

|                                    |                                                                    |                                  |
|------------------------------------|--------------------------------------------------------------------|----------------------------------|
| Well Name: DEERSTALKER FEDERAL COM | Well Location: T25S / R35E / SEC 8 / SWSE / 32.13952 / -103.385965 | County or Parish/State: LEA / NM |
| Well Number: 701H                  | Type of Well: OIL WELL                                             | Allottee or Tribe Name:          |
| Lease Number: NMNM125658           | Unit or CA Name:                                                   | Unit or CA Number:               |
| US Well Number: 3002550409         | Well Status: Drilling Well                                         | Operator: COG OPERATING LLC      |

Notice of Intent

Sundry ID: 2714007

|                                                |                              |
|------------------------------------------------|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: APD Change   |
| Date Sundry Submitted: 02/03/2023              | Time Sundry Submitted: 10:03 |
| Date proposed operation will begin: 02/03/2023 |                              |

**Procedure Description:** COG Operating LLC respectfully requests approval for the following changes to the original approved APD. BHL Change From: 50' FNL & 1000' FEL Section 5. T25S. R35E. To: 2590' FNL & 990' FEL Section 32. T24S. R35E Dedicated Acres: From: 641.52 To: 801.52 C102, Directional Plan and AC Collision Report attached.

NOI Attachments

Procedure Description

- DEERSTALKER\_FED\_COM\_701H.Updated\_C102\_20230203100315.pdf
- DEERSTALKER\_FED\_COM\_701H\_Directional\_Plan\_20230203100317.pdf
- Deerstalker\_Fed\_Com\_701H\_AC\_Report\_20230203100316.pdf

|                                           |                                                                           |                                         |
|-------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|
| <b>Well Name:</b> DEERSTALKER FEDERAL COM | <b>Well Location:</b> T25S / R35E / SEC 8 / SWSE / 32.13952 / -103.385965 | <b>County or Parish/State:</b> LEA / NM |
| <b>Well Number:</b> 701H                  | <b>Type of Well:</b> OIL WELL                                             | <b>Allottee or Tribe Name:</b>          |
| <b>Lease Number:</b> NMNM125658           | <b>Unit or CA Name:</b>                                                   | <b>Unit or CA Number:</b>               |
| <b>US Well Number:</b> 3002550409         | <b>Well Status:</b> Drilling Well                                         | <b>Operator:</b> COG OPERATING LLC      |

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

**Operator Electronic Signature:** MAYTE REYES

**Signed on:** FEB 03, 2023 10:03 AM

**Name:** COG OPERATING LLC

**Title:** Regulatory Analyst

**Street Address:** 925 N ELDRIDGE PARKWAY

**City:** HOUSTON

**State:** TX

**Phone:** (281) 293-1000

**Email address:** MAYTE.X.REYES@CONOCOPHILLIPS.COM

Field

**Representative Name:** Gerald Herrera

**Street Address:** 2208 West Main Street

**City:** Artesia

**State:** NM

**Zip:** 88210

**Phone:** (575)748-6940

**Email address:** gerald.a.herrera@conocophillips.com

BLM Point of Contact

**BLM POC Name:** ZOTA M STEVENS

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752345998

**BLM POC Email Address:** ZSTEVENS@BLM.GOV

**Disposition:** Approved

**Disposition Date:** 02/09/2023

**Signature:** Zota Stevens

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

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (575) 746-1283 Fax: (575) 746-9720

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

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

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

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                   |                                                 |                                                    |
|-----------------------------------|-------------------------------------------------|----------------------------------------------------|
| API Number<br><b>30-025-50409</b> | Pool Code<br><b>98098</b>                       | Pool Name<br><b>WC-025 G-09 S243532M; WOLFBONE</b> |
| Property Code                     | Property Name<br><b>DEERSTALKER FEDERAL COM</b> | Well Number<br><b>701H</b>                         |
| OGRID No.<br><b>229137</b>        | Operator Name<br><b>COG OPERATING, LLC</b>      | Elevation<br><b>3273.0'</b>                        |

**Surface Location**

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0             | 8       | 25-S     | 35-E  |         | 683           | SOUTH            | 1530          | 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 |
|----------------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| 1                                | 32              | 24-S               | 35-E      |         | 2590          | SOUTH            | 990           | EAST           | LEA    |
| Dedicated Acres<br><b>801.52</b> | Joint or Infill | Consolidation Code | Order No. |         |               |                  |               |                |        |

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

NAD 83 NME  
PROPOSED BOTTOM  
HOLE LOCATION  
Y=428275.4 N  
X=835014.9 E  
LAT.=32.173846° N  
LONG.=103.384174° W

| POINT LEGEND |                              |
|--------------|------------------------------|
| 1            | Y=425694.4 N<br>X=836026.8 E |
| 2            | Y=423041.4 N<br>X=836039.9 E |
| 3            | Y=420388.4 N<br>X=836053.0 E |
| 4            | Y=417750.0 N<br>X=836083.7 E |
| 5            | Y=415111.5 N<br>X=836106.5 E |
| 6            | Y=415091.2 N<br>X=833462.6 E |
| 7            | Y=420370.5 N<br>X=833411.5 E |
| 8            | Y=425670.6 N<br>X=833389.1 E |
| 9            | Y=428332.6 N<br>X=836004.4 E |

NAD 83 NME  
SURFACE LOCATION  
Y=415782.7 N  
X=834570.7 E  
LAT.=32.139520° N  
LONG.=103.385965° W

2540' FSL & 990' FEL  
Y=428225.4 N  
X=835015.2 E  
LAT.=32.173708° N  
LONG.=103.384174° W

LEASE X-ING  
LAT.= 32.166727° N  
LONG.= 103.384183° W

LEASE X-ING  
LAT.= 32.152149° N  
LONG.= 103.384202° W

LEASE X-ING  
LAT.= 32.144896° N  
LONG.= 103.384212° W

100' FSL & 990' FEL  
Y=415203.9 N  
X=835115.7 E  
LAT.=32.137916° N  
LONG.=103.384221° W  
GRID AZ. TO FTP  
136°43'22"

**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.

*Mayte Reyes* 12/13/2022  
Signature Date

**Mayte Reyes**  
Printed Name

[mayte.x.reyes@cop.com](mailto:mayte.x.reyes@cop.com)  
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.

MARCH 30, 2021  
Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 11/15/22  
Certificate No. CHAD HARCROW 17777  
W.O. # 22-1100 DRAWN BY: AH

|                                    |                                                                    |                                  |
|------------------------------------|--------------------------------------------------------------------|----------------------------------|
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| Lease Number: NMNM125658           | Unit or CA Name:                                                   | Unit or CA Number:               |
| US Well Number: 3002550409         | Well Status: Drilling Well                                         | Operator: COG OPERATING LLC      |

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Sundry ID: 2714007

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NOI Attachments

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|                                           |                                                                           |                                         |
|-------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|
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| <b>Well Number:</b> 701H                  | <b>Type of Well:</b> OIL WELL                                             | <b>Allottee or Tribe Name:</b>          |
| <b>Lease Number:</b> NMNM125658           | <b>Unit or CA Name:</b>                                                   | <b>Unit or CA Number:</b>               |
| <b>US Well Number:</b> 3002550409         | <b>Well Status:</b> Drilling Well                                         | <b>Operator:</b> COG OPERATING LLC      |

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

|                                                        |                                         |
|--------------------------------------------------------|-----------------------------------------|
| <b>Operator Electronic Signature:</b> MAYTE REYES      | <b>Signed on:</b> FEB 03, 2023 10:03 AM |
| <b>Name:</b> COG OPERATING LLC                         |                                         |
| <b>Title:</b> Regulatory Analyst                       |                                         |
| <b>Street Address:</b> 925 N ELDRIDGE PARKWAY          |                                         |
| <b>City:</b> HOUSTON                                   | <b>State:</b> TX                        |
| <b>Phone:</b> (281) 293-1000                           |                                         |
| <b>Email address:</b> MAYTE.X.REYES@CONOCOPHILLIPS.COM |                                         |

Field

|                                                           |                  |                   |
|-----------------------------------------------------------|------------------|-------------------|
| <b>Representative Name:</b> Gerald Herrera                |                  |                   |
| <b>Street Address:</b> 2208 West Main Street              |                  |                   |
| <b>City:</b> Artesia                                      | <b>State:</b> NM | <b>Zip:</b> 88210 |
| <b>Phone:</b> (575)748-6940                               |                  |                   |
| <b>Email address:</b> gerald.a.herrera@conocophillips.com |                  |                   |

BLM Point of Contact

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| <b>BLM POC Name:</b> ZOTA M STEVENS | <b>BLM POC Title:</b> Petroleum Engineer       |
| <b>BLM POC Phone:</b> 5752345998    | <b>BLM POC Email Address:</b> ZSTEVENS@BLM.GOV |
| <b>Disposition:</b> Approved        | <b>Disposition Date:</b> 02/09/2023            |
| <b>Signature:</b> Zota Stevens      |                                                |

# **DELAWARE BASIN EAST**

**BULLDOG PROSPECT (NM-E)**

**DEERSTALKER FEDERAL PROJECT (BULLDOG 2535)**

**DEERSTALKER FED COM #701H**

**OWB**

**Plan: PWP1**

## **Standard Planning Report**

**13 December, 2022**

ConocoPhillips  
Planning Report

|           |                                            |                              |                                |
|-----------|--------------------------------------------|------------------------------|--------------------------------|
| Database: | EDT 17 Central Planning Prod               | Local Co-ordinate Reference: | Well DEERSTALKER FED COM #701H |
| Company:  | DELAWARE BASIN EAST                        | TVD Reference:               | KB=26' @ 3299.0usft (MCVAY 8)  |
| Project:  | BULLDOG PROSPECT (NM-E)                    | MD Reference:                | KB=26' @ 3299.0usft (MCVAY 8)  |
| Site:     | DEERSTALKER FEDERAL PROJECT (BULLDOG 2535) | North Reference:             | Grid                           |
| Well:     | DEERSTALKER FED COM #701H                  | Survey Calculation Method:   | Minimum Curvature              |
| Wellbore: | OWB                                        |                              |                                |
| Design:   | PWP1                                       |                              |                                |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| 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                 | DEERSTALKER FED COM #701H |          |                     |                 |                             |
| Well Position        | +N/-S                     | 0.0 usft | Northing:           | 415,724.40 usft | Latitude: 32° 8' 21.818 N   |
|                      | +E/-W                     | 0.0 usft | Easting:            | 793,384.20 usft | Longitude: 103° 23' 7.795 W |
| Position Uncertainty |                           | 3.0 usft | Wellhead Elevation: | usft            | Ground Level: 3,273.0 usft  |
| Grid Convergence:    |                           | 0.50 °   |                     |                 |                             |

|           |            |             |                 |               |                     |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| Wellbore  | OWB        |             |                 |               |                     |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|           | WMM2015    | 5/9/2019    | 6.69            | 59.97         | 47,696.84073302     |

|                   |                         |              |               |               |
|-------------------|-------------------------|--------------|---------------|---------------|
| 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           | 2.04          |

|                          |                 |                     |                                |         |
|--------------------------|-----------------|---------------------|--------------------------------|---------|
| Plan Survey Tool Program | Date            | 12/13/2022          |                                |         |
| Depth From (usft)        | Depth To (usft) | Survey (Wellbore)   | Tool Name                      | Remarks |
| 1 0.0 0.0                | PWP1 (OWB)      | Standard Keeper 104 | Standard Wireline Keeper ver 1 |         |
| 2 12,035.0 25,509.8      | PWP1 (OWB)      | r.5 MWD+IFR1+MS     | OWSG MWD + IFR1 + Multi-St     |         |

|                       |                 |             |                       |              |              |                         |                        |                       |         |        |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------|
| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |        |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |
| 2,500.0               | 0.00            | 0.00        | 2,500.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |
| 3,025.0               | 10.50           | 139.30      | 3,022.1               | -36.4        | 31.3         | 2.00                    | 2.00                   | 0.00                  | 139.30  |        |
| 6,745.2               | 10.50           | 139.30      | 6,680.0               | -550.4       | 473.4        | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |
| 7,795.2               | 0.00            | 0.00        | 7,724.1               | -623.1       | 535.9        | 1.00                    | -1.00                  | 0.00                  | 180.00  |        |
| 12,067.1              | 0.00            | 0.00        | 11,996.0              | -623.1       | 535.9        | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |
| 12,967.1              | 90.00           | 359.60      | 12,569.0              | -50.1        | 532.0        | 10.00                   | 10.00                  | -0.04                 | 359.60  |        |
| 25,509.8              | 90.00           | 359.60      | 12,569.0              | 12,492.3     | 444.7        | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |

## ConocoPhillips

## Planning Report

|                  |                                               |                                     |                                |
|------------------|-----------------------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | EDT 17 Central Planning Prod                  | <b>Local Co-ordinate Reference:</b> | Well DEERSTALKER FED COM #701H |
| <b>Company:</b>  | DELAWARE BASIN EAST                           | <b>TVD Reference:</b>               | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Project:</b>  | BULLDOG PROSPECT (NM-E)                       | <b>MD Reference:</b>                | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Site:</b>     | DEERSTALKER FEDERAL PROJECT<br>(BULLDOG 2535) | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | DEERSTALKER FED COM #701H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | OWB                                           |                                     |                                |
| <b>Design:</b>   | PWP1                                          |                                     |                                |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                 | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                 | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                 | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0               | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0               | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0               | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0               | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0               | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0               | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0               | 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                  |
| 2,600.0               | 2.00            | 139.30      | 2,600.0               | -1.3         | 1.1          | -1.3                    | 2.00                    | 2.00                   | 0.00                  |
| 2,700.0               | 4.00            | 139.30      | 2,699.8               | -5.3         | 4.6          | -5.1                    | 2.00                    | 2.00                   | 0.00                  |
| 2,800.0               | 6.00            | 139.30      | 2,799.5               | -11.9        | 10.2         | -11.5                   | 2.00                    | 2.00                   | 0.00                  |
| 2,900.0               | 8.00            | 139.30      | 2,898.7               | -21.1        | 18.2         | -20.5                   | 2.00                    | 2.00                   | 0.00                  |
| 3,000.0               | 10.00           | 139.30      | 2,997.5               | -33.0        | 28.4         | -32.0                   | 2.00                    | 2.00                   | 0.00                  |
| 3,025.0               | 10.50           | 139.30      | 3,022.1               | -36.4        | 31.3         | -35.2                   | 2.00                    | 2.00                   | 0.00                  |
| 3,100.0               | 10.50           | 139.30      | 3,095.8               | -46.7        | 40.2         | -45.3                   | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 10.50           | 139.30      | 3,194.1               | -60.5        | 52.1         | -58.7                   | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 10.50           | 139.30      | 3,292.5               | -74.4        | 64.0         | -72.0                   | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 10.50           | 139.30      | 3,390.8               | -88.2        | 75.8         | -85.4                   | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 10.50           | 139.30      | 3,489.1               | -102.0       | 87.7         | -98.8                   | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 10.50           | 139.30      | 3,587.4               | -115.8       | 99.6         | -112.2                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 10.50           | 139.30      | 3,685.8               | -129.6       | 111.5        | -125.6                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 10.50           | 139.30      | 3,784.1               | -143.4       | 123.4        | -139.0                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 10.50           | 139.30      | 3,882.4               | -157.3       | 135.3        | -152.3                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 10.50           | 139.30      | 3,980.7               | -171.1       | 147.1        | -165.7                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 10.50           | 139.30      | 4,079.1               | -184.9       | 159.0        | -179.1                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0               | 10.50           | 139.30      | 4,177.4               | -198.7       | 170.9        | -192.5                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0               | 10.50           | 139.30      | 4,275.7               | -212.5       | 182.8        | -205.9                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 10.50           | 139.30      | 4,374.0               | -226.3       | 194.7        | -219.3                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 10.50           | 139.30      | 4,472.4               | -240.2       | 206.6        | -232.7                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 10.50           | 139.30      | 4,570.7               | -254.0       | 218.4        | -246.0                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 10.50           | 139.30      | 4,669.0               | -267.8       | 230.3        | -259.4                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 10.50           | 139.30      | 4,767.3               | -281.6       | 242.2        | -272.8                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 10.50           | 139.30      | 4,865.7               | -295.4       | 254.1        | -286.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 10.50           | 139.30      | 4,964.0               | -309.2       | 266.0        | -299.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 10.50           | 139.30      | 5,062.3               | -323.0       | 277.9        | -313.0                  | 0.00                    | 0.00                   | 0.00                  |

## ConocoPhillips

## Planning Report

|                  |                                               |                                     |                                |
|------------------|-----------------------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | EDT 17 Central Planning Prod                  | <b>Local Co-ordinate Reference:</b> | Well DEERSTALKER FED COM #701H |
| <b>Company:</b>  | DELAWARE BASIN EAST                           | <b>TVD Reference:</b>               | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Project:</b>  | BULLDOG PROSPECT (NM-E)                       | <b>MD Reference:</b>                | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Site:</b>     | DEERSTALKER FEDERAL PROJECT<br>(BULLDOG 2535) | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | DEERSTALKER FED COM #701H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | OWB                                           |                                     |                                |
| <b>Design:</b>   | PWP1                                          |                                     |                                |

| Planned Survey                       |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
|--------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|--|
| Measured<br>Depth<br>(usft)          | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |  |
| 5,200.0                              | 10.50              | 139.30         | 5,160.6                     | -336.9          | 289.7           | -326.3                        | 0.00                          | 0.00                         | 0.00                        |  |
| 5,300.0                              | 10.50              | 139.30         | 5,259.0                     | -350.7          | 301.6           | -339.7                        | 0.00                          | 0.00                         | 0.00                        |  |
| 5,400.0                              | 10.50              | 139.30         | 5,357.3                     | -364.5          | 313.5           | -353.1                        | 0.00                          | 0.00                         | 0.00                        |  |
| 5,500.0                              | 10.50              | 139.30         | 5,455.6                     | -378.3          | 325.4           | -366.5                        | 0.00                          | 0.00                         | 0.00                        |  |
| 5,600.0                              | 10.50              | 139.30         | 5,553.9                     | -392.1          | 337.3           | -379.9                        | 0.00                          | 0.00                         | 0.00                        |  |
| 5,700.0                              | 10.50              | 139.30         | 5,652.3                     | -405.9          | 349.2           | -393.3                        | 0.00                          | 0.00                         | 0.00                        |  |
| 5,800.0                              | 10.50              | 139.30         | 5,750.6                     | -419.8          | 361.1           | -406.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 5,900.0                              | 10.50              | 139.30         | 5,848.9                     | -433.6          | 372.9           | -420.0                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,000.0                              | 10.50              | 139.30         | 5,947.2                     | -447.4          | 384.8           | -433.4                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,100.0                              | 10.50              | 139.30         | 6,045.6                     | -461.2          | 396.7           | -446.8                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,200.0                              | 10.50              | 139.30         | 6,143.9                     | -475.0          | 408.6           | -460.2                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,300.0                              | 10.50              | 139.30         | 6,242.2                     | -488.8          | 420.5           | -473.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,400.0                              | 10.50              | 139.30         | 6,340.6                     | -502.7          | 432.4           | -487.0                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,500.0                              | 10.50              | 139.30         | 6,438.9                     | -516.5          | 444.2           | -500.3                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,600.0                              | 10.50              | 139.30         | 6,537.2                     | -530.3          | 456.1           | -513.7                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,700.0                              | 10.50              | 139.30         | 6,635.5                     | -544.1          | 468.0           | -527.1                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,745.2                              | 10.50              | 139.30         | 6,680.0                     | -550.4          | 473.4           | -533.2                        | 0.00                          | 0.00                         | 0.00                        |  |
| 6,800.0                              | 9.95               | 139.30         | 6,733.9                     | -557.7          | 479.7           | -540.3                        | 1.00                          | -1.00                        | 0.00                        |  |
| 6,900.0                              | 8.95               | 139.30         | 6,832.5                     | -570.2          | 490.4           | -552.4                        | 1.00                          | -1.00                        | 0.00                        |  |
| 6,980.0                              | 8.15               | 139.30         | 6,911.6                     | -579.2          | 498.2           | -561.1                        | 1.00                          | -1.00                        | 0.00                        |  |
| 701H TAKE PT BNDRY Exit at 6980.0 MD |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
| 7,000.0                              | 7.95               | 139.30         | 6,931.5                     | -581.3          | 500.0           | -563.2                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,100.0                              | 6.95               | 139.30         | 7,030.6                     | -591.2          | 508.5           | -572.7                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,200.0                              | 5.95               | 139.30         | 7,130.0                     | -599.7          | 515.8           | -580.9                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,300.0                              | 4.95               | 139.30         | 7,229.5                     | -606.9          | 522.0           | -587.9                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,400.0                              | 3.95               | 139.30         | 7,329.2                     | -612.8          | 527.1           | -593.6                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,500.0                              | 2.95               | 139.30         | 7,429.0                     | -617.3          | 531.0           | -598.0                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,600.0                              | 1.95               | 139.30         | 7,528.9                     | -620.6          | 533.8           | -601.2                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,700.0                              | 0.95               | 139.30         | 7,628.9                     | -622.5          | 535.4           | -603.0                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,795.2                              | 0.00               | 0.00           | 7,724.1                     | -623.1          | 535.9           | -603.6                        | 1.00                          | -1.00                        | 0.00                        |  |
| 7,800.0                              | 0.00               | 0.00           | 7,728.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 7,900.0                              | 0.00               | 0.00           | 7,828.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,000.0                              | 0.00               | 0.00           | 7,928.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,100.0                              | 0.00               | 0.00           | 8,028.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,200.0                              | 0.00               | 0.00           | 8,128.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,300.0                              | 0.00               | 0.00           | 8,228.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,400.0                              | 0.00               | 0.00           | 8,328.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,500.0                              | 0.00               | 0.00           | 8,428.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,600.0                              | 0.00               | 0.00           | 8,528.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,700.0                              | 0.00               | 0.00           | 8,628.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,800.0                              | 0.00               | 0.00           | 8,728.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,900.0                              | 0.00               | 0.00           | 8,828.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,000.0                              | 0.00               | 0.00           | 8,928.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,100.0                              | 0.00               | 0.00           | 9,028.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,200.0                              | 0.00               | 0.00           | 9,128.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,300.0                              | 0.00               | 0.00           | 9,228.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,400.0                              | 0.00               | 0.00           | 9,328.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,500.0                              | 0.00               | 0.00           | 9,428.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,600.0                              | 0.00               | 0.00           | 9,528.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,700.0                              | 0.00               | 0.00           | 9,628.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,800.0                              | 0.00               | 0.00           | 9,728.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,900.0                              | 0.00               | 0.00           | 9,828.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |
| 10,000.0                             | 0.00               | 0.00           | 9,928.9                     | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |  |

## ConocoPhillips

## Planning Report

|                  |                                               |                                     |                                |
|------------------|-----------------------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | EDT 17 Central Planning Prod                  | <b>Local Co-ordinate Reference:</b> | Well DEERSTALKER FED COM #701H |
| <b>Company:</b>  | DELAWARE BASIN EAST                           | <b>TVD Reference:</b>               | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Project:</b>  | BULLDOG PROSPECT (NM-E)                       | <b>MD Reference:</b>                | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Site:</b>     | DEERSTALKER FEDERAL PROJECT<br>(BULLDOG 2535) | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | DEERSTALKER FED COM #701H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | OWB                                           |                                     |                                |
| <b>Design:</b>   | PWP1                                          |                                     |                                |

| Planned Survey                                |                    |                |                             |                 |                 |                               |                               |                              |                             |
|-----------------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft)                   | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 10,100.0                                      | 0.00               | 0.00           | 10,028.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 10,200.0                                      | 0.00               | 0.00           | 10,128.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 10,300.0                                      | 0.00               | 0.00           | 10,228.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 10,400.0                                      | 0.00               | 0.00           | 10,328.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 10,500.0                                      | 0.00               | 0.00           | 10,428.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 10,600.0                                      | 0.00               | 0.00           | 10,528.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 10,700.0                                      | 0.00               | 0.00           | 10,628.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 10,800.0                                      | 0.00               | 0.00           | 10,728.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 10,900.0                                      | 0.00               | 0.00           | 10,828.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,000.0                                      | 0.00               | 0.00           | 10,928.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,100.0                                      | 0.00               | 0.00           | 11,028.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,200.0                                      | 0.00               | 0.00           | 11,128.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,300.0                                      | 0.00               | 0.00           | 11,228.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,400.0                                      | 0.00               | 0.00           | 11,328.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,500.0                                      | 0.00               | 0.00           | 11,428.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,600.0                                      | 0.00               | 0.00           | 11,528.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,700.0                                      | 0.00               | 0.00           | 11,628.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,800.0                                      | 0.00               | 0.00           | 11,728.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 11,900.0                                      | 0.00               | 0.00           | 11,828.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 12,000.0                                      | 0.00               | 0.00           | 11,928.9                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 12,067.1                                      | 0.00               | 0.00           | 11,996.0                    | -623.1          | 535.9           | -603.6                        | 0.00                          | 0.00                         | 0.00                        |
| 12,100.0                                      | 3.29               | 359.60         | 12,028.9                    | -622.1          | 535.9           | -602.7                        | 10.00                         | 10.00                        | 0.00                        |
| 12,150.0                                      | 8.29               | 359.60         | 12,078.6                    | -617.1          | 535.9           | -597.6                        | 10.00                         | 10.00                        | 0.00                        |
| 12,200.0                                      | 13.29              | 359.60         | 12,127.7                    | -607.7          | 535.8           | -588.3                        | 10.00                         | 10.00                        | 0.00                        |
| 12,250.0                                      | 18.29              | 359.60         | 12,175.8                    | -594.1          | 535.7           | -574.7                        | 10.00                         | 10.00                        | 0.00                        |
| 12,294.0                                      | 22.69              | 359.60         | 12,217.0                    | -578.8          | 535.6           | -559.3                        | 10.00                         | 10.00                        | 0.00                        |
| <b>701H TAKE PT BNDRY Entry at 12294.0 MD</b> |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 12,300.0                                      | 23.29              | 359.60         | 12,222.5                    | -576.4          | 535.6           | -557.0                        | 10.00                         | 10.00                        | 0.00                        |
| 12,350.0                                      | 28.29              | 359.60         | 12,267.5                    | -554.7          | 535.5           | -535.3                        | 10.00                         | 10.00                        | 0.00                        |
| 12,400.0                                      | 33.29              | 359.60         | 12,310.5                    | -529.1          | 535.3           | -509.7                        | 10.00                         | 10.00                        | 0.00                        |
| 12,450.0                                      | 38.29              | 359.60         | 12,351.0                    | -499.8          | 535.1           | -480.5                        | 10.00                         | 10.00                        | 0.00                        |
| 12,500.0                                      | 43.29              | 359.60         | 12,388.9                    | -467.2          | 534.9           | -447.9                        | 10.00                         | 10.00                        | 0.00                        |
| 12,545.5                                      | 47.84              | 359.60         | 12,420.7                    | -434.7          | 534.6           | -415.4                        | 10.00                         | 10.00                        | 0.00                        |
| <b>FTP (DEERSTALKER FED COM #701H)</b>        |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 12,550.0                                      | 48.29              | 359.60         | 12,423.7                    | -431.4          | 534.6           | -412.1                        | 10.00                         | 10.00                        | 0.00                        |
| 12,600.0                                      | 53.29              | 359.60         | 12,455.3                    | -392.6          | 534.3           | -373.4                        | 10.00                         | 10.00                        | 0.00                        |
| 12,650.0                                      | 58.29              | 359.60         | 12,483.4                    | -351.3          | 534.1           | -332.1                        | 10.00                         | 10.00                        | 0.00                        |
| 12,700.0                                      | 63.29              | 359.60         | 12,507.8                    | -307.7          | 533.7           | -288.5                        | 10.00                         | 10.00                        | 0.00                        |
| 12,750.0                                      | 68.29              | 359.60         | 12,528.3                    | -262.1          | 533.4           | -242.9                        | 10.00                         | 10.00                        | 0.00                        |
| 12,800.0                                      | 73.29              | 359.60         | 12,544.8                    | -214.9          | 533.1           | -195.8                        | 10.00                         | 10.00                        | 0.00                        |
| 12,850.0                                      | 78.29              | 359.60         | 12,557.0                    | -166.4          | 532.8           | -147.4                        | 10.00                         | 10.00                        | 0.00                        |
| 12,900.0                                      | 83.29              | 359.60         | 12,565.0                    | -117.1          | 532.4           | -98.1                         | 10.00                         | 10.00                        | 0.00                        |
| 12,950.0                                      | 88.29              | 359.60         | 12,568.7                    | -67.2           | 532.1           | -48.3                         | 10.00                         | 10.00                        | 0.00                        |
| 12,967.1                                      | 90.00              | 359.60         | 12,569.0                    | -50.1           | 532.0           | -31.2                         | 10.00                         | 10.00                        | 0.00                        |
| 13,000.0                                      | 90.00              | 359.60         | 12,569.0                    | -17.2           | 531.7           | 1.7                           | 0.00                          | 0.00                         | 0.00                        |
| 13,100.0                                      | 90.00              | 359.60         | 12,569.0                    | 82.8            | 531.0           | 101.6                         | 0.00                          | 0.00                         | 0.00                        |
| 13,200.0                                      | 90.00              | 359.60         | 12,569.0                    | 182.8           | 530.3           | 201.5                         | 0.00                          | 0.00                         | 0.00                        |
| 13,300.0                                      | 90.00              | 359.60         | 12,569.0                    | 282.8           | 529.6           | 301.4                         | 0.00                          | 0.00                         | 0.00                        |
| 13,400.0                                      | 90.00              | 359.60         | 12,569.0                    | 382.7           | 528.9           | 401.3                         | 0.00                          | 0.00                         | 0.00                        |
| 13,500.0                                      | 90.00              | 359.60         | 12,569.0                    | 482.7           | 528.2           | 501.2                         | 0.00                          | 0.00                         | 0.00                        |
| 13,600.0                                      | 90.00              | 359.60         | 12,569.0                    | 582.7           | 527.6           | 601.1                         | 0.00                          | 0.00                         | 0.00                        |
| 13,700.0                                      | 90.00              | 359.60         | 12,569.0                    | 682.7           | 526.9           | 701.1                         | 0.00                          | 0.00                         | 0.00                        |

## ConocoPhillips

## Planning Report

|                  |                                               |                                     |                                |
|------------------|-----------------------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | EDT 17 Central Planning Prod                  | <b>Local Co-ordinate Reference:</b> | Well DEERSTALKER FED COM #701H |
| <b>Company:</b>  | DELAWARE BASIN EAST                           | <b>TVD Reference:</b>               | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Project:</b>  | BULLDOG PROSPECT (NM-E)                       | <b>MD Reference:</b>                | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Site:</b>     | DEERSTALKER FEDERAL PROJECT<br>(BULLDOG 2535) | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | DEERSTALKER FED COM #701H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | OWB                                           |                                     |                                |
| <b>Design:</b>   | PWP1                                          |                                     |                                |

| Planned Survey              |                    |                |                             |                 |                 |                               |                               |                              |                             |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 13,800.0                    | 90.00              | 359.60         | 12,569.0                    | 782.7           | 526.2           | 801.0                         | 0.00                          | 0.00                         | 0.00                        |
| 13,900.0                    | 90.00              | 359.60         | 12,569.0                    | 882.7           | 525.5           | 900.9                         | 0.00                          | 0.00                         | 0.00                        |
| 14,000.0                    | 90.00              | 359.60         | 12,569.0                    | 982.7           | 524.8           | 1,000.8                       | 0.00                          | 0.00                         | 0.00                        |
| 14,100.0                    | 90.00              | 359.60         | 12,569.0                    | 1,082.7         | 524.1           | 1,100.7                       | 0.00                          | 0.00                         | 0.00                        |
| 14,200.0                    | 90.00              | 359.60         | 12,569.0                    | 1,182.7         | 523.4           | 1,200.6                       | 0.00                          | 0.00                         | 0.00                        |
| 14,300.0                    | 90.00              | 359.60         | 12,569.0                    | 1,282.7         | 522.7           | 1,300.5                       | 0.00                          | 0.00                         | 0.00                        |
| 14,400.0                    | 90.00              | 359.60         | 12,569.0                    | 1,382.7         | 522.0           | 1,400.4                       | 0.00                          | 0.00                         | 0.00                        |
| 14,500.0                    | 90.00              | 359.60         | 12,569.0                    | 1,482.7         | 521.3           | 1,500.3                       | 0.00                          | 0.00                         | 0.00                        |
| 14,600.0                    | 90.00              | 359.60         | 12,569.0                    | 1,582.7         | 520.6           | 1,600.2                       | 0.00                          | 0.00                         | 0.00                        |
| 14,700.0                    | 90.00              | 359.60         | 12,569.0                    | 1,682.7         | 519.9           | 1,700.1                       | 0.00                          | 0.00                         | 0.00                        |
| 14,800.0                    | 90.00              | 359.60         | 12,569.0                    | 1,782.7         | 519.2           | 1,800.1                       | 0.00                          | 0.00                         | 0.00                        |
| 14,900.0                    | 90.00              | 359.60         | 12,569.0                    | 1,882.7         | 518.5           | 1,900.0                       | 0.00                          | 0.00                         | 0.00                        |
| 15,000.0                    | 90.00              | 359.60         | 12,569.0                    | 1,982.7         | 517.8           | 1,999.9                       | 0.00                          | 0.00                         | 0.00                        |
| 15,100.0                    | 90.00              | 359.60         | 12,569.0                    | 2,082.7         | 517.1           | 2,099.8                       | 0.00                          | 0.00                         | 0.00                        |
| 15,200.0                    | 90.00              | 359.60         | 12,569.0                    | 2,182.7         | 516.4           | 2,199.7                       | 0.00                          | 0.00                         | 0.00                        |
| 15,300.0                    | 90.00              | 359.60         | 12,569.0                    | 2,282.7         | 515.7           | 2,299.6                       | 0.00                          | 0.00                         | 0.00                        |
| 15,400.0                    | 90.00              | 359.60         | 12,569.0                    | 2,382.7         | 515.0           | 2,399.5                       | 0.00                          | 0.00                         | 0.00                        |
| 15,500.0                    | 90.00              | 359.60         | 12,569.0                    | 2,482.7         | 514.3           | 2,499.4                       | 0.00                          | 0.00                         | 0.00                        |
| 15,600.0                    | 90.00              | 359.60         | 12,569.0                    | 2,582.7         | 513.6           | 2,599.3                       | 0.00                          | 0.00                         | 0.00                        |
| 15,700.0                    | 90.00              | 359.60         | 12,569.0                    | 2,682.7         | 512.9           | 2,699.2                       | 0.00                          | 0.00                         | 0.00                        |
| 15,800.0                    | 90.00              | 359.60         | 12,569.0                    | 2,782.7         | 512.2           | 2,799.2                       | 0.00                          | 0.00                         | 0.00                        |
| 15,900.0                    | 90.00              | 359.60         | 12,569.0                    | 2,882.7         | 511.6           | 2,899.1                       | 0.00                          | 0.00                         | 0.00                        |
| 16,000.0                    | 90.00              | 359.60         | 12,569.0                    | 2,982.7         | 510.9           | 2,999.0                       | 0.00                          | 0.00                         | 0.00                        |
| 16,100.0                    | 90.00              | 359.60         | 12,569.0                    | 3,082.7         | 510.2           | 3,098.9                       | 0.00                          | 0.00                         | 0.00                        |
| 16,200.0                    | 90.00              | 359.60         | 12,569.0                    | 3,182.7         | 509.5           | 3,198.8                       | 0.00                          | 0.00                         | 0.00                        |
| 16,300.0                    | 90.00              | 359.60         | 12,569.0                    | 3,282.7         | 508.8           | 3,298.7                       | 0.00                          | 0.00                         | 0.00                        |
| 16,400.0                    | 90.00              | 359.60         | 12,569.0                    | 3,382.7         | 508.1           | 3,398.6                       | 0.00                          | 0.00                         | 0.00                        |
| 16,500.0                    | 90.00              | 359.60         | 12,569.0                    | 3,482.7         | 507.4           | 3,498.5                       | 0.00                          | 0.00                         | 0.00                        |
| 16,600.0                    | 90.00              | 359.60         | 12,569.0                    | 3,582.7         | 506.7           | 3,598.4                       | 0.00                          | 0.00                         | 0.00                        |
| 16,700.0                    | 90.00              | 359.60         | 12,569.0                    | 3,682.7         | 506.0           | 3,698.3                       | 0.00                          | 0.00                         | 0.00                        |
| 16,800.0                    | 90.00              | 359.60         | 12,569.0                    | 3,782.7         | 505.3           | 3,798.2                       | 0.00                          | 0.00                         | 0.00                        |
| 16,900.0                    | 90.00              | 359.60         | 12,569.0                    | 3,882.7         | 504.6           | 3,898.2                       | 0.00                          | 0.00                         | 0.00                        |
| 17,000.0                    | 90.00              | 359.60         | 12,569.0                    | 3,982.7         | 503.9           | 3,998.1                       | 0.00                          | 0.00                         | 0.00                        |
| 17,100.0                    | 90.00              | 359.60         | 12,569.0                    | 4,082.7         | 503.2           | 4,098.0                       | 0.00                          | 0.00                         | 0.00                        |
| 17,200.0                    | 90.00              | 359.60         | 12,569.0                    | 4,182.7         | 502.5           | 4,197.9                       | 0.00                          | 0.00                         | 0.00                        |
| 17,300.0                    | 90.00              | 359.60         | 12,569.0                    | 4,282.7         | 501.8           | 4,297.8                       | 0.00                          | 0.00                         | 0.00                        |
| 17,400.0                    | 90.00              | 359.60         | 12,569.0                    | 4,382.7         | 501.1           | 4,397.7                       | 0.00                          | 0.00                         | 0.00                        |
| 17,500.0                    | 90.00              | 359.60         | 12,569.0                    | 4,482.6         | 500.4           | 4,497.6                       | 0.00                          | 0.00                         | 0.00                        |
| 17,600.0                    | 90.00              | 359.60         | 12,569.0                    | 4,582.6         | 499.7           | 4,597.5                       | 0.00                          | 0.00                         | 0.00                        |
| 17,700.0                    | 90.00              | 359.60         | 12,569.0                    | 4,682.6         | 499.0           | 4,697.4                       | 0.00                          | 0.00                         | 0.00                        |
| 17,800.0                    | 90.00              | 359.60         | 12,569.0                    | 4,782.6         | 498.3           | 4,797.3                       | 0.00                          | 0.00                         | 0.00                        |
| 17,900.0                    | 90.00              | 359.60         | 12,569.0                    | 4,882.6         | 497.6           | 4,897.3                       | 0.00                          | 0.00                         | 0.00                        |
| 18,000.0                    | 90.00              | 359.60         | 12,569.0                    | 4,982.6         | 496.9           | 4,997.2                       | 0.00                          | 0.00                         | 0.00                        |
| 18,100.0                    | 90.00              | 359.60         | 12,569.0                    | 5,082.6         | 496.2           | 5,097.1                       | 0.00                          | 0.00                         | 0.00                        |
| 18,200.0                    | 90.00              | 359.60         | 12,569.0                    | 5,182.6         | 495.6           | 5,197.0                       | 0.00                          | 0.00                         | 0.00                        |
| 18,300.0                    | 90.00              | 359.60         | 12,569.0                    | 5,282.6         | 494.9           | 5,296.9                       | 0.00                          | 0.00                         | 0.00                        |
| 18,400.0                    | 90.00              | 359.60         | 12,569.0                    | 5,382.6         | 494.2           | 5,396.8                       | 0.00                          | 0.00                         | 0.00                        |
| 18,500.0                    | 90.00              | 359.60         | 12,569.0                    | 5,482.6         | 493.5           | 5,496.7                       | 0.00                          | 0.00                         | 0.00                        |
| 18,600.0                    | 90.00              | 359.60         | 12,569.0                    | 5,582.6         | 492.8           | 5,596.6                       | 0.00                          | 0.00                         | 0.00                        |
| 18,700.0                    | 90.00              | 359.60         | 12,569.0                    | 5,682.6         | 492.1           | 5,696.5                       | 0.00                          | 0.00                         | 0.00                        |
| 18,800.0                    | 90.00              | 359.60         | 12,569.0                    | 5,782.6         | 491.4           | 5,796.4                       | 0.00                          | 0.00                         | 0.00                        |
| 18,900.0                    | 90.00              | 359.60         | 12,569.0                    | 5,882.6         | 490.7           | 5,896.3                       | 0.00                          | 0.00                         | 0.00                        |
| 19,000.0                    | 90.00              | 359.60         | 12,569.0                    | 5,982.6         | 490.0           | 5,996.3                       | 0.00                          | 0.00                         | 0.00                        |

## ConocoPhillips

## Planning Report

|                  |                                               |                                     |                                |
|------------------|-----------------------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | EDT 17 Central Planning Prod                  | <b>Local Co-ordinate Reference:</b> | Well DEERSTALKER FED COM #701H |
| <b>Company:</b>  | DELAWARE BASIN EAST                           | <b>TVD Reference:</b>               | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Project:</b>  | BULLDOG PROSPECT (NM-E)                       | <b>MD Reference:</b>                | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Site:</b>     | DEERSTALKER FEDERAL PROJECT<br>(BULLDOG 2535) | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | DEERSTALKER FED COM #701H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | OWB                                           |                                     |                                |
| <b>Design:</b>   | PWP1                                          |                                     |                                |

| Planned Survey              |                    |                |                             |                 |                 |                               |                               |                              |                             |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 19,100.0                    | 90.00              | 359.60         | 12,569.0                    | 6,082.6         | 489.3           | 6,096.2                       | 0.00                          | 0.00                         | 0.00                        |
| 19,200.0                    | 90.00              | 359.60         | 12,569.0                    | 6,182.6         | 488.6           | 6,196.1                       | 0.00                          | 0.00                         | 0.00                        |
| 19,300.0                    | 90.00              | 359.60         | 12,569.0                    | 6,282.6         | 487.9           | 6,296.0                       | 0.00                          | 0.00                         | 0.00                        |
| 19,400.0                    | 90.00              | 359.60         | 12,569.0                    | 6,382.6         | 487.2           | 6,395.9                       | 0.00                          | 0.00                         | 0.00                        |
| 19,500.0                    | 90.00              | 359.60         | 12,569.0                    | 6,482.6         | 486.5           | 6,495.8                       | 0.00                          | 0.00                         | 0.00                        |
| 19,600.0                    | 90.00              | 359.60         | 12,569.0                    | 6,582.6         | 485.8           | 6,595.7                       | 0.00                          | 0.00                         | 0.00                        |
| 19,700.0                    | 90.00              | 359.60         | 12,569.0                    | 6,682.6         | 485.1           | 6,695.6                       | 0.00                          | 0.00                         | 0.00                        |
| 19,800.0                    | 90.00              | 359.60         | 12,569.0                    | 6,782.6         | 484.4           | 6,795.5                       | 0.00                          | 0.00                         | 0.00                        |
| 19,900.0                    | 90.00              | 359.60         | 12,569.0                    | 6,882.6         | 483.7           | 6,895.4                       | 0.00                          | 0.00                         | 0.00                        |
| 20,000.0                    | 90.00              | 359.60         | 12,569.0                    | 6,982.6         | 483.0           | 6,995.4                       | 0.00                          | 0.00                         | 0.00                        |
| 20,100.0                    | 90.00              | 359.60         | 12,569.0                    | 7,082.6         | 482.3           | 7,095.3                       | 0.00                          | 0.00                         | 0.00                        |
| 20,200.0                    | 90.00              | 359.60         | 12,569.0                    | 7,182.6         | 481.6           | 7,195.2                       | 0.00                          | 0.00                         | 0.00                        |
| 20,300.0                    | 90.00              | 359.60         | 12,569.0                    | 7,282.6         | 480.9           | 7,295.1                       | 0.00                          | 0.00                         | 0.00                        |
| 20,400.0                    | 90.00              | 359.60         | 12,569.0                    | 7,382.6         | 480.2           | 7,395.0                       | 0.00                          | 0.00                         | 0.00                        |
| 20,500.0                    | 90.00              | 359.60         | 12,569.0                    | 7,482.6         | 479.6           | 7,494.9                       | 0.00                          | 0.00                         | 0.00                        |
| 20,600.0                    | 90.00              | 359.60         | 12,569.0                    | 7,582.6         | 478.9           | 7,594.8                       | 0.00                          | 0.00                         | 0.00                        |
| 20,700.0                    | 90.00              | 359.60         | 12,569.0                    | 7,682.6         | 478.2           | 7,694.7                       | 0.00                          | 0.00                         | 0.00                        |
| 20,800.0                    | 90.00              | 359.60         | 12,569.0                    | 7,782.6         | 477.5           | 7,794.6                       | 0.00                          | 0.00                         | 0.00                        |
| 20,900.0                    | 90.00              | 359.60         | 12,569.0                    | 7,882.6         | 476.8           | 7,894.5                       | 0.00                          | 0.00                         | 0.00                        |
| 21,000.0                    | 90.00              | 359.60         | 12,569.0                    | 7,982.6         | 476.1           | 7,994.4                       | 0.00                          | 0.00                         | 0.00                        |
| 21,100.0                    | 90.00              | 359.60         | 12,569.0                    | 8,082.6         | 475.4           | 8,094.4                       | 0.00                          | 0.00                         | 0.00                        |
| 21,200.0                    | 90.00              | 359.60         | 12,569.0                    | 8,182.6         | 474.7           | 8,194.3                       | 0.00                          | 0.00                         | 0.00                        |
| 21,300.0                    | 90.00              | 359.60         | 12,569.0                    | 8,282.6         | 474.0           | 8,294.2                       | 0.00                          | 0.00                         | 0.00                        |
| 21,400.0                    | 90.00              | 359.60         | 12,569.0                    | 8,382.6         | 473.3           | 8,394.1                       | 0.00                          | 0.00                         | 0.00                        |
| 21,500.0                    | 90.00              | 359.60         | 12,569.0                    | 8,482.6         | 472.6           | 8,494.0                       | 0.00                          | 0.00                         | 0.00                        |
| 21,600.0                    | 90.00              | 359.60         | 12,569.0                    | 8,582.5         | 471.9           | 8,593.9                       | 0.00                          | 0.00                         | 0.00                        |
| 21,700.0                    | 90.00              | 359.60         | 12,569.0                    | 8,682.5         | 471.2           | 8,693.8                       | 0.00                          | 0.00                         | 0.00                        |
| 21,800.0                    | 90.00              | 359.60         | 12,569.0                    | 8,782.5         | 470.5           | 8,793.7                       | 0.00                          | 0.00                         | 0.00                        |
| 21,900.0                    | 90.00              | 359.60         | 12,569.0                    | 8,882.5         | 469.8           | 8,893.6                       | 0.00                          | 0.00                         | 0.00                        |
| 22,000.0                    | 90.00              | 359.60         | 12,569.0                    | 8,982.5         | 469.1           | 8,993.5                       | 0.00                          | 0.00                         | 0.00                        |
| 22,100.0                    | 90.00              | 359.60         | 12,569.0                    | 9,082.5         | 468.4           | 9,093.5                       | 0.00                          | 0.00                         | 0.00                        |
| 22,200.0                    | 90.00              | 359.60         | 12,569.0                    | 9,182.5         | 467.7           | 9,193.4                       | 0.00                          | 0.00                         | 0.00                        |
| 22,300.0                    | 90.00              | 359.60         | 12,569.0                    | 9,282.5         | 467.0           | 9,293.3                       | 0.00                          | 0.00                         | 0.00                        |
| 22,400.0                    | 90.00              | 359.60         | 12,569.0                    | 9,382.5         | 466.3           | 9,393.2                       | 0.00                          | 0.00                         | 0.00                        |
| 22,500.0                    | 90.00              | 359.60         | 12,569.0                    | 9,482.5         | 465.6           | 9,493.1                       | 0.00                          | 0.00                         | 0.00                        |
| 22,600.0                    | 90.00              | 359.60         | 12,569.0                    | 9,582.5         | 464.9           | 9,593.0                       | 0.00                          | 0.00                         | 0.00                        |
| 22,700.0                    | 90.00              | 359.60         | 12,569.0                    | 9,682.5         | 464.2           | 9,692.9                       | 0.00                          | 0.00                         | 0.00                        |
| 22,800.0                    | 90.00              | 359.60         | 12,569.0                    | 9,782.5         | 463.6           | 9,792.8                       | 0.00                          | 0.00                         | 0.00                        |
| 22,900.0                    | 90.00              | 359.60         | 12,569.0                    | 9,882.5         | 462.9           | 9,892.7                       | 0.00                          | 0.00                         | 0.00                        |
| 23,000.0                    | 90.00              | 359.60         | 12,569.0                    | 9,982.5         | 462.2           | 9,992.6                       | 0.00                          | 0.00                         | 0.00                        |
| 23,100.0                    | 90.00              | 359.60         | 12,569.0                    | 10,082.5        | 461.5           | 10,092.5                      | 0.00                          | 0.00                         | 0.00                        |
| 23,200.0                    | 90.00              | 359.60         | 12,569.0                    | 10,182.5        | 460.8           | 10,192.5                      | 0.00                          | 0.00                         | 0.00                        |
| 23,300.0                    | 90.00              | 359.60         | 12,569.0                    | 10,282.5        | 460.1           | 10,292.4                      | 0.00                          | 0.00                         | 0.00                        |
| 23,400.0                    | 90.00              | 359.60         | 12,569.0                    | 10,382.5        | 459.4           | 10,392.3                      | 0.00                          | 0.00                         | 0.00                        |
| 23,500.0                    | 90.00              | 359.60         | 12,569.0                    | 10,482.5        | 458.7           | 10,492.2                      | 0.00                          | 0.00                         | 0.00                        |
| 23,600.0                    | 90.00              | 359.60         | 12,569.0                    | 10,582.5        | 458.0           | 10,592.1                      | 0.00                          | 0.00                         | 0.00                        |
| 23,700.0                    | 90.00              | 359.60         | 12,569.0                    | 10,682.5        | 457.3           | 10,692.0                      | 0.00                          | 0.00                         | 0.00                        |
| 23,800.0                    | 90.00              | 359.60         | 12,569.0                    | 10,782.5        | 456.6           | 10,791.9                      | 0.00                          | 0.00                         | 0.00                        |
| 23,900.0                    | 90.00              | 359.60         | 12,569.0                    | 10,882.5        | 455.9           | 10,891.8                      | 0.00                          | 0.00                         | 0.00                        |
| 24,000.0                    | 90.00              | 359.60         | 12,569.0                    | 10,982.5        | 455.2           | 10,991.7                      | 0.00                          | 0.00                         | 0.00                        |
| 24,100.0                    | 90.00              | 359.60         | 12,569.0                    | 11,082.5        | 454.5           | 11,091.6                      | 0.00                          | 0.00                         | 0.00                        |
| 24,200.0                    | 90.00              | 359.60         | 12,569.0                    | 11,182.5        | 453.8           | 11,191.6                      | 0.00                          | 0.00                         | 0.00                        |
| 24,300.0                    | 90.00              | 359.60         | 12,569.0                    | 11,282.5        | 453.1           | 11,291.5                      | 0.00                          | 0.00                         | 0.00                        |

## ConocoPhillips

## Planning Report

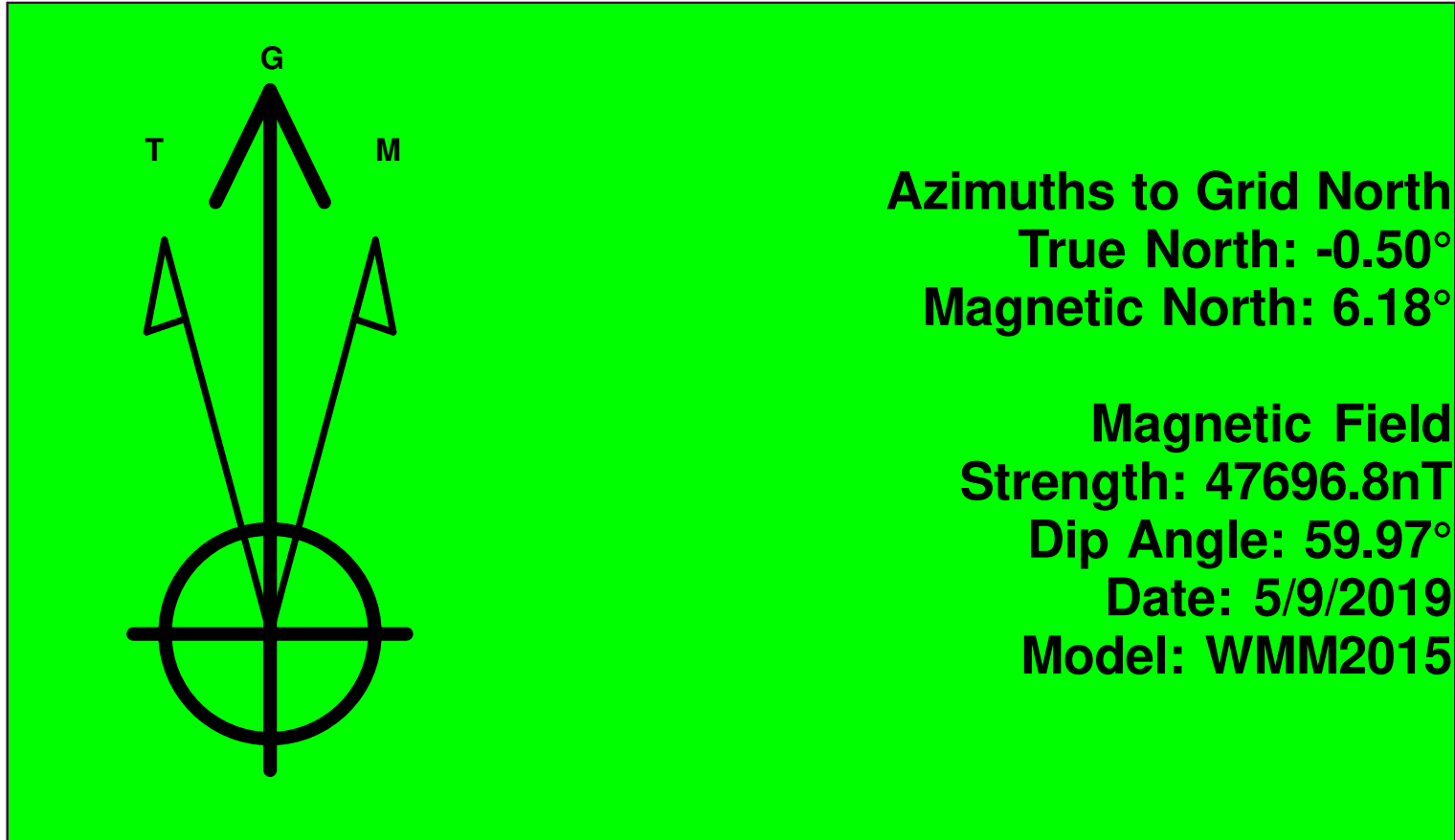
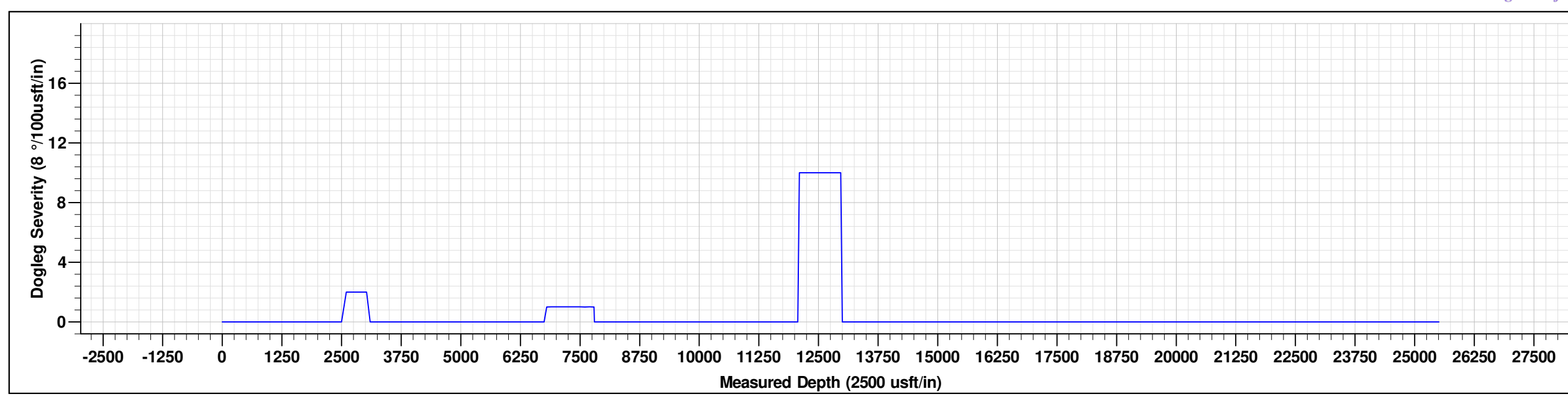
|                  |                                               |                                     |                                |
|------------------|-----------------------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | EDT 17 Central Planning Prod                  | <b>Local Co-ordinate Reference:</b> | Well DEERSTALKER FED COM #701H |
| <b>Company:</b>  | DELAWARE BASIN EAST                           | <b>TVD Reference:</b>               | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Project:</b>  | BULLDOG PROSPECT (NM-E)                       | <b>MD Reference:</b>                | KB=26' @ 3299.0usft (MCVAY 8)  |
| <b>Site:</b>     | DEERSTALKER FEDERAL PROJECT<br>(BULLDOG 2535) | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | DEERSTALKER FED COM #701H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | OWB                                           |                                     |                                |
| <b>Design:</b>   | PWP1                                          |                                     |                                |

| Planned Survey                        |                    |                |                             |                 |                 |                               |                               |                              |                             |
|---------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft)           | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 24,400.0                              | 90.00              | 359.60         | 12,569.0                    | 11,382.5        | 452.4           | 11,391.4                      | 0.00                          | 0.00                         | 0.00                        |
| 24,500.0                              | 90.00              | 359.60         | 12,569.0                    | 11,482.5        | 451.7           | 11,491.3                      | 0.00                          | 0.00                         | 0.00                        |
| 24,600.0                              | 90.00              | 359.60         | 12,569.0                    | 11,582.5        | 451.0           | 11,591.2                      | 0.00                          | 0.00                         | 0.00                        |
| 24,700.0                              | 90.00              | 359.60         | 12,569.0                    | 11,682.5        | 450.3           | 11,691.1                      | 0.00                          | 0.00                         | 0.00                        |
| 24,800.0                              | 90.00              | 359.60         | 12,569.0                    | 11,782.5        | 449.6           | 11,791.0                      | 0.00                          | 0.00                         | 0.00                        |
| 24,900.0                              | 90.00              | 359.60         | 12,569.0                    | 11,882.5        | 448.9           | 11,890.9                      | 0.00                          | 0.00                         | 0.00                        |
| 25,000.0                              | 90.00              | 359.60         | 12,569.0                    | 11,982.5        | 448.2           | 11,990.8                      | 0.00                          | 0.00                         | 0.00                        |
| 25,100.0                              | 90.00              | 359.60         | 12,569.0                    | 12,082.5        | 447.6           | 12,090.7                      | 0.00                          | 0.00                         | 0.00                        |
| 25,200.0                              | 90.00              | 359.60         | 12,569.0                    | 12,182.5        | 446.9           | 12,190.6                      | 0.00                          | 0.00                         | 0.00                        |
| 25,300.0                              | 90.00              | 359.60         | 12,569.0                    | 12,282.5        | 446.2           | 12,290.6                      | 0.00                          | 0.00                         | 0.00                        |
| 25,400.0                              | 90.00              | 359.60         | 12,569.0                    | 12,382.5        | 445.5           | 12,390.5                      | 0.00                          | 0.00                         | 0.00                        |
| 25,459.9                              | 90.00              | 359.60         | 12,569.0                    | 12,442.4        | 445.0           | 12,450.4                      | 0.00                          | 0.00                         | 0.00                        |
| LTP (DEERSTALKER FED COM #701H)       |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 25,467.9                              | 90.00              | 359.60         | 12,569.0                    | 12,450.4        | 445.0           | 12,458.4                      | 0.00                          | 0.00                         | 0.00                        |
| 701H TAKE PT BNDRY Exit at 25467.9 MD |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 25,509.8                              | 90.00              | 359.60         | 12,569.0                    | 12,492.3        | 444.7           | 12,500.2                      | 0.00                          | 0.00                         | 0.00                        |
| PBHL (DEERSTALKER FED COM #701H)      |                    |                |                             |                 |                 |                               |                               |                              |                             |

| Design Targets                                                                                                                               |                  |                 |               |                 |                 |                    |                   |                  |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|------------------|------------------|
| Target Name<br>- hit/miss target<br>- Shape                                                                                                  | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude         | Longitude        |
| PBHL (DEERSTALKER<br>- plan hits target center<br>- Rectangle (sides W100.0 H13,073.0 D20.0)                                                 | 0.00             | 179.60          | 12,569.0      | 12,492.3        | 444.7           | 428,216.70         | 793,828.90        | 32° 10' 25.392 N | 103° 23' 1.342 W |
| LTP (DEERSTALKER FI<br>- plan hits target center<br>- Point                                                                                  | 0.00             | 0.01            | 12,569.0      | 12,442.4        | 445.0           | 428,166.80         | 793,829.20        | 32° 10' 24.899 N | 103° 23' 1.344 W |
| FTP (DEERSTALKER FI<br>- plan misses target center by 206.8usft at 12545.5usft MD (12420.7 TVD, -434.7 N, 534.6 E)<br>- Circle (radius 50.0) | 0.00             | 0.00            | 12,569.0      | -578.9          | 535.0           | 415,145.50         | 793,919.20        | 32° 8' 16.043 N  | 103° 23' 1.633 W |

| Plan Annotations            |                             |                   |                 |                                        |  |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------------------------|--|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 |                                        |  |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) | Comment                                |  |
| 6,980.0                     | 6,911.6                     | -579.2            | 498.2           | 701H TAKE PT BNDRY Exit at 6980.0 MD   |  |
| 12,294.0                    | 12,217.0                    | -578.8            | 535.6           | 701H TAKE PT BNDRY Entry at 12294.0 MD |  |
| 25,467.9                    | 12,569.0                    | 12,450.4          | 445.0           | 701H TAKE PT BNDRY Exit at 25467.9 MD  |  |

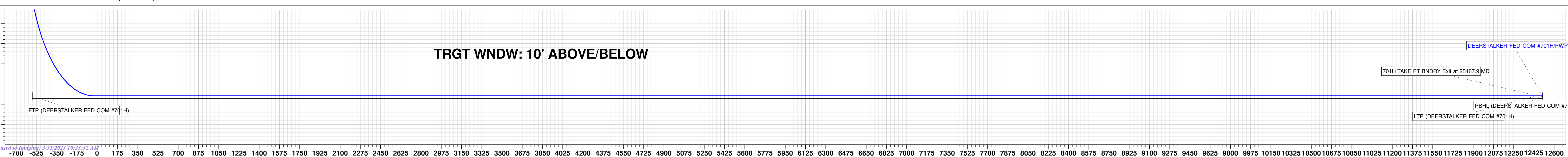
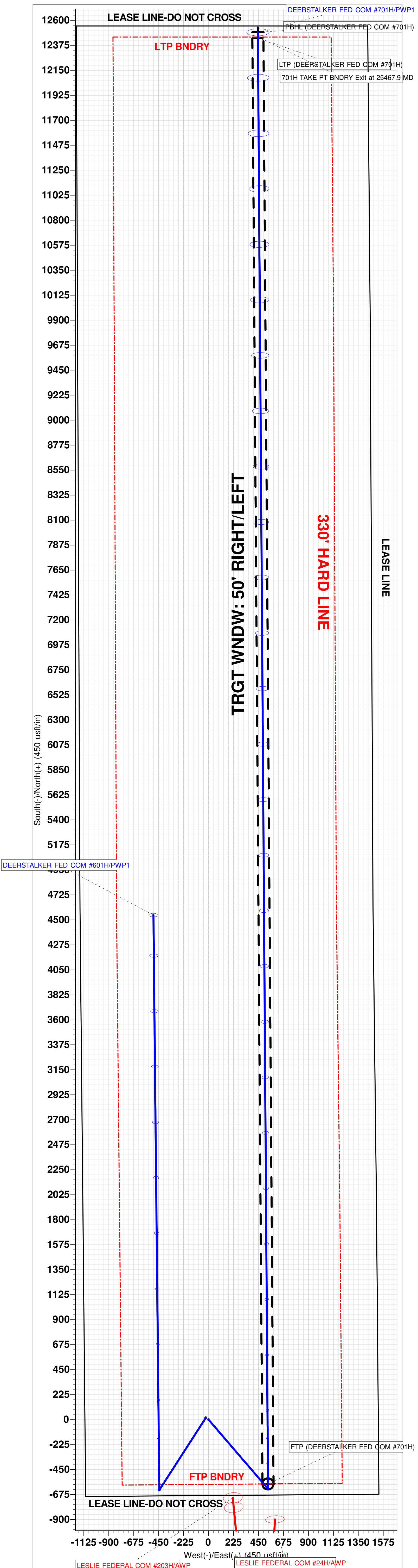
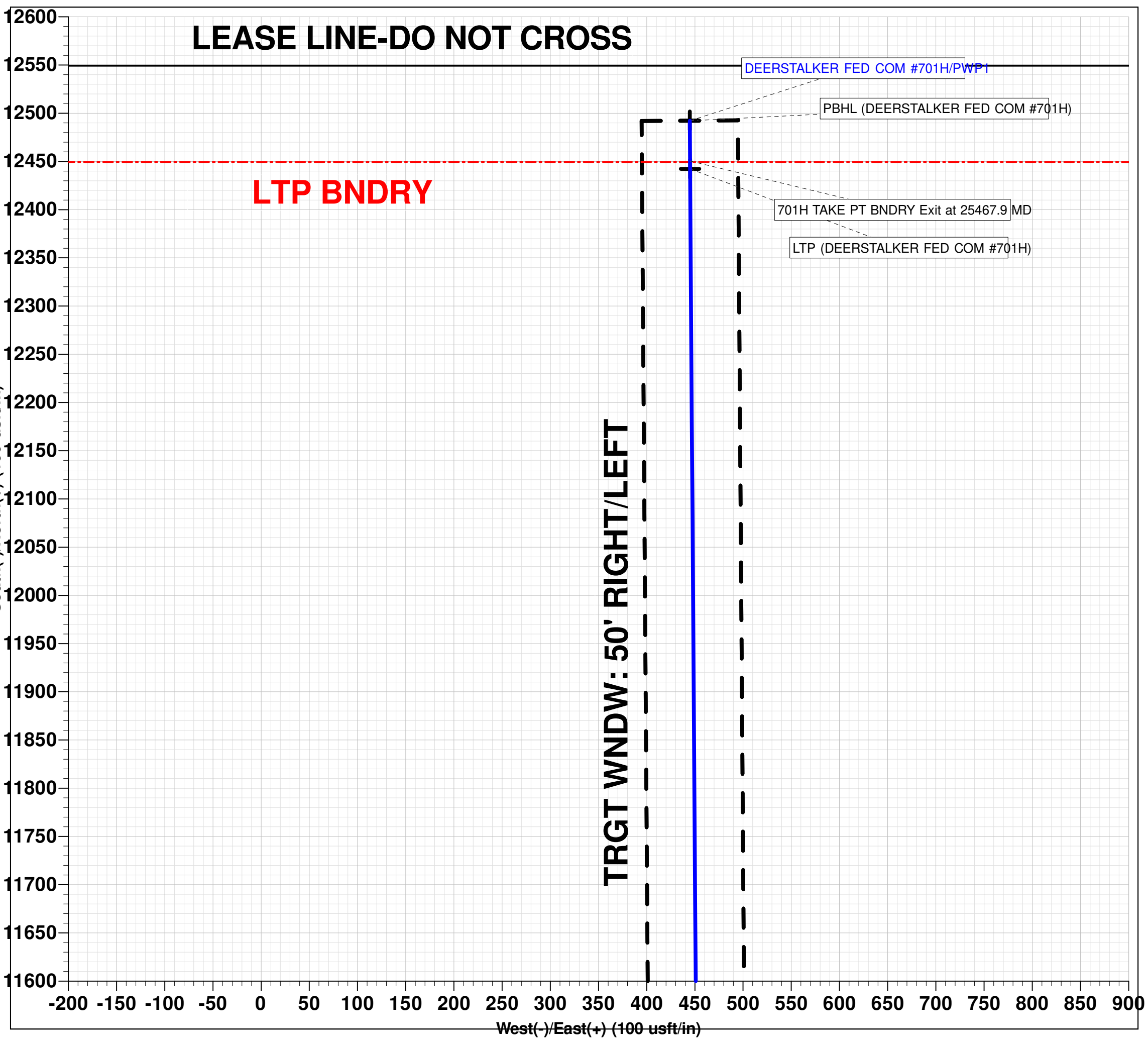
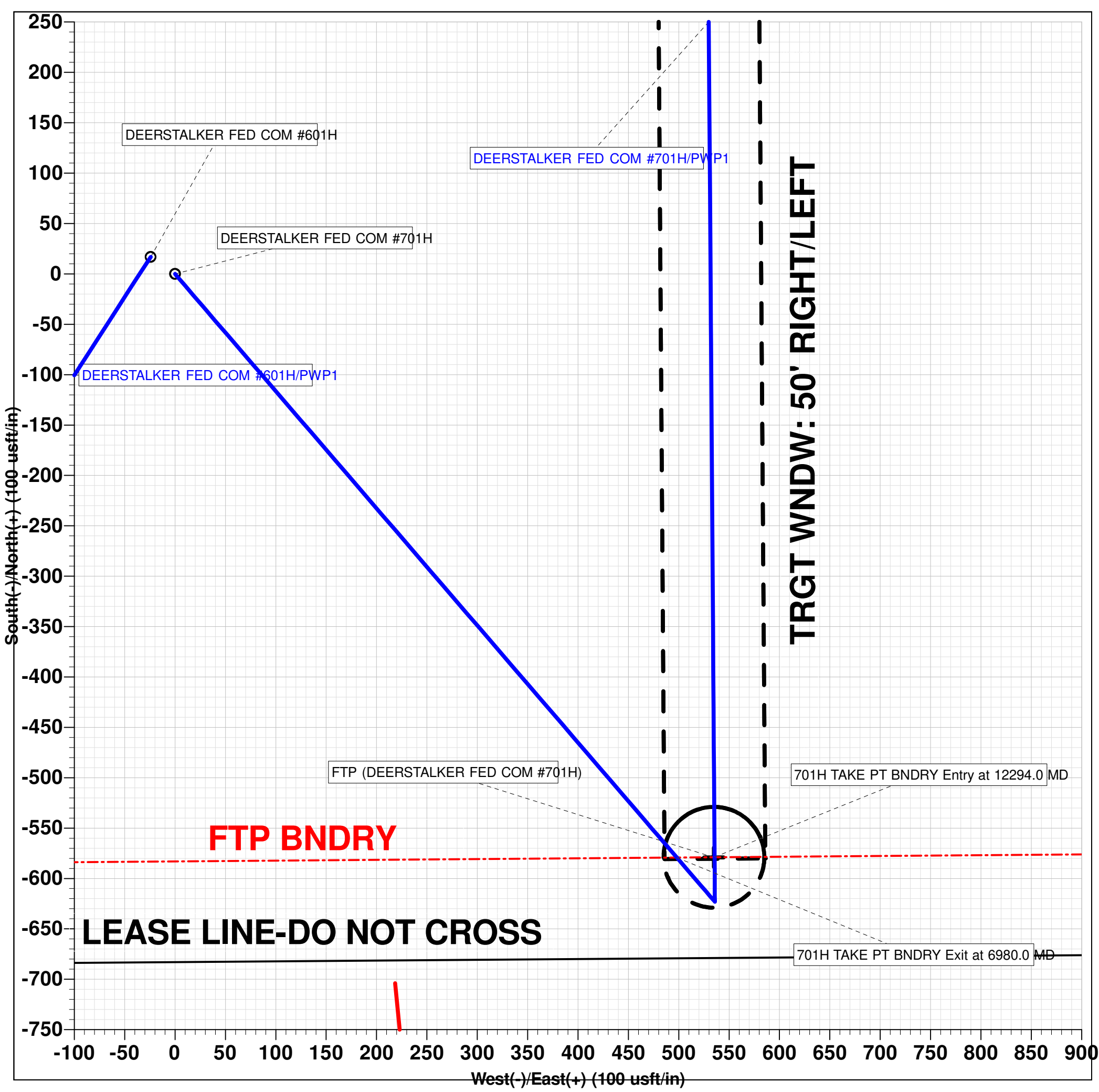
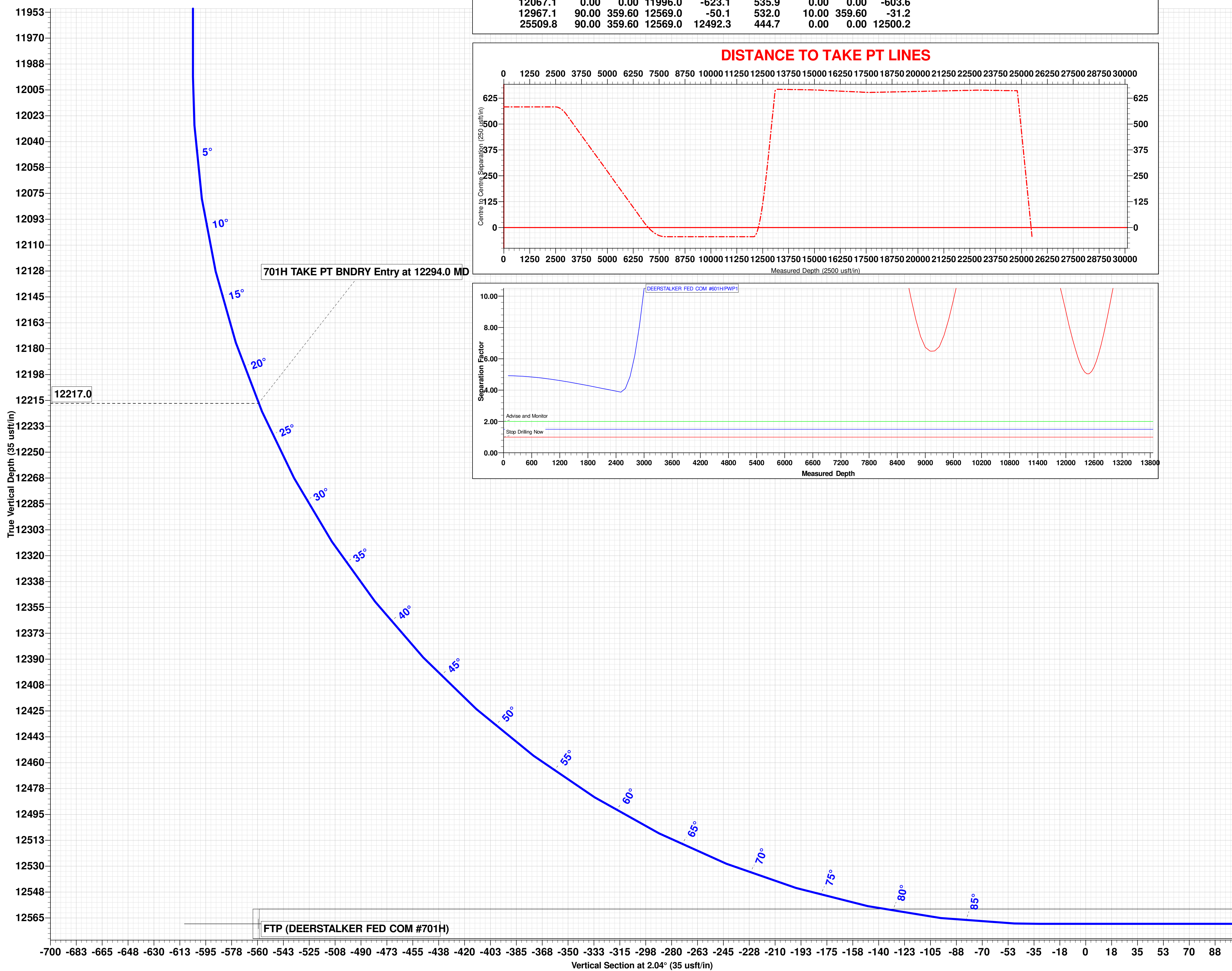
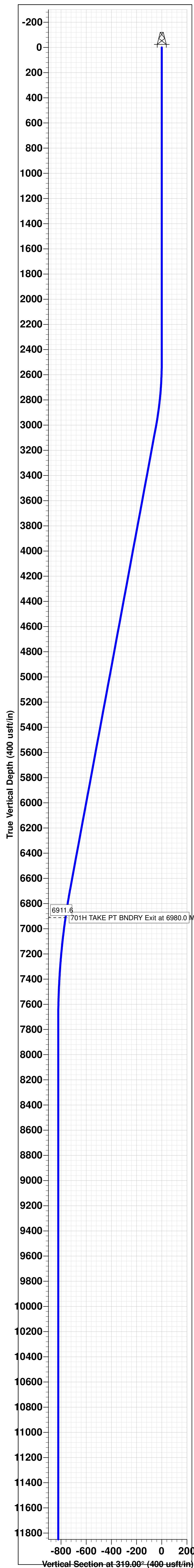
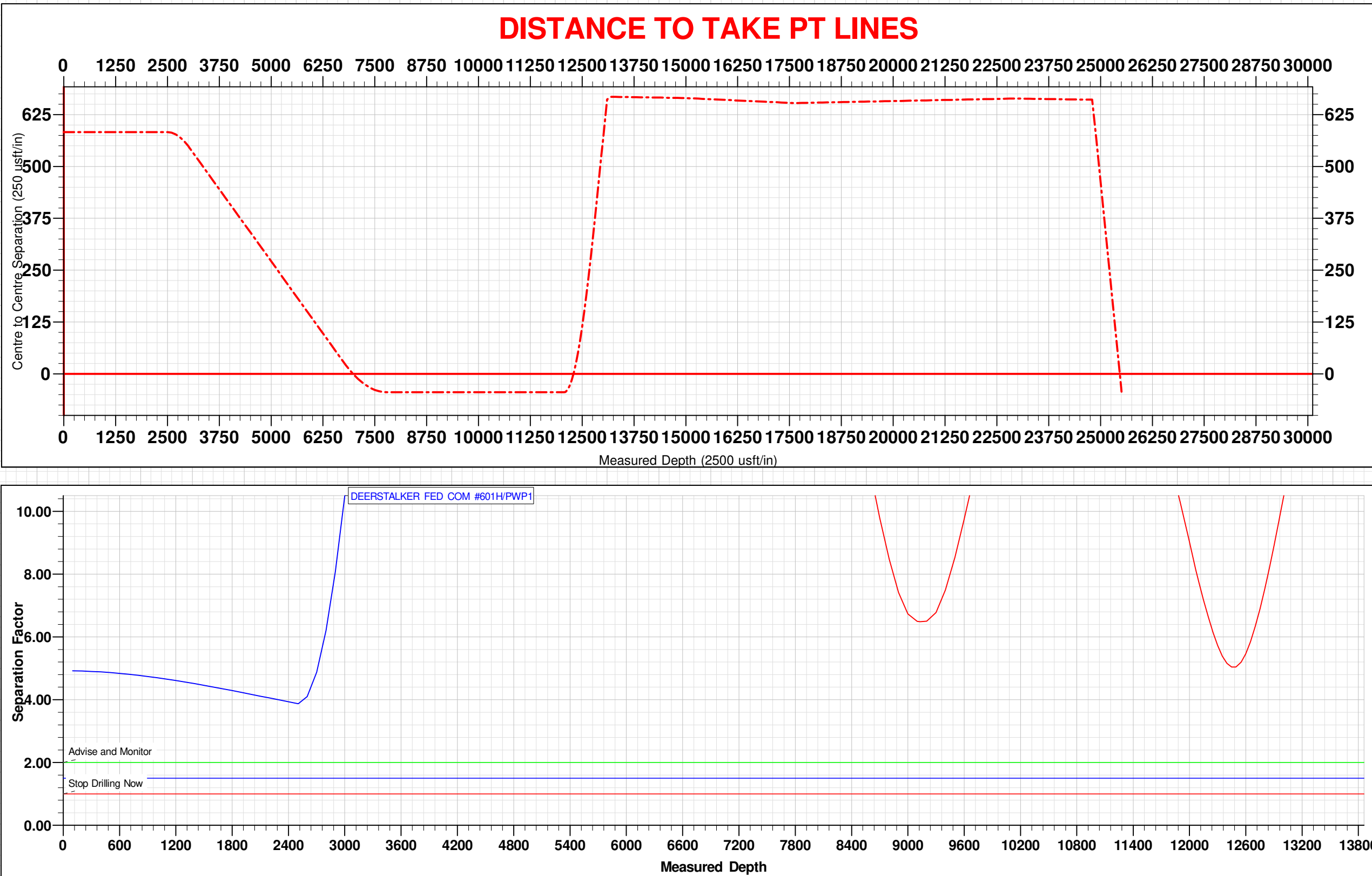
Project: BULLDOG PROSPECT (NM-E)  
Site: DEERSTALKER FEDERAL PROJECT (BULLDOG 2535)  
Well: DEERSTALKER FED COM #701H  
Wellbore: OWB  
Design: PWP1  
GL: 3273.0  
KB=26' @ 3299.0usft (MCVAY 8)



| WELL DETAILS: DEERSTALKER FED COM #701H |       |           |           |                 |                  |  |
|-----------------------------------------|-------|-----------|-----------|-----------------|------------------|--|
| +N/-S                                   | +E/-W | Northing  | Easting   | Latitude        | Longitude        |  |
| 0.0                                     | 0.0   | 415724.40 | 793384.20 | 32° 8' 21.818 N | 103° 23' 7.795 W |  |

| DESIGN TARGET DETAILS            |         |         |       |           |           |  |
|----------------------------------|---------|---------|-------|-----------|-----------|--|
| Name                             | TVD     | +N/-S   | +E/-W | Northing  | Easting   |  |
| FTP (DEERSTALKER FED COM #701H)  | 12569.0 | -578.9  | 535.0 | 415145.50 | 793819.20 |  |
| LTP (DEERSTALKER FED COM #701H)  | 12569.0 | 12442.4 | 445.0 | 428166.80 | 793829.20 |  |
| PBHL (DEERSTALKER FED COM #701H) | 12569.0 | 12492.3 | 444.7 | 428216.70 | 793828.90 |  |

| DEERSTALKER FED COM #701H |       |        |         |         |       |       |        |         |            |
|---------------------------|-------|--------|---------|---------|-------|-------|--------|---------|------------|
| MD                        | Inc   | Azi    | TVD     | +N/-S   | +E/-W | Dleg  | TFace  | VSec    | 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     |            |
| 3025.0                    | 10.50 | 139.30 | 3022.1  | -36.4   | 31.3  | 2.00  | 139.30 | -35.2   |            |
| 6745.2                    | 10.50 | 139.30 | 6680.0  | -550.4  | 473.4 | 0.00  | 0.00   | -533.2  |            |
| 7795.2                    | 0.00  | 0.00   | 7724.1  | -623.1  | 535.9 | 1.00  | 180.00 | -603.6  |            |
| 12067.1                   | 0.00  | 0.00   | 11996.0 | -623.1  | 535.9 | 0.00  | 0.00   | -603.6  |            |
| 12967.1                   | 90.00 | 359.60 | 12569.0 | -50.1   | 532.0 | 10.00 | 359.60 | -31.2   |            |
| 25509.8                   | 90.00 | 359.60 | 12569.0 | 12492.3 | 444.7 | 0.00  | 0.00   | 12500.2 |            |



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

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

CONDITIONS  
  
Action 200925

CONDITIONS

|                                                                           |                                                      |
|---------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137                                     |
|                                                                           | Action Number:<br>200925                             |
|                                                                           | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| pkautz     | None      | 3/31/2023      |