.4 | 35.99 | 348.7 | 928.9 | 391.4 | 372.4 | 18.97 | 20.631 | |
| 9,000.0 | 8,965.5 | 8,987.3 | 8,911.1 | 11.3 | 11.6 | 35.98 | 354.4 | 943.4 | 397.3 | 378.1 | 19.22 | 20.673 | |
| 9,100.0 | 9,065.0 | 9,087.1 | 9,009.7 | 11.4 | 11.7 | 35.94 | 360.0 | 958.0 | 404.0 | 384.5 | 19.47 | 20.745 | |
| 9,200.0 | 9,164.7 | 9,186.7 | 9,108.1 | 11.6 | 11.9 | 35.77 | 365.7 | 972.5 | 412.1 | 392.3 | 19.73 | 20.881 | |
| 9,300.0 | 9,264.5 | 9,286.2 | 9,206.4 | 11.7 | 12.0 | 35.47 | 371.3 | 987.0 | 421.6 | 401.6 | 20.00 | 21.083 | |
| 9,400.0 | 9,364.4 | 9,388.5 | 9,307.4 | 11.8 | 12.2 | 35.06 | 377.0 | 1,001.8 | 432.4 | 412.1 | 20.25 | 21.350 | |
| 9,500.0 | 9,464.4 | 9,495.4 | 9,413.3 | 11.9 | 12.3 | 34.59 | 382.4 | 1,015.8 | 443.2 | 422.7 | 20.51 | 21.614 | |
| 9,600.0 | 9,564.4 | 9,602.6 | 9,519.6 | 12.0 | 12.5 | 90.15 | 387.1 | 1,027.9 | 453.8 | 433.1 | 20.74 | 21.878 | |
| 9,700.0 | 9,664.4 | 9,710.1 | 9,626.6 | 12.2 | 12.6 | 89.65 | 391.1 | 1,038.2 | 463.4 | 442.4 | 20.96 | 22.112 | |
| 9,800.0 | 9,764.4 | 9,818.0 | 9,734.1 | 12.3 | 12.7 | 89.26 | 394.4 | 1,046.7 | 471.3 | 450.1 | 21.17 | 22.258 | |
| 9,900.0 | 9,864.4 | 9,926.2 | 9,842.0 | 12.4 | 12.9 | 88.96 | 397.0 | 1,053.3 | 477.4 | 456.0 | 21.39 | 22.315 | |
| 10,000.0 | 9,964.4 | 10,034.6 | 9,950.4 | 12.5 | 13.0 | 88.75 | 398.8 | 1,057.9 | 481.8 | 460.1 | 21.62 | 22.286 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | PWP1 | **Offset TVD Reference:** | Offset Datum |

**Offset Design:** GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - PWP1 — **Offset Site Error:** 3.0 usft

**Survey Program:** 0-Standard Keeper 104, 12231-MWD+IFR1+FDIR — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10,100.0 | 10,064.4 | 10,143.2 | 10,058.9 | 12.6 | 13.1 | 88.63 | 399.9 | 1,060.7 | 484.3 | 462.5 | 21.85 | 22.171 | |
| 10,200.0 | 10,164.4 | 10,251.4 | 10,167.1 | 12.7 | 13.1 | 88.59 | 400.2 | 1,061.6 | 485.2 | 463.1 | 22.06 | 21.991 | |
| 10,300.0 | 10,264.4 | 10,351.4 | 10,267.1 | 12.8 | 13.2 | 88.59 | 400.2 | 1,061.6 | 485.2 | 463.0 | 22.15 | 21.899 | |
| 10,400.0 | 10,364.4 | 10,451.4 | 10,367.1 | 12.9 | 13.4 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.9 | 22.25 | 21.807 | |
| 10,500.0 | 10,464.4 | 10,551.4 | 10,467.1 | 13.0 | 13.5 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.8 | 22.34 | 21.716 | |
| 10,600.0 | 10,564.4 | 10,651.4 | 10,567.1 | 13.1 | 13.6 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.7 | 22.43 | 21.625 | |
| 10,700.0 | 10,664.4 | 10,751.4 | 10,667.1 | 13.3 | 13.7 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.6 | 22.53 | 21.534 | |
| 10,800.0 | 10,764.4 | 10,851.4 | 10,767.1 | 13.4 | 13.8 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.5 | 22.62 | 21.444 | |
| 10,900.0 | 10,864.4 | 10,951.4 | 10,867.1 | 13.5 | 13.9 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.4 | 22.72 | 21.353 | |
| 11,000.0 | 10,964.4 | 11,051.4 | 10,967.1 | 13.6 | 14.0 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.3 | 22.82 | 21.263 | |
| 11,100.0 | 11,064.4 | 11,151.4 | 11,067.1 | 13.7 | 14.1 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.2 | 22.91 | 21.174 | |
| 11,200.0 | 11,164.4 | 11,251.4 | 11,167.1 | 13.8 | 14.2 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.1 | 23.01 | 21.085 | |
| 11,300.0 | 11,264.4 | 11,351.4 | 11,267.1 | 13.9 | 14.3 | 88.59 | 400.2 | 1,061.6 | 485.2 | 462.0 | 23.11 | 20.996 | |
| 11,400.0 | 11,364.4 | 11,451.4 | 11,367.1 | 14.0 | 14.4 | 88.59 | 400.2 | 1,061.6 | 485.2 | 461.9 | 23.20 | 20.908 | |
| 11,500.0 | 11,464.4 | 11,551.4 | 11,467.1 | 14.2 | 14.5 | 88.59 | 400.2 | 1,061.6 | 485.2 | 461.8 | 23.30 | 20.819 | |
| 11,600.0 | 11,564.4 | 11,651.4 | 11,567.1 | 14.3 | 14.6 | 88.59 | 400.2 | 1,061.6 | 485.2 | 461.7 | 23.40 | 20.732 | |
| 11,700.0 | 11,664.4 | 11,751.4 | 11,667.1 | 14.4 | 14.7 | 88.59 | 400.2 | 1,061.6 | 485.2 | 461.6 | 23.50 | 20.644 | |
| 11,800.0 | 11,764.4 | 11,851.4 | 11,767.1 | 14.5 | 14.8 | 88.59 | 400.2 | 1,061.6 | 485.2 | 461.6 | 23.60 | 20.557 | |
| 11,900.0 | 11,864.4 | 11,951.4 | 11,867.1 | 14.6 | 14.9 | 88.59 | 400.2 | 1,061.6 | 485.2 | 461.5 | 23.70 | 20.471 | |
| 11,925.1 | 11,889.5 | 11,976.5 | 11,892.2 | 14.6 | 14.9 | 88.59 | 400.2 | 1,061.6 | 485.2 | 461.4 | 23.72 | 20.454 | |
| 11,950.0 | 11,914.4 | 12,001.4 | 11,917.1 | 14.6 | 15.0 | -90.95 | 400.2 | 1,061.6 | 485.2 | 461.4 | 23.74 | 20.436 | |
| 11,975.0 | 11,939.3 | 12,026.3 | 11,942.0 | 14.6 | 15.0 | -91.18 | 400.2 | 1,061.6 | 485.2 | 461.4 | 23.78 | 20.402 | |
| 12,000.0 | 11,964.1 | 12,051.1 | 11,966.8 | 14.6 | 15.0 | -91.55 | 400.2 | 1,061.6 | 485.3 | 461.4 | 23.84 | 20.354 | |
| 12,025.0 | 11,988.7 | 12,075.7 | 11,991.4 | 14.6 | 15.0 | -92.06 | 400.2 | 1,061.6 | 485.4 | 461.5 | 23.92 | 20.292 | |
| 12,050.0 | 12,013.0 | 12,100.0 | 12,015.7 | 14.7 | 15.1 | -92.70 | 400.2 | 1,061.6 | 485.7 | 461.6 | 24.02 | 20.218 | |
| 12,075.0 | 12,036.9 | 12,123.9 | 12,039.6 | 14.7 | 15.1 | -93.45 | 400.2 | 1,061.6 | 486.1 | 461.9 | 24.14 | 20.134 | |
| 12,100.0 | 12,060.5 | 12,147.5 | 12,063.2 | 14.7 | 15.1 | -94.30 | 400.2 | 1,061.6 | 486.7 | 462.4 | 24.28 | 20.041 | |
| 12,125.0 | 12,083.6 | 12,170.6 | 12,086.3 | 14.7 | 15.1 | -95.24 | 400.2 | 1,061.6 | 487.5 | 463.1 | 24.45 | 19.943 | |
| 12,150.0 | 12,106.2 | 12,193.2 | 12,108.9 | 14.7 | 15.2 | -96.23 | 400.2 | 1,061.6 | 488.7 | 464.1 | 24.63 | 19.843 | |
| 12,175.0 | 12,128.1 | 12,215.1 | 12,130.8 | 14.7 | 15.2 | -97.26 | 400.2 | 1,061.6 | 490.3 | 465.5 | 24.83 | 19.747 | |
| 12,200.0 | 12,149.5 | 12,237.5 | 12,153.2 | 14.7 | 15.2 | -98.36 | 400.2 | 1,061.6 | 492.4 | 467.3 | 25.04 | 19.661 | |
| 12,225.0 | 12,170.1 | 12,263.6 | 12,179.3 | 14.7 | 15.2 | -99.68 | 399.1 | 1,061.6 | 494.8 | 469.6 | 25.24 | 19.604 | |
| 12,250.0 | 12,189.9 | 12,290.7 | 12,206.3 | 14.8 | 15.2 | -100.99 | 396.6 | 1,061.6 | 497.6 | 472.2 | 25.44 | 19.559 | |
| 12,275.0 | 12,208.9 | 12,318.9 | 12,234.1 | 14.8 | 15.2 | -102.30 | 392.3 | 1,061.7 | 500.7 | 475.1 | 25.65 | 19.518 | |
| 12,300.0 | 12,227.0 | 12,348.3 | 12,262.9 | 14.8 | 15.2 | -103.62 | 386.1 | 1,061.7 | 504.1 | 478.2 | 25.89 | 19.474 | |
| 12,325.0 | 12,244.3 | 12,379.1 | 12,292.5 | 14.8 | 15.2 | -104.93 | 377.7 | 1,061.8 | 507.7 | 481.6 | 26.15 | 19.416 | |
| 12,350.0 | 12,260.5 | 12,411.3 | 12,322.8 | 14.8 | 15.2 | -106.25 | 366.9 | 1,061.9 | 511.5 | 485.1 | 26.46 | 19.333 | |
| 12,375.0 | 12,275.7 | 12,445.1 | 12,353.8 | 14.9 | 15.2 | -107.55 | 353.3 | 1,062.0 | 515.5 | 488.7 | 26.83 | 19.215 | |
| 12,400.0 | 12,289.9 | 12,480.6 | 12,385.2 | 14.9 | 15.3 | -108.85 | 336.8 | 1,062.2 | 519.6 | 492.3 | 27.27 | 19.054 | |
| 12,425.0 | 12,302.9 | 12,518.0 | 12,416.9 | 14.9 | 15.3 | -110.13 | 316.9 | 1,062.4 | 523.6 | 495.9 | 27.79 | 18.843 | |
| 12,450.0 | 12,314.9 | 12,557.5 | 12,448.5 | 14.9 | 15.3 | -111.37 | 293.4 | 1,062.6 | 527.7 | 499.3 | 28.40 | 18.583 | |
| 12,475.0 | 12,325.6 | 12,599.0 | 12,479.5 | 15.0 | 15.3 | -112.58 | 265.8 | 1,062.8 | 531.6 | 502.5 | 29.08 | 18.279 | |
| 12,500.0 | 12,335.2 | 12,642.6 | 12,509.5 | 15.0 | 15.4 | -113.71 | 234.1 | 1,063.1 | 535.3 | 505.4 | 29.83 | 17.942 | |
| 12,525.0 | 12,343.6 | 12,688.5 | 12,537.7 | 15.0 | 15.4 | -114.76 | 198.0 | 1,063.5 | 538.7 | 508.1 | 30.63 | 17.589 | |
| 12,550.0 | 12,350.7 | 12,736.4 | 12,563.3 | 15.0 | 15.5 | -115.70 | 157.5 | 1,063.8 | 541.7 | 510.3 | 31.42 | 17.239 | |
| 12,575.0 | 12,356.5 | 12,786.2 | 12,585.4 | 15.1 | 15.5 | -116.49 | 112.9 | 1,064.2 | 544.2 | 512.0 | 32.17 | 16.915 | |
| 12,600.0 | 12,361.1 | 12,837.6 | 12,603.4 | 15.1 | 15.6 | -117.11 | 64.7 | 1,064.7 | 546.2 | 513.3 | 32.82 | 16.639 | |
| 12,625.0 | 12,364.3 | 12,890.3 | 12,616.2 | 15.1 | 15.6 | -117.53 | 13.7 | 1,065.2 | 547.5 | 514.2 | 33.33 | 16.427 | |
| 12,650.0 | 12,366.3 | 12,943.8 | 12,623.5 | 15.1 | 15.6 | -117.75 | -39.3 | 1,065.6 | 548.1 | 514.5 | 33.64 | 16.294 | |
| 12,672.5 | 12,367.0 | 12,985.2 | 12,625.0 | 15.1 | 15.7 | -117.76 | -80.7 | 1,066.0 | 548.2 | 514.4 | 33.75 | 16.243 | |
| 12,700.0 | 12,367.1 | 13,012.7 | 12,625.1 | 15.2 | 15.7 | -117.76 | -108.2 | 1,066.3 | 548.2 | 514.3 | 33.87 | 16.187 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | PWP1 | **Offset TVD Reference:** | Offset Datum |

**Offset Design:** GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - PWP1 — **Offset Site Error:** 3.0 usft

**Survey Program:** 0-Standard Keeper 104, 12231-MWD+IFR1+FDIR — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12,800.0 | 12,367.7 | 13,112.7 | 12,625.7 | 15.3 | 15.8 | -117.76 | -208.2 | 1,067.2 | 548.2 | 513.8 | 34.34 | 15.965 | |
| 12,900.0 | 12,368.2 | 13,212.7 | 12,626.2 | 15.4 | 15.9 | -117.76 | -308.2 | 1,068.1 | 548.2 | 513.3 | 34.88 | 15.715 | |
| 13,000.0 | 12,368.7 | 13,312.7 | 12,626.8 | 15.5 | 16.0 | -117.76 | -408.2 | 1,069.0 | 548.2 | 512.7 | 35.50 | 15.441 | |
| 13,100.0 | 12,369.3 | 13,412.7 | 12,627.3 | 15.7 | 16.2 | -117.76 | -508.2 | 1,070.0 | 548.2 | 512.0 | 36.19 | 15.147 | |
| 13,200.0 | 12,369.8 | 13,512.7 | 12,627.9 | 16.0 | 16.4 | -117.76 | -608.1 | 1,070.9 | 548.2 | 511.2 | 36.94 | 14.839 | |
| 13,300.0 | 12,370.4 | 13,612.7 | 12,628.4 | 16.2 | 16.7 | -117.76 | -708.1 | 1,071.8 | 548.2 | 510.4 | 37.75 | 14.520 | |
| 13,400.0 | 12,370.9 | 13,712.7 | 12,629.0 | 16.6 | 17.1 | -117.76 | -808.1 | 1,072.7 | 548.2 | 509.6 | 38.62 | 14.193 | |
| 13,500.0 | 12,371.5 | 13,812.7 | 12,629.5 | 17.0 | 17.5 | -117.76 | -908.1 | 1,073.6 | 548.2 | 508.6 | 39.54 | 13.862 | |
| 13,600.0 | 12,372.0 | 13,912.7 | 12,630.1 | 17.5 | 18.0 | -117.76 | -1,008.1 | 1,074.6 | 548.2 | 507.7 | 40.51 | 13.530 | |
| 13,700.0 | 12,372.6 | 14,012.7 | 12,630.6 | 18.0 | 18.5 | -117.76 | -1,108.1 | 1,075.5 | 548.2 | 506.6 | 41.53 | 13.199 | |
| 13,800.0 | 12,373.1 | 14,112.7 | 12,631.2 | 18.6 | 19.1 | -117.76 | -1,208.1 | 1,076.4 | 548.2 | 505.6 | 42.59 | 12.870 | |
| 13,900.0 | 12,373.7 | 14,212.7 | 12,631.7 | 19.2 | 19.7 | -117.76 | -1,308.1 | 1,077.3 | 548.2 | 504.5 | 43.69 | 12.547 | |
| 14,000.0 | 12,374.2 | 14,312.7 | 12,632.2 | 19.8 | 20.4 | -117.76 | -1,408.1 | 1,078.2 | 548.2 | 503.3 | 44.83 | 12.229 | |
| 14,100.0 | 12,374.8 | 14,412.7 | 12,632.8 | 20.4 | 21.0 | -117.76 | -1,508.1 | 1,079.2 | 548.2 | 502.2 | 46.00 | 11.918 | |
| 14,200.0 | 12,375.3 | 14,512.7 | 12,633.3 | 21.1 | 21.7 | -117.76 | -1,608.1 | 1,080.1 | 548.2 | 501.0 | 47.20 | 11.614 | |
| 14,300.0 | 12,375.9 | 14,612.7 | 12,633.9 | 21.8 | 22.4 | -117.76 | -1,708.1 | 1,081.0 | 548.2 | 499.7 | 48.43 | 11.319 | |
| 14,400.0 | 12,376.4 | 14,712.7 | 12,634.4 | 22.5 | 23.1 | -117.76 | -1,808.1 | 1,081.9 | 548.2 | 498.5 | 49.68 | 11.033 | |
| 14,500.0 | 12,377.0 | 14,812.7 | 12,635.0 | 23.2 | 23.8 | -117.76 | -1,908.1 | 1,082.9 | 548.2 | 497.2 | 50.97 | 10.756 | |
| 14,600.0 | 12,377.5 | 14,912.7 | 12,635.5 | 24.0 | 24.5 | -117.76 | -2,008.1 | 1,083.8 | 548.2 | 495.9 | 52.27 | 10.487 | |
| 14,700.0 | 12,378.1 | 15,012.7 | 12,636.1 | 24.7 | 25.3 | -117.76 | -2,108.1 | 1,084.7 | 548.2 | 494.6 | 53.60 | 10.228 | |
| 14,800.0 | 12,378.6 | 15,112.7 | 12,636.6 | 25.5 | 26.0 | -117.76 | -2,208.1 | 1,085.6 | 548.2 | 493.2 | 54.94 | 9.977 | |
| 14,900.0 | 12,379.1 | 15,212.7 | 12,637.2 | 26.2 | 26.8 | -117.76 | -2,308.0 | 1,086.5 | 548.2 | 491.9 | 56.31 | 9.735 | |
| 15,000.0 | 12,379.7 | 15,312.7 | 12,637.7 | 27.0 | 27.5 | -117.76 | -2,408.0 | 1,087.5 | 548.2 | 490.5 | 57.69 | 9.502 | |
| 15,100.0 | 12,380.2 | 15,412.7 | 12,638.3 | 27.8 | 28.3 | -117.76 | -2,508.0 | 1,088.4 | 548.2 | 489.1 | 59.09 | 9.277 | |
| 15,200.0 | 12,380.8 | 15,512.7 | 12,638.8 | 28.6 | 29.0 | -117.76 | -2,608.0 | 1,089.3 | 548.2 | 487.7 | 60.50 | 9.061 | |
| 15,300.0 | 12,381.3 | 15,612.7 | 12,639.4 | 29.3 | 29.8 | -117.76 | -2,708.0 | 1,090.2 | 548.2 | 486.2 | 61.92 | 8.852 | |
| 15,400.0 | 12,381.9 | 15,712.7 | 12,639.9 | 30.1 | 30.6 | -117.76 | -2,808.0 | 1,091.1 | 548.2 | 484.8 | 63.36 | 8.651 | |
| 15,500.0 | 12,382.4 | 15,812.7 | 12,640.4 | 30.9 | 31.4 | -117.76 | -2,908.0 | 1,092.1 | 548.2 | 483.3 | 64.81 | 8.457 | |
| 15,600.0 | 12,383.0 | 15,912.7 | 12,641.0 | 31.7 | 32.2 | -117.76 | -3,008.0 | 1,093.0 | 548.1 | 481.9 | 66.28 | 8.271 | |
| 15,700.0 | 12,383.5 | 16,012.7 | 12,641.5 | 32.5 | 33.0 | -117.76 | -3,108.0 | 1,093.9 | 548.1 | 480.4 | 67.75 | 8.091 | |
| 15,800.0 | 12,384.1 | 16,112.7 | 12,642.1 | 33.3 | 33.8 | -117.76 | -3,208.0 | 1,094.8 | 548.1 | 478.9 | 69.23 | 7.918 | |
| 15,900.0 | 12,384.6 | 16,212.7 | 12,642.6 | 34.1 | 34.6 | -117.76 | -3,308.0 | 1,095.7 | 548.1 | 477.4 | 70.72 | 7.751 | |
| 16,000.0 | 12,385.2 | 16,312.7 | 12,643.2 | 34.9 | 35.4 | -117.76 | -3,408.0 | 1,096.7 | 548.1 | 475.9 | 72.22 | 7.590 | |
| 16,100.0 | 12,385.7 | 16,412.7 | 12,643.7 | 35.8 | 36.2 | -117.76 | -3,508.0 | 1,097.6 | 548.1 | 474.4 | 73.73 | 7.434 | |
| 16,200.0 | 12,386.3 | 16,512.7 | 12,644.3 | 36.6 | 37.0 | -117.76 | -3,608.0 | 1,098.5 | 548.1 | 472.9 | 75.25 | 7.285 | |
| 16,300.0 | 12,386.8 | 16,612.7 | 12,644.8 | 37.4 | 37.8 | -117.76 | -3,708.0 | 1,099.4 | 548.1 | 471.4 | 76.77 | 7.140 | |
| 16,400.0 | 12,387.4 | 16,712.7 | 12,645.4 | 38.2 | 38.6 | -117.76 | -3,808.0 | 1,100.3 | 548.1 | 469.8 | 78.30 | 7.001 | |
| 16,500.0 | 12,387.9 | 16,812.7 | 12,645.9 | 39.0 | 39.4 | -117.76 | -3,908.0 | 1,101.3 | 548.1 | 468.3 | 79.83 | 6.866 | |
| 16,600.0 | 12,388.5 | 16,912.7 | 12,646.5 | 39.8 | 40.2 | -117.76 | -4,007.9 | 1,102.2 | 548.1 | 466.8 | 81.38 | 6.736 | |
| 16,700.0 | 12,389.0 | 17,012.7 | 12,647.0 | 40.7 | 41.0 | -117.76 | -4,107.9 | 1,103.1 | 548.1 | 465.2 | 82.92 | 6.610 | |
| 16,800.0 | 12,389.5 | 17,112.7 | 12,647.6 | 41.5 | 41.9 | -117.76 | -4,207.9 | 1,104.0 | 548.1 | 463.7 | 84.48 | 6.488 | |
| 16,900.0 | 12,390.1 | 17,212.7 | 12,648.1 | 42.3 | 42.7 | -117.76 | -4,307.9 | 1,104.9 | 548.1 | 462.1 | 86.04 | 6.371 | |
| 17,000.0 | 12,390.6 | 17,312.7 | 12,648.6 | 43.1 | 43.5 | -117.76 | -4,407.9 | 1,105.9 | 548.1 | 460.5 | 87.60 | 6.257 | |
| 17,100.0 | 12,391.2 | 17,412.7 | 12,649.2 | 44.0 | 44.3 | -117.76 | -4,507.9 | 1,106.8 | 548.1 | 459.0 | 89.17 | 6.147 | |
| 17,200.0 | 12,391.7 | 17,512.7 | 12,649.7 | 44.8 | 45.2 | -117.76 | -4,607.9 | 1,107.7 | 548.1 | 457.4 | 90.74 | 6.041 | |
| 17,300.0 | 12,392.3 | 17,612.7 | 12,650.3 | 45.6 | 46.0 | -117.76 | -4,707.9 | 1,108.6 | 548.1 | 455.8 | 92.31 | 5.938 | |
| 17,400.0 | 12,392.8 | 17,712.7 | 12,650.8 | 46.5 | 46.8 | -117.76 | -4,807.9 | 1,109.5 | 548.1 | 454.2 | 93.89 | 5.838 | |
| 17,500.0 | 12,393.4 | 17,812.7 | 12,651.4 | 47.3 | 47.6 | -117.76 | -4,907.9 | 1,110.5 | 548.1 | 452.6 | 95.48 | 5.741 | |
| 17,600.0 | 12,393.9 | 17,912.7 | 12,651.9 | 48.1 | 48.5 | -117.76 | -5,007.9 | 1,111.4 | 548.1 | 451.1 | 97.06 | 5.647 | |
| 17,700.0 | 12,394.5 | 18,012.7 | 12,652.5 | 49.0 | 49.3 | -117.76 | -5,107.9 | 1,112.3 | 548.1 | 449.5 | 98.66 | 5.556 | |
| 17,800.0 | 12,395.0 | 18,112.7 | 12,653.0 | 49.8 | 50.1 | -117.76 | -5,207.9 | 1,113.2 | 548.1 | 447.9 | 100.25 | 5.468 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | PWP1 | **Offset TVD Reference:** | Offset Datum |

**Offset Design:** GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - PWP1 — **Offset Site Error:** 3.0 usft

**Survey Program:** 0-Standard Keeper 104, 12231-MWD+IFR1+FDIR — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17,900.0 | 12,395.6 | 18,212.7 | 12,653.6 | 50.7 | 51.0 | -117.76 | -5,307.9 | 1,114.2 | 548.1 | 446.3 | 101.85 | 5.382 | |
| 18,000.0 | 12,396.1 | 18,312.7 | 12,654.1 | 51.5 | 51.8 | -117.76 | -5,407.9 | 1,115.1 | 548.1 | 444.7 | 103.44 | 5.299 | |
| 18,100.0 | 12,396.7 | 18,412.7 | 12,654.7 | 52.3 | 52.6 | -117.76 | -5,507.9 | 1,116.0 | 548.1 | 443.1 | 105.05 | 5.218 | |
| 18,200.0 | 12,397.2 | 18,512.7 | 12,655.2 | 53.2 | 53.5 | -117.76 | -5,607.9 | 1,116.9 | 548.1 | 441.5 | 106.65 | 5.139 | |
| 18,300.0 | 12,397.8 | 18,612.7 | 12,655.8 | 54.0 | 54.3 | -117.76 | -5,707.9 | 1,117.8 | 548.1 | 439.9 | 108.26 | 5.063 | |
| 18,400.0 | 12,398.3 | 18,712.7 | 12,656.3 | 54.8 | 55.1 | -117.76 | -5,807.8 | 1,118.8 | 548.1 | 438.2 | 109.87 | 4.989 | |
| 18,500.0 | 12,398.9 | 18,812.7 | 12,656.8 | 55.7 | 56.0 | -117.76 | -5,907.8 | 1,119.7 | 548.1 | 436.6 | 111.48 | 4.917 | |
| 18,600.0 | 12,399.4 | 18,912.7 | 12,657.4 | 56.5 | 56.8 | -117.76 | -6,007.8 | 1,120.6 | 548.1 | 435.0 | 113.10 | 4.846 | |
| 18,700.0 | 12,399.9 | 19,012.7 | 12,657.9 | 57.4 | 57.7 | -117.76 | -6,107.8 | 1,121.5 | 548.1 | 433.4 | 114.71 | 4.778 | |
| 18,800.0 | 12,400.5 | 19,112.7 | 12,658.5 | 58.2 | 58.5 | -117.76 | -6,207.8 | 1,122.4 | 548.1 | 431.8 | 116.33 | 4.712 | |
| 18,900.0 | 12,401.0 | 19,212.7 | 12,659.0 | 59.1 | 59.3 | -117.76 | -6,307.8 | 1,123.4 | 548.1 | 430.2 | 117.95 | 4.647 | |
| 19,000.0 | 12,401.6 | 19,312.7 | 12,659.6 | 59.9 | 60.2 | -117.76 | -6,407.8 | 1,124.3 | 548.1 | 428.5 | 119.57 | 4.584 | |
| 19,100.0 | 12,402.1 | 19,412.7 | 12,660.1 | 60.8 | 61.0 | -117.76 | -6,507.8 | 1,125.2 | 548.1 | 426.9 | 121.20 | 4.522 | |
| 19,200.0 | 12,402.7 | 19,512.7 | 12,660.7 | 61.6 | 61.9 | -117.76 | -6,607.8 | 1,126.1 | 548.1 | 425.3 | 122.82 | 4.463 | |
| 19,300.0 | 12,403.2 | 19,612.7 | 12,661.2 | 62.4 | 62.7 | -117.76 | -6,707.8 | 1,127.0 | 548.1 | 423.7 | 124.45 | 4.404 | |
| 19,400.0 | 12,403.8 | 19,712.7 | 12,661.8 | 63.3 | 63.6 | -117.76 | -6,807.8 | 1,128.0 | 548.1 | 422.0 | 126.08 | 4.347 | |
| 19,500.0 | 12,404.3 | 19,812.7 | 12,662.3 | 64.1 | 64.4 | -117.76 | -6,907.8 | 1,128.9 | 548.1 | 420.4 | 127.71 | 4.292 | |
| 19,600.0 | 12,404.9 | 19,912.7 | 12,662.9 | 65.0 | 65.2 | -117.76 | -7,007.8 | 1,129.8 | 548.1 | 418.8 | 129.34 | 4.238 | |
| 19,700.0 | 12,405.4 | 20,012.7 | 12,663.4 | 65.8 | 66.1 | -117.76 | -7,107.8 | 1,130.7 | 548.1 | 417.1 | 130.97 | 4.185 | |
| 19,800.0 | 12,406.0 | 20,112.7 | 12,664.0 | 66.7 | 66.9 | -117.76 | -7,207.8 | 1,131.6 | 548.1 | 415.5 | 132.61 | 4.133 | |
| 19,900.0 | 12,406.5 | 20,212.7 | 12,664.5 | 67.5 | 67.8 | -117.76 | -7,307.8 | 1,132.6 | 548.1 | 413.9 | 134.25 | 4.083 | |
| 19,988.6 | 12,407.0 | 20,301.3 | 12,665.0 | 68.3 | 68.5 | -117.76 | -7,396.3 | 1,133.4 | 548.1 | 412.4 | 135.70 | 4.039 SF | |

# ConocoPhillips
## Anticollision Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,200.0 | 4,191.8 | 4,252.3 | 4,244.7 | 5.8 | 4.7 | 30.53 | 156.2 | 1,120.6 | 991.5 | 982.3 | 9.23 | 107.434 | |
| 4,300.0 | 4,291.2 | 4,339.9 | 4,332.0 | 5.9 | 4.8 | 30.69 | 157.7 | 1,113.9 | 975.1 | 965.7 | 9.39 | 103.877 | |
| 4,400.0 | 4,390.7 | 4,431.8 | 4,423.7 | 6.0 | 4.9 | 30.87 | 159.2 | 1,107.9 | 959.7 | 950.1 | 9.55 | 100.469 | |
| 4,500.0 | 4,490.1 | 4,530.8 | 4,522.5 | 6.1 | 5.0 | 31.08 | 160.8 | 1,101.7 | 944.5 | 934.8 | 9.73 | 97.089 | |
| 4,600.0 | 4,589.6 | 4,630.6 | 4,622.0 | 6.2 | 5.1 | 31.27 | 162.7 | 1,095.3 | 929.4 | 919.5 | 9.91 | 93.792 | |
| 4,700.0 | 4,689.0 | 4,722.4 | 4,713.7 | 6.3 | 5.2 | 31.47 | 164.3 | 1,089.9 | 914.7 | 904.6 | 10.08 | 90.737 | |
| 4,800.0 | 4,788.5 | 4,839.3 | 4,830.4 | 6.4 | 5.3 | 31.70 | 166.8 | 1,081.9 | 899.0 | 888.7 | 10.29 | 87.356 | |
| 4,900.0 | 4,887.9 | 4,929.6 | 4,920.3 | 6.5 | 5.4 | 31.85 | 169.1 | 1,075.3 | 882.9 | 872.5 | 10.46 | 84.373 | |
| 5,000.0 | 4,987.4 | 5,073.1 | 5,063.2 | 6.6 | 5.5 | 32.14 | 172.3 | 1,062.0 | 865.0 | 854.3 | 10.74 | 80.576 | |
| 5,100.0 | 5,086.9 | 5,166.6 | 5,156.0 | 6.7 | 5.6 | 32.33 | 174.2 | 1,051.1 | 844.7 | 833.8 | 10.92 | 77.357 | |
| 5,200.0 | 5,186.3 | 5,261.9 | 5,250.6 | 6.8 | 5.7 | 32.56 | 176.0 | 1,040.5 | 824.8 | 813.7 | 11.11 | 74.252 | |
| 5,300.0 | 5,285.8 | 5,357.6 | 5,345.8 | 7.0 | 5.8 | 32.82 | 177.5 | 1,030.0 | 805.2 | 793.9 | 11.30 | 71.266 | |
| 5,400.0 | 5,385.2 | 5,442.7 | 5,430.5 | 7.1 | 5.9 | 33.09 | 178.5 | 1,021.7 | 786.7 | 775.2 | 11.47 | 68.609 | |
| 5,500.0 | 5,484.7 | 5,569.3 | 5,556.4 | 7.2 | 6.1 | 33.47 | 180.4 | 1,008.7 | 768.0 | 756.2 | 11.73 | 65.459 | |
| 5,600.0 | 5,584.1 | 5,669.8 | 5,655.9 | 7.3 | 6.2 | 33.65 | 183.8 | 995.4 | 746.1 | 734.2 | 11.94 | 62.475 | |
| 5,700.0 | 5,683.6 | 5,763.4 | 5,748.8 | 7.4 | 6.3 | 33.88 | 186.2 | 983.4 | 724.8 | 712.7 | 12.14 | 59.727 | |
| 5,800.0 | 5,783.0 | 5,851.4 | 5,836.1 | 7.5 | 6.4 | 34.16 | 187.9 | 972.8 | 704.1 | 691.8 | 12.31 | 57.199 | |
| 5,900.0 | 5,882.5 | 5,943.4 | 5,927.5 | 7.6 | 6.5 | 34.52 | 189.0 | 963.0 | 684.9 | 672.4 | 12.49 | 54.813 | |
| 6,000.0 | 5,981.9 | 6,076.3 | 6,059.3 | 7.7 | 6.6 | 35.03 | 191.3 | 945.3 | 663.0 | 650.2 | 12.81 | 51.736 | |
| 6,100.0 | 6,081.4 | 6,168.5 | 6,150.3 | 7.8 | 6.7 | 35.38 | 193.1 | 931.0 | 639.0 | 626.0 | 13.00 | 49.150 | |
| 6,200.0 | 6,180.8 | 6,258.3 | 6,239.1 | 8.0 | 6.8 | 35.81 | 194.3 | 918.4 | 616.5 | 603.3 | 13.18 | 46.788 | |
| 6,300.0 | 6,280.3 | 6,344.2 | 6,324.4 | 8.1 | 6.9 | 36.29 | 195.0 | 907.5 | 595.4 | 582.1 | 13.33 | 44.652 | |
| 6,400.0 | 6,379.7 | 6,436.9 | 6,416.5 | 8.2 | 7.0 | 36.87 | 195.4 | 897.0 | 575.7 | 562.2 | 13.52 | 42.597 | |
| 6,500.0 | 6,479.2 | 6,546.5 | 6,525.3 | 8.3 | 7.2 | 37.40 | 197.8 | 883.8 | 555.4 | 541.6 | 13.77 | 40.335 | |
| 6,600.0 | 6,578.6 | 6,641.6 | 6,619.5 | 8.4 | 7.3 | 37.75 | 201.3 | 871.8 | 534.3 | 520.4 | 13.97 | 38.252 | |
| 6,700.0 | 6,678.1 | 6,735.8 | 6,713.0 | 8.5 | 7.4 | 38.16 | 204.4 | 860.6 | 514.1 | 499.9 | 14.16 | 36.301 | |
| 6,800.0 | 6,777.5 | 6,833.9 | 6,810.3 | 8.7 | 7.5 | 38.66 | 207.2 | 849.1 | 494.1 | 479.7 | 14.37 | 34.383 | |
| 6,900.0 | 6,877.0 | 6,931.1 | 6,906.8 | 8.8 | 7.6 | 39.28 | 209.5 | 837.7 | 474.1 | 459.6 | 14.57 | 32.537 | |
| 7,000.0 | 6,976.4 | 7,030.2 | 7,005.3 | 8.9 | 7.7 | 39.99 | 211.5 | 826.2 | 454.3 | 439.5 | 14.78 | 30.734 | |
| 7,100.0 | 7,075.9 | 7,135.5 | 7,109.6 | 9.0 | 7.8 | 40.54 | 215.9 | 812.4 | 433.0 | 418.0 | 15.04 | 28.791 | |
| 7,200.0 | 7,175.3 | 7,225.5 | 7,198.8 | 9.1 | 7.9 | 41.04 | 219.7 | 801.1 | 412.1 | 396.9 | 15.20 | 27.115 | |
| 7,300.0 | 7,274.8 | 7,328.3 | 7,300.8 | 9.2 | 8.1 | 41.72 | 223.6 | 788.8 | 392.1 | 376.7 | 15.44 | 25.392 | |
| 7,400.0 | 7,374.3 | 7,432.2 | 7,403.4 | 9.4 | 8.2 | 42.18 | 229.9 | 774.4 | 369.8 | 354.1 | 15.71 | 23.539 | |
| 7,500.0 | 7,473.7 | 7,525.0 | 7,495.2 | 9.5 | 8.3 | 42.64 | 235.5 | 761.6 | 347.7 | 331.8 | 15.88 | 21.889 | |
| 7,600.0 | 7,573.2 | 7,617.7 | 7,587.1 | 9.6 | 8.4 | 43.27 | 240.1 | 750.4 | 327.4 | 311.4 | 16.05 | 20.403 | |
| 7,700.0 | 7,672.6 | 7,712.0 | 7,680.8 | 9.7 | 8.5 | 44.06 | 244.5 | 739.7 | 307.9 | 291.7 | 16.22 | 18.985 | |
| 7,800.0 | 7,772.1 | 7,810.4 | 7,778.6 | 9.8 | 8.6 | 45.16 | 247.9 | 729.8 | 290.0 | 273.6 | 16.42 | 17.667 | |
| 7,900.0 | 7,871.5 | 7,906.4 | 7,873.9 | 10.0 | 8.8 | 46.36 | 251.5 | 719.0 | 271.0 | 254.4 | 16.59 | 16.338 | |
| 8,000.0 | 7,971.0 | 7,998.0 | 7,965.1 | 10.1 | 8.9 | 47.84 | 253.6 | 711.2 | 255.0 | 238.3 | 16.70 | 15.268 | |
| 8,100.0 | 8,070.4 | 8,092.9 | 8,059.8 | 10.2 | 9.0 | 49.65 | 255.1 | 704.3 | 240.7 | 223.9 | 16.84 | 14.293 | |
| 8,200.0 | 8,169.9 | 8,189.2 | 8,155.8 | 10.3 | 9.1 | 51.92 | 255.3 | 698.6 | 228.3 | 211.3 | 16.98 | 13.447 | |
| 8,300.0 | 8,269.3 | 8,299.4 | 8,265.7 | 10.5 | 9.2 | 54.62 | 257.2 | 689.6 | 213.7 | 196.5 | 17.25 | 12.389 | |
| 8,400.0 | 8,368.8 | 8,393.5 | 8,359.3 | 10.6 | 9.3 | 57.26 | 259.4 | 680.8 | 198.3 | 180.9 | 17.35 | 11.428 | |
| 8,500.0 | 8,468.2 | 8,486.9 | 8,452.5 | 10.7 | 9.5 | 60.27 | 260.5 | 674.3 | 186.0 | 168.5 | 17.44 | 10.662 | |
| 8,600.0 | 8,567.7 | 8,590.2 | 8,555.6 | 10.8 | 9.6 | 63.90 | 261.5 | 668.5 | 175.7 | 158.1 | 17.64 | 9.962 | |
| 8,700.0 | 8,667.1 | 8,689.1 | 8,654.0 | 11.0 | 9.7 | 68.37 | 263.1 | 659.0 | 162.4 | 144.6 | 17.78 | 9.131 | |
| 8,800.0 | 8,766.6 | 8,784.4 | 8,749.0 | 11.1 | 9.8 | 73.11 | 264.1 | 651.6 | 152.1 | 134.2 | 17.90 | 8.494 | |
| 8,900.0 | 8,866.0 | 8,890.0 | 8,854.3 | 11.2 | 9.9 | 79.06 | 265.0 | 643.8 | 143.4 | 125.3 | 18.19 | 7.888 | |
| 9,000.0 | 8,965.5 | 8,990.6 | 8,953.8 | 11.3 | 10.1 | 87.54 | 267.4 | 628.8 | 130.4 | 112.0 | 18.46 | 7.067 | |
| 9,100.0 | 9,065.0 | 9,085.2 | 9,047.4 | 11.4 | 10.2 | 96.16 | 269.2 | 615.7 | 121.5 | 102.8 | 18.68 | 6.504 | |
| 9,200.0 | 9,164.7 | 9,181.9 | 9,143.6 | 11.6 | 10.3 | 103.90 | 270.5 | 605.5 | 117.3 | 98.3 | 19.01 | 6.169 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9,300.0 | 9,264.5 | 9,283.9 | 9,245.2 | 11.7 | 10.4 | 110.84 | 272.4 | 596.3 | 114.7 | 95.4 | 19.38 | 5.920 | |
| 9,400.0 | 9,364.4 | 9,381.8 | 9,342.7 | 11.8 | 10.6 | 116.38 | 276.2 | 588.5 | 111.2 | 91.5 | 19.69 | 5.649 | |
| 9,500.0 | 9,464.4 | 9,480.8 | 9,441.3 | 11.9 | 10.7 | 121.75 | 278.3 | 580.1 | 109.6 | 89.6 | 20.03 | 5.473 | |
| 9,600.0 | 9,564.4 | 9,581.0 | 9,540.8 | 12.0 | 10.8 | -176.10 | 281.1 | 569.3 | 107.4 | 87.0 | 20.44 | 5.257 | |
| 9,700.0 | 9,664.4 | 9,679.8 | 9,639.2 | 12.2 | 10.9 | -171.03 | 283.9 | 560.1 | 105.7 | 84.9 | 20.83 | 5.075 | |
| 9,754.1 | 9,718.5 | 9,733.2 | 9,692.4 | 12.2 | 11.0 | -168.41 | 285.0 | 555.4 | 105.5 | 84.4 | 21.04 | 5.014 | CC |
| 9,800.0 | 9,764.4 | 9,778.7 | 9,737.7 | 12.3 | 11.0 | -166.17 | 285.8 | 551.3 | 105.6 | 84.4 | 21.21 | 4.978 | ES |
| 9,900.0 | 9,864.4 | 9,878.5 | 9,837.2 | 12.4 | 11.2 | -162.30 | 287.0 | 544.3 | 106.4 | 84.8 | 21.55 | 4.936 | |
| 10,000.0 | 9,964.4 | 9,977.5 | 9,936.1 | 12.5 | 11.3 | -160.25 | 286.8 | 540.2 | 107.9 | 86.0 | 21.81 | 4.945 | |
| 10,100.0 | 10,064.4 | 10,077.4 | 10,036.0 | 12.6 | 11.4 | -158.83 | 285.8 | 536.9 | 109.9 | 87.9 | 22.04 | 4.988 | |
| 10,200.0 | 10,164.4 | 10,181.0 | 10,139.5 | 12.7 | 11.5 | -157.23 | 286.3 | 533.8 | 110.6 | 88.4 | 22.23 | 4.976 | |
| 10,231.9 | 10,196.3 | 10,211.7 | 10,170.2 | 12.7 | 11.6 | -156.74 | 286.8 | 533.0 | 110.5 | 88.2 | 22.31 | 4.952 | |
| 10,300.0 | 10,264.4 | 10,277.8 | 10,236.3 | 12.8 | 11.6 | -156.29 | 286.5 | 531.9 | 111.2 | 88.8 | 22.47 | 4.951 | |
| 10,400.0 | 10,364.4 | 10,379.5 | 10,337.9 | 12.9 | 11.7 | -154.32 | 287.6 | 528.2 | 111.8 | 89.1 | 22.68 | 4.929 | SF |
| 10,500.0 | 10,464.4 | 10,472.3 | 10,430.5 | 13.0 | 11.7 | -151.78 | 287.5 | 522.5 | 114.7 | 91.6 | 23.09 | 4.966 | |
| 10,600.0 | 10,564.4 | 10,553.0 | 10,510.0 | 13.1 | 11.7 | -149.25 | 279.5 | 511.9 | 129.7 | 105.1 | 24.55 | 5.282 | |
| 10,700.0 | 10,664.4 | 10,621.1 | 10,574.1 | 13.3 | 11.7 | -148.50 | 261.2 | 498.7 | 162.3 | 134.9 | 27.44 | 5.916 | |
| 10,800.0 | 10,764.4 | 10,693.6 | 10,639.3 | 13.4 | 11.8 | -148.32 | 234.3 | 481.6 | 206.3 | 176.9 | 29.31 | 7.036 | |
| 10,900.0 | 10,864.4 | 10,751.2 | 10,688.3 | 13.5 | 11.8 | -148.26 | 208.8 | 465.6 | 258.9 | 227.1 | 31.79 | 8.145 | |
| 11,000.0 | 10,964.4 | 10,796.8 | 10,723.8 | 13.6 | 11.9 | -148.09 | 184.9 | 450.0 | 321.6 | 287.4 | 34.22 | 9.397 | |
| 11,100.0 | 11,064.4 | 10,841.0 | 10,755.4 | 13.7 | 11.9 | -147.79 | 159.4 | 432.4 | 391.4 | 355.4 | 35.98 | 10.880 | |
| 11,200.0 | 11,164.4 | 10,884.6 | 10,784.7 | 13.8 | 12.0 | -147.49 | 133.0 | 413.9 | 465.5 | 428.2 | 37.28 | 12.486 | |
| 11,300.0 | 11,264.4 | 10,918.0 | 10,805.7 | 13.9 | 12.0 | -147.34 | 111.6 | 399.2 | 543.2 | 504.6 | 38.63 | 14.063 | |
| 11,400.0 | 11,364.4 | 10,951.2 | 10,825.4 | 14.0 | 12.1 | -147.34 | 89.1 | 384.8 | 624.1 | 584.4 | 39.70 | 15.720 | |
| 11,500.0 | 11,464.4 | 10,965.0 | 10,833.1 | 14.2 | 12.1 | -147.39 | 79.3 | 378.9 | 707.7 | 666.7 | 41.01 | 17.258 | |
| 11,600.0 | 11,564.4 | 10,991.6 | 10,846.9 | 14.3 | 12.1 | -147.54 | 59.6 | 367.6 | 793.5 | 751.7 | 41.84 | 18.967 | |
| 11,700.0 | 11,664.4 | 11,013.0 | 10,856.9 | 14.4 | 12.2 | -147.69 | 43.1 | 358.3 | 881.7 | 839.1 | 42.64 | 20.677 | |
| 11,800.0 | 11,764.4 | 11,013.0 | 10,856.9 | 14.5 | 12.2 | -147.69 | 43.1 | 358.3 | 971.4 | 927.8 | 43.64 | 22.259 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.0 | 4.9 | 4.9 | 3.0 | 3.0 | -90.29 | -0.3 | -60.0 | 60.0 | | | | |
| 100.0 | 100.0 | 104.9 | 104.9 | 3.0 | 3.0 | -90.29 | -0.3 | -60.0 | 60.0 | 54.0 | 6.00 | 9.994 | |
| 200.0 | 200.0 | 204.9 | 204.9 | 3.0 | 3.0 | -90.29 | -0.3 | -60.0 | 60.0 | 54.0 | 6.04 | 9.929 | |
| 300.0 | 300.0 | 304.9 | 304.9 | 3.0 | 3.1 | -90.29 | -0.3 | -60.0 | 60.0 | 53.9 | 6.13 | 9.795 | |
| 400.0 | 400.0 | 404.9 | 404.9 | 3.0 | 3.2 | -90.29 | -0.3 | -60.0 | 60.0 | 53.8 | 6.25 | 9.604 | |
| 500.0 | 500.0 | 504.9 | 504.9 | 3.1 | 3.4 | -90.29 | -0.3 | -60.0 | 60.0 | 53.6 | 6.40 | 9.368 | |
| 600.0 | 600.0 | 604.9 | 604.9 | 3.1 | 3.6 | -90.29 | -0.3 | -60.0 | 60.0 | 53.4 | 6.59 | 9.100 | |
| 700.0 | 700.0 | 704.9 | 704.9 | 3.1 | 3.8 | -90.29 | -0.3 | -60.0 | 60.0 | 53.2 | 6.81 | 8.812 | |
| 800.0 | 800.0 | 804.9 | 804.9 | 3.2 | 4.0 | -90.29 | -0.3 | -60.0 | 60.0 | 53.0 | 7.05 | 8.513 | |
| 900.0 | 900.0 | 904.9 | 904.9 | 3.2 | 4.3 | -90.29 | -0.3 | -60.0 | 60.0 | 52.7 | 7.31 | 8.212 | |
| 1,000.0 | 1,000.0 | 1,004.9 | 1,004.9 | 3.2 | 4.5 | -90.29 | -0.3 | -60.0 | 60.0 | 52.4 | 7.58 | 7.914 | |
| 1,100.0 | 1,100.0 | 1,104.9 | 1,104.9 | 3.3 | 4.8 | -90.29 | -0.3 | -60.0 | 60.0 | 52.1 | 7.87 | 7.623 | |
| 1,200.0 | 1,200.0 | 1,204.9 | 1,204.9 | 3.4 | 5.1 | -90.29 | -0.3 | -60.0 | 60.0 | 51.8 | 8.17 | 7.342 | |
| 1,300.0 | 1,300.0 | 1,304.9 | 1,304.9 | 3.4 | 5.4 | -90.29 | -0.3 | -60.0 | 60.0 | 51.5 | 8.48 | 7.072 | |
| 1,400.0 | 1,400.0 | 1,404.9 | 1,404.9 | 3.5 | 5.7 | -90.29 | -0.3 | -60.0 | 60.0 | 51.2 | 8.80 | 6.814 | |
| 1,500.0 | 1,500.0 | 1,504.9 | 1,504.9 | 3.5 | 6.0 | -90.29 | -0.3 | -60.0 | 60.0 | 50.9 | 9.13 | 6.569 | |
| 1,600.0 | 1,600.0 | 1,604.9 | 1,604.9 | 3.6 | 6.3 | -90.29 | -0.3 | -60.0 | 60.0 | 50.5 | 9.47 | 6.337 | |
| 1,700.0 | 1,700.0 | 1,704.9 | 1,704.9 | 3.7 | 6.6 | -90.29 | -0.3 | -60.0 | 60.0 | 50.2 | 9.81 | 6.116 | |
| 1,800.0 | 1,800.0 | 1,804.9 | 1,804.9 | 3.8 | 6.9 | -90.29 | -0.3 | -60.0 | 60.0 | 49.8 | 10.16 | 5.907 | |
| 1,900.0 | 1,900.0 | 1,904.9 | 1,904.9 | 3.9 | 7.2 | -90.29 | -0.3 | -60.0 | 60.0 | 49.5 | 10.51 | 5.710 | |
| 2,000.0 | 2,000.0 | 2,004.9 | 2,004.9 | 3.9 | 7.6 | -90.29 | -0.3 | -60.0 | 60.0 | 49.1 | 10.86 | 5.523 | |
| 2,100.0 | 2,100.0 | 2,104.9 | 2,104.9 | 4.0 | 7.9 | -90.29 | -0.3 | -60.0 | 60.0 | 48.8 | 11.22 | 5.346 | |
| 2,200.0 | 2,200.0 | 2,204.9 | 2,204.9 | 4.1 | 8.2 | -90.29 | -0.3 | -60.0 | 60.0 | 48.4 | 11.59 | 5.178 | |
| 2,300.0 | 2,300.0 | 2,304.9 | 2,304.9 | 4.2 | 8.6 | -90.29 | -0.3 | -60.0 | 60.0 | 48.0 | 11.95 | 5.019 | |
| 2,400.0 | 2,400.0 | 2,404.9 | 2,404.9 | 4.3 | 8.9 | -90.29 | -0.3 | -60.0 | 60.0 | 47.7 | 12.32 | 4.869 | |
| 2,414.9 | 2,414.9 | 2,419.8 | 2,419.8 | 4.3 | 9.0 | -90.29 | -0.3 | -60.0 | 60.0 | 47.6 | 12.38 | 4.847 | CC |
| 2,500.0 | 2,500.0 | 2,504.8 | 2,504.8 | 4.4 | 9.2 | -90.28 | -0.3 | -60.0 | 60.0 | 47.3 | 12.70 | 4.727 | ES, SF |
| 2,600.0 | 2,600.0 | 2,603.4 | 2,603.4 | 4.5 | 9.6 | -145.90 | 1.1 | -61.3 | 62.7 | 49.7 | 13.06 | 4.803 | |
| 2,700.0 | 2,699.8 | 2,701.5 | 2,701.3 | 4.5 | 9.9 | -145.02 | 4.9 | -64.8 | 70.6 | 57.2 | 13.42 | 5.265 | |
| 2,800.0 | 2,799.5 | 2,798.8 | 2,798.3 | 4.6 | 10.2 | -143.95 | 11.2 | -70.5 | 83.8 | 70.0 | 13.77 | 6.081 | |
| 2,900.0 | 2,898.9 | 2,897.5 | 2,896.5 | 4.7 | 10.6 | -143.17 | 18.9 | -77.4 | 99.5 | 85.3 | 14.15 | 7.032 | |
| 3,000.0 | 2,998.4 | 2,996.3 | 2,994.7 | 4.8 | 10.9 | -142.60 | 26.5 | -84.4 | 115.2 | 100.7 | 14.52 | 7.933 | |
| 3,100.0 | 3,097.8 | 3,095.0 | 3,092.9 | 4.8 | 11.3 | -142.17 | 34.1 | -91.3 | 130.9 | 116.0 | 14.90 | 8.785 | |
| 3,200.0 | 3,197.3 | 3,193.8 | 3,191.1 | 4.9 | 11.6 | -141.83 | 41.8 | -98.3 | 146.7 | 131.4 | 15.29 | 9.593 | |
| 3,300.0 | 3,296.7 | 3,292.5 | 3,289.3 | 5.0 | 11.9 | -141.56 | 49.4 | -105.2 | 162.4 | 146.8 | 15.68 | 10.359 | |
| 3,400.0 | 3,396.2 | 3,391.3 | 3,387.5 | 5.1 | 12.3 | -141.33 | 57.0 | -112.1 | 178.2 | 162.1 | 16.07 | 11.085 | |
| 3,500.0 | 3,495.6 | 3,490.0 | 3,485.7 | 5.2 | 12.6 | -141.14 | 64.7 | -119.1 | 194.0 | 177.5 | 16.47 | 11.775 | |
| 3,600.0 | 3,595.1 | 3,588.8 | 3,583.9 | 5.3 | 13.0 | -140.98 | 72.3 | -126.0 | 209.7 | 192.8 | 16.87 | 12.429 | |
| 3,700.0 | 3,694.5 | 3,687.5 | 3,682.1 | 5.3 | 13.3 | -140.84 | 79.9 | -133.0 | 225.5 | 208.2 | 17.28 | 13.050 | |
| 3,800.0 | 3,794.0 | 3,786.3 | 3,780.3 | 5.4 | 13.7 | -140.73 | 87.6 | -139.9 | 241.2 | 223.5 | 17.68 | 13.641 | |
| 3,900.0 | 3,893.4 | 3,885.0 | 3,878.5 | 5.5 | 14.0 | -140.62 | 95.2 | -146.9 | 257.0 | 238.9 | 18.10 | 14.202 | |
| 4,000.0 | 3,992.9 | 3,983.8 | 3,976.8 | 5.6 | 14.3 | -140.53 | 102.8 | -153.8 | 272.8 | 254.2 | 18.51 | 14.737 | |
| 4,100.0 | 4,092.3 | 4,082.5 | 4,075.0 | 5.7 | 14.7 | -140.44 | 110.5 | -160.8 | 288.5 | 269.6 | 18.92 | 15.246 | |
| 4,200.0 | 4,191.8 | 4,181.3 | 4,173.2 | 5.8 | 15.0 | -140.37 | 118.1 | -167.7 | 304.3 | 284.9 | 19.34 | 15.730 | |
| 4,300.0 | 4,291.2 | 4,280.0 | 4,271.4 | 5.9 | 15.4 | -140.30 | 125.8 | -174.7 | 320.0 | 300.3 | 19.77 | 16.192 | |
| 4,400.0 | 4,390.7 | 4,378.8 | 4,369.6 | 6.0 | 15.7 | -140.24 | 133.4 | -181.6 | 335.8 | 315.6 | 20.19 | 16.633 | |
| 4,500.0 | 4,490.1 | 4,477.5 | 4,467.8 | 6.1 | 16.1 | -140.19 | 141.0 | -188.6 | 351.6 | 331.0 | 20.62 | 17.054 | |
| 4,600.0 | 4,589.6 | 4,576.3 | 4,566.0 | 6.2 | 16.4 | -140.14 | 148.7 | -195.5 | 367.3 | 346.3 | 21.04 | 17.455 | |
| 4,700.0 | 4,689.0 | 4,675.0 | 4,664.2 | 6.3 | 16.8 | -140.09 | 156.3 | -202.4 | 383.1 | 361.6 | 21.48 | 17.839 | |
| 4,800.0 | 4,788.5 | 4,773.8 | 4,762.4 | 6.4 | 17.1 | -140.05 | 163.9 | -209.4 | 398.9 | 377.0 | 21.91 | 18.206 | |
| 4,900.0 | 4,887.9 | 4,872.5 | 4,860.6 | 6.5 | 17.5 | -140.01 | 171.6 | -216.3 | 414.6 | 392.3 | 22.34 | 18.557 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5,000.0 | 4,987.4 | 4,971.3 | 4,958.8 | 6.6 | 17.8 | -139.97 | 179.2 | -223.3 | 430.4 | 407.6 | 22.78 | 18.893 | |
| 5,100.0 | 5,086.9 | 5,070.0 | 5,057.0 | 6.7 | 18.2 | -139.94 | 186.8 | -230.2 | 446.2 | 422.9 | 23.22 | 19.215 | |
| 5,200.0 | 5,186.3 | 5,168.8 | 5,155.3 | 6.8 | 18.5 | -139.91 | 194.5 | -237.2 | 461.9 | 438.3 | 23.66 | 19.524 | |
| 5,300.0 | 5,285.8 | 5,267.5 | 5,253.5 | 7.0 | 18.9 | -139.88 | 202.1 | -244.1 | 477.7 | 453.6 | 24.10 | 19.820 | |
| 5,400.0 | 5,385.2 | 5,366.3 | 5,351.7 | 7.1 | 19.3 | -139.85 | 209.7 | -251.1 | 493.5 | 468.9 | 24.55 | 20.103 | |
| 5,500.0 | 5,484.7 | 5,465.0 | 5,449.9 | 7.2 | 19.6 | -139.82 | 217.4 | -258.0 | 509.2 | 484.2 | 24.99 | 20.376 | |
| 5,600.0 | 5,584.1 | 5,563.8 | 5,548.1 | 7.3 | 20.0 | -139.80 | 225.0 | -265.0 | 525.0 | 499.6 | 25.44 | 20.637 | |
| 5,700.0 | 5,683.6 | 5,662.5 | 5,646.3 | 7.4 | 20.3 | -139.78 | 232.7 | -271.9 | 540.8 | 514.9 | 25.89 | 20.888 | |
| 5,800.0 | 5,783.0 | 5,761.3 | 5,744.5 | 7.5 | 20.7 | -139.75 | 240.3 | -278.8 | 556.5 | 530.2 | 26.34 | 21.130 | |
| 5,900.0 | 5,882.5 | 5,860.0 | 5,842.7 | 7.6 | 21.0 | -139.73 | 247.9 | -285.8 | 572.3 | 545.5 | 26.79 | 21.362 | |
| 6,000.0 | 5,981.9 | 5,958.8 | 5,940.9 | 7.7 | 21.4 | -139.71 | 255.6 | -292.7 | 588.1 | 560.8 | 27.24 | 21.586 | |
| 6,100.0 | 6,081.4 | 6,057.5 | 6,039.1 | 7.8 | 21.7 | -139.70 | 263.2 | -299.7 | 603.8 | 576.1 | 27.70 | 21.801 | |
| 6,200.0 | 6,180.8 | 6,156.3 | 6,137.3 | 8.0 | 22.1 | -139.68 | 270.8 | -306.6 | 619.6 | 591.4 | 28.15 | 22.008 | |
| 6,300.0 | 6,280.3 | 6,255.0 | 6,235.5 | 8.1 | 22.4 | -139.66 | 278.5 | -313.6 | 635.4 | 606.8 | 28.61 | 22.208 | |
| 6,400.0 | 6,379.7 | 6,353.8 | 6,333.7 | 8.2 | 22.8 | -139.65 | 286.1 | -320.5 | 651.1 | 622.1 | 29.07 | 22.400 | |
| 6,500.0 | 6,479.2 | 6,452.5 | 6,432.0 | 8.3 | 23.2 | -139.63 | 293.7 | -327.5 | 666.9 | 637.4 | 29.53 | 22.586 | |
| 6,600.0 | 6,578.6 | 6,551.3 | 6,530.2 | 8.4 | 23.5 | -139.62 | 301.4 | -334.4 | 682.7 | 652.7 | 29.99 | 22.765 | |
| 6,700.0 | 6,678.1 | 6,650.0 | 6,628.4 | 8.5 | 23.9 | -139.60 | 309.0 | -341.4 | 698.4 | 668.0 | 30.45 | 22.937 | |
| 6,800.0 | 6,777.5 | 6,748.8 | 6,726.6 | 8.7 | 24.2 | -139.59 | 316.6 | -348.3 | 714.2 | 683.3 | 30.91 | 23.104 | |
| 6,900.0 | 6,877.0 | 6,847.5 | 6,824.8 | 8.8 | 24.6 | -139.58 | 324.3 | -355.2 | 730.0 | 698.6 | 31.38 | 23.265 | |
| 7,000.0 | 6,976.4 | 6,946.3 | 6,923.0 | 8.9 | 24.9 | -139.56 | 331.9 | -362.2 | 745.7 | 713.9 | 31.84 | 23.421 | |
| 7,100.0 | 7,075.9 | 7,045.0 | 7,021.2 | 9.0 | 25.3 | -139.55 | 339.6 | -369.1 | 761.5 | 729.2 | 32.31 | 23.571 | |
| 7,200.0 | 7,175.3 | 7,143.8 | 7,119.4 | 9.1 | 25.7 | -139.54 | 347.2 | -376.1 | 777.3 | 744.5 | 32.77 | 23.717 | |
| 7,300.0 | 7,274.8 | 7,242.5 | 7,217.6 | 9.2 | 26.0 | -139.53 | 354.8 | -383.0 | 793.0 | 759.8 | 33.24 | 23.858 | |
| 7,400.0 | 7,374.3 | 7,345.8 | 7,320.4 | 9.4 | 26.4 | -139.53 | 362.7 | -390.2 | 808.7 | 775.0 | 33.72 | 23.983 | |
| 7,500.0 | 7,473.7 | 7,456.6 | 7,430.7 | 9.5 | 26.8 | -139.61 | 369.9 | -396.7 | 823.2 | 789.0 | 34.22 | 24.059 | |
| 7,600.0 | 7,573.2 | 7,567.7 | 7,541.6 | 9.6 | 27.2 | -139.78 | 375.5 | -401.8 | 836.3 | 801.5 | 34.71 | 24.090 | |
| 7,700.0 | 7,672.6 | 7,679.2 | 7,652.9 | 9.7 | 27.6 | -140.05 | 379.5 | -405.4 | 847.9 | 812.7 | 35.21 | 24.080 | |
| 7,800.0 | 7,772.1 | 7,790.9 | 7,764.6 | 9.8 | 28.0 | -140.40 | 381.9 | -407.6 | 858.1 | 822.4 | 35.71 | 24.029 | |
| 7,900.0 | 7,871.5 | 7,902.7 | 7,876.4 | 10.0 | 28.4 | -140.85 | 382.7 | -408.4 | 866.9 | 830.7 | 36.21 | 23.942 | |
| 8,000.0 | 7,971.0 | 8,002.2 | 7,975.9 | 10.1 | 28.7 | -141.28 | 382.7 | -408.4 | 875.1 | 838.4 | 36.69 | 23.849 | |
| 8,100.0 | 8,070.4 | 8,101.6 | 8,075.3 | 10.2 | 29.1 | -141.70 | 382.7 | -408.4 | 883.3 | 846.1 | 37.17 | 23.760 | |
| 8,200.0 | 8,169.9 | 8,201.1 | 8,174.8 | 10.3 | 29.4 | -142.12 | 382.7 | -408.4 | 891.5 | 853.9 | 37.66 | 23.674 | |
| 8,300.0 | 8,269.3 | 8,300.5 | 8,274.2 | 10.5 | 29.8 | -142.53 | 382.7 | -408.4 | 899.8 | 861.7 | 38.14 | 23.590 | |
| 8,400.0 | 8,368.8 | 8,400.0 | 8,373.7 | 10.6 | 30.1 | -142.93 | 382.7 | -408.4 | 908.1 | 869.5 | 38.63 | 23.510 | |
| 8,500.0 | 8,468.2 | 8,499.4 | 8,473.1 | 10.7 | 30.5 | -143.32 | 382.7 | -408.4 | 916.5 | 877.4 | 39.11 | 23.432 | |
| 8,600.0 | 8,567.7 | 8,598.9 | 8,572.6 | 10.8 | 30.8 | -143.71 | 382.7 | -408.4 | 924.9 | 885.3 | 39.60 | 23.356 | |
| 8,700.0 | 8,667.1 | 8,698.3 | 8,672.0 | 11.0 | 31.2 | -144.09 | 382.7 | -408.4 | 933.4 | 893.3 | 40.09 | 23.284 | |
| 8,800.0 | 8,766.6 | 8,797.8 | 8,771.5 | 11.1 | 31.5 | -144.46 | 382.7 | -408.4 | 941.9 | 901.3 | 40.58 | 23.213 | |
| 8,900.0 | 8,866.0 | 8,897.2 | 8,870.9 | 11.2 | 31.9 | -144.82 | 382.7 | -408.4 | 950.4 | 909.4 | 41.06 | 23.145 | |
| 9,000.0 | 8,965.5 | 8,996.7 | 8,970.4 | 11.3 | 32.2 | -145.18 | 382.7 | -408.4 | 959.0 | 917.5 | 41.55 | 23.079 | |
| 9,100.0 | 9,065.0 | 9,096.2 | 9,069.9 | 11.4 | 32.6 | -145.55 | 382.7 | -408.4 | 966.9 | 924.9 | 42.04 | 23.000 | |
| 9,200.0 | 9,164.7 | 9,195.9 | 9,169.6 | 11.6 | 32.9 | -145.85 | 382.7 | -408.4 | 973.4 | 930.9 | 42.52 | 22.893 | |
| 9,300.0 | 9,264.5 | 9,295.7 | 9,269.4 | 11.7 | 33.3 | -146.08 | 382.7 | -408.4 | 978.5 | 935.5 | 42.99 | 22.760 | |
| 9,400.0 | 9,364.4 | 9,395.6 | 9,369.3 | 11.8 | 33.6 | -146.24 | 382.7 | -408.4 | 982.1 | 938.6 | 43.45 | 22.601 | |
| 9,500.0 | 9,464.4 | 9,495.6 | 9,469.3 | 11.9 | 34.0 | -146.34 | 382.7 | -408.4 | 984.3 | 940.4 | 43.91 | 22.414 | |
| 9,600.0 | 9,564.4 | 9,595.6 | 9,569.3 | 12.0 | 34.3 | -90.33 | 382.7 | -408.4 | 985.0 | 940.7 | 44.34 | 22.214 | |
| 9,700.0 | 9,664.4 | 9,695.6 | 9,669.3 | 12.2 | 34.7 | -90.33 | 382.7 | -408.4 | 985.0 | 940.3 | 44.74 | 22.015 | |
| 9,800.0 | 9,764.4 | 9,795.6 | 9,769.3 | 12.3 | 35.0 | -90.33 | 382.7 | -408.4 | 985.0 | 939.9 | 45.14 | 21.820 | |
| 9,900.0 | 9,864.4 | 9,895.6 | 9,869.3 | 12.4 | 35.4 | -90.33 | 382.7 | -408.4 | 985.0 | 939.5 | 45.54 | 21.629 | |
| 10,000.0 | 9,964.4 | 9,995.6 | 9,969.3 | 12.5 | 35.7 | -90.33 | 382.7 | -408.4 | 985.0 | 939.1 | 45.94 | 21.440 | |

CC - Min centre to center distance or covergent 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

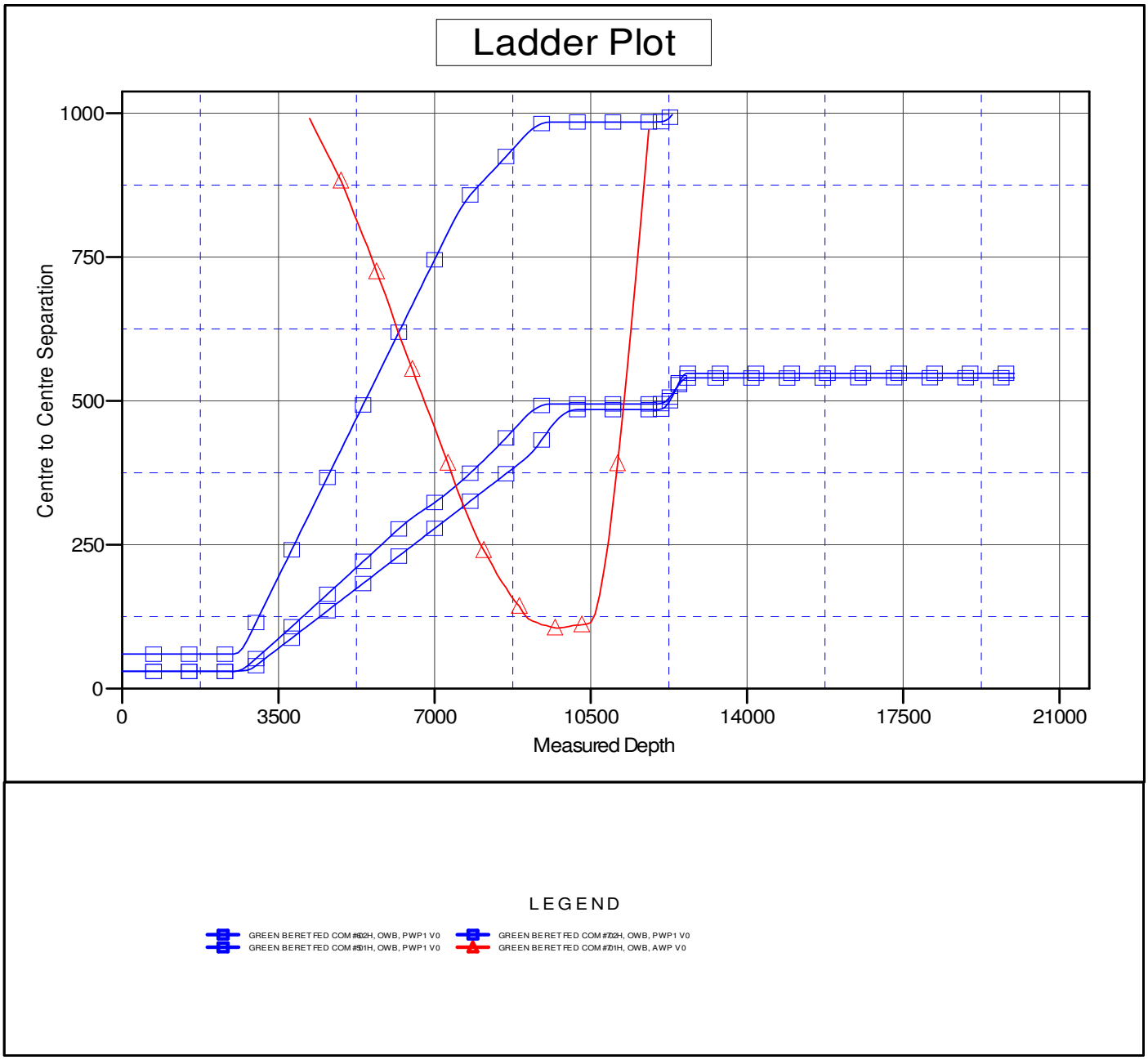
| Reference Measured Depth (usft) | Reference Vertical Depth (usft) | Offset Measured Depth (usft) | Offset Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10,100.0 | 10,064.4 | 10,095.6 | 10,069.3 | 12.6 | 36.1 | -90.33 | 382.7 | -408.4 | 985.0 | 938.7 | 46.34 | 21.255 | |
| 10,200.0 | 10,164.4 | 10,195.6 | 10,169.3 | 12.7 | 36.5 | -90.33 | 382.7 | -408.4 | 985.0 | 938.3 | 46.74 | 21.072 | |
| 10,300.0 | 10,264.4 | 10,295.6 | 10,269.3 | 12.8 | 36.8 | -90.33 | 382.7 | -408.4 | 985.0 | 937.8 | 47.14 | 20.893 | |
| 10,400.0 | 10,364.4 | 10,395.6 | 10,369.3 | 12.9 | 37.2 | -90.33 | 382.7 | -408.4 | 985.0 | 937.4 | 47.55 | 20.716 | |
| 10,500.0 | 10,464.4 | 10,495.6 | 10,469.3 | 13.0 | 37.5 | -90.33 | 382.7 | -408.4 | 985.0 | 937.0 | 47.95 | 20.543 | |
| 10,600.0 | 10,564.4 | 10,595.6 | 10,569.3 | 13.1 | 37.9 | -90.33 | 382.7 | -408.4 | 985.0 | 936.6 | 48.35 | 20.372 | |
| 10,700.0 | 10,664.4 | 10,695.6 | 10,669.3 | 13.3 | 38.2 | -90.33 | 382.7 | -408.4 | 985.0 | 936.2 | 48.75 | 20.203 | |
| 10,800.0 | 10,764.4 | 10,795.6 | 10,769.3 | 13.4 | 38.6 | -90.33 | 382.7 | -408.4 | 985.0 | 935.8 | 49.16 | 20.038 | |
| 10,900.0 | 10,864.4 | 10,895.6 | 10,869.3 | 13.5 | 38.9 | -90.33 | 382.7 | -408.4 | 985.0 | 935.4 | 49.56 | 19.875 | |
| 11,000.0 | 10,964.4 | 10,995.6 | 10,969.3 | 13.6 | 39.3 | -90.33 | 382.7 | -408.4 | 985.0 | 935.0 | 49.96 | 19.714 | |
| 11,100.0 | 11,064.4 | 11,095.6 | 11,069.3 | 13.7 | 39.6 | -90.33 | 382.7 | -408.4 | 985.0 | 934.6 | 50.37 | 19.556 | |
| 11,200.0 | 11,164.4 | 11,195.6 | 11,169.3 | 13.8 | 40.0 | -90.33 | 382.7 | -408.4 | 985.0 | 934.2 | 50.77 | 19.400 | |
| 11,300.0 | 11,264.4 | 11,295.6 | 11,269.3 | 13.9 | 40.4 | -90.33 | 382.7 | -408.4 | 985.0 | 933.8 | 51.18 | 19.247 | |
| 11,400.0 | 11,364.4 | 11,395.6 | 11,369.3 | 14.0 | 40.7 | -90.33 | 382.7 | -408.4 | 985.0 | 933.4 | 51.58 | 19.096 | |
| 11,500.0 | 11,464.4 | 11,495.6 | 11,469.3 | 14.2 | 41.1 | -90.33 | 382.7 | -408.4 | 985.0 | 933.0 | 51.99 | 18.947 | |
| 11,600.0 | 11,564.4 | 11,595.6 | 11,569.3 | 14.3 | 41.4 | -90.33 | 382.7 | -408.4 | 985.0 | 932.6 | 52.39 | 18.800 | |
| 11,700.0 | 11,664.4 | 11,695.6 | 11,669.3 | 14.4 | 41.8 | -90.33 | 382.7 | -408.4 | 985.0 | 932.2 | 52.80 | 18.656 | |
| 11,800.0 | 11,764.4 | 11,795.6 | 11,769.3 | 14.5 | 42.1 | -90.33 | 382.7 | -408.4 | 985.0 | 931.8 | 53.20 | 18.513 | |
| 11,900.0 | 11,864.4 | 11,895.6 | 11,869.3 | 14.6 | 42.5 | -90.33 | 382.7 | -408.4 | 985.0 | 931.4 | 53.61 | 18.373 | |
| 11,925.1 | 11,889.5 | 11,920.7 | 11,894.4 | 14.6 | 42.6 | -90.33 | 382.7 | -408.4 | 985.0 | 931.3 | 53.71 | 18.340 | |
| 11,950.0 | 11,914.4 | 11,945.6 | 11,919.3 | 14.6 | 42.7 | 90.24 | 382.7 | -408.4 | 985.0 | 931.2 | 53.79 | 18.311 | |
| 11,975.0 | 11,939.3 | 11,970.5 | 11,944.2 | 14.6 | 42.8 | 90.35 | 382.7 | -408.4 | 985.0 | 931.1 | 53.88 | 18.283 | |
| 12,000.0 | 11,964.1 | 11,995.3 | 11,969.0 | 14.6 | 42.8 | 90.54 | 382.7 | -408.4 | 985.0 | 931.1 | 53.95 | 18.258 | |
| 12,025.0 | 11,988.7 | 12,019.9 | 11,993.6 | 14.6 | 42.9 | 90.79 | 382.7 | -408.4 | 985.1 | 931.1 | 54.02 | 18.234 | |
| 12,050.0 | 12,013.0 | 12,044.2 | 12,017.9 | 14.7 | 43.0 | 91.11 | 382.7 | -408.4 | 985.2 | 931.1 | 54.09 | 18.214 | |
| 12,075.0 | 12,036.9 | 12,068.2 | 12,041.8 | 14.7 | 43.1 | 91.48 | 382.7 | -408.4 | 985.4 | 931.2 | 54.15 | 18.196 | |
| 12,100.0 | 12,060.5 | 12,091.7 | 12,065.4 | 14.7 | 43.2 | 91.91 | 382.7 | -408.4 | 985.6 | 931.4 | 54.21 | 18.182 | |
| 12,125.0 | 12,083.6 | 12,114.8 | 12,088.5 | 14.7 | 43.3 | 92.37 | 382.7 | -408.4 | 986.0 | 931.7 | 54.26 | 18.172 | |
| 12,150.0 | 12,106.2 | 12,137.4 | 12,111.1 | 14.7 | 43.3 | 92.87 | 382.7 | -408.4 | 986.5 | 932.2 | 54.31 | 18.166 | |
| 12,175.0 | 12,128.1 | 12,159.3 | 12,133.0 | 14.7 | 43.4 | 93.39 | 382.7 | -408.4 | 987.3 | 932.9 | 54.35 | 18.166 | |
| 12,200.0 | 12,149.5 | 12,180.7 | 12,154.4 | 14.7 | 43.5 | 93.92 | 382.7 | -408.4 | 988.3 | 933.9 | 54.39 | 18.170 | |
| 12,225.0 | 12,170.1 | 12,201.3 | 12,175.0 | 14.7 | 43.6 | 94.44 | 382.7 | -408.4 | 989.5 | 935.1 | 54.43 | 18.181 | |
| 12,250.0 | 12,189.9 | 12,221.1 | 12,194.8 | 14.8 | 43.6 | 94.95 | 382.7 | -408.4 | 991.1 | 936.6 | 54.46 | 18.199 | |
| 12,275.0 | 12,208.9 | 12,240.1 | 12,213.8 | 14.8 | 43.7 | 95.43 | 382.7 | -408.4 | 993.0 | 938.5 | 54.49 | 18.223 | |
| 12,300.0 | 12,227.0 | 12,258.3 | 12,231.9 | 14.8 | 43.8 | 95.87 | 382.7 | -408.4 | 995.3 | 940.8 | 54.52 | 18.255 | |
| 12,325.0 | 12,244.3 | 12,275.5 | 12,249.2 | 14.8 | 43.8 | 96.26 | 382.7 | -408.4 | 998.1 | 943.6 | 54.56 | 18.296 | |

# ConocoPhillips
## Anticollision Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | PWP1 | **Offset TVD Reference:** | Offset Datum |

Reference Depths are relative to KB=26' @ 3307.5usft (MCVAY 8)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: GREEN BERET FED COM #801H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°



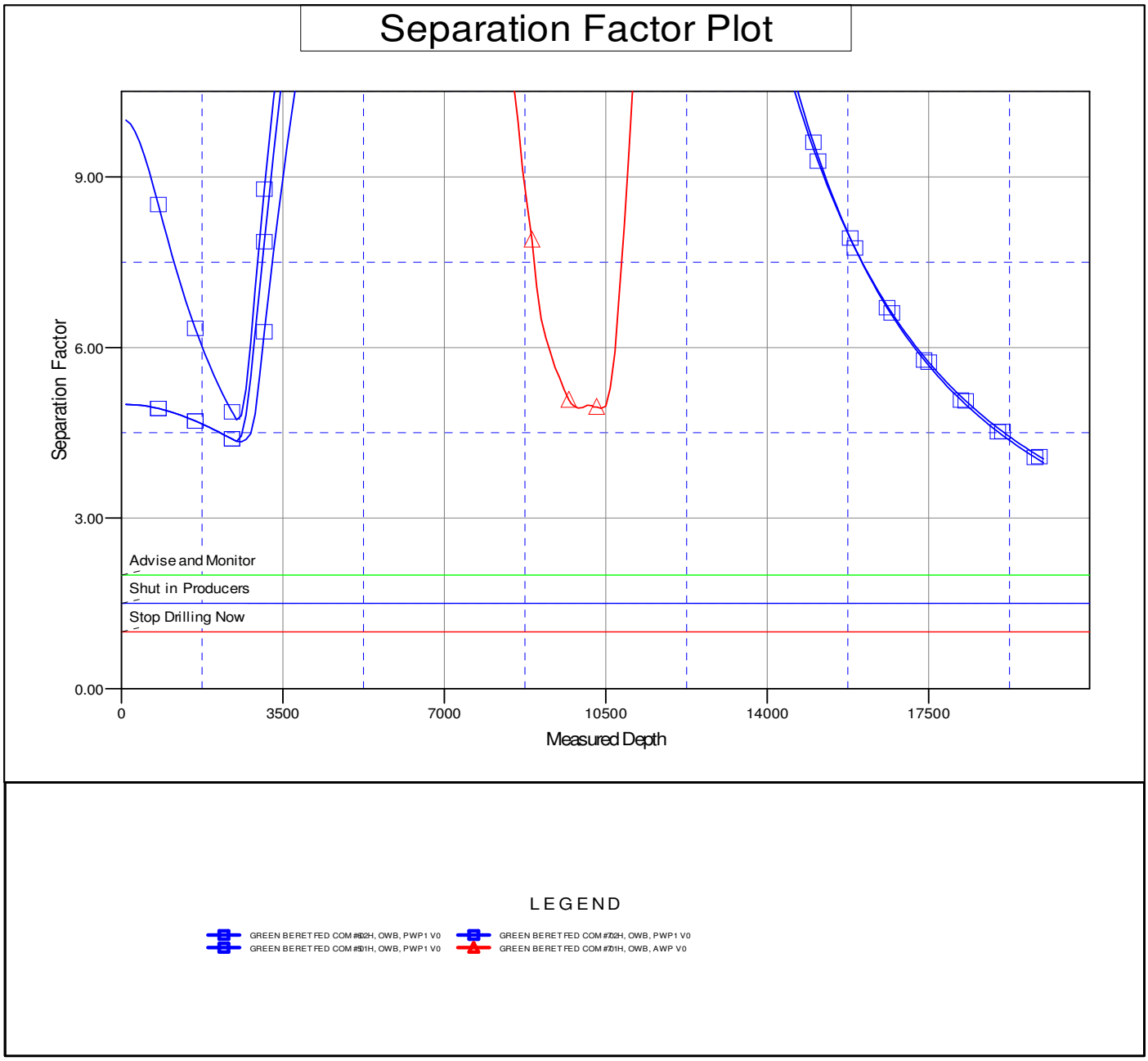

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

# ConocoPhillips
## Anticollision Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Reference Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site Error:** | 3.0 usft | **North Reference:** | Grid |
| **Reference Well:** | GREEN BERET FED COM #801H | **Survey Calculation Method:** | Minimum Curvature |
| **Well Error:** | 3.0 usft | **Output errors are at** | 2.00 sigma |
| **Reference Wellbore** | OWB | **Database:** | EDT 15 Central Prod |
| **Reference Design:** | PWP1 | **Offset TVD Reference:** | Offset Datum |

Reference Depths are relative to KB=26' @ 3307.5usft (MCVAY 8)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: GREEN BERET FED COM #801H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°




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

# DELAWARE BASIN EAST

**BULLDOG PROSPECT (NM-E)**
**GREEN BERET FEDERAL PROJECT (BULLDOG 2535)**
**GREEN BERET FED COM #801H**

**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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Well:** | GREEN BERET FED COM #801H | **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 #801H | | | | |
|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.0 usft | **Northing:** | 409,293.90 usft | **Latitude:** | 32° 7' 18.229 N |
| | **+E/-W** | 0.0 usft | **Easting:** | 792,906.20 usft | **Longitude:** | 103° 23' 14.011 W |
| **Position Uncertainty** | | 3.0 usft | **Wellhead Elevation:** | usft | **Ground Level:** | 3,281.5 usft |

**Wellbore** OWB

| **Magnetics** | **Model Name** | **Sample Date** | **Declination (°)** | **Dip Angle (°)** | **Field Strength (nT)** |
|---|---|---|---|---|---|
| | BGGM2021 | 10/25/2021 | 6.32 | 59.73 | 47,555.91201243 |

**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 | 174.99 |

**Survey Tool Program** **Date** 10/25/2021

| **From (usft)** | **To (usft)** | **Survey (Wellbore)** | **Tool Name** | **Description** |
|---|---|---|---|---|
| 0.0 | 11,925.0 | PWP1 (OWB) | Standard Keeper 104 | Standard Wireline Keeper ver 1.0.4 |
| 11,925.0 | 19,988.6 | 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 #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Well:** | GREEN BERET FED COM #801H | **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 | 56.04 | 2,600.0 | 1.0 | 1.4 | -0.8 | 2.00 | 2.00 | 0.00 |
| 2,700.0 | 4.00 | 56.04 | 2,699.8 | 3.9 | 5.8 | -3.4 | 2.00 | 2.00 | 0.00 |
| 2,800.0 | 6.00 | 56.04 | 2,799.5 | 8.8 | 13.0 | -7.6 | 2.00 | 2.00 | 0.00 |
| **Start 6200.0 hold at 2800.0 MD** | | | | | | | | | |
| 2,900.0 | 6.00 | 56.04 | 2,898.9 | 14.6 | 21.7 | -12.7 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 6.00 | 56.04 | 2,998.4 | 20.4 | 30.4 | -17.7 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 6.00 | 56.04 | 3,097.8 | 26.3 | 39.0 | -22.8 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 6.00 | 56.04 | 3,197.3 | 32.1 | 47.7 | -27.8 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 6.00 | 56.04 | 3,296.7 | 38.0 | 56.4 | -32.9 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 6.00 | 56.04 | 3,396.2 | 43.8 | 65.0 | -38.0 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 6.00 | 56.04 | 3,495.6 | 49.6 | 73.7 | -43.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 6.00 | 56.04 | 3,595.1 | 55.5 | 82.4 | -48.1 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 6.00 | 56.04 | 3,694.5 | 61.3 | 91.0 | -53.1 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 6.00 | 56.04 | 3,794.0 | 67.2 | 99.7 | -58.2 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 6.00 | 56.04 | 3,893.4 | 73.0 | 108.4 | -63.3 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 6.00 | 56.04 | 3,992.9 | 78.8 | 117.1 | -68.3 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 6.00 | 56.04 | 4,092.3 | 84.7 | 125.7 | -73.4 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 6.00 | 56.04 | 4,191.8 | 90.5 | 134.4 | -78.4 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 6.00 | 56.04 | 4,291.2 | 96.3 | 143.1 | -83.5 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 6.00 | 56.04 | 4,390.7 | 102.2 | 151.7 | -88.6 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 6.00 | 56.04 | 4,490.1 | 108.0 | 160.4 | -93.6 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 6.00 | 56.04 | 4,589.6 | 113.9 | 169.1 | -98.7 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 6.00 | 56.04 | 4,689.0 | 119.7 | 177.7 | -103.7 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 6.00 | 56.04 | 4,788.5 | 125.5 | 186.4 | -108.8 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 6.00 | 56.04 | 4,887.9 | 131.4 | 195.1 | -113.9 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 6.00 | 56.04 | 4,987.4 | 137.2 | 203.8 | -118.9 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 6.00 | 56.04 | 5,086.9 | 143.1 | 212.4 | -124.0 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 6.00 | 56.04 | 5,186.3 | 148.9 | 221.1 | -129.0 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 6.00 | 56.04 | 5,285.8 | 154.7 | 229.8 | -134.1 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 6.00 | 56.04 | 5,385.2 | 160.6 | 238.4 | -139.2 | 0.00 | 0.00 | 0.00 |

# ConocoPhillips

## Survey Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Well:** | GREEN BERET FED COM #801H | **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) |
|---|---|---|---|---|---|---|---|---|---|
| 5,500.0 | 6.00 | 56.04 | 5,484.7 | 166.4 | 247.1 | -144.2 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 6.00 | 56.04 | 5,584.1 | 172.3 | 255.8 | -149.3 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 6.00 | 56.04 | 5,683.6 | 178.1 | 264.5 | -154.3 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 6.00 | 56.04 | 5,783.0 | 183.9 | 273.1 | -159.4 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 6.00 | 56.04 | 5,882.5 | 189.8 | 281.8 | -164.5 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 6.00 | 56.04 | 5,981.9 | 195.6 | 290.5 | -169.5 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 6.00 | 56.04 | 6,081.4 | 201.4 | 299.1 | -174.6 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 6.00 | 56.04 | 6,180.8 | 207.3 | 307.8 | -179.6 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 6.00 | 56.04 | 6,280.3 | 213.1 | 316.5 | -184.7 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 6.00 | 56.04 | 6,379.7 | 219.0 | 325.1 | -189.8 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 6.00 | 56.04 | 6,479.2 | 224.8 | 333.8 | -194.8 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 6.00 | 56.04 | 6,578.6 | 230.6 | 342.5 | -199.9 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 6.00 | 56.04 | 6,678.1 | 236.5 | 351.2 | -204.9 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 6.00 | 56.04 | 6,777.5 | 242.3 | 359.8 | -210.0 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 6.00 | 56.04 | 6,877.0 | 248.2 | 368.5 | -215.1 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 6.00 | 56.04 | 6,976.4 | 254.0 | 377.2 | -220.1 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 6.00 | 56.04 | 7,075.9 | 259.8 | 385.8 | -225.2 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 6.00 | 56.04 | 7,175.3 | 265.7 | 394.5 | -230.2 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 6.00 | 56.04 | 7,274.8 | 271.5 | 403.2 | -235.3 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 6.00 | 56.04 | 7,374.3 | 277.3 | 411.8 | -240.4 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 6.00 | 56.04 | 7,473.7 | 283.2 | 420.5 | -245.4 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 6.00 | 56.04 | 7,573.2 | 289.0 | 429.2 | -250.5 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 6.00 | 56.04 | 7,672.6 | 294.9 | 437.9 | -255.5 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 6.00 | 56.04 | 7,772.1 | 300.7 | 446.5 | -260.6 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 6.00 | 56.04 | 7,871.5 | 306.5 | 455.2 | -265.7 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 6.00 | 56.04 | 7,971.0 | 312.4 | 463.9 | -270.7 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 6.00 | 56.04 | 8,070.4 | 318.2 | 472.5 | -275.8 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 6.00 | 56.04 | 8,169.9 | 324.1 | 481.2 | -280.8 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 6.00 | 56.04 | 8,269.3 | 329.9 | 489.9 | -285.9 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 6.00 | 56.04 | 8,368.8 | 335.7 | 498.5 | -291.0 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 6.00 | 56.04 | 8,468.2 | 341.6 | 507.2 | -296.0 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 6.00 | 56.04 | 8,567.7 | 347.4 | 515.9 | -301.1 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 6.00 | 56.04 | 8,667.1 | 353.3 | 524.6 | -306.1 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 6.00 | 56.04 | 8,766.6 | 359.1 | 533.2 | -311.2 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 6.00 | 56.04 | 8,866.0 | 364.9 | 541.9 | -316.3 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 6.00 | 56.04 | 8,965.5 | 370.8 | 550.6 | -321.3 | 0.00 | 0.00 | 0.00 |
| **Start Drop -1.00** | | | | | | | | | |
| 9,100.0 | 5.00 | 56.04 | 9,065.0 | 376.1 | 558.5 | -326.0 | 1.00 | -1.00 | 0.00 |
| 9,200.0 | 4.00 | 56.04 | 9,164.7 | 380.5 | 565.0 | -329.7 | 1.00 | -1.00 | 0.00 |
| 9,300.0 | 3.00 | 56.04 | 9,264.5 | 383.9 | 570.1 | -332.7 | 1.00 | -1.00 | 0.00 |
| 9,400.0 | 2.00 | 56.04 | 9,364.4 | 386.4 | 573.7 | -334.8 | 1.00 | -1.00 | 0.00 |
| 9,500.0 | 1.00 | 56.04 | 9,464.4 | 387.8 | 575.9 | -336.1 | 1.00 | -1.00 | 0.00 |

# ConocoPhillips

## Survey Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Well:** | GREEN BERET FED COM #801H | **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) |
|---|---|---|---|---|---|---|---|---|---|
| 9,600.0 | 0.00 | 0.00 | 9,564.4 | 388.3 | 576.6 | -336.5 | 1.00 | -1.00 | -56.06 |
| **Start 2325.1 hold at 9600.0 MD** | | | | | | | | | |
| 9,700.0 | 0.00 | 0.00 | 9,664.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 0.00 | 0.00 | 9,764.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 0.00 | 0.00 | 9,864.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 0.00 | 0.00 | 9,964.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 0.00 | 0.00 | 10,064.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 0.00 | 0.00 | 10,164.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 0.00 | 0.00 | 10,264.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 0.00 | 0.00 | 10,364.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 0.00 | 0.00 | 10,464.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 0.00 | 0.00 | 10,564.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 0.00 | 0.00 | 10,664.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 0.00 | 0.00 | 10,764.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 0.00 | 0.00 | 10,864.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 0.00 | 0.00 | 10,964.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 0.00 | 0.00 | 11,064.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 0.00 | 0.00 | 11,164.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 0.00 | 0.00 | 11,264.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 0.00 | 0.00 | 11,364.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 0.00 | 0.00 | 11,464.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 0.00 | 0.00 | 11,564.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 0.00 | 0.00 | 11,664.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 0.00 | 0.00 | 11,764.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 0.00 | 0.00 | 11,864.4 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| 11,925.1 | 0.00 | 0.00 | 11,889.5 | 388.3 | 576.6 | -336.5 | 0.00 | 0.00 | 0.00 |
| **Start DLS 12.00 TFO 179.47** | | | | | | | | | |
| 12,000.0 | 8.99 | 179.47 | 11,964.1 | 382.4 | 576.6 | -330.7 | 12.00 | 12.00 | 0.00 |
| 12,100.0 | 20.99 | 179.47 | 12,060.5 | 356.6 | 576.9 | -304.9 | 12.00 | 12.00 | 0.00 |
| 12,200.0 | 32.99 | 179.47 | 12,149.5 | 311.3 | 577.3 | -259.8 | 12.00 | 12.00 | 0.00 |
| 12,300.0 | 44.99 | 179.47 | 12,227.0 | 248.5 | 577.9 | -197.2 | 12.00 | 12.00 | 0.00 |
| 12,400.0 | 56.99 | 179.47 | 12,289.9 | 171.0 | 578.6 | -119.8 | 12.00 | 12.00 | 0.00 |
| 12,500.0 | 68.99 | 179.47 | 12,335.2 | 82.1 | 579.4 | -31.2 | 12.00 | 12.00 | 0.00 |
| 12,600.0 | 80.99 | 179.47 | 12,361.1 | -14.3 | 580.3 | 64.9 | 12.00 | 12.00 | 0.00 |
| 12,672.5 | 89.69 | 179.47 | 12,367.0 | -86.5 | 581.0 | 136.9 | 12.00 | 12.00 | 0.00 |
| **Start 7316.1 hold at 12672.5 MD** | | | | | | | | | |
| 12,700.0 | 89.69 | 179.47 | 12,367.1 | -114.0 | 581.2 | 164.3 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 89.69 | 179.47 | 12,367.7 | -214.0 | 582.1 | 264.0 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 89.69 | 179.47 | 12,368.2 | -314.0 | 583.1 | 363.7 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 89.69 | 179.47 | 12,368.7 | -414.0 | 584.0 | 463.4 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 89.69 | 179.47 | 12,369.3 | -514.0 | 584.9 | 563.1 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | 89.69 | 179.47 | 12,369.8 | -614.0 | 585.8 | 662.8 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 89.69 | 179.47 | 12,370.4 | -714.0 | 586.8 | 762.5 | 0.00 | 0.00 | 0.00 |

# ConocoPhillips

## Survey Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Well:** | GREEN BERET FED COM #801H | **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) |
|---|---|---|---|---|---|---|---|---|---|
| 13,400.0 | 89.69 | 179.47 | 12,370.9 | -814.0 | 587.7 | 862.2 | 0.00 | 0.00 | 0.00 |
| 13,500.0 | 89.69 | 179.47 | 12,371.5 | -914.0 | 588.6 | 961.9 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 89.69 | 179.47 | 12,372.0 | -1,014.0 | 589.5 | 1,061.6 | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 89.69 | 179.47 | 12,372.6 | -1,114.0 | 590.4 | 1,161.3 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 89.69 | 179.47 | 12,373.1 | -1,214.0 | 591.4 | 1,260.9 | 0.00 | 0.00 | 0.00 |
| 13,900.0 | 89.69 | 179.47 | 12,373.7 | -1,314.0 | 592.3 | 1,360.6 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 89.69 | 179.47 | 12,374.2 | -1,414.0 | 593.2 | 1,460.3 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 89.69 | 179.47 | 12,374.8 | -1,514.0 | 594.1 | 1,560.0 | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 89.69 | 179.47 | 12,375.3 | -1,613.9 | 595.1 | 1,659.7 | 0.00 | 0.00 | 0.00 |
| 14,300.0 | 89.69 | 179.47 | 12,375.9 | -1,713.9 | 596.0 | 1,759.4 | 0.00 | 0.00 | 0.00 |
| 14,400.0 | 89.69 | 179.47 | 12,376.4 | -1,813.9 | 596.9 | 1,859.1 | 0.00 | 0.00 | 0.00 |
| 14,500.0 | 89.69 | 179.47 | 12,377.0 | -1,913.9 | 597.8 | 1,958.8 | 0.00 | 0.00 | 0.00 |
| 14,600.0 | 89.69 | 179.47 | 12,377.5 | -2,013.9 | 598.7 | 2,058.5 | 0.00 | 0.00 | 0.00 |
| 14,700.0 | 89.69 | 179.47 | 12,378.1 | -2,113.9 | 599.7 | 2,158.2 | 0.00 | 0.00 | 0.00 |
| 14,800.0 | 89.69 | 179.47 | 12,378.6 | -2,213.9 | 600.6 | 2,257.9 | 0.00 | 0.00 | 0.00 |
| 14,900.0 | 89.69 | 179.47 | 12,379.1 | -2,313.9 | 601.5 | 2,357.6 | 0.00 | 0.00 | 0.00 |
| 15,000.0 | 89.69 | 179.47 | 12,379.7 | -2,413.9 | 602.4 | 2,457.3 | 0.00 | 0.00 | 0.00 |
| 15,100.0 | 89.69 | 179.47 | 12,380.2 | -2,513.9 | 603.3 | 2,557.0 | 0.00 | 0.00 | 0.00 |
| 15,200.0 | 89.69 | 179.47 | 12,380.8 | -2,613.9 | 604.3 | 2,656.6 | 0.00 | 0.00 | 0.00 |
| 15,300.0 | 89.69 | 179.47 | 12,381.3 | -2,713.9 | 605.2 | 2,756.3 | 0.00 | 0.00 | 0.00 |
| 15,400.0 | 89.69 | 179.47 | 12,381.9 | -2,813.9 | 606.1 | 2,856.0 | 0.00 | 0.00 | 0.00 |
| 15,500.0 | 89.69 | 179.47 | 12,382.4 | -2,913.9 | 607.0 | 2,955.7 | 0.00 | 0.00 | 0.00 |
| 15,600.0 | 89.69 | 179.47 | 12,383.0 | -3,013.9 | 608.0 | 3,055.4 | 0.00 | 0.00 | 0.00 |
| 15,700.0 | 89.69 | 179.47 | 12,383.5 | -3,113.9 | 608.9 | 3,155.1 | 0.00 | 0.00 | 0.00 |
| 15,800.0 | 89.69 | 179.47 | 12,384.1 | -3,213.9 | 609.8 | 3,254.8 | 0.00 | 0.00 | 0.00 |
| 15,900.0 | 89.69 | 179.47 | 12,384.6 | -3,313.9 | 610.7 | 3,354.5 | 0.00 | 0.00 | 0.00 |
| 16,000.0 | 89.69 | 179.47 | 12,385.2 | -3,413.8 | 611.6 | 3,454.2 | 0.00 | 0.00 | 0.00 |
| 16,100.0 | 89.69 | 179.47 | 12,385.7 | -3,513.8 | 612.6 | 3,553.9 | 0.00 | 0.00 | 0.00 |
| 16,200.0 | 89.69 | 179.47 | 12,386.3 | -3,613.8 | 613.5 | 3,653.6 | 0.00 | 0.00 | 0.00 |
| 16,300.0 | 89.69 | 179.47 | 12,386.8 | -3,713.8 | 614.4 | 3,753.3 | 0.00 | 0.00 | 0.00 |
| 16,400.0 | 89.69 | 179.47 | 12,387.4 | -3,813.8 | 615.3 | 3,853.0 | 0.00 | 0.00 | 0.00 |
| 16,500.0 | 89.69 | 179.47 | 12,387.9 | -3,913.8 | 616.2 | 3,952.7 | 0.00 | 0.00 | 0.00 |
| 16,600.0 | 89.69 | 179.47 | 12,388.5 | -4,013.8 | 617.2 | 4,052.4 | 0.00 | 0.00 | 0.00 |
| 16,700.0 | 89.69 | 179.47 | 12,389.0 | -4,113.8 | 618.1 | 4,152.0 | 0.00 | 0.00 | 0.00 |
| 16,800.0 | 89.69 | 179.47 | 12,389.5 | -4,213.8 | 619.0 | 4,251.7 | 0.00 | 0.00 | 0.00 |
| 16,900.0 | 89.69 | 179.47 | 12,390.1 | -4,313.8 | 619.9 | 4,351.4 | 0.00 | 0.00 | 0.00 |
| 17,000.0 | 89.69 | 179.47 | 12,390.6 | -4,413.8 | 620.9 | 4,451.1 | 0.00 | 0.00 | 0.00 |
| 17,100.0 | 89.69 | 179.47 | 12,391.2 | -4,513.8 | 621.8 | 4,550.8 | 0.00 | 0.00 | 0.00 |
| 17,200.0 | 89.69 | 179.47 | 12,391.7 | -4,613.8 | 622.7 | 4,650.5 | 0.00 | 0.00 | 0.00 |
| 17,300.0 | 89.69 | 179.47 | 12,392.3 | -4,713.8 | 623.6 | 4,750.2 | 0.00 | 0.00 | 0.00 |
| 17,400.0 | 89.69 | 179.47 | 12,392.8 | -4,813.8 | 624.5 | 4,849.9 | 0.00 | 0.00 | 0.00 |
| 17,500.0 | 89.69 | 179.47 | 12,393.4 | -4,913.8 | 625.5 | 4,949.6 | 0.00 | 0.00 | 0.00 |
| 17,600.0 | 89.69 | 179.47 | 12,393.9 | -5,013.8 | 626.4 | 5,049.3 | 0.00 | 0.00 | 0.00 |

# ConocoPhillips

## Survey Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Well:** | GREEN BERET FED COM #801H | **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) |
|---|---|---|---|---|---|---|---|---|---|
| 17,700.0 | 89.69 | 179.47 | 12,394.5 | -5,113.7 | 627.3 | 5,149.0 | 0.00 | 0.00 | 0.00 |
| 17,800.0 | 89.69 | 179.47 | 12,395.0 | -5,213.7 | 628.2 | 5,248.7 | 0.00 | 0.00 | 0.00 |
| 17,900.0 | 89.69 | 179.47 | 12,395.6 | -5,313.7 | 629.2 | 5,348.4 | 0.00 | 0.00 | 0.00 |
| 18,000.0 | 89.69 | 179.47 | 12,396.1 | -5,413.7 | 630.1 | 5,448.1 | 0.00 | 0.00 | 0.00 |
| 18,100.0 | 89.69 | 179.47 | 12,396.7 | -5,513.7 | 631.0 | 5,547.8 | 0.00 | 0.00 | 0.00 |
| 18,200.0 | 89.69 | 179.47 | 12,397.2 | -5,613.7 | 631.9 | 5,647.4 | 0.00 | 0.00 | 0.00 |
| 18,300.0 | 89.69 | 179.47 | 12,397.8 | -5,713.7 | 632.8 | 5,747.1 | 0.00 | 0.00 | 0.00 |
| 18,400.0 | 89.69 | 179.47 | 12,398.3 | -5,813.7 | 633.8 | 5,846.8 | 0.00 | 0.00 | 0.00 |
| 18,500.0 | 89.69 | 179.47 | 12,398.9 | -5,913.7 | 634.7 | 5,946.5 | 0.00 | 0.00 | 0.00 |
| 18,600.0 | 89.69 | 179.47 | 12,399.4 | -6,013.7 | 635.6 | 6,046.2 | 0.00 | 0.00 | 0.00 |
| 18,700.0 | 89.69 | 179.47 | 12,399.9 | -6,113.7 | 636.5 | 6,145.9 | 0.00 | 0.00 | 0.00 |
| 18,800.0 | 89.69 | 179.47 | 12,400.5 | -6,213.7 | 637.4 | 6,245.6 | 0.00 | 0.00 | 0.00 |
| 18,900.0 | 89.69 | 179.47 | 12,401.0 | -6,313.7 | 638.4 | 6,345.3 | 0.00 | 0.00 | 0.00 |
| 19,000.0 | 89.69 | 179.47 | 12,401.6 | -6,413.7 | 639.3 | 6,445.0 | 0.00 | 0.00 | 0.00 |
| 19,100.0 | 89.69 | 179.47 | 12,402.1 | -6,513.7 | 640.2 | 6,544.7 | 0.00 | 0.00 | 0.00 |
| 19,200.0 | 89.69 | 179.47 | 12,402.7 | -6,613.7 | 641.1 | 6,644.4 | 0.00 | 0.00 | 0.00 |
| 19,300.0 | 89.69 | 179.47 | 12,403.2 | -6,713.7 | 642.1 | 6,744.1 | 0.00 | 0.00 | 0.00 |
| 19,400.0 | 89.69 | 179.47 | 12,403.8 | -6,813.6 | 643.0 | 6,843.8 | 0.00 | 0.00 | 0.00 |
| 19,500.0 | 89.69 | 179.47 | 12,404.3 | -6,913.6 | 643.9 | 6,943.5 | 0.00 | 0.00 | 0.00 |
| 19,600.0 | 89.69 | 179.47 | 12,404.9 | -7,013.6 | 644.8 | 7,043.2 | 0.00 | 0.00 | 0.00 |
| 19,700.0 | 89.69 | 179.47 | 12,405.4 | -7,113.6 | 645.7 | 7,142.8 | 0.00 | 0.00 | 0.00 |
| 19,800.0 | 89.69 | 179.47 | 12,406.0 | -7,213.6 | 646.7 | 7,242.5 | 0.00 | 0.00 | 0.00 |
| 19,900.0 | 89.69 | 179.47 | 12,406.5 | -7,313.6 | 647.6 | 7,342.2 | 0.00 | 0.00 | 0.00 |
| 19,988.6 | 89.69 | 179.47 | 12,407.0 | -7,402.2 | 648.4 | 7,430.5 | 0.00 | 0.00 | 0.00 |
| **TD at 19988.6** | | | | | | | | | |

**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 | 0.00 | 0.00 | 12,367.0 | 368.3 | 576.6 | 409,662.24 | 793,482.79 | 32° 7' 21.824 N | 103° 23' 7.269 W |
| - plan misses target center by 184.2usft at 12300.0usft MD (12227.0 TVD, 248.5 N, 577.9 E) | | | | | | | | | |
| - Circle (radius 50.0) | | | | | | | | | |
| LTP (GREEN BERET | 0.00 | 0.00 | 12,407.0 | -7,353.2 | 647.9 | 401,940.68 | 793,554.13 | 32° 6' 5.411 N | 103° 23' 7.229 W |
| - plan misses target center by 39.6usft at 19900.0usft MD (12406.5 TVD, -7313.6 N, 647.6 E) | | | | | | | | | |
| - Point | | | | | | | | | |
| PBHL (GREEN BERE | -0.31 | 359.47 | 12,407.0 | -7,402.2 | 648.4 | 401,891.70 | 793,554.60 | 32° 6' 4.926 N | 103° 23' 7.229 W |
| - plan hits target center | | | | | | | | | |
| - Rectangle (sides W100.0 H7,771.3 D20.0) | | | | | | | | | |

# ConocoPhillips

## Survey Report

| | | | |
|---|---|---|---|
| **Company:** | DELAWARE BASIN EAST | **Local Co-ordinate Reference:** | Well GREEN BERET FED COM #801H |
| **Project:** | BULLDOG PROSPECT (NM-E) | **TVD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Site:** | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) | **MD Reference:** | KB=26' @ 3307.5usft (MCVAY 8) |
| **Well:** | GREEN BERET FED COM #801H | **North Reference:** | Grid |
| **Wellbore:** | OWB | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | PWP1 | **Database:** | EDT 15 Central Prod |

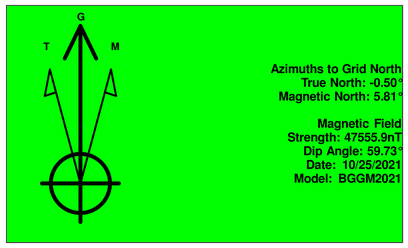
**Plan Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 2500 | 2500 | 0 | 0 | Start Build 2.00 |
| 2800 | 2799 | 9 | 13 | Start 6200.0 hold at 2800.0 MD |
| 9000 | 8965 | 371 | 551 | Start Drop -1.00 |
| 9600 | 9564 | 388 | 577 | Start 2325.1 hold at 9600.0 MD |
| 11,925 | 11,890 | 388 | 577 | Start DLS 12.00 TFO 179.47 |
| 12,672 | 12,367 | -87 | 581 | Start 7316.1 hold at 12672.5 MD |
| 19,989 | 12,407 | -7402 | 648 | TD at 19988.6 |

Checked By: _____ Approved By: _____ Date: _____

ConocoPhillips

| | |
|---|---|
| Project: | BULLDOG PROSPECT (NM-E) |
| Site: | GREEN BERET FEDERAL PROJECT (BULLDOG 2535) |
| Well: | GREEN BERET FED COM #801H |
| Wellbore: | OWB |
| Design: | PWP1 |
| GL: | 3281.5 |
| KB=26' @ 3307.5usft (MCVAY 8) | |




Azimuths to Grid North
True North: -0.50°
Magnetic North: 5.81°

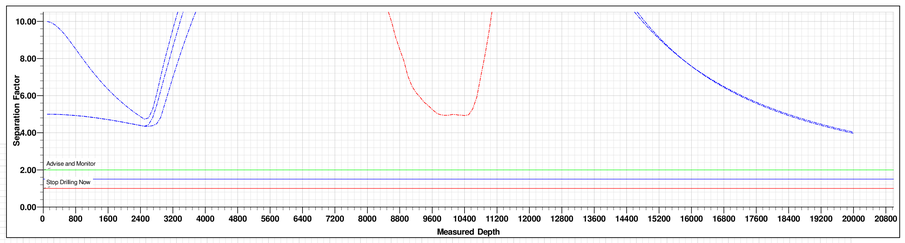
Magnetic Field
Strength: 47555.9nT
Dip Angle: 59.73°
Date: 10/25/2021
Model: BGGM2021

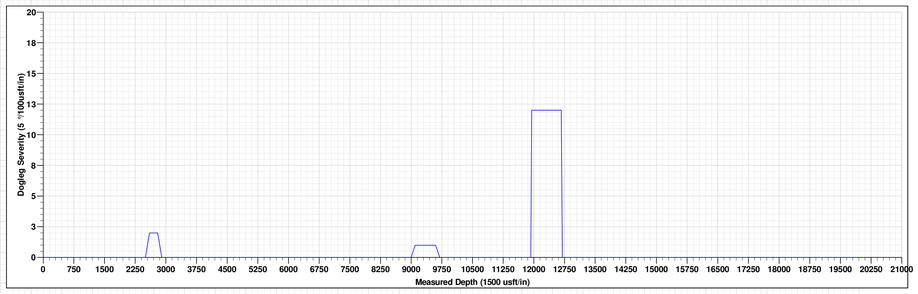
**WELL DETAILS: GREEN BERET FED COM #801H**

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---|---|---|---|---|---|
| 0.0 | 0.0 | 409293.90 | 792906.20 | 32° 7' 18.229 N | 103° 23' 14.011 W |

**DESIGN TARGET DETAILS**

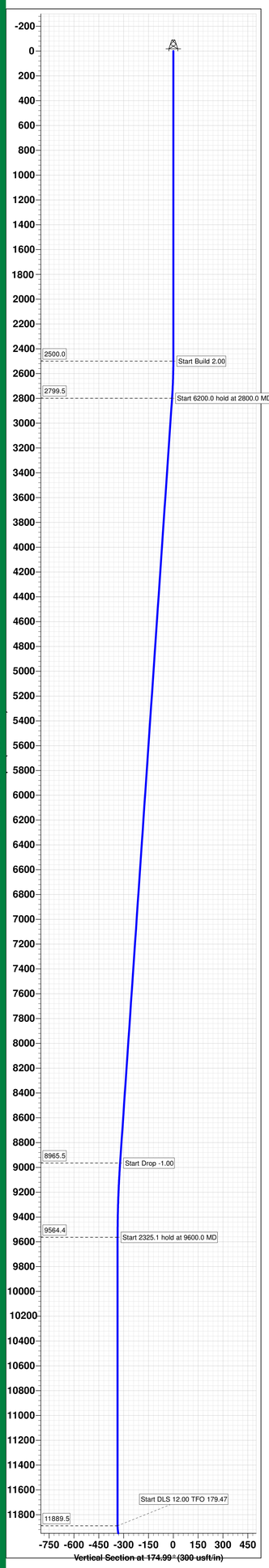
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---|---|---|---|---|---|---|---|
| FTP (GREEN BERET FED COM #801H | 12367.0 | 368.3 | 576.6 | 409662.24 | 793482.80 | 32° 7' 21.824 N | 103° 23' 7.269 W |
| LTP (GREEN BERET FED COM #801H | 12407.0 | -7353.2 | 647.9 | 401940.68 | 793554.13 | 32° 6' 5.411 N | 103° 23' 7.229 W |
| PBHL (GREEN BERET FED COM #801H | 12407.0 | -7402.2 | 648.4 | 401891.70 | 793554.60 | 32° 6' 4.926 N | 103° 23' 7.229 W |



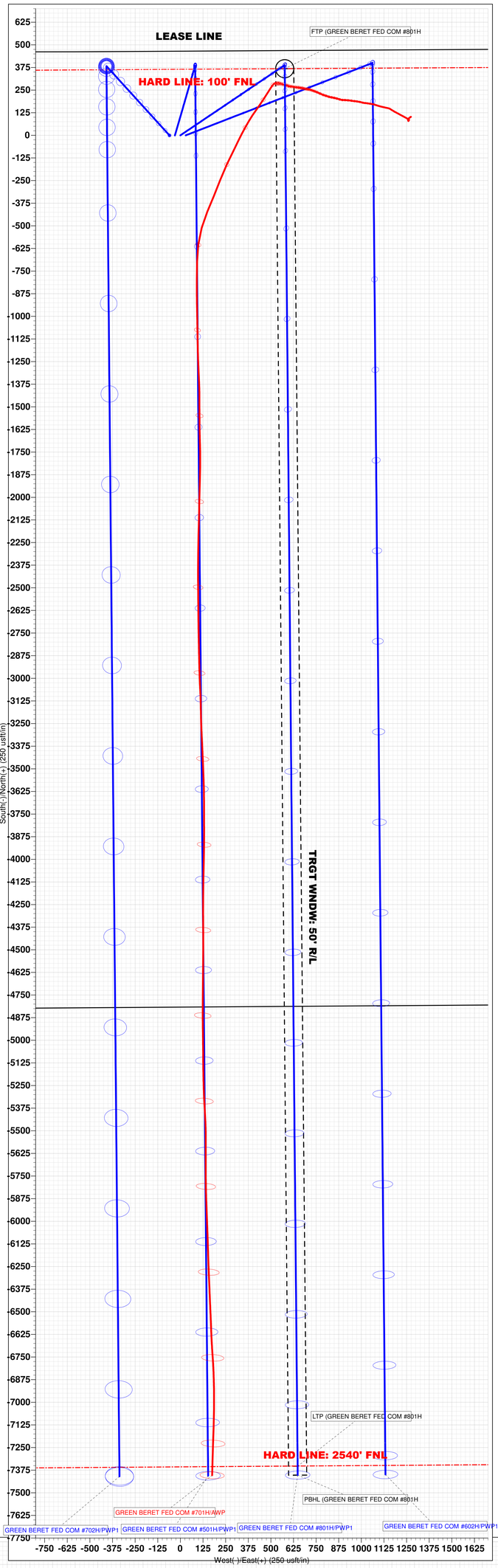

**GREEN BERET FED COM #801H**

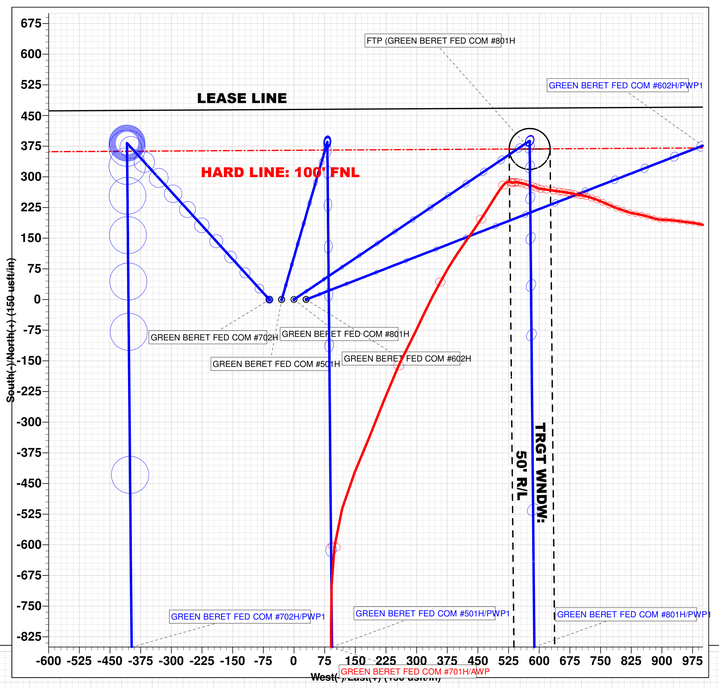
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Annotation |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2500.0 | 0.00 | 0.00 | 2500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Start Build 2.00 |
| 2800.0 | 6.00 | 56.04 | 2799.5 | 8.8 | 13.0 | 2.00 | 56.04 | -7.6 | Start 6200.0 hold at 2800.0 MD |
| 9000.0 | 6.00 | 56.04 | 8965.5 | 370.8 | 550.6 | 0.00 | 0.00 | -321.3 | Start Drop -1.00 |
| 9600.0 | 0.00 | 0.00 | 9564.4 | 388.3 | 576.6 | 1.00 | 180.00 | -336.5 | Start 2325.1 hold at 9600.0 MD |
| 11925.1 | 0.00 | 0.00 | 11889.5 | 388.3 | 576.6 | 0.00 | 0.00 | -336.5 | Start DLS 12.00 TFO 179.47 |
| 12672.5 | 89.69 | 179.47 | 12367.0 | -86.5 | 581.0 | 12.00 | 179.47 | 136.9 | Start 7316.1 hold at 12672.5 MD |
| 19988.6 | 89.69 | 179.47 | 12407.0 | -7402.2 | 648.4 | 0.00 | 0.00 | 7430.5 | TD at 19988.6 |

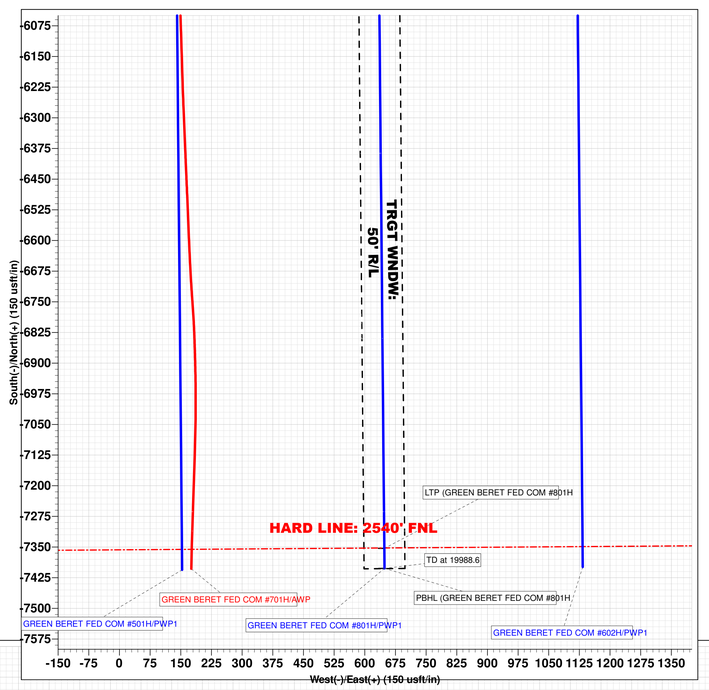


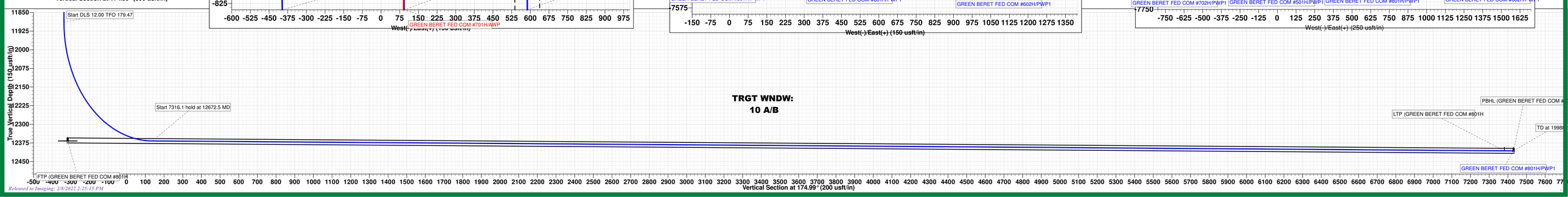






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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

CONDITIONS

Action 78878

## CONDITIONS

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>78878 |
| | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**CONDITIONS**

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