

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM100555

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

2. Name of Operator
COG OPERATING LLC

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

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 31/T25S/R29E/NMP

7. If Unit of CA/Agreement, Name and/or No.
WILD THING FEDERAL COM/NMNM106701829

8. Well Name and No.
WILD THING FEDERAL COM/504H

9. API Well No. 3001556224

10. Field and Pool or Exploratory Area
ROCK SPUR/BONE SPRING

11. Country or Parish, State
EDDY/NM

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

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

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

COG Operating LLC, respectfully requests approval for the following changes to original approved APD.

API # 30-015-56224
APD ID #10400094161

BHL Changes:
From: 2590' FSL & 1450' FEL Section 19. T25S. R29E.
To: 2590' FSL & 1428' FEL Section 19. T25S. R29E.
C102 attached.

Drilling Changes:
Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) MAYTE REYES / Ph: (281) 293-1000	Title Regulatory Analyst
Signature (Electronic Submission)	Date 10/01/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by ZOTA M STEVENS / Ph: (575) 234-5998 / Approved	Title Petroleum Engineer	Date 10/01/2025
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

See attached: Drilling program, directional plan, AC report and Tenaris data sheet attached.

Location of Well

0. SHL: SESW / 270 FSL / 2035 FWL / TWSP: 25S / RANGE: 29E / SECTION: 31 / LAT: 32.079687 / LONG: -104.025554 (TVD: 0 feet, MD: 0 feet)

PPP: LOT 4 / 100 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 31 / LAT: 32.079219 / LONG: -104.031059 (TVD: 8217 feet, MD: 8448 feet)

PPP: LOT 4 / 1 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 30 / LAT: 32.09358 / LONG: -104.031067 (TVD: 8375 feet, MD: 13407 feet)

BHL: LOT 3 / 2590 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 19 / LAT: 32.115326 / LONG: -104.031172 (TVD: 8375 feet, MD: 21417 feet)

CONFIDENTIAL

Well Name: WILD THING FEDERAL COM	Well Location: T25S / R29E / SEC 31 / SESW / 32.079687 / -104.025554	County or Parish/State: EDDY / NM
Well Number: 504H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM100555	Unit or CA Name: WILD THING FEDERAL COM	Unit or CA Number: NMNM106701829
US Well Number: 3001556224	Operator: COG OPERATING LLC	

Notice of Intent

Sundry ID: 2876673

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/01/2025	Time Sundry Submitted: 01:53
Date proposed operation will begin: 10/01/2025	

Procedure Description: COG Operating LLC, respectfully requests approval for the following changes to original approved APD. API # 30-015-56224 APD ID #10400094161 BHL Changes: From: 2590' FSL & 1450' FEL Section 19. T25S. R29E. To: 2590' FSL & 1428' FEL Section 19. T25S. R29E. C102 attached. Drilling Changes: See attached: Drilling program, directional plan, AC report and Tenaris data sheet attached.

NOI Attachments

Procedure Description

- COG_Wild_Thing_Federal_Com_501H_Updated_C102_WL_20251001135327.pdf
- Tenaris_Data_Sheets___3_String___BSS___State_Line___20___P110_ICY_Prod_20251001135119.pdf
- COG_Wild_Thing_Federal_Com_501H_Updated_C102_CC_20251001134912.pdf
- WILD_THING_FEDERAL_COM_501H_PWP0_AC_RPT_20251001134912.pdf
- COG_Wild_Thing_Federal_Com_501H_Drilling_Program_20251001134912.pdf
- WILD_THING_FEDERAL_COM_501H_PWP0_PLAN_RPT_20251001134911.pdf
- WILD_THING_FEDERAL_COM_501H_WPlot_20251001134910.pdf

Received by OCD: 10/15/2025 2:05:01 PM

Page 5 of 74

Well Name: WILD THING FEDERAL COM	Well Location: T25S / R29E / SEC 31 / SESW / 32.079687 / -104.025554	County or Parish/State: EDDY / NM
Well Number: 504H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM100555	Unit or CA Name: WILD THING FEDERAL COM	Unit or CA Number: NMNM106701829
US Well Number: 3001556224	Operator: COG OPERATING LLC	

Conditions of Approval

Specialist Review

Wild_Thing_Fed_Com_504H_COA_20251001153450.pdf

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: OCT 01, 2025 01:48 PM
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: Robyn Russell	
Street Address: 600 W. Illinois Ave.	
City: Midland	State: TX
Phone: (432)685-4385	Zip: 79701
Email address: robyn.m.russell@cop.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: 10/01/2025
Signature: Zota Stevens	

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

WELL LOCATION INFORMATION

API Number 30-015-56224	Pool Code 52775	Pool Name Rock Spur; Bone Spring
Property Code	Property Name WILD THING FEDERAL COM	Well Number 504H
OGRID No. 229137	Operator Name COG OPERATING LLC	Ground Level Elevation 2,920.50'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL N	Section 31	Township 25S	Range 29E	Lot	Ft. from N/S 270' FSL	Ft. from E/W 2,035' FWL	Latitude 32.079687°	Longitude -104.025554°	County EDDY
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Bottom Hole Location

UL	Section 19	Township 25S	Range 29E	Lot LOT 3	Ft. from N/S 2,590' FSL	Ft. from E/W 330' FWL	Latitude 32.115326°	Longitude -104.031172°	County EDDY
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Dedicated Acres 1281.28	Infill or Defining Well Infill	Defining Well API 30-015-56223	Overlapping Spacing Unit (Y/N) Y	Consolidation Code N/A
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section 6	Township 26S	Range 29E	Lot LOT 1	Ft. from N/S 377' FNL	Ft. from E/W 330' FWL	Latitude 32.077908°	Longitude -104.031053°	County EDDY
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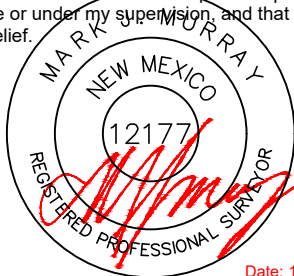
First Take Point (FTP)

UL	Section 31	Township 25S	Range 29E	Lot LOT 4	Ft. from N/S 100' FSL	Ft. from E/W 330' FWL	Latitude 32.079219°	Longitude -104.031059°	County EDDY
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Last Take Point (LTP)

UL	Section 19	Township 25S	Range 29E	Lot LOT 3	Ft. from N/S 2,540' FSL	Ft. from E/W 330' FWL	Latitude 32.115188°	Longitude -104.031170°	County EDDY
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Unitized Area or Area of Uniform Interest COM	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 2,920.50'
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OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.		SURVEYOR CERTIFICATIONS 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.  Date: 10/2/2025	
Signature Mayte Reyes	Date 10/2/2025	Signature and Seal of Professional Surveyor	
Printed Name Mayte Reyes	Certificate Number 12177	Date of Survey 10/2/2025	Revision Number 1
Email Address mayte.x.reyes@conocophillips.com			

Note: 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.

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

BOTTOM HOLE LOCATION
2,590' FSL & 330' FWL

NAD 83 X = 634,886.57'
NAD 83 Y = 405,822.90'
NAD 83 LAT = 32.115326°
NAD 83 LONG = -104.031172°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
A	IRON PIPE W/ BRASS CAP N:408,491.76' E:634,527.03'
B	IRON PIPE W/ BRASS CAP N:408,550.32' E:637,176.91'
C	IRON PIPE W/ BRASS CAP N:408,608.72' E:639,842.20'
D	IRON PIPE W/ BRASS CAP N:405,945.03' E:639,817.52'
E	IRON PIPE W/ BRASS CAP N:403,301.58' E:639,837.28'
F	IRON PIPE W/ BRASS CAP N:403,265.40' E:637,216.41'
G	IRON PIPE W/ BRASS CAP N:403,228.52' E:634,593.72'
H	IRON PIPE W/ BRASS CAP N:405,833.10' E:634,556.38'
I	IRON PIPE W/ BRASS CAP N:400,627.62' E:639,886.49'
J	IRON PIPE W/ BRASS CAP N:397,952.39' E:639,935.36'
K	IRON PIPE W/ BRASS CAP N:397,931.36' E:637,278.26'
L	IRON PIPE W/ BRASS CAP N:397,909.72' E:634,611.48'
M	IRON PIPE W/ BRASS CAP N:400,566.94' E:634,605.07'
N	IRON PIPE W/ BRASS CAP N:395,278.43' E:639,928.06'
O	IRON PIPE W/ BRASS CAP N:392,602.51' E:639,919.75'
P	IRON PIPE W/ BRASS CAP N:392,595.01' E:637,274.88'
Q	IRON PIPE W/ BRASS CAP N:392,587.40' E:634,628.88'
R	IRON PIPE W/ BRASS CAP N:395,253.80' E:634,619.28'

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

WELL LOCATION INFORMATION

API Number 30-015-56224	Pool Code 96217	Pool Name Willow Lake; Bone Spring, Southeast
Property Code	Property Name WILD THING FEDERAL COM	Well Number 504H
OGRID No. 229137	Operator Name COG OPERATING LLC	Ground Level Elevation 2,920.50'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	31	25S	29E		270' FSL	2,035' FWL	32.079687°	-104.025554°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	19	25S	29E	LOT 3	2,590' FSL	330' FWL	32.115326°	-104.031172°	EDDY

Dedicated Acres 319.77	Infill or Defining Well Infill	Defining Well API 30-015-56223	Overlapping Spacing Unit (Y/N) Y	Consolidation Code N/A
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	6	26S	29E	LOT 1	377' FNL	330' FWL	32.077908°	-104.031053°	EDDY

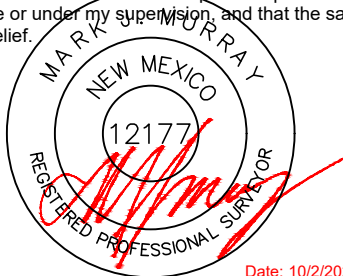
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	31	25S	29E	LOT 4	100' FSL	330' FWL	32.079219°	-104.031059°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	19	25S	29E	LOT 3	2,540' FSL	330' FWL	32.115188°	-104.031170°	EDDY

Unitized Area or Area of Uniform Interest COM	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 2,920.50'
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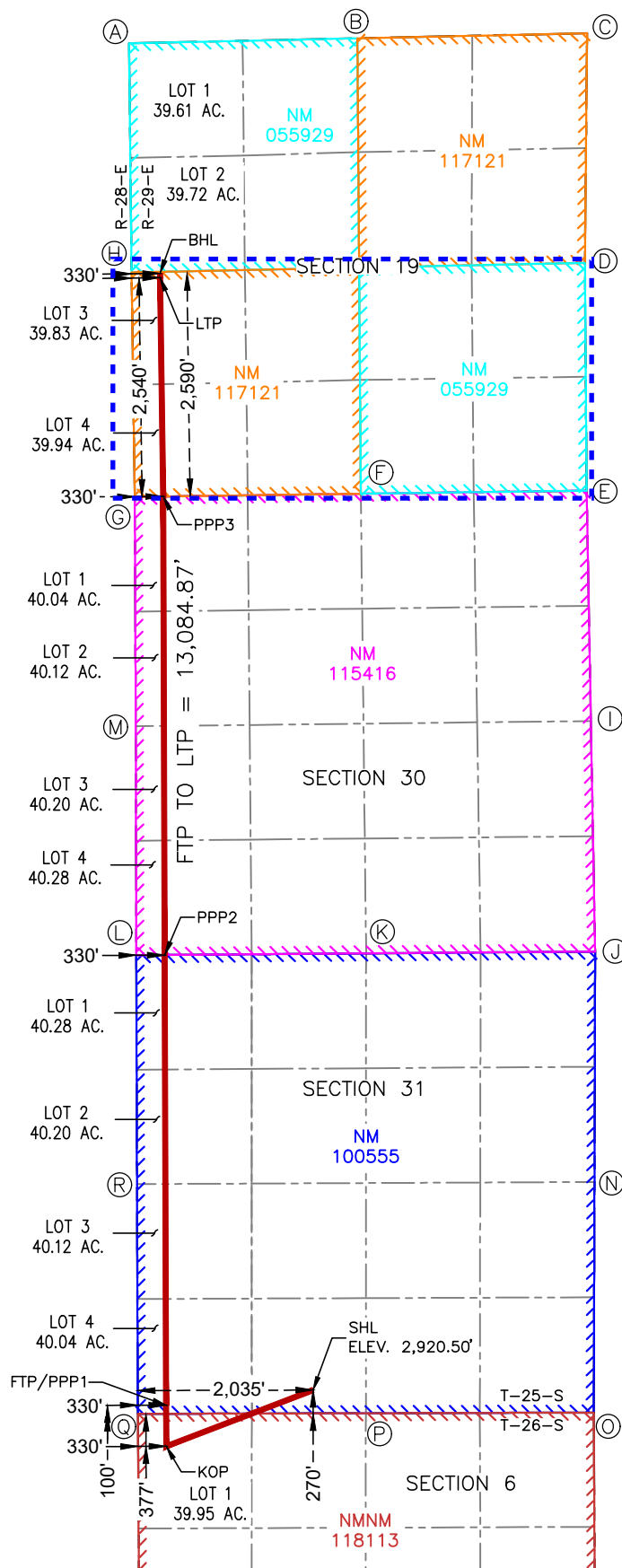
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.		SURVEYOR CERTIFICATIONS 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.	
Signature Mayte Reyes		Signature and Seal of Professional Surveyor 	
Date 10/2/2025		Date: 10/2/2025	
Printed Name Mayte Reyes		Certificate Number 12177	Date of Survey 10/2/2025
Email Address mayte.x.reyes@conocophillips.com		Revision Number 1	

Note: 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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



SURFACE HOLE LOCATION
 270' FSL & 2,035' FWL
 ELEV. = 2,920.50'
 NAD 83 X = 636,662.90'
 NAD 83 Y = 392,863.25'
 NAD 83 LAT = 32.079687°
 NAD 83 LONG = -104.025554°

KICK-OFF POINT
 377' FNL & 330' FWL
 NAD 83 X = 634,961.62'
 NAD 83 Y = 392,211.35'
 NAD 83 LAT = 32.077908°
 NAD 83 LONG = -104.031053°

FIRST TAKE POINT & PENETRATION POINT 1
 100' FSL & 330' FWL
 NAD 83 X = 634,958.52'
 NAD 83 Y = 392,688.35'
 NAD 83 LAT = 32.079219°
 NAD 83 LONG = -104.031059°

PENETRATION POINT 2
 0' FSL & 330' FWL
 NAD 83 X = 634,941.47'
 NAD 83 Y = 397,912.40'
 NAD 83 LAT = 32.093580°
 NAD 83 LONG = -104.031067°

PENETRATION POINT 3
 0' FSL & 330' FWL
 NAD 83 X = 634,923.53'
 NAD 83 Y = 403,233.16'
 NAD 83 LAT = 32.108207°
 NAD 83 LONG = -104.031076°

LAST TAKE POINT
 2,540' FSL & 330' FWL
 NAD 83 X = 634,887.28'
 NAD 83 Y = 405,772.90'
 NAD 83 LAT = 32.115188°
 NAD 83 LONG = -104.031170°

BOTTOM HOLE LOCATION
 2,590' FSL & 330' FWL
 NAD 83 X = 634,886.57'
 NAD 83 Y = 405,822.90'
 NAD 83 LAT = 32.115326°
 NAD 83 LONG = -104.031172°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
A	IRON PIPE W/ BRASS CAP N:408,491.76' E:634,527.03'
B	IRON PIPE W/ BRASS CAP N:408,550.32' E:637,176.91'
C	IRON PIPE W/ BRASS CAP N:408,608.72' E:639,842.20'
D	IRON PIPE W/ BRASS CAP N:405,945.03' E:639,817.52'
E	IRON PIPE W/ BRASS CAP N:403,301.58' E:639,837.28'
F	IRON PIPE W/ BRASS CAP N:403,265.40' E:637,216.41'
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I	IRON PIPE W/ BRASS CAP N:400,627.62' E:639,886.49'
J	IRON PIPE W/ BRASS CAP N:397,952.39' E:639,935.36'
K	IRON PIPE W/ BRASS CAP N:397,931.36' E:637,278.26'
L	IRON PIPE W/ BRASS CAP N:397,909.72' E:634,611.48'
M	IRON PIPE W/ BRASS CAP N:400,566.94' E:634,605.07'
N	IRON PIPE W/ BRASS CAP N:395,278.43' E:639,928.06'
O	IRON PIPE W/ BRASS CAP N:392,602.51' E:639,919.75'
P	IRON PIPE W/ BRASS CAP N:392,595.01' E:637,274.88'
Q	IRON PIPE W/ BRASS CAP N:392,587.40' E:634,628.88'
R	IRON PIPE W/ BRASS CAP N:395,253.80' E:634,619.28'



TXP® BTC



Coupling	Pipe Body
Grade: J55 (Casing)	Grade: J55 (Casing)
Body: Bright Green	1st Band: Bright Green
1st Band: White	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	13.375 in.	Wall Thickness	0.380 in.	Grade	J55 (Casing)
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry		Performance	
Nominal OD	13.375 in.	Wall Thickness	0.380 in.
Nominal Weight	54.50 lb/ft	Plain End Weight	52.79 lb/ft
Drift	12.459 in.	OD Tolerance	API
Nominal ID	12.615 in.		
		Body Yield Strength	853 x1000 lb
		Min. Internal Yield Pressure	2730 psi
		SMYS	55,000 psi
		Collapse Pressure	1130 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	14.375 in.	Tension Efficiency	100 %	Minimum	21,610 ft-lb
Coupling Length	10.825 in.	Joint Yield Strength	853 x1000 lb	Optimum	24,010 ft-lb
Connection ID	12.603 in.	Internal Pressure Capacity	2730 psi	Maximum	26,410 ft-lb
Make-up Loss	4.891 in.	Compression Efficiency	100 %		
Threads per inch	5	Compression Strength	853 x1000 lb	Operation Limit Torques	
Connection OD Option	Regular	Max. Allowable Bending	19 °/100 ft	Operating Torque	54,300 ft-lb
		External Pressure Capacity	1130 psi	Yield Torque	68,700 ft-lb

Notes

This connection is fully interchangeable with:
TXP® BTC - 13.375 in. - 0.43 (61.00) / 0.48 (68.00) / 0.514 (72.00) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version
Datasheet is also valid for Special Bevel option when applicable - except for Coupling Face Load, which will be reduced. Please contact a local Tennis technical sales representative.
Standard coupling design comes with optimized 20° bevel.

For the latest performance data, always visit our website: www.tennis.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tennis.com

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TXP® BTC



Coupling	Pipe Body
Grade: L80-IC	Grade: L80-IC
Body: Red	1st Band: Red
1st Band: Brown	2nd Band: Brown
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	9.625 in.	Wall Thickness	0.395 in.	Grade	L80-IC
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry		Performance	
Nominal OD	9.625 in.	Wall Thickness	0.395 in.
Nominal Weight	40.00 lb/ft	Plain End Weight	38.97 lb/ft
Drift	8.679 in.	OD Tolerance	API
Nominal ID	8.835 in.		
		Body Yield Strength	916 x1000 lb
		Min. Internal Yield Pressure	5750 psi
		SMYS	80,000 psi
		Collapse Pressure	3870 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	10.625 in.	Tension Efficiency	100 %	Minimum	18,860 ft-lb
Coupling Length	10.825 in.	Joint Yield Strength	916 x1000 lb	Optimum	20,960 ft-lb
Connection ID	8.823 in.	Internal Pressure Capacity	5750 psi	Maximum	23,060 ft-lb
Make-up Loss	4.891 in.	Compression Efficiency	100 %		
Threads per inch	5	Compression Strength	916 x1000 lb	Operation Limit Torques	
Connection OD Option	Regular	Max. Allowable Bending	38 °/100 ft	Operating Torque	35,600 ft-lb
		External Pressure Capacity	3870 psi	Yield Torque	43,400 ft-lb

Notes

This connection is fully interchangeable with:
TXP® BTC - 9.625 in. - 0.352 (36.00) / 0.435 (43.50) / 0.472 (47.00) / 0.545 (53.50) / 0.595 (58.40) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version
Datasheet is also valid for Special Bevel option when applicable - except for Coupling Face Load, which will be reduced. Please contact a local Tenaris technical sales representative.
Standard coupling design comes with optimized 20° bevel.

For the latest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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TXP® BTC



Coupling	Pipe Body
Grade: P1104CY	Grade: P110-ICY
Body: White	1st Band: White
1st Band: Pale Green	2nd Band: Pale Green
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-ICY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry		Performance	
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		
		Body Yield Strength	729 x1000 lb
		Min. Internal Yield Pressure	14,360 psi
		SMYS	125,000 psi
		Collapse Pressure	12,300 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.100 in.	Tension Efficiency	100 %	Minimum	11,540 ft-lb
Coupling Length	9.450 in.	Joint Yield Strength	729 x1000 lb	Optimum	12,820 ft-lb
Connection ID	4.766 in.	Internal Pressure Capacity	14,360 psi	Maximum	14,100 ft-lb
Make-up Loss	4.204 in.	Compression Efficiency	100 %		
Threads per inch	5	Compression Strength	729 x1000 lb	Operation Limit Torques	
Connection OD Option	Regular	Max. Allowable Bending	104 °/100 ft	Operating Torque	22,700 ft-lb
		External Pressure Capacity	12,300 psi	Yield Torque	25,250 ft-lb
		Coupling Face Load	343,000 lb		

Notes

This connection is fully interchangeable with:
TXP® BTC - 5.5 in. - 0.275 (15.50) / 0.304 (17.00) / 0.415 (23.00) / 0.476 (26.00) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version
Datasheet is also valid for Special Bevel option when applicable - except for Coupling Face Load, which will be reduced. Please contact a local Tenaris technical sales representative.
Standard coupling design comes with optimized 20° bevel.

For the latest performance data, always visit our website: www.tenaris.com
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Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM100555

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
COG OPERATING LLC

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

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 31/T25S/R29E/NMP

7. If Unit of CA/Agreement, Name and/or No.
WILD THING FEDERAL COM/NMNM106701829

8. Well Name and No.
WILD THING FEDERAL COM/504H

9. API Well No. 3001556224

10. Field and Pool or Exploratory Area
ROCK SPUR/BONE SPRING

11. Country or Parish, State
EDDY/NM

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

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

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

COG Operating LLC, respectfully requests approval for the following changes to original approved APD.

API # 30-015-56224
APD ID #10400094161

BHL Changes:
From: 2590' FSL & 1450' FEL Section 19. T25S. R29E.
To: 2590' FSL & 1428' FEL Section 19. T25S. R29E.
C102 attached.

Drilling Changes:
Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) MAYTE REYES / Ph: (281) 293-1000	Title Regulatory Analyst
(Electronic Submission) Signature	Date 10/01/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by ZOTA M STEVENS / Ph: (575) 234-5998 / Approved	Title Petroleum Engineer	Date 10/01/2025
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

See attached: Drilling program, directional plan, AC report and Tenaris data sheet attached.

Location of Well

0. SHL: SESW / 270 FSL / 2035 FWL / TWSP: 25S / RANGE: 29E / SECTION: 31 / LAT: 32.079687 / LONG: -104.025554 (TVD: 0 feet, MD: 0 feet)

PPP: LOT 4 / 100 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 31 / LAT: 32.079219 / LONG: -104.031059 (TVD: 8217 feet, MD: 8448 feet)

PPP: LOT 4 / 1 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 30 / LAT: 32.09358 / LONG: -104.031067 (TVD: 8375 feet, MD: 13407 feet)

BHL: LOT 3 / 2590 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 19 / LAT: 32.115326 / LONG: -104.031172 (TVD: 8375 feet, MD: 21417 feet)

CONFIDENTIAL

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)

WTF COM PROJECT

_WILD THING FED COM 504H

OWB

PWP0

Anticollision Report

30 June, 2025

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	6/30/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	1,000.0	PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Cor	
8,213.7	22,081.6	PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correc	

Summary						
	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Site Name Offset Well - Wellbore - Design						
PUDGE FED COM PROJECT						
_PUDGE FEDERAL COM 500H - OWB - PWP0	800.0	837.0	531.5	523.8	68.206 CC, ES	
_PUDGE FEDERAL COM 500H - OWB - PWP0	1,300.0	1,312.0	576.8	567.2	60.032 SF	
_PUDGE FEDERAL COM 501H - OWB - PWP0	800.0	837.0	512.3	504.5	65.700 CC, ES	
_PUDGE FEDERAL COM 501H - OWB - PWP0	1,400.0	1,440.6	563.8	553.9	56.805 SF	
_PUDGE FEDERAL COM 701H - OWB - PWP0	800.0	834.0	409.4	401.7	52.995 CC, ES	
_PUDGE FEDERAL COM 701H - OWB - PWP0	1,200.0	1,200.0	443.8	434.3	46.881 SF	
_PUDGE FEDERAL COM 702H - OWB - PWP0	800.0	834.0	379.4	371.7	49.112 CC, ES	
_PUDGE FEDERAL COM 702H - OWB - PWP0	1,200.0	1,207.3	412.8	403.4	43.899 SF	
_PUDGE FEDERAL COM 901H - OWB - PWP0	800.0	836.0	483.0	475.3	62.337 CC, ES	
_PUDGE FEDERAL COM 901H - OWB - PWP0	1,300.0	1,285.0	541.5	531.6	54.736 SF	
_PUDGE FEDERAL COM 902H - OWB - PWP0	800.0	836.0	455.9	448.2	58.820 CC, ES	
_PUDGE FEDERAL COM 902H - OWB - PWP0	1,300.0	1,333.5	499.3	489.5	51.234 SF	
_PUDGE FEDERAL COM 903H - OWB - PWP0	800.0	836.0	429.2	421.4	55.351 CC, ES	
_PUDGE FEDERAL COM 903H - OWB - PWP0	1,200.0	1,223.5	459.7	450.4	49.415 SF	
_PUDGE FEDERAL COM 904H - OWB - PWP0	800.0	836.0	402.9	395.1	51.940 CC, ES	
_PUDGE FEDERAL COM 904H - OWB - PWP0	1,300.0	1,333.5	445.9	436.2	45.796 SF	
RICK VAUGHN FED COM PROJECT						
RICK VAUGHN FED COM 501H - OWB - PWP2	8,702.2	18,578.0	259.4	161.1	2.639 Normal Operations, CC, ES	
RICK VAUGHN FED COM 501H - OWB - PWP2	8,725.0	18,598.1	259.6	161.2	2.637 Normal Operations, SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
WTF COM PROJECT						
_WILD THING FED COM 503H - OWB - PWP0	800.0	799.0	30.0	22.2	3.858 CC, ES, SF	
_WILD THING FED COM 706H - OWB - PWP0	800.0	817.0	418.0	410.1	52.849 CC, ES	
_WILD THING FED COM 706H - OWB - PWP0	1,800.0	1,833.2	500.8	489.3	43.390 SF	
_WILD THING FED COM 707H - OWB - PWP0	800.0	817.0	410.4	402.5	51.863 CC, ES	
_WILD THING FED COM 707H - OWB - PWP0	4,400.0	4,410.7	983.9	961.2	43.401 SF	
_WILD THING FED COM 708H - OWB - PWP0	800.0	817.0	404.9	397.0	51.153 CC, ES	
_WILD THING FED COM 708H - OWB - PWP0	6,400.0	6,389.2	991.2	949.2	23.591 SF	
_WILD THING FED COM 709H - OWB - PWP0	800.0	817.0	401.6	393.7	50.724 CC, ES	
_WILD THING FED COM 709H - OWB - PWP0	8,900.0	8,567.9	515.3	462.8	9.807 SF	
_WILD THING FED COM 710H - OWB - PWP0	9,153.6	8,625.0	107.6	50.6	1.888 Caution - Monitor Closely, CC, ES, SF	
_WILD THING FED COM 906H - OWB - PWP0	800.0	817.0	233.5	225.6	29.595 CC, ES	
_WILD THING FED COM 906H - OWB - PWP0	1,200.0	1,222.3	253.2	243.9	27.184 SF	
_WILD THING FED COM 907H - OWB - PWP0	800.0	817.0	219.6	211.7	27.797 CC, ES	
_WILD THING FED COM 907H - OWB - PWP0	1,100.0	1,116.5	231.0	222.0	25.831 SF	
_WILD THING FED COM 908H - OWB - PWP0	800.0	817.0	209.2	201.3	26.445 CC, ES	
_WILD THING FED COM 908H - OWB - PWP0	1,800.0	1,839.9	266.7	254.6	21.921 SF	
_WILD THING FED COM 909H - OWB - PWP0	800.0	817.0	202.7	194.8	25.607 CC, ES	
_WILD THING FED COM 909H - OWB - PWP0	8,825.0	8,540.0	514.7	461.0	9.572 SF	
_WILD THING FED COM 910H - OWB - PWP0	8,885.0	8,629.8	72.5	34.7	1.915 Caution - Monitor Closely, CC, ES, SF	
OXBOW 23-24 B2MP FED COM 1Y - OWB - AWP	19,800.0	18,648.0	546.0	287.1	2.109 Caution - Monitor Closely, SF	
OXBOW 23-24 B2MP FED COM 1Y - OWB - AWP	20,000.0	18,648.0	444.5	261.9	2.435 Caution - Monitor Closely, ES	
OXBOW 23-24 B2MP FED COM 1Y - OWB - AWP	20,151.4	18,648.0	417.9	281.3	3.059 CC	
OXBOW 26-25 B2DA FED COM 1H - OWB - AWP	18,821.7	18,600.0	419.9	296.8	3.412 CC	
OXBOW 26-25 B2DA FED COM 1H - OWB - AWP	19,000.0	18,600.0	456.2	271.8	2.475 Caution - Monitor Closely, ES	
OXBOW 26-25 B2DA FED COM 1H - OWB - AWP	19,200.0	18,600.0	565.1	304.7	2.170 Caution - Monitor Closely, SF	
OXBOW 26-25 B2EH FED COM 1H - OWB - AWP	17,100.0	18,530.0	537.4	294.9	2.216 Caution - Monitor Closely, SF	
OXBOW 26-25 B2EH FED COM 1H - OWB - AWP	17,200.0	18,530.0	481.1	277.8	2.367 Caution - Monitor Closely, ES	
OXBOW 26-25 B2EH FED COM 1H - OWB - AWP	17,436.8	18,530.0	418.7	309.7	3.840 CC	
OXBOW 26-25 B2LI FED COM 1H - OWB - AWP	15,300.0	18,553.7	575.5	327.5	2.321 Caution - Monitor Closely, SF	
OXBOW 26-25 B2LI FED COM 1H - OWB - AWP	15,500.0	18,553.7	468.0	302.7	2.832 Normal Operations, ES	
OXBOW 26-25 B2LI FED COM 1H - OWB - AWP	15,680.7	18,553.7	431.7	337.9	4.604 CC	
TROJANS BQT STATE 1H - OWB - AWP	9,543.0	8,416.2	629.8	575.6	11.624 CC, ES, SF	

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 500H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program:		0-r.5 MWD+IFR1+SAG+FDIR, 8187-r.5 MWD+IFR1+SAG+FDIR						Rule Assigned:				Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)				+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)
0.0	0.0	37.0	0.0	3.0	0.3	41.10	400.5	349.4	531.5	526.8	4.71	112.757	
100.0	100.0	137.0	100.0	3.1	1.0	41.10	400.5	349.4	531.5	526.5	5.09	104.366	
200.0	200.0	237.0	200.0	3.2	1.6	41.10	400.5	349.4	531.5	526.0	5.56	95.593	
300.0	300.0	337.0	300.0	3.4	2.0	41.10	400.5	349.4	531.5	525.6	5.99	88.802	
400.0	400.0	437.0	400.0	3.5	2.4	41.10	400.5	349.4	531.5	525.2	6.38	83.270	
500.0	500.0	537.0	500.0	3.6	2.7	41.10	400.5	349.4	531.5	524.8	6.76	78.636	
600.0	600.0	637.0	600.0	3.7	2.9	41.10	400.5	349.4	531.5	524.4	7.12	74.674	
700.0	700.0	737.0	700.0	3.9	3.2	41.10	400.5	349.4	531.5	524.1	7.46	71.233	
800.0	800.0	837.0	800.0	4.0	3.4	41.10	400.5	349.4	531.5	523.8	7.79	68.206 CC, ES	
900.0	900.0	937.0	900.0	4.1	3.7	152.14	400.5	349.4	533.1	524.9	8.20	65.040	
1,000.0	999.8	1,034.8	997.8	4.3	3.9	152.37	400.5	349.6	537.8	529.2	8.58	62.711	
1,100.0	1,099.5	1,128.5	1,091.5	4.5	4.2	152.95	399.4	352.1	546.4	537.5	8.92	61.255	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 500H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 8187-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,200.0	1,198.7	1,221.1	1,183.9	4.7	4.4	153.92	397.2	357.3	559.4	550.1	9.26	60.382	
1,300.0	1,297.5	1,312.0	1,274.4	4.9	4.7	155.20	393.8	365.0	576.8	567.2	9.61	60.032 SF	
1,400.0	1,395.6	1,400.0	1,361.7	5.1	4.9	156.70	389.5	375.1	599.0	589.0	9.95	60.183	
1,500.0	1,493.1	1,486.9	1,447.5	5.3	5.2	158.39	384.3	387.4	626.1	615.8	10.30	60.772	
1,600.0	1,589.6	1,570.1	1,529.3	5.5	5.4	160.14	378.2	401.4	658.3	647.6	10.65	61.818	
1,694.3	1,679.9	1,645.6	1,603.1	5.7	5.6	161.82	372.0	416.0	693.5	682.5	10.96	63.294	
1,700.0	1,685.3	1,650.0	1,607.5	5.7	5.6	161.94	371.6	416.9	695.7	684.8	10.97	63.424	
1,800.0	1,780.4	1,727.3	1,682.5	6.1	5.8	163.93	364.3	433.8	736.7	725.2	11.48	64.194	
1,900.0	1,875.6	1,800.0	1,752.6	6.2	5.9	165.77	356.8	451.4	779.9	768.2	11.73	66.497	
2,000.0	1,970.8	1,875.5	1,824.9	6.3	6.1	167.63	348.2	471.4	825.3	813.3	11.98	68.912	
2,100.0	2,065.9	1,957.9	1,903.5	6.4	6.2	169.57	338.3	494.4	872.4	860.1	12.27	71.073	
2,200.0	2,161.1	2,041.9	1,983.5	6.6	6.4	171.35	328.2	517.9	920.3	907.7	12.60	73.065	
2,300.0	2,256.3	2,125.9	2,063.5	6.7	6.5	172.97	318.2	541.3	968.8	955.9	12.91	75.066	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 501H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 MWD+IFR1						Rule Assigned:					Offset Well Error:	0.0 usft
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance		No-Go Distance	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)			
0.0	0.0	37.0	0.0	3.0	0.3	38.57	400.5	319.4	512.3	507.6	4.71	108.679		
100.0	100.0	137.0	100.0	3.1	1.0	38.57	400.5	319.4	512.3	507.2	5.09	100.590		
200.0	200.0	237.0	200.0	3.2	1.6	38.57	400.5	319.4	512.3	506.8	5.56	92.129		
300.0	300.0	337.0	300.0	3.4	2.0	38.57	400.5	319.4	512.3	506.3	5.99	85.578		
400.0	400.0	437.0	400.0	3.5	2.4	38.57	400.5	319.4	512.3	505.9	6.38	80.241		
500.0	500.0	537.0	500.0	3.6	2.7	38.57	400.5	319.4	512.3	505.6	6.76	75.769		
600.0	600.0	637.0	600.0	3.7	2.9	38.57	400.5	319.4	512.3	505.2	7.12	71.945		
700.0	700.0	737.0	700.0	3.9	3.2	38.57	400.5	319.4	512.3	504.9	7.47	68.623		
800.0	800.0	837.0	800.0	4.0	3.4	38.57	400.5	319.4	512.3	504.5	7.80	65.700 CC, ES		
900.0	900.0	937.0	900.0	4.1	3.7	149.62	400.5	319.4	513.8	505.6	8.20	62.689		
1,000.0	999.8	1,038.1	1,001.1	4.3	3.9	149.90	400.3	319.6	518.3	509.7	8.58	60.427		
1,100.0	1,099.5	1,140.8	1,103.7	4.5	4.2	150.66	397.9	321.7	525.3	516.4	8.92	58.902		
1,200.0	1,198.7	1,242.4	1,205.1	4.7	4.5	151.94	392.8	326.1	535.0	525.8	9.26	57.781		
1,300.0	1,297.5	1,342.5	1,304.7	4.9	4.9	153.66	385.0	332.8	547.7	538.1	9.60	57.043		
1,400.0	1,395.6	1,440.6	1,401.8	5.1	5.2	155.73	374.9	341.5	563.8	553.9	9.93	56.805 SF		
1,500.0	1,493.1	1,535.9	1,495.9	5.3	5.4	157.99	363.2	351.6	583.8	573.5	10.23	57.064		
1,600.0	1,589.6	1,629.7	1,588.4	5.5	5.7	160.18	351.5	361.7	607.9	597.3	10.59	57.406		
1,694.3	1,679.9	1,717.2	1,674.7	5.7	5.9	162.16	340.6	371.0	634.5	623.6	10.91	58.152		
1,700.0	1,685.3	1,722.4	1,679.9	5.7	5.9	162.29	340.0	371.6	636.2	625.3	10.92	58.235		
1,800.0	1,780.4	1,814.6	1,770.8	6.1	6.2	164.42	328.5	381.5	666.9	655.4	11.47	58.122		
1,900.0	1,875.6	1,906.8	1,861.7	6.2	6.6	166.37	317.0	391.4	698.3	686.5	11.77	59.349		
2,000.0	1,970.8	1,998.9	1,952.6	6.3	6.9	168.16	305.5	401.3	730.5	718.4	12.07	60.522		
2,100.0	2,065.9	2,091.1	2,043.5	6.4	7.2	169.80	294.1	411.1	763.2	750.9	12.38	61.635		
2,200.0	2,161.1	2,183.2	2,134.4	6.6	7.5	171.32	282.6	421.0	796.6	783.9	12.71	62.684		
2,300.0	2,256.3	2,275.4	2,225.4	6.7	7.9	172.72	271.1	430.9	830.4	817.3	13.04	63.668		
2,400.0	2,351.4	2,367.6	2,316.3	6.9	8.2	174.01	259.6	440.8	864.6	851.2	13.39	64.586		
2,500.0	2,446.6	2,459.7	2,407.2	7.0	8.6	175.20	248.1	450.7	899.2	885.4	13.74	65.439		
2,600.0	2,541.8	2,551.9	2,498.1	7.2	9.0	176.31	236.7	460.6	934.1	920.0	14.10	66.229		
2,700.0	2,636.9	2,644.1	2,589.0	7.4	9.3	177.35	225.2	470.4	969.3	954.8	14.48	66.959		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	34.0	0.0	3.0	0.3	89.92	0.5	409.4	409.4	404.7	4.71	86.908	
100.0	100.0	134.0	100.0	3.1	1.0	89.92	0.5	409.4	409.4	404.4	5.08	80.551	
200.0	200.0	234.0	200.0	3.2	1.6	89.92	0.5	409.4	409.4	403.9	5.55	73.816	
300.0	300.0	334.0	300.0	3.4	2.0	89.92	0.5	409.4	409.4	403.5	5.97	68.623	
400.0	400.0	434.0	400.0	3.5	2.4	89.92	0.5	409.4	409.4	403.1	6.36	64.407	
500.0	500.0	534.0	500.0	3.6	2.7	89.92	0.5	409.4	409.4	402.7	6.72	60.885	
600.0	600.0	634.0	600.0	3.7	2.9	89.92	0.5	409.4	409.4	402.4	7.07	57.882	
700.0	700.0	734.0	700.0	3.9	3.2	89.92	0.5	409.4	409.4	402.0	7.41	55.280	
800.0	800.0	834.0	800.0	4.0	3.4	89.92	0.5	409.4	409.4	401.7	7.73	52.995 CC, ES	
900.0	900.0	934.0	900.0	4.1	3.6	-159.19	0.5	409.4	411.1	402.9	8.15	50.464	
1,000.0	999.8	1,029.5	995.5	4.3	3.9	-159.40	0.5	409.6	416.1	407.6	8.57	48.536	
1,100.0	1,099.5	1,116.2	1,082.1	4.5	4.2	-159.68	0.5	411.8	426.8	417.8	9.03	47.256	
1,200.0	1,198.7	1,200.0	1,165.8	4.7	4.4	-160.02	0.5	416.4	443.8	434.3	9.47	46.881 SF	
1,300.0	1,297.5	1,285.5	1,251.0	4.9	4.7	-160.42	0.5	423.7	466.9	457.0	9.91	47.110	
1,400.0	1,395.6	1,367.3	1,332.3	5.1	5.0	-160.82	0.5	433.0	496.0	485.7	10.34	47.959	
1,500.0	1,493.1	1,446.6	1,410.8	5.3	5.3	-161.20	0.5	444.2	531.0	520.2	10.77	49.307	
1,600.0	1,589.6	1,523.0	1,486.1	5.5	5.5	-161.55	0.5	457.1	571.6	560.4	11.19	51.093	
1,694.3	1,679.9	1,600.0	1,561.6	5.7	5.8	-161.90	0.5	472.0	614.9	603.3	11.61	52.953	
1,700.0	1,685.3	1,600.0	1,561.6	5.7	5.8	-161.90	0.5	472.0	617.6	606.0	11.60	53.234	
1,800.0	1,780.4	1,667.1	1,627.1	6.1	6.1	-162.43	0.5	486.8	667.2	655.0	12.13	55.017	
1,900.0	1,875.6	1,736.0	1,693.9	6.2	6.4	-162.90	0.5	503.5	718.9	706.4	12.47	57.658	
2,000.0	1,970.8	1,800.0	1,755.6	6.3	6.6	-163.27	0.5	520.4	772.7	759.9	12.79	60.419	
2,100.0	2,065.9	1,869.5	1,822.2	6.4	6.8	-163.62	0.5	540.4	828.4	815.3	13.09	63.264	
2,200.0	2,161.1	1,951.9	1,900.9	6.6	7.1	-163.98	0.5	564.8	884.9	871.3	13.52	65.425	
2,300.0	2,256.3	2,034.3	1,979.6	6.7	7.4	-164.29	0.5	589.2	941.4	927.4	13.99	67.265	
2,400.0	2,351.4	2,116.7	2,058.3	6.9	7.8	-164.57	0.5	613.6	997.9	983.4	14.48	68.909	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	34.0	0.0	3.0	0.3	89.92	0.5	379.4	379.4	374.7	4.71	80.541	
100.0	100.0	134.0	100.0	3.1	1.0	89.92	0.5	379.4	379.4	374.4	5.08	74.649	
200.0	200.0	234.0	200.0	3.2	1.6	89.92	0.5	379.4	379.4	373.9	5.55	68.407	
300.0	300.0	334.0	300.0	3.4	2.0	89.92	0.5	379.4	379.4	373.5	5.97	63.595	
400.0	400.0	434.0	400.0	3.5	2.4	89.92	0.5	379.4	379.4	373.1	6.36	59.688	
500.0	500.0	534.0	500.0	3.6	2.7	89.92	0.5	379.4	379.4	372.7	6.72	56.424	
600.0	600.0	634.0	600.0	3.7	2.9	89.92	0.5	379.4	379.4	372.4	7.07	53.641	
700.0	700.0	734.0	700.0	3.9	3.2	89.92	0.5	379.4	379.4	372.0	7.41	51.230	
800.0	800.0	834.0	800.0	4.0	3.4	89.92	0.5	379.4	379.4	371.7	7.73	49.112 CC, ES	
900.0	900.0	934.0	900.0	4.1	3.6	-159.20	0.5	379.4	381.1	372.9	8.15	46.781	
1,000.0	999.8	1,030.3	996.3	4.3	3.9	-159.42	0.5	379.6	386.1	377.6	8.57	45.075	
1,100.0	1,099.5	1,119.3	1,085.3	4.5	4.2	-159.57	-0.7	381.6	396.5	387.5	9.00	44.056	
1,200.0	1,198.7	1,207.3	1,173.1	4.7	4.4	-159.63	-3.2	385.9	412.8	403.4	9.40	43.899 SF	
1,300.0	1,297.5	1,293.0	1,258.5	4.9	4.5	-159.60	-6.8	392.4	434.9	425.3	9.67	44.957	
1,400.0	1,395.6	1,376.0	1,341.0	5.1	4.8	-159.60	-10.6	401.1	463.0	452.9	10.07	45.962	
1,500.0	1,493.1	1,456.6	1,420.8	5.3	5.1	-159.64	-14.4	411.9	496.9	486.4	10.48	47.404	
1,600.0	1,589.6	1,534.5	1,497.5	5.5	5.3	-159.67	-18.3	424.4	536.4	525.6	10.84	49.490	
1,694.3	1,679.9	1,615.7	1,577.3	5.7	5.5	-159.76	-22.4	438.9	578.0	566.8	11.16	51.783	
1,700.0	1,685.3	1,620.8	1,582.3	5.7	5.5	-159.79	-22.7	439.8	580.6	569.4	11.18	51.924	
1,800.0	1,780.4	1,709.7	1,669.6	6.1	5.8	-160.23	-27.2	455.8	626.2	614.4	11.79	53.113	
1,900.0	1,875.6	1,798.6	1,756.9	6.2	6.1	-160.62	-31.7	471.8	671.8	659.7	12.19	55.098	
2,000.0	1,970.8	1,887.4	1,844.3	6.3	6.4	-160.95	-36.3	487.7	717.5	704.9	12.62	56.867	
2,100.0	2,065.9	1,976.3	1,931.6	6.4	6.7	-161.25	-40.8	503.7	763.2	750.1	13.06	58.447	
2,200.0	2,161.1	2,065.2	2,018.9	6.6	7.1	-161.51	-45.3	519.7	808.9	795.3	13.51	59.858	
2,300.0	2,256.3	2,154.1	2,106.3	6.7	7.4	-161.74	-49.8	535.7	854.6	840.6	13.98	61.117	
2,400.0	2,351.4	2,243.0	2,193.6	6.9	7.8	-161.95	-54.3	551.6	900.3	885.8	14.46	62.242	
2,500.0	2,446.6	2,331.9	2,280.9	7.0	8.1	-162.14	-58.9	567.6	946.0	931.0	14.96	63.248	
2,600.0	2,541.8	2,420.8	2,368.3	7.2	8.5	-162.31	-63.4	583.6	991.7	976.3	15.46	64.147	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 901H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	36.0	0.0	3.0	0.3	65.47	200.5	439.4	483.0	478.3	4.71	102.488	
100.0	100.0	136.0	100.0	3.1	1.0	65.47	200.5	439.4	483.0	477.9	5.09	94.915	
200.0	200.0	236.0	200.0	3.2	1.6	65.47	200.5	439.4	483.0	477.5	5.55	86.972	
300.0	300.0	336.0	300.0	3.4	2.0	65.47	200.5	439.4	483.0	477.1	5.98	80.840	
400.0	400.0	436.0	400.0	3.5	2.4	65.47	200.5	439.4	483.0	476.7	6.37	75.856	
500.0	500.0	536.0	500.0	3.6	2.7	65.47	200.5	439.4	483.0	476.3	6.74	71.689	
600.0	600.0	636.0	600.0	3.7	2.9	65.47	200.5	439.4	483.0	475.9	7.09	68.133	
700.0	700.0	736.0	700.0	3.9	3.2	65.47	200.5	439.4	483.0	475.6	7.43	65.048	
800.0	800.0	836.0	800.0	4.0	3.4	65.47	200.5	439.4	483.0	475.3	7.75	62.337 CC, ES	
900.0	900.0	936.0	900.0	4.1	3.6	176.44	200.5	439.4	484.8	476.6	8.18	59.265	
1,000.0	999.8	1,031.0	995.0	4.3	3.9	176.48	200.5	439.6	490.2	481.6	8.61	56.964	
1,100.0	1,099.5	1,117.0	1,081.0	4.5	4.2	176.63	200.5	441.8	501.2	492.2	9.05	55.404	
1,200.0	1,198.7	1,200.0	1,163.8	4.7	4.4	176.90	200.4	446.4	518.3	508.9	9.46	54.767	
1,300.0	1,297.5	1,285.0	1,248.6	4.9	4.7	177.29	200.3	453.6	541.5	531.6	9.89	54.736 SF	
1,400.0	1,395.6	1,366.2	1,329.2	5.1	5.0	177.74	200.1	462.8	570.6	560.3	10.31	55.340	
1,500.0	1,493.1	1,444.9	1,407.1	5.3	5.2	178.25	199.9	473.9	605.5	594.8	10.73	56.456	
1,600.0	1,589.6	1,520.9	1,482.0	5.5	5.5	178.79	199.6	486.7	646.0	634.8	11.13	58.024	
1,694.3	1,679.9	1,589.7	1,549.5	5.7	5.8	179.31	199.3	499.9	689.1	677.6	11.50	59.941	
1,700.0	1,685.3	1,600.0	1,559.6	5.7	5.8	179.39	199.3	502.0	691.8	680.3	11.55	59.894	
1,800.0	1,780.4	1,664.1	1,622.2	6.1	6.1	179.89	199.0	516.1	741.1	729.1	12.05	61.497	
1,900.0	1,875.6	1,732.5	1,688.6	6.2	6.3	-179.58	198.7	532.6	792.4	780.1	12.38	63.994	
2,000.0	1,970.8	1,800.0	1,753.6	6.3	6.6	-179.06	198.3	550.4	845.7	833.0	12.73	66.458	
2,100.0	2,065.9	1,863.6	1,814.6	6.4	6.9	-178.58	198.0	568.6	900.8	887.8	13.06	68.969	
2,200.0	2,161.1	1,926.3	1,874.2	6.6	7.2	-178.11	197.6	587.9	957.8	944.4	13.41	71.447	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 902H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	36.0	0.0	3.0	0.3	63.90	200.5	409.4	455.9	451.2	4.71	96.734	
100.0	100.0	136.0	100.0	3.1	1.0	63.90	200.5	409.4	455.9	450.8	5.09	89.584	
200.0	200.0	236.0	200.0	3.2	1.6	63.90	200.5	409.4	455.9	450.4	5.55	82.085	
300.0	300.0	336.0	300.0	3.4	2.0	63.90	200.5	409.4	455.9	449.9	5.98	76.296	
400.0	400.0	436.0	400.0	3.5	2.4	63.90	200.5	409.4	455.9	449.5	6.37	71.589	
500.0	500.0	536.0	500.0	3.6	2.7	63.90	200.5	409.4	455.9	449.2	6.74	67.653	
600.0	600.0	636.0	600.0	3.7	2.9	63.90	200.5	409.4	455.9	448.8	7.09	64.294	
700.0	700.0	736.0	700.0	3.9	3.2	63.90	200.5	409.4	455.9	448.5	7.43	61.380	
800.0	800.0	836.0	800.0	4.0	3.4	63.90	200.5	409.4	455.9	448.2	7.75	58.820 CC, ES	
900.0	900.0	936.0	900.0	4.1	3.6	174.88	200.5	409.4	457.7	449.5	8.18	55.938	
1,000.0	999.8	1,035.8	999.8	4.3	3.9	174.93	200.5	409.4	462.9	454.3	8.59	53.899	
1,100.0	1,099.5	1,135.5	1,099.5	4.5	4.1	175.01	200.5	409.4	471.5	462.6	8.98	52.497	
1,200.0	1,198.7	1,234.7	1,198.7	4.7	4.3	175.11	200.5	409.4	483.7	474.3	9.37	51.633	
1,300.0	1,297.5	1,333.5	1,297.5	4.9	4.4	175.24	200.5	409.4	499.3	489.5	9.75	51.234 SF	
1,400.0	1,395.6	1,431.6	1,395.6	5.1	4.6	175.38	200.5	409.4	518.3	508.2	10.12	51.238	
1,500.0	1,493.1	1,525.6	1,489.6	5.3	4.8	175.54	200.5	409.5	540.8	530.3	10.49	51.578	
1,600.0	1,589.6	1,610.2	1,574.2	5.5	5.0	175.83	199.8	411.4	568.2	557.4	10.84	52.422	
1,694.3	1,679.9	1,687.9	1,651.8	5.7	5.2	176.24	198.4	415.2	599.0	587.8	11.14	53.749	
1,700.0	1,685.3	1,692.6	1,656.4	5.7	5.2	176.27	198.3	415.5	601.0	589.8	11.16	53.869	
1,800.0	1,780.4	1,772.2	1,735.8	6.1	5.3	176.86	196.1	421.6	637.2	625.6	11.58	55.037	
1,900.0	1,875.6	1,848.4	1,811.5	6.2	5.5	177.47	193.9	429.4	675.6	663.8	11.81	57.223	
2,000.0	1,970.8	1,922.8	1,885.3	6.3	5.7	178.07	191.6	439.0	716.3	704.2	12.07	59.324	
2,100.0	2,065.9	2,000.0	1,961.5	6.4	6.0	178.71	189.2	451.0	759.3	746.9	12.38	61.340	
2,200.0	2,161.1	2,066.3	2,026.7	6.6	6.2	179.26	187.1	462.9	804.4	791.7	12.65	63.601	
2,300.0	2,256.3	2,135.4	2,094.3	6.7	6.4	179.84	185.0	476.9	851.6	838.6	12.95	65.779	
2,400.0	2,351.4	2,202.7	2,159.8	6.9	6.7	-179.61	182.9	492.2	900.8	887.6	13.25	68.008	
2,500.0	2,446.6	2,284.4	2,239.1	7.0	6.9	-178.97	180.3	511.9	951.5	937.9	13.61	69.935	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 903H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	36.0	0.0	3.0	0.3	62.14	200.5	379.4	429.2	424.5	4.71	91.060	
100.0	100.0	136.0	100.0	3.1	1.0	62.14	200.5	379.4	429.2	424.1	5.09	84.329	
200.0	200.0	236.0	200.0	3.2	1.6	62.14	200.5	379.4	429.2	423.6	5.55	77.268	
300.0	300.0	336.0	300.0	3.4	2.0	62.14	200.5	379.4	429.2	423.2	5.98	71.815	
400.0	400.0	436.0	400.0	3.5	2.4	62.14	200.5	379.4	429.2	422.8	6.37	67.382	
500.0	500.0	536.0	500.0	3.6	2.7	62.14	200.5	379.4	429.2	422.4	6.74	63.674	
600.0	600.0	636.0	600.0	3.7	2.9	62.14	200.5	379.4	429.2	422.1	7.09	60.509	
700.0	700.0	736.0	700.0	3.9	3.2	62.14	200.5	379.4	429.2	421.7	7.43	57.764	
800.0	800.0	836.0	800.0	4.0	3.4	62.14	200.5	379.4	429.2	421.4	7.75	55.351 CC, ES	
900.0	900.0	936.0	900.0	4.1	3.6	173.13	200.5	379.4	430.9	422.7	8.18	52.659	
1,000.0	999.8	1,034.3	998.3	4.3	3.9	173.22	200.4	379.6	436.2	427.6	8.59	50.750	
1,100.0	1,099.5	1,129.4	1,093.3	4.5	4.2	173.66	198.5	381.5	445.7	436.7	8.96	49.718	
1,200.0	1,198.7	1,223.5	1,187.2	4.7	4.4	174.49	194.4	385.6	459.7	450.4	9.30	49.415 SF	
1,300.0	1,297.5	1,310.4	1,273.8	4.9	4.6	175.50	189.2	391.5	478.8	469.2	9.58	49.980	
1,400.0	1,395.6	1,400.0	1,362.8	5.1	4.8	176.62	184.0	400.3	504.1	494.1	9.97	50.564	
1,500.0	1,493.1	1,473.6	1,435.7	5.3	5.1	177.55	180.0	409.6	535.5	525.1	10.31	51.934	
1,600.0	1,589.6	1,555.8	1,516.8	5.5	5.3	178.58	175.7	422.2	572.8	562.2	10.64	53.853	
1,694.3	1,679.9	1,635.5	1,595.3	5.7	5.5	179.53	171.7	435.5	612.4	601.5	10.94	55.954	
1,700.0	1,685.3	1,640.6	1,600.3	5.7	5.5	179.59	171.4	436.3	614.9	603.9	10.96	56.091	
1,800.0	1,780.4	1,730.1	1,688.4	6.1	5.8	-179.46	166.9	451.3	658.5	647.0	11.55	57.033	
1,900.0	1,875.6	1,819.5	1,776.5	6.2	6.1	-178.63	162.4	466.2	702.3	690.4	11.92	58.937	
2,000.0	1,970.8	1,909.0	1,864.6	6.3	6.4	-177.89	157.9	481.2	746.2	733.9	12.31	60.635	
2,100.0	2,065.9	1,998.5	1,952.7	6.4	6.7	-177.23	153.4	496.1	790.1	777.4	12.71	62.147	
2,200.0	2,161.1	2,087.9	2,040.8	6.6	7.0	-176.65	148.9	511.1	834.2	821.0	13.14	63.486	
2,300.0	2,256.3	2,177.4	2,128.9	6.7	7.4	-176.12	144.4	526.0	878.3	864.7	13.58	64.674	
2,400.0	2,351.4	2,266.9	2,217.0	6.9	7.7	-175.64	139.9	541.0	922.4	908.4	14.03	65.728	
2,500.0	2,446.6	2,356.3	2,305.1	7.0	8.1	-175.21	135.4	555.9	966.6	952.1	14.50	66.662	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: PUDGE FED COM PROJECT - _PUDGE FEDERAL COM 904H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	36.0	0.0	3.0	0.3	60.15	200.5	349.4	402.9	398.2	4.71	85.485	
100.0	100.0	136.0	100.0	3.1	1.0	60.15	200.5	349.4	402.9	397.8	5.09	79.164	
200.0	200.0	236.0	200.0	3.2	1.6	60.15	200.5	349.4	402.9	397.3	5.55	72.533	
300.0	300.0	336.0	300.0	3.4	2.0	60.15	200.5	349.4	402.9	396.9	5.98	67.411	
400.0	400.0	436.0	400.0	3.5	2.4	60.15	200.5	349.4	402.9	396.5	6.37	63.246	
500.0	500.0	536.0	500.0	3.6	2.7	60.15	200.5	349.4	402.9	396.2	6.74	59.763	
600.0	600.0	636.0	600.0	3.7	2.9	60.15	200.5	349.4	402.9	395.8	7.09	56.788	
700.0	700.0	736.0	700.0	3.9	3.2	60.15	200.5	349.4	402.9	395.5	7.43	54.208	
800.0	800.0	836.0	800.0	4.0	3.4	60.15	200.5	349.4	402.9	395.1	7.76	51.940 CC, ES	
900.0	900.0	936.0	900.0	4.1	3.6	171.14	200.5	349.4	404.6	396.4	8.18	49.435	
1,000.0	999.8	1,035.8	999.8	4.3	3.9	171.24	200.5	349.4	409.8	401.2	8.59	47.719	
1,100.0	1,099.5	1,135.5	1,099.5	4.5	4.1	171.40	200.5	349.4	418.4	409.4	8.98	46.596	
1,200.0	1,198.7	1,234.7	1,198.7	4.7	4.3	171.60	200.5	349.4	430.5	421.1	9.36	45.978	
1,300.0	1,297.5	1,333.5	1,297.5	4.9	4.4	171.85	200.5	349.4	445.9	436.2	9.74	45.796 SF	
1,400.0	1,395.6	1,431.6	1,395.6	5.1	4.6	172.13	200.5	349.4	464.8	454.7	10.11	45.996	
1,500.0	1,493.1	1,529.1	1,493.1	5.3	4.8	172.43	200.5	349.4	487.1	476.7	10.47	46.531	
1,600.0	1,589.6	1,625.6	1,589.6	5.5	5.0	172.75	200.5	349.4	512.8	502.0	10.83	47.366	
1,694.3	1,679.9	1,715.9	1,679.9	5.7	5.1	173.05	200.5	349.4	540.1	529.0	11.14	48.479	
1,700.0	1,685.3	1,721.3	1,685.3	5.7	5.1	173.07	200.5	349.4	541.9	530.7	11.15	48.578	
1,800.0	1,780.4	1,816.4	1,780.4	6.1	5.3	173.44	200.5	349.4	572.4	560.7	11.68	49.004	
1,900.0	1,875.6	1,911.6	1,875.6	6.2	5.4	173.77	200.5	349.4	602.9	591.0	11.95	50.449	
2,000.0	1,970.8	2,006.8	1,970.8	6.3	5.6	174.07	200.5	349.4	633.5	621.2	12.23	51.817	
2,100.0	2,065.9	2,101.9	2,065.9	6.4	5.7	174.35	200.5	349.4	664.0	651.5	12.50	53.112	
2,200.0	2,161.1	2,197.1	2,161.1	6.6	5.9	174.60	200.5	349.4	694.6	681.8	12.78	54.337	
2,300.0	2,256.3	2,292.3	2,256.3	6.7	6.0	174.83	200.5	349.4	725.2	712.2	13.07	55.499	
2,400.0	2,351.4	2,387.4	2,351.4	6.9	6.1	175.04	200.5	349.4	755.8	742.5	13.35	56.600	
2,500.0	2,446.6	2,482.6	2,446.6	7.0	6.3	175.23	200.5	349.4	786.4	772.8	13.64	57.644	
2,600.0	2,541.8	2,577.8	2,541.8	7.2	6.4	175.41	200.5	349.4	817.1	803.1	13.93	58.635	
2,700.0	2,636.9	2,672.9	2,636.9	7.4	6.5	175.57	200.5	349.4	847.7	833.5	14.23	59.576	
2,800.0	2,732.1	2,768.1	2,732.1	7.5	6.7	175.73	200.5	349.4	878.3	863.8	14.52	60.470	
2,900.0	2,827.3	2,863.3	2,827.3	7.7	6.8	175.87	200.5	349.4	909.0	894.1	14.82	61.321	
3,000.0	2,922.4	2,958.4	2,922.4	7.9	6.9	176.01	200.5	349.4	939.6	924.5	15.12	62.130	
3,100.0	3,017.6	3,053.6	3,017.6	8.1	7.1	176.13	200.5	349.4	970.2	954.8	15.43	62.901	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: RICK VAUGHN FED COM PROJECT - RICK VAUGHN FED COM 501H - OWB - PWP2													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1000-r.5 MWD+IFR1+SAG+FDIR, 7959-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.0 usft
Reference													
Offset													
Semi Major Axis													
Offset Wellbore Centre													
Distance													
Between Centres													
Between Ellipses													
No-Go Distance													
Separation Factor													
Warning													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,700.0	7,435.4	18,337.6	8,348.5	17.4	87.7	-162.78	-648.7	-1,442.8	946.2	870.7	75.52	12.530	
7,800.0	7,535.3	18,335.8	8,348.5	17.6	87.7	-161.55	-650.5	-1,442.8	851.8	774.8	77.01	11.061	
7,900.0	7,635.2	18,334.7	8,348.5	17.8	87.7	-160.45	-651.7	-1,442.8	758.1	679.2	78.93	9.605	
8,000.0	7,735.2	18,334.1	8,348.5	17.9	87.7	-159.50	-652.2	-1,442.8	665.7	584.2	81.48	8.170	
8,064.8	7,800.0	18,334.1	8,348.5	17.9	87.7	90.05	-652.2	-1,442.8	606.6	523.0	83.59	7.257	
8,100.0	7,835.2	18,334.2	8,348.5	17.9	87.7	90.04	-652.2	-1,442.8	575.0	490.1	84.94	6.770	
8,197.3	7,932.5	18,334.3	8,348.5	17.9	87.7	90.01	-652.0	-1,442.8	490.1	400.4	89.73	5.462	
8,200.0	7,935.2	18,334.3	8,348.5	17.9	87.7	90.71	-652.0	-1,442.8	487.8	397.9	89.89	5.427	
8,225.0	7,960.2	18,335.2	8,348.5	18.0	87.7	95.15	-651.2	-1,442.8	466.8	389.6	77.21	6.046	
8,250.0	7,985.1	18,337.3	8,348.5	18.0	87.7	98.95	-649.0	-1,442.8	446.3	368.1	78.22	5.707	
8,275.0	8,009.8	18,340.7	8,348.5	18.0	87.7	102.11	-645.6	-1,442.9	426.4	347.1	79.37	5.373	
8,300.0	8,034.4	18,345.5	8,348.5	18.0	87.8	104.65	-640.9	-1,442.9	407.2	326.6	80.67	5.048	
8,325.0	8,058.7	18,351.5	8,348.5	18.0	87.8	106.60	-634.9	-1,442.9	388.8	306.7	82.09	4.737	
8,350.0	8,082.6	18,358.8	8,348.5	18.0	87.9	108.00	-627.6	-1,442.9	371.3	287.7	83.61	4.441	
8,375.0	8,106.1	18,367.3	8,348.5	18.0	88.0	108.90	-619.1	-1,442.9	354.9	269.7	85.21	4.165	
8,400.0	8,129.2	18,377.0	8,348.5	18.0	88.0	109.33	-609.3	-1,442.9	339.6	252.7	86.86	3.910	
8,425.0	8,151.7	18,387.9	8,348.6	18.0	88.1	109.32	-598.4	-1,443.0	325.5	237.0	88.51	3.678	
8,450.0	8,173.6	18,400.0	8,348.6	18.0	88.2	108.91	-586.3	-1,443.0	312.8	222.7	90.11	3.471	
8,475.0	8,194.8	18,413.2	8,348.6	18.0	88.3	108.13	-573.1	-1,443.0	301.4	209.8	91.64	3.289	
8,500.0	8,215.3	18,427.5	8,348.6	18.0	88.5	107.01	-558.8	-1,443.1	291.5	198.5	93.04	3.133	
8,525.0	8,235.1	18,442.9	8,348.6	18.0	88.6	105.58	-543.4	-1,443.1	283.1	188.8	94.28	3.002	
8,550.0	8,254.0	18,459.3	8,348.7	18.0	88.7	103.88	-527.1	-1,443.1	276.0	180.7	95.34	2.895 Normal Operations	
8,575.0	8,272.0	18,476.6	8,348.7	18.0	88.9	101.93	-509.7	-1,443.2	270.4	174.2	96.21	2.811 Normal Operations	
8,600.0	8,289.1	18,494.9	8,348.7	18.0	89.0	99.79	-491.5	-1,443.2	266.1	169.2	96.89	2.746 Normal Operations	
8,625.0	8,305.2	18,514.0	8,348.8	18.0	89.2	97.51	-472.4	-1,443.3	263.0	165.5	97.41	2.699 Normal Operations	
8,650.0	8,320.3	18,533.9	8,348.8	18.1	89.4	95.13	-452.4	-1,443.3	260.9	163.1	97.79	2.668 Normal Operations	
8,675.0	8,334.4	18,554.6	8,348.8	18.1	89.5	92.71	-431.7	-1,443.4	259.8	161.7	98.07	2.649 Normal Operations	
8,700.0	8,347.3	18,576.0	8,348.9	18.1	89.7	90.32	-410.3	-1,443.4	259.4	161.1	98.28	2.639 Normal Operations	
8,702.2	8,348.4	18,578.0	8,348.9	18.1	89.7	90.11	-408.3	-1,443.4	259.4	161.1	98.29	2.639 Normal Operations, CC, ES	
8,725.0	8,359.1	18,598.1	8,348.9	18.1	89.9	88.00	-388.3	-1,443.5	259.6	161.2	98.44	2.637 Normal Operations, SF	
8,750.0	8,369.8	18,620.7	8,348.9	18.1	90.1	85.81	-365.6	-1,443.5	260.3	161.7	98.59	2.640 Normal Operations	
8,775.0	8,379.2	18,643.9	8,349.0	18.1	90.3	83.79	-342.5	-1,443.6	261.2	162.5	98.73	2.646 Normal Operations	
8,800.0	8,387.4	18,662.2	8,349.0	18.2	90.5	82.33	-324.1	-1,443.6	262.4	163.5	98.82	2.655 Normal Operations	
8,825.0	8,394.4	18,662.2	8,349.0	18.2	90.5	82.01	-324.1	-1,443.6	265.1	166.4	98.64	2.687 Normal Operations	
8,850.0	8,400.1	18,662.2	8,349.0	18.2	90.5	81.42	-324.1	-1,443.6	269.9	171.5	98.34	2.744 Normal Operations	
8,875.0	8,404.5	18,662.2	8,349.0	18.2	90.5	80.58	-324.1	-1,443.6	276.7	178.8	97.92	2.826 Normal Operations	
8,900.0	8,407.6	18,662.2	8,349.0	18.3	90.5	79.49	-324.1	-1,443.6	285.3	188.0	97.33	2.932 Normal Operations	
8,925.0	8,409.4	18,662.2	8,349.0	18.3	90.5	78.16	-324.1	-1,443.6	295.6	199.1	96.53	3.063	
8,947.3	8,410.0	18,662.2	8,349.0	18.3	90.5	76.78	-324.1	-1,443.6	306.1	210.5	95.61	3.202	
9,000.0	8,410.0	18,662.2	8,349.0	18.4	90.5	76.78	-324.1	-1,443.6	335.1	242.7	92.44	3.625	
9,100.0	8,410.0	18,662.2	8,349.0	18.6	90.5	76.78	-324.1	-1,443.6	403.7	319.5	84.19	4.795	
9,200.0	8,409.9	18,662.2	8,349.0	18.8	90.5	76.78	-324.1	-1,443.6	483.3	408.5	74.78	6.463	
9,300.0	8,409.9	18,662.2	8,349.0	19.0	90.5	76.78	-324.1	-1,443.6	569.4	503.0	66.37	8.579	
9,400.0	8,409.9	18,662.2	8,349.0	19.3	90.5	76.78	-324.1	-1,443.6	659.4	599.1	60.28	10.939	
9,500.0	8,409.9	18,662.2	8,349.0	19.6	90.5	76.78	-324.1	-1,443.6	752.0	696.1	55.85	13.464	
9,600.0	8,409.9	18,662.2	8,349.0	19.9	90.5	76.78	-324.1	-1,443.6	846.2	793.7	52.57	16.097	
9,700.0	8,409.9	18,662.2	8,349.0	20.3	90.5	76.78	-324.1	-1,443.6	941.7	891.6	50.10	18.795	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 503H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1, 8006-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	1.0	3.0	0.0	89.83	0.1	30.0	30.0	25.3	4.69	6.396	
100.0	100.0	99.0	100.0	3.1	1.2	89.83	0.1	30.0	30.0	24.8	5.18	5.795	
200.0	200.0	199.0	200.0	3.2	1.7	89.83	0.1	30.0	30.0	24.4	5.62	5.334	
300.0	300.0	299.0	300.0	3.4	2.1	89.83	0.1	30.0	30.0	24.0	6.04	4.971	
400.0	400.0	399.0	400.0	3.5	2.4	89.83	0.1	30.0	30.0	23.6	6.42	4.673	
500.0	500.0	499.0	500.0	3.6	2.7	89.83	0.1	30.0	30.0	23.2	6.78	4.422	
600.0	600.0	599.0	600.0	3.7	3.0	89.83	0.1	30.0	30.0	22.9	7.13	4.208	
700.0	700.0	699.0	700.0	3.9	3.2	89.83	0.1	30.0	30.0	22.5	7.46	4.022	
800.0	800.0	799.0	800.0	4.0	3.5	89.83	0.1	30.0	30.0	22.2	7.78	3.858 CC, ES, SF	
900.0	900.0	899.0	900.0	4.1	3.7	-160.32	0.1	30.0	31.6	23.4	8.19	3.861	
1,000.0	999.8	998.8	999.8	4.3	3.9	-163.05	0.1	30.0	36.6	28.0	8.60	4.256	
1,100.0	1,099.5	1,099.6	1,100.6	4.5	4.2	-164.76	-1.2	28.9	43.8	34.7	9.05	4.837	
1,200.0	1,198.7	1,200.5	1,201.3	4.7	4.5	-164.26	-5.2	25.4	51.8	42.3	9.47	5.466	
1,300.0	1,297.5	1,301.5	1,301.9	4.9	4.8	-162.44	-12.0	19.7	60.6	50.7	9.88	6.137	
1,400.0	1,395.6	1,402.5	1,402.2	5.1	5.2	-159.86	-21.4	11.7	70.4	60.2	10.27	6.858	
1,500.0	1,493.1	1,503.6	1,502.0	5.3	5.5	-156.88	-33.5	1.3	81.3	70.7	10.64	7.644	
1,600.0	1,589.6	1,602.8	1,599.6	5.5	5.8	-154.54	-46.8	-10.1	94.3	83.3	11.03	8.555	
1,694.3	1,679.9	1,695.8	1,691.2	5.7	6.1	-153.57	-59.4	-20.8	109.5	98.1	11.37	9.634	
1,700.0	1,685.3	1,701.4	1,696.7	5.7	6.1	-153.54	-60.1	-21.5	110.5	99.1	11.38	9.708	
1,800.0	1,780.4	1,799.9	1,793.6	6.1	6.4	-153.22	-73.4	-32.8	128.1	116.1	11.98	10.689	
1,900.0	1,875.6	1,898.3	1,890.5	6.2	6.7	-152.98	-86.7	-44.2	145.6	133.3	12.32	11.817	
2,000.0	1,970.8	1,996.8	1,987.4	6.3	7.1	-152.79	-99.9	-55.5	163.2	150.5	12.68	12.870	
2,100.0	2,065.9	2,095.2	2,084.3	6.4	7.4	-152.64	-113.2	-66.9	180.7	167.7	13.05	13.853	
2,200.0	2,161.1	2,193.7	2,181.1	6.6	7.8	-152.51	-126.5	-78.2	198.3	184.9	13.43	14.770	
2,300.0	2,256.3	2,292.1	2,278.0	6.7	8.2	-152.40	-139.7	-89.5	215.9	202.1	13.82	15.626	
2,400.0	2,351.4	2,390.6	2,374.9	6.9	8.5	-152.31	-153.0	-100.9	233.4	219.2	14.21	16.423	
2,500.0	2,446.6	2,489.0	2,471.8	7.0	8.9	-152.24	-166.3	-112.2	251.0	236.4	14.62	17.168	
2,600.0	2,541.8	2,587.4	2,568.7	7.2	9.3	-152.17	-179.5	-123.6	268.6	253.5	15.04	17.862	
2,700.0	2,636.9	2,685.9	2,665.6	7.4	9.7	-152.11	-192.8	-134.9	286.2	270.7	15.46	18.511	
2,800.0	2,732.1	2,784.3	2,762.4	7.5	10.1	-152.06	-206.1	-146.3	303.7	287.8	15.89	19.118	
2,900.0	2,827.3	2,882.8	2,859.3	7.7	10.5	-152.01	-219.3	-157.6	321.3	305.0	16.32	19.685	
3,000.0	2,922.4	2,981.2	2,956.2	7.9	10.9	-151.97	-232.6	-168.9	338.9	322.1	16.76	20.216	
3,100.0	3,017.6	3,079.7	3,053.1	8.1	11.3	-151.93	-245.9	-180.3	356.4	339.2	17.21	20.714	
3,200.0	3,112.8	3,178.1	3,150.0	8.2	11.7	-151.90	-259.1	-191.6	374.0	356.3	17.66	21.181	
3,300.0	3,207.9	3,276.5	3,246.9	8.4	12.2	-151.87	-272.4	-203.0	391.6	373.5	18.11	21.619	
3,400.0	3,303.1	3,375.0	3,343.8	8.6	12.6	-151.84	-285.7	-214.3	409.1	390.6	18.57	22.031	
3,500.0	3,398.3	3,473.4	3,440.6	8.8	13.0	-151.81	-298.9	-225.7	426.7	407.7	19.03	22.418	
3,600.0	3,493.4	3,571.9	3,537.5	9.0	13.4	-151.79	-312.2	-237.0	444.3	424.8	19.50	22.783	
3,700.0	3,588.6	3,670.3	3,634.4	9.2	13.8	-151.77	-325.5	-248.3	461.9	441.9	19.97	23.127	
3,800.0	3,683.8	3,768.8	3,731.3	9.4	14.3	-151.74	-338.7	-259.7	479.4	459.0	20.44	23.451	
3,900.0	3,778.9	3,867.2	3,828.2	9.6	14.7	-151.73	-352.0	-271.0	497.0	476.1	20.92	23.757	
4,000.0	3,874.1	3,965.7	3,925.1	9.8	15.1	-151.71	-365.3	-282.4	514.6	493.2	21.40	24.046	
4,100.0	3,969.3	4,064.1	4,021.9	10.0	15.6	-151.69	-378.5	-293.7	532.1	510.3	21.88	24.320	
4,200.0	4,064.4	4,162.5	4,118.8	10.2	16.0	-151.68	-391.8	-305.0	549.7	527.3	22.36	24.579	
4,300.0	4,159.6	4,261.0	4,215.7	10.4	16.4	-151.66	-405.1	-316.4	567.3	544.4	22.85	24.825	
4,400.0	4,254.8	4,359.4	4,312.6	10.6	16.9	-151.65	-418.3	-327.7	584.8	561.5	23.34	25.057	
4,500.0	4,349.9	4,457.9	4,409.5	10.8	17.3	-151.63	-431.6	-339.1	602.4	578.6	23.83	25.278	
4,600.0	4,445.1	4,556.3	4,506.4	11.0	17.7	-151.62	-444.9	-350.4	620.0	595.7	24.32	25.488	
4,700.0	4,540.3	4,654.8	4,603.2	11.2	18.2	-151.61	-458.1	-361.8	637.6	612.7	24.82	25.688	
4,800.0	4,635.4	4,753.2	4,700.1	11.4	18.6	-151.60	-471.4	-373.1	655.1	629.8	25.32	25.878	
4,900.0	4,730.6	4,851.7	4,797.0	11.6	19.0	-151.59	-484.7	-384.4	672.7	646.9	25.82	26.058	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 503H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1, 8006-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,000.0	4,825.8	4,950.1	4,893.9	11.8	19.5	-151.58	-497.9	-395.8	690.3	664.0	26.32	26.230	
5,100.0	4,920.9	5,048.5	4,990.8	12.0	19.9	-151.57	-511.2	-407.1	707.8	681.0	26.82	26.395	
5,200.0	5,016.1	5,147.0	5,087.7	12.2	20.4	-151.56	-524.5	-418.5	725.4	698.1	27.32	26.551	
5,300.0	5,111.3	5,245.4	5,184.6	12.4	20.8	-151.55	-537.8	-429.8	743.0	715.2	27.83	26.701	
5,400.0	5,206.4	5,343.9	5,281.4	12.7	21.2	-151.55	-551.0	-441.2	760.6	732.2	28.33	26.843	
5,500.0	5,301.6	5,442.3	5,378.3	12.9	21.7	-151.54	-564.3	-452.5	778.1	749.3	28.84	26.980	
5,600.0	5,396.8	5,540.8	5,475.2	13.1	22.1	-151.53	-577.6	-463.8	795.7	766.4	29.34	27.121	
5,700.0	5,491.9	5,632.7	5,565.8	13.3	22.5	-151.56	-589.5	-474.1	813.6	783.8	29.81	27.296	
5,800.0	5,587.1	5,723.7	5,655.6	13.5	22.9	-151.67	-600.2	-483.3	832.4	802.1	30.30	27.474	
5,900.0	5,682.3	5,814.2	5,745.3	13.7	23.3	-151.86	-609.9	-491.5	852.1	821.3	30.80	27.669	
6,000.0	5,777.4	5,904.4	5,834.8	14.0	23.7	-152.11	-618.4	-498.7	872.6	841.3	31.30	27.881	
6,100.0	5,872.6	5,994.1	5,923.9	14.2	24.0	-152.44	-625.8	-505.1	894.1	862.2	31.80	28.111	
6,200.0	5,967.8	6,083.2	6,012.7	14.4	24.4	-152.82	-632.1	-510.5	916.4	884.1	32.31	28.361	
6,276.2	6,040.3	6,150.8	6,080.1	14.6	24.6	-153.14	-636.1	-513.9	934.0	901.3	32.69	28.571	
6,300.0	6,063.0	6,171.9	6,101.1	14.6	24.7	-153.27	-637.3	-514.9	939.6	906.8	32.81	28.639	
6,400.0	6,158.5	6,260.3	6,189.3	14.8	25.0	-153.82	-641.5	-518.5	962.7	929.4	33.31	28.903	
6,500.0	6,254.6	6,348.5	6,277.5	15.1	25.3	-154.37	-644.6	-521.2	985.2	951.4	33.79	29.160	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	16.60	400.6	119.4	418.0	413.3	4.71	88.844	
100.0	100.0	117.0	100.0	3.1	1.3	16.60	400.6	119.4	418.0	412.8	5.23	79.925	
200.0	200.0	217.0	200.0	3.2	1.8	16.60	400.6	119.4	418.0	412.4	5.68	73.597	
300.0	300.0	317.0	300.0	3.4	2.2	16.60	400.6	119.4	418.0	411.9	6.10	68.547	
400.0	400.0	417.0	400.0	3.5	2.5	16.60	400.6	119.4	418.0	411.5	6.49	64.380	
500.0	500.0	517.0	500.0	3.6	2.8	16.60	400.6	119.4	418.0	411.2	6.87	60.860	
600.0	600.0	617.0	600.0	3.7	3.0	16.60	400.6	119.4	418.0	410.8	7.23	57.831	
700.0	700.0	717.0	700.0	3.9	3.3	16.60	400.6	119.4	418.0	410.5	7.57	55.186	
800.0	800.0	817.0	800.0	4.0	3.5	16.60	400.6	119.4	418.0	410.1	7.91	52.849 CC, ES	
900.0	900.0	917.0	900.0	4.1	3.7	127.73	400.6	119.4	419.1	410.8	8.26	50.729	
1,000.0	999.8	1,018.3	1,001.3	4.3	3.9	128.26	400.6	119.5	422.3	413.7	8.59	49.156	
1,100.0	1,099.5	1,126.7	1,109.7	4.5	4.2	129.38	398.7	120.3	426.4	417.4	8.93	47.724	
1,200.0	1,198.7	1,234.5	1,217.4	4.7	4.5	131.13	394.1	122.5	430.9	421.6	9.27	46.468	
1,300.0	1,297.5	1,341.3	1,323.8	4.9	4.7	133.45	386.8	125.9	436.3	426.6	9.62	45.330	
1,400.0	1,395.6	1,446.8	1,428.8	5.1	5.0	136.27	377.0	130.5	443.0	433.0	9.99	44.358	
1,500.0	1,493.1	1,549.5	1,530.6	5.3	5.3	139.47	364.9	136.1	451.8	441.5	10.31	43.838	
1,600.0	1,589.6	1,644.9	1,625.1	5.5	5.5	142.62	352.8	141.7	464.3	453.6	10.64	43.652	
1,694.3	1,679.9	1,734.0	1,713.3	5.7	5.8	145.59	341.6	146.9	480.0	469.1	10.96	43.798	
1,700.0	1,685.3	1,739.3	1,718.6	5.7	5.8	145.78	340.9	147.3	481.1	470.1	10.97	43.838	
1,800.0	1,780.4	1,833.2	1,811.6	6.1	6.1	148.97	329.1	152.8	500.8	489.3	11.54	43.390 SF	
1,900.0	1,875.6	1,927.2	1,904.6	6.2	6.4	151.94	317.2	158.3	522.1	510.3	11.83	44.140	
2,000.0	1,970.8	2,021.1	1,997.6	6.3	6.7	154.68	305.4	163.8	544.7	532.6	12.11	44.974	
2,100.0	2,065.9	2,115.1	2,090.7	6.4	7.0	157.22	293.5	169.4	568.4	556.0	12.39	45.868	
2,200.0	2,161.1	2,209.0	2,183.7	6.6	7.4	159.56	281.7	174.9	593.2	580.5	12.67	46.803	
2,300.0	2,256.3	2,302.9	2,276.7	6.7	7.7	161.71	269.8	180.4	618.9	606.0	12.96	47.764	
2,400.0	2,351.4	2,396.9	2,369.7	6.9	8.1	163.71	258.0	185.9	645.4	632.2	13.24	48.737	
2,500.0	2,446.6	2,490.8	2,462.8	7.0	8.4	165.55	246.1	191.5	672.6	659.1	13.53	49.711	
2,600.0	2,541.8	2,584.8	2,555.8	7.2	8.8	167.25	234.3	197.0	700.4	686.6	13.82	50.677	
2,700.0	2,636.9	2,678.7	2,648.8	7.4	9.2	168.83	222.5	202.5	728.8	714.7	14.12	51.628	
2,800.0	2,732.1	2,772.6	2,741.8	7.5	9.5	170.29	210.6	208.0	757.7	743.2	14.42	52.559	
2,900.0	2,827.3	2,866.6	2,834.9	7.7	9.9	171.65	198.8	213.6	786.9	772.2	14.72	53.466	
3,000.0	2,922.4	2,960.5	2,927.9	7.9	10.3	172.91	186.9	219.1	816.6	801.6	15.03	54.346	
3,100.0	3,017.6	3,054.5	3,020.9	8.1	10.6	174.09	175.1	224.6	846.7	831.3	15.34	55.197	
3,200.0	3,112.8	3,148.4	3,113.9	8.2	11.0	175.19	163.2	230.1	877.0	861.3	15.66	56.017	
3,300.0	3,207.9	3,242.3	3,207.0	8.4	11.4	176.21	151.4	235.7	907.6	891.6	15.98	56.806	
3,400.0	3,303.1	3,336.3	3,300.0	8.6	11.8	177.17	139.5	241.2	938.5	922.2	16.30	57.564	
3,500.0	3,398.3	3,430.2	3,393.0	8.8	12.2	178.07	127.7	246.7	969.6	953.0	16.63	58.289	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 707H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	12.59	400.6	89.4	410.4	405.7	4.71	87.226	
100.0	100.0	117.0	100.0	3.1	1.3	12.59	400.6	89.4	410.4	405.2	5.23	78.469	
200.0	200.0	217.0	200.0	3.2	1.8	12.59	400.6	89.4	410.4	404.7	5.68	72.253	
300.0	300.0	317.0	300.0	3.4	2.2	12.59	400.6	89.4	410.4	404.3	6.10	67.291	
400.0	400.0	417.0	400.0	3.5	2.5	12.59	400.6	89.4	410.4	403.9	6.49	63.197	
500.0	500.0	517.0	500.0	3.6	2.8	12.59	400.6	89.4	410.4	403.6	6.87	59.738	
600.0	600.0	617.0	600.0	3.7	3.0	12.59	400.6	89.4	410.4	403.2	7.23	56.760	
700.0	700.0	717.0	700.0	3.9	3.3	12.59	400.6	89.4	410.4	402.8	7.58	54.161	
800.0	800.0	817.0	800.0	4.0	3.5	12.59	400.6	89.4	410.4	402.5	7.91	51.863 CC, ES	
900.0	900.0	917.0	900.0	4.1	3.7	123.73	400.6	89.4	411.4	403.1	8.26	49.819	
1,000.0	999.8	1,016.8	999.8	4.3	3.9	124.29	400.6	89.4	414.3	405.7	8.57	48.325	
1,100.0	1,099.5	1,116.5	1,099.5	4.5	4.1	125.19	400.6	89.4	419.3	410.4	8.88	47.192	
1,200.0	1,198.7	1,215.7	1,198.7	4.7	4.3	126.40	400.6	89.4	426.5	417.3	9.19	46.381	
1,300.0	1,297.5	1,314.5	1,297.5	4.9	4.5	127.89	400.6	89.4	436.0	426.5	9.51	45.866	
1,400.0	1,395.6	1,412.6	1,395.6	5.1	4.7	129.61	400.6	89.4	448.1	438.2	9.82	45.626	
1,500.0	1,493.1	1,510.1	1,493.1	5.3	4.9	131.50	400.6	89.4	462.9	452.8	10.14	45.649	
1,600.0	1,589.6	1,606.6	1,589.6	5.5	5.0	133.51	400.6	89.4	480.7	470.3	10.47	45.925	
1,694.3	1,679.9	1,696.9	1,679.9	5.7	5.2	135.46	400.6	89.4	500.4	489.7	10.77	46.468	
1,700.0	1,685.3	1,702.3	1,685.3	5.7	5.2	135.60	400.6	89.4	501.7	490.9	10.78	46.526	
1,800.0	1,780.4	1,797.4	1,780.4	6.1	5.3	137.90	400.6	89.4	524.6	513.2	11.35	46.226	
1,900.0	1,875.6	1,892.6	1,875.6	6.2	5.5	140.01	400.6	89.4	548.2	536.6	11.63	47.123	
2,000.0	1,970.8	1,987.8	1,970.8	6.3	5.6	141.95	400.6	89.4	572.6	560.6	11.92	48.025	
2,100.0	2,065.9	2,098.2	2,081.2	6.4	5.8	144.01	399.5	88.8	596.4	584.1	12.26	48.640	
2,200.0	2,161.1	2,212.4	2,195.3	6.6	6.0	146.00	395.4	86.5	618.0	605.4	12.60	49.042	
2,300.0	2,256.3	2,327.8	2,310.4	6.7	6.2	147.89	388.4	82.4	637.2	624.2	12.97	49.144	
2,400.0	2,351.4	2,444.4	2,426.4	6.9	6.4	149.71	378.2	76.5	653.9	640.5	13.36	48.948	
2,500.0	2,446.6	2,557.0	2,538.1	7.0	6.6	151.43	365.5	69.2	668.2	654.5	13.72	48.700	
2,600.0	2,541.8	2,654.6	2,634.7	7.2	6.8	152.86	353.8	62.4	682.1	668.0	14.09	48.413	
2,700.0	2,636.9	2,752.2	2,731.3	7.4	7.1	154.24	342.0	55.6	696.4	681.9	14.50	48.044	
2,800.0	2,732.1	2,849.7	2,827.9	7.5	7.3	155.56	330.2	48.8	711.1	696.2	14.92	47.668	
2,900.0	2,827.3	2,947.3	2,924.5	7.7	7.6	156.83	318.5	42.0	726.2	710.8	15.36	47.292	
3,000.0	2,922.4	3,044.8	3,021.1	7.9	7.9	158.05	306.7	35.3	741.6	725.8	15.81	46.922	
3,100.0	3,017.6	3,142.4	3,117.7	8.1	8.2	159.22	295.0	28.5	757.4	741.1	16.27	46.563	
3,200.0	3,112.8	3,240.0	3,214.4	8.2	8.5	160.35	283.2	21.7	773.4	756.7	16.73	46.218	
3,300.0	3,207.9	3,337.5	3,311.0	8.4	8.8	161.42	271.4	14.9	789.7	772.5	17.21	45.888	
3,400.0	3,303.1	3,435.1	3,407.6	8.6	9.1	162.46	259.7	8.1	806.3	788.6	17.69	45.576	
3,500.0	3,398.3	3,532.6	3,504.2	8.8	9.4	163.45	247.9	1.3	823.2	805.0	18.18	45.281	
3,600.0	3,493.4	3,630.2	3,600.8	9.0	9.8	164.41	236.2	-5.5	840.3	821.6	18.67	45.005	
3,700.0	3,588.6	3,727.8	3,697.4	9.2	10.1	165.32	224.4	-12.3	857.6	838.4	19.16	44.747	
3,800.0	3,683.8	3,825.3	3,794.0	9.4	10.5	166.21	212.6	-19.1	875.1	855.4	19.66	44.506	
3,900.0	3,778.9	3,922.9	3,890.6	9.6	10.8	167.05	200.9	-25.8	892.8	872.6	20.16	44.283	
4,000.0	3,874.1	4,020.5	3,987.2	9.8	11.2	167.87	189.1	-32.6	910.7	890.0	20.66	44.077	
4,100.0	3,969.3	4,118.0	4,083.9	10.0	11.5	168.65	177.4	-39.4	928.7	907.6	21.16	43.886	
4,200.0	4,064.4	4,215.6	4,180.5	10.2	11.9	169.40	165.6	-46.2	947.0	925.3	21.66	43.711	
4,300.0	4,159.6	4,313.1	4,277.1	10.4	12.3	170.13	153.9	-53.0	965.4	943.2	22.17	43.549	
4,400.0	4,254.8	4,410.7	4,373.7	10.6	12.7	170.83	142.1	-59.8	983.9	961.2	22.67	43.401 SF	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 708H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	8.44	400.6	59.4	404.9	400.2	4.71	86.061	
100.0	100.0	117.0	100.0	3.1	1.3	8.44	400.6	59.4	404.9	399.7	5.23	77.419	
200.0	200.0	217.0	200.0	3.2	1.8	8.44	400.6	59.4	404.9	399.3	5.68	71.284	
300.0	300.0	317.0	300.0	3.4	2.2	8.44	400.6	59.4	404.9	398.8	6.10	66.387	
400.0	400.0	417.0	400.0	3.5	2.5	8.44	400.6	59.4	404.9	398.4	6.50	62.345	
500.0	500.0	517.0	500.0	3.6	2.8	8.44	400.6	59.4	404.9	398.1	6.87	58.929	
600.0	600.0	617.0	600.0	3.7	3.0	8.44	400.6	59.4	404.9	397.7	7.23	55.989	
700.0	700.0	717.0	700.0	3.9	3.3	8.44	400.6	59.4	404.9	397.4	7.58	53.422	
800.0	800.0	817.0	800.0	4.0	3.5	8.44	400.6	59.4	404.9	397.0	7.92	51.153 CC, ES	
900.0	900.0	917.0	900.0	4.1	3.7	119.60	400.6	59.4	405.8	397.5	8.25	49.168	
1,000.0	999.8	1,018.2	1,001.2	4.3	3.9	120.20	400.5	59.4	408.4	399.8	8.57	47.675	
1,100.0	1,099.5	1,126.0	1,109.0	4.5	4.2	121.07	399.4	57.7	411.5	402.6	8.90	46.256	
1,200.0	1,198.7	1,233.9	1,216.8	4.7	4.5	122.08	396.5	53.5	414.6	405.4	9.23	44.942	
1,300.0	1,297.5	1,342.0	1,324.6	4.9	4.7	123.21	391.9	46.8	417.7	408.1	9.57	43.637	
1,400.0	1,395.6	1,450.3	1,432.2	5.1	5.0	124.48	385.6	37.5	420.7	410.8	9.94	42.327	
1,500.0	1,493.1	1,558.7	1,539.7	5.3	5.4	125.86	377.6	25.7	423.9	413.6	10.34	40.996	
1,600.0	1,589.6	1,664.4	1,644.1	5.5	5.7	127.34	368.1	11.9	427.4	416.7	10.71	39.918	
1,694.3	1,679.9	1,757.8	1,736.2	5.7	5.9	128.86	359.5	-0.8	432.4	421.3	11.09	38.981	
1,700.0	1,685.3	1,763.4	1,741.7	5.7	5.9	128.97	358.9	-1.6	432.8	421.6	11.11	38.939	
1,800.0	1,780.4	1,862.2	1,839.2	6.1	6.3	130.78	349.7	-15.0	439.5	427.7	11.83	37.151	
1,900.0	1,875.6	1,961.0	1,936.6	6.2	6.6	132.54	340.6	-28.5	446.7	434.4	12.29	36.348	
2,000.0	1,970.8	2,059.8	2,034.0	6.3	7.0	134.25	331.4	-42.0	454.3	441.6	12.78	35.560	
2,100.0	2,065.9	2,158.6	2,131.5	6.4	7.3	135.89	322.2	-55.5	462.3	449.1	13.29	34.795	
2,200.0	2,161.1	2,257.4	2,228.9	6.6	7.7	137.49	313.0	-68.9	470.7	456.9	13.82	34.057	
2,300.0	2,256.3	2,356.2	2,326.4	6.7	8.1	139.02	303.8	-82.4	479.5	465.1	14.38	33.350	
2,400.0	2,351.4	2,455.0	2,423.8	6.9	8.5	140.50	294.6	-95.9	488.5	473.6	14.95	32.676	
2,500.0	2,446.6	2,553.8	2,521.2	7.0	8.9	141.93	285.4	-109.3	497.9	482.4	15.54	32.037	
2,600.0	2,541.8	2,652.6	2,618.7	7.2	9.2	143.30	276.2	-122.8	507.6	491.5	16.15	31.434	
2,700.0	2,636.9	2,751.4	2,716.1	7.4	9.6	144.62	267.0	-136.3	517.6	500.8	16.77	30.867	
2,800.0	2,732.1	2,850.1	2,813.6	7.5	10.1	145.89	257.9	-149.7	527.8	510.4	17.40	30.334	
2,900.0	2,827.3	2,948.9	2,911.0	7.7	10.5	147.12	248.7	-163.2	538.3	520.2	18.04	29.836	
3,000.0	2,922.4	3,047.7	3,008.4	7.9	10.9	148.29	239.5	-176.7	549.0	530.3	18.69	29.370	
3,100.0	3,017.6	3,146.5	3,105.9	8.1	11.3	149.43	230.3	-190.2	560.0	540.6	19.35	28.935	
3,200.0	3,112.8	3,245.3	3,203.3	8.2	11.7	150.51	221.1	-203.6	571.1	551.1	20.02	28.530	
3,300.0	3,207.9	3,344.1	3,300.8	8.4	12.1	151.56	211.9	-217.1	582.5	561.8	20.69	28.153	
3,400.0	3,303.1	3,442.9	3,398.2	8.6	12.5	152.57	202.7	-230.6	594.0	572.6	21.37	27.802	
3,500.0	3,398.3	3,541.7	3,495.6	8.8	13.0	153.54	193.5	-244.0	605.7	583.7	22.05	27.475	
3,600.0	3,493.4	3,640.5	3,593.1	9.0	13.4	154.47	184.3	-257.5	617.6	594.9	22.73	27.171	
3,700.0	3,588.6	3,739.3	3,690.5	9.2	13.8	155.37	175.2	-271.0	629.6	606.2	23.42	26.888	
3,800.0	3,683.8	3,838.1	3,788.0	9.4	14.2	156.23	166.0	-284.4	641.8	617.7	24.11	26.624	
3,900.0	3,778.9	3,936.9	3,885.4	9.6	14.7	157.06	156.8	-297.9	654.1	629.3	24.80	26.379	
4,000.0	3,874.1	4,035.7	3,982.8	9.8	15.1	157.86	147.6	-311.4	666.6	641.1	25.49	26.150	
4,100.0	3,969.3	4,134.5	4,080.3	10.0	15.5	158.63	138.4	-324.9	679.2	653.0	26.18	25.938	
4,200.0	4,064.4	4,233.3	4,177.7	10.2	15.9	159.38	129.2	-338.3	691.9	665.0	26.88	25.739	
4,300.0	4,159.6	4,332.1	4,275.1	10.4	16.4	160.09	120.0	-351.8	704.7	677.1	27.58	25.554	
4,400.0	4,254.8	4,430.8	4,372.6	10.6	16.8	160.79	110.8	-365.3	717.6	689.3	28.27	25.382	
4,500.0	4,349.9	4,529.6	4,470.0	10.8	17.2	161.45	101.7	-378.7	730.6	701.6	28.97	25.221	
4,600.0	4,445.1	4,628.4	4,567.5	11.0	17.7	162.10	92.5	-392.2	743.7	714.1	29.67	25.071	
4,700.0	4,540.3	4,727.2	4,664.9	11.2	18.1	162.72	83.3	-405.7	756.9	726.6	30.36	24.930	
4,800.0	4,635.4	4,826.0	4,762.3	11.4	18.5	163.32	74.1	-419.2	770.2	739.2	31.06	24.799	
4,900.0	4,730.6	4,924.8	4,859.8	11.6	19.0	163.90	64.9	-432.6	783.6	751.8	31.75	24.676	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 708H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,825.8	5,023.6	4,957.2	11.8	19.4	164.46	55.7	-446.1	797.0	764.6	32.45	24.561	
5,100.0	4,920.9	5,122.4	5,054.7	12.0	19.8	165.00	46.5	-459.6	810.5	777.4	33.15	24.453	
5,200.0	5,016.1	5,221.2	5,152.1	12.2	20.3	165.52	37.3	-473.0	824.1	790.3	33.84	24.352	
5,300.0	5,111.3	5,320.0	5,249.5	12.4	20.7	166.03	28.1	-486.5	837.8	803.2	34.54	24.258	
5,400.0	5,206.4	5,418.8	5,347.0	12.7	21.2	166.52	19.0	-500.0	851.5	816.3	35.23	24.169	
5,500.0	5,301.6	5,517.6	5,444.4	12.9	21.6	167.00	9.8	-513.4	865.3	829.3	35.92	24.086	
5,600.0	5,396.8	5,616.4	5,541.9	13.1	22.0	167.46	0.6	-526.9	879.1	842.5	36.62	24.008	
5,700.0	5,491.9	5,715.2	5,639.3	13.3	22.5	167.91	-8.6	-540.4	893.0	855.7	37.31	23.934	
5,800.0	5,587.1	5,814.0	5,736.7	13.5	22.9	168.34	-17.8	-553.9	906.9	868.9	38.00	23.865	
5,900.0	5,682.3	5,912.8	5,834.2	13.7	23.3	168.76	-27.0	-567.3	920.9	882.2	38.69	23.800	
6,000.0	5,777.4	6,011.6	5,931.6	14.0	23.8	169.17	-36.2	-580.8	934.9	895.5	39.38	23.739	
6,100.0	5,872.6	6,110.3	6,029.0	14.2	24.2	169.56	-45.4	-594.3	949.0	908.9	40.07	23.682	
6,200.0	5,967.8	6,209.1	6,126.5	14.4	24.7	169.95	-54.6	-607.7	963.1	922.4	40.76	23.628	
6,276.2	6,040.3	6,284.4	6,200.7	14.6	25.0	170.23	-61.6	-618.0	973.9	932.6	41.28	23.595	
6,300.0	6,063.0	6,300.0	6,216.1	14.6	25.1	170.29	-63.0	-620.1	977.3	935.9	41.39	23.614	
6,400.0	6,158.5	6,389.2	6,304.3	14.8	25.5	170.63	-70.8	-631.5	991.2	949.2	42.02	23.591 SF	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 709H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	4.20	400.5	29.4	401.6	396.9	4.71	85.357	
100.0	100.0	117.0	100.0	3.1	1.3	4.20	400.5	29.4	401.6	396.4	5.23	76.786	
200.0	200.0	217.0	200.0	3.2	1.8	4.20	400.5	29.4	401.6	395.9	5.68	70.700	
300.0	300.0	317.0	300.0	3.4	2.2	4.20	400.5	29.4	401.6	395.5	6.10	65.841	
400.0	400.0	417.0	400.0	3.5	2.5	4.20	400.5	29.4	401.6	395.1	6.50	61.830	
500.0	500.0	517.0	500.0	3.6	2.8	4.20	400.5	29.4	401.6	394.8	6.87	58.440	
600.0	600.0	617.0	600.0	3.7	3.0	4.20	400.5	29.4	401.6	394.4	7.23	55.523	
700.0	700.0	717.0	700.0	3.9	3.3	4.20	400.5	29.4	401.6	394.0	7.58	52.975	
800.0	800.0	817.0	800.0	4.0	3.5	4.20	400.5	29.4	401.6	393.7	7.92	50.724 CC, ES	
900.0	900.0	917.0	900.0	4.1	3.7	115.38	400.5	29.4	402.4	394.1	8.25	48.782	
1,000.0	999.8	1,017.8	1,000.8	4.3	3.9	116.01	400.5	29.4	404.6	396.1	8.55	47.308	
1,100.0	1,099.5	1,123.0	1,106.0	4.5	4.2	116.88	399.7	27.6	407.6	398.7	8.86	46.000	
1,200.0	1,198.7	1,228.5	1,211.3	4.7	4.4	117.83	397.8	23.2	410.9	401.7	9.16	44.843	
1,300.0	1,297.5	1,334.1	1,316.6	4.9	4.7	118.87	394.6	16.1	414.5	405.1	9.48	43.750	
1,400.0	1,395.6	1,439.9	1,421.9	5.1	5.0	119.99	390.3	6.3	418.5	408.7	9.80	42.701	
1,500.0	1,493.1	1,545.8	1,527.0	5.3	5.3	121.18	384.7	-6.1	422.9	412.8	10.15	41.678	
1,600.0	1,589.6	1,652.1	1,631.9	5.5	5.7	122.44	378.0	-21.3	427.8	417.3	10.52	40.668	
1,694.3	1,679.9	1,752.5	1,730.6	5.7	6.0	123.68	370.5	-38.0	432.8	421.9	10.89	39.761	
1,700.0	1,685.3	1,758.5	1,736.5	5.7	6.1	123.76	370.0	-39.1	433.1	422.2	10.90	39.720	
1,800.0	1,780.4	1,865.4	1,841.0	6.1	6.4	125.01	360.8	-59.7	437.9	426.3	11.54	37.936	
1,900.0	1,875.6	1,965.1	1,938.2	6.2	6.7	126.01	351.7	-80.2	441.9	430.0	11.90	37.118	
2,000.0	1,970.8	2,064.8	2,035.3	6.3	7.1	126.98	342.6	-100.7	446.0	433.7	12.32	36.200	
2,100.0	2,065.9	2,164.4	2,132.3	6.4	7.5	127.94	333.5	-121.2	450.3	437.5	12.76	35.290	
2,200.0	2,161.1	2,264.0	2,229.4	6.6	7.9	128.88	324.4	-141.7	454.7	441.4	13.22	34.393	
2,300.0	2,256.3	2,363.6	2,326.5	6.7	8.3	129.80	315.3	-162.1	459.2	445.5	13.70	33.513	
2,400.0	2,351.4	2,463.3	2,423.6	6.9	8.7	130.70	306.1	-182.6	463.8	449.6	14.20	32.656	
2,500.0	2,446.6	2,562.9	2,520.6	7.0	9.1	131.59	297.0	-203.1	468.5	453.8	14.72	31.823	
2,600.0	2,541.8	2,662.5	2,617.7	7.2	9.5	132.46	287.9	-223.5	473.4	458.1	15.26	31.018	
2,700.0	2,636.9	2,762.2	2,714.8	7.4	10.0	133.31	278.8	-244.0	478.3	462.5	15.82	30.241	
2,800.0	2,732.1	2,861.8	2,811.9	7.5	10.4	134.14	269.7	-264.5	483.4	467.0	16.39	29.494	
2,900.0	2,827.3	2,961.4	2,908.9	7.7	10.8	134.95	260.6	-285.0	488.5	471.6	16.98	28.777	
3,000.0	2,922.4	3,061.0	3,006.0	7.9	11.3	135.75	251.4	-305.4	493.8	476.2	17.58	28.091	
3,100.0	3,017.6	3,160.7	3,103.1	8.1	11.7	136.53	242.3	-325.9	499.2	481.0	18.19	27.435	
3,200.0	3,112.8	3,260.3	3,200.1	8.2	12.2	137.30	233.2	-346.4	504.6	485.8	18.82	26.809	
3,300.0	3,207.9	3,359.9	3,297.2	8.4	12.6	138.05	224.1	-366.9	510.1	490.7	19.46	26.212	
3,400.0	3,303.1	3,459.5	3,394.3	8.6	13.1	138.78	215.0	-387.3	515.7	495.6	20.11	25.643	
3,500.0	3,398.3	3,559.2	3,491.4	8.8	13.5	139.49	205.9	-407.8	521.4	500.7	20.77	25.101	
3,600.0	3,493.4	3,658.8	3,588.4	9.0	14.0	140.19	196.8	-428.3	527.2	505.8	21.44	24.586	
3,700.0	3,588.6	3,758.4	3,685.5	9.2	14.4	140.88	187.6	-448.8	533.1	510.9	22.12	24.095	
3,800.0	3,683.8	3,858.0	3,782.6	9.4	14.9	141.55	178.5	-469.2	539.0	516.2	22.81	23.628	
3,900.0	3,778.9	3,957.7	3,879.7	9.6	15.4	142.21	169.4	-489.7	545.0	521.5	23.51	23.184	
4,000.0	3,874.1	4,057.3	3,976.7	9.8	15.8	142.85	160.3	-510.2	551.1	526.8	24.21	22.762	
4,100.0	3,969.3	4,156.9	4,073.8	10.0	16.3	143.47	151.2	-530.7	557.2	532.3	24.92	22.360	
4,200.0	4,064.4	4,256.6	4,170.9	10.2	16.8	144.09	142.1	-551.1	563.4	537.8	25.64	21.977	
4,300.0	4,159.6	4,356.2	4,268.0	10.4	17.2	144.69	132.9	-571.6	569.7	543.3	26.36	21.614	
4,400.0	4,254.8	4,455.8	4,365.0	10.6	17.7	145.28	123.8	-592.1	576.0	548.9	27.08	21.267	
4,500.0	4,349.9	4,555.4	4,462.1	10.8	18.2	145.85	114.7	-612.5	582.4	554.6	27.82	20.937	
4,600.0	4,445.1	4,655.1	4,559.2	11.0	18.6	146.41	105.6	-633.0	588.8	560.3	28.55	20.623	
4,700.0	4,540.3	4,754.7	4,656.3	11.2	19.1	146.96	96.5	-653.5	595.3	566.0	29.29	20.323	
4,800.0	4,635.4	4,854.3	4,753.3	11.4	19.6	147.50	87.4	-674.0	601.9	571.8	30.04	20.037	
4,900.0	4,730.6	4,953.9	4,850.4	11.6	20.0	148.03	78.3	-694.4	608.5	577.7	30.79	19.765	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 709H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,825.8	5,053.6	4,947.5	11.8	20.5	148.54	69.1	-714.9	615.1	583.6	31.54	19.505	
5,100.0	4,920.9	5,153.2	5,044.5	12.0	21.0	149.05	60.0	-735.4	621.8	589.5	32.29	19.257	
5,200.0	5,016.1	5,252.8	5,141.6	12.2	21.4	149.54	50.9	-755.9	628.6	595.5	33.05	19.019	
5,300.0	5,111.3	5,352.4	5,238.7	12.4	21.9	150.02	41.8	-776.3	635.4	601.6	33.81	18.793	
5,400.0	5,206.4	5,452.1	5,335.8	12.7	22.4	150.49	32.7	-796.8	642.2	607.6	34.57	18.576	
5,500.0	5,301.6	5,551.7	5,432.8	12.9	22.9	150.96	23.6	-817.3	649.1	613.8	35.34	18.369	
5,600.0	5,396.8	5,651.3	5,529.9	13.1	23.3	151.41	14.4	-837.8	656.0	619.9	36.10	18.170	
5,700.0	5,491.9	5,751.0	5,627.0	13.3	23.8	151.85	5.3	-858.2	663.0	626.1	36.87	17.980	
5,800.0	5,587.1	5,850.6	5,724.1	13.5	24.3	152.29	-3.8	-878.7	670.0	632.4	37.64	17.798	
5,900.0	5,682.3	5,950.2	5,821.1	13.7	24.8	152.71	-12.9	-899.2	677.0	638.6	38.42	17.624	
6,000.0	5,777.4	6,049.8	5,918.2	14.0	25.2	153.13	-22.0	-919.7	684.1	644.9	39.19	17.457	
6,100.0	5,872.6	6,149.5	6,015.3	14.2	25.7	153.54	-31.1	-940.1	691.2	651.3	39.96	17.296	
6,200.0	5,967.8	6,249.1	6,112.4	14.4	26.2	153.94	-40.2	-960.6	698.4	657.6	40.74	17.142	
6,276.2	6,040.3	6,325.0	6,186.3	14.6	26.5	154.24	-47.2	-976.2	703.8	662.5	41.33	17.031	
6,300.0	6,063.0	6,348.7	6,209.4	14.6	26.7	154.33	-49.4	-981.1	705.5	664.0	41.51	16.997	
6,400.0	6,158.5	6,448.4	6,306.6	14.8	27.1	154.70	-58.5	-1,001.6	711.6	669.3	42.28	16.830	
6,500.0	6,254.6	6,548.3	6,403.9	15.1	27.6	154.99	-67.6	-1,022.1	716.0	673.0	43.04	16.638	
6,600.0	6,351.1	6,648.2	6,501.2	15.3	28.1	155.22	-76.8	-1,042.6	719.0	675.2	43.78	16.422	
6,700.0	6,448.1	6,746.5	6,597.0	15.5	28.6	155.38	-85.7	-1,062.8	720.3	675.9	44.49	16.190	
6,800.0	6,545.4	6,836.0	6,684.4	15.7	29.0	155.49	-93.6	-1,080.4	721.1	675.9	45.14	15.973	
6,900.0	6,643.2	6,925.5	6,772.1	15.9	29.4	155.60	-100.8	-1,096.7	721.7	675.9	45.78	15.764	
7,000.0	6,741.3	7,015.0	6,860.1	16.1	29.8	155.69	-107.5	-1,111.8	722.1	675.7	46.39	15.566	
7,100.0	6,839.7	7,100.0	6,943.9	16.3	30.2	155.77	-113.4	-1,124.9	722.5	675.5	46.94	15.390	
7,200.0	6,938.5	7,194.0	7,036.7	16.5	30.6	155.84	-119.3	-1,138.1	722.7	675.1	47.54	15.200	
7,300.0	7,037.5	7,283.4	7,125.3	16.7	31.0	155.90	-124.3	-1,149.4	722.7	674.6	48.08	15.032	
7,400.0	7,136.7	7,372.9	7,214.1	16.9	31.4	155.95	-128.8	-1,159.4	722.6	674.0	48.59	14.873	
7,500.0	7,236.1	7,462.4	7,303.1	17.1	31.7	155.99	-132.7	-1,168.2	722.4	673.4	49.07	14.723	
7,600.0	7,335.7	7,551.8	7,392.1	17.3	32.1	156.01	-136.0	-1,175.6	722.1	672.6	49.51	14.583	
7,700.0	7,435.4	7,641.3	7,481.4	17.4	32.4	156.02	-138.7	-1,181.8	721.6	671.7	49.93	14.453	
7,800.0	7,535.3	7,730.8	7,570.7	17.6	32.7	156.03	-140.9	-1,186.8	721.0	670.7	50.30	14.333	
7,900.0	7,635.2	7,820.3	7,660.1	17.8	33.0	156.02	-142.6	-1,190.4	720.2	669.6	50.63	14.224	
8,000.0	7,735.2	7,909.8	7,749.5	17.9	33.3	156.00	-143.6	-1,192.8	719.3	668.4	50.91	14.129	
8,064.8	7,800.0	7,967.8	7,807.5	17.9	33.4	45.02	-144.0	-1,193.7	718.7	667.7	51.02	14.087	
8,100.0	7,835.2	8,000.0	7,839.8	17.9	33.5	45.01	-144.1	-1,193.9	718.4	667.3	51.07	14.068	
8,147.6	7,882.8	8,043.0	7,882.8	17.9	33.6	45.01	-144.2	-1,194.0	718.3	667.2	51.05	14.070	
8,197.3	7,932.5	8,092.7	7,932.5	17.9	33.6	45.01	-144.2	-1,194.0	718.3	667.2	51.06	14.069	
8,200.0	7,935.2	8,095.4	7,935.2	17.9	33.6	45.20	-144.2	-1,194.0	718.3	667.2	51.06	14.068	
8,225.0	7,960.2	8,120.4	7,960.2	18.0	33.6	45.30	-144.2	-1,194.0	717.7	666.8	50.95	14.086	
8,250.0	7,985.1	8,145.3	7,985.1	18.0	33.6	45.54	-144.2	-1,194.0	716.2	665.3	50.99	14.048	
8,275.0	8,009.8	8,170.1	8,009.8	18.0	33.6	45.94	-144.2	-1,194.0	713.9	662.8	51.04	13.987	
8,300.0	8,034.4	8,194.6	8,034.4	18.0	33.6	46.50	-144.2	-1,194.0	710.6	659.5	51.10	13.905	
8,325.0	8,058.7	8,218.9	8,058.7	18.0	33.6	47.21	-144.2	-1,194.0	706.4	655.3	51.18	13.803	
8,350.0	8,082.6	8,242.8	8,082.6	18.0	33.6	48.09	-144.2	-1,194.0	701.4	650.2	51.28	13.679	
8,375.0	8,106.1	8,266.4	8,106.1	18.0	33.6	49.13	-144.2	-1,194.0	695.7	644.3	51.39	13.537	
8,400.0	8,129.2	8,289.4	8,129.2	18.0	33.6	50.34	-144.2	-1,194.0	689.1	637.6	51.51	13.377	
8,425.0	8,151.7	8,311.9	8,151.7	18.0	33.6	51.71	-144.2	-1,194.0	681.8	630.2	51.65	13.201	
8,450.0	8,173.6	8,333.8	8,173.6	18.0	33.6	53.26	-144.2	-1,194.0	673.9	622.1	51.80	13.010	
8,475.0	8,194.8	8,355.0	8,194.8	18.0	33.6	54.97	-144.2	-1,194.0	665.3	613.4	51.96	12.806	
8,500.0	8,215.3	8,375.6	8,215.3	18.0	33.6	56.84	-144.2	-1,194.0	656.2	604.1	52.12	12.590	
8,525.0	8,235.1	8,395.3	8,235.1	18.0	33.6	58.86	-144.2	-1,194.0	646.7	594.4	52.30	12.366	
8,550.0	8,254.0	8,414.2	8,254.0	18.0	33.6	61.03	-144.2	-1,194.0	636.8	584.3	52.47	12.135	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 709H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,575.0	8,272.0	8,432.3	8,272.0	18.0	33.6	63.31	-144.2	-1,194.0	626.5	573.9	52.65	11.900	
8,600.0	8,289.1	8,449.4	8,289.1	18.0	33.6	65.70	-144.2	-1,194.0	616.1	563.3	52.83	11.663	
8,625.0	8,305.2	8,465.5	8,305.2	18.0	33.6	68.15	-144.2	-1,194.0	605.6	552.6	52.99	11.427	
8,650.0	8,320.3	8,480.6	8,320.3	18.1	33.6	70.64	-144.2	-1,194.0	595.1	541.9	53.15	11.196	
8,675.0	8,334.4	8,494.6	8,334.4	18.1	33.6	73.12	-144.2	-1,194.0	584.7	531.4	53.29	10.972	
8,700.0	8,347.3	8,507.6	8,347.3	18.1	33.6	75.56	-144.2	-1,194.0	574.5	521.1	53.40	10.759	
8,725.0	8,359.1	8,519.4	8,359.1	18.1	33.6	77.92	-144.2	-1,194.0	564.7	511.2	53.48	10.559	
8,750.0	8,369.8	8,530.0	8,369.8	18.1	33.6	80.15	-144.2	-1,194.0	555.3	501.8	53.52	10.376	
8,775.0	8,379.2	8,539.4	8,379.2	18.1	33.6	82.22	-144.2	-1,194.0	546.5	493.0	53.51	10.213	
8,800.0	8,387.4	8,547.7	8,387.4	18.2	33.6	84.09	-144.2	-1,194.0	538.5	485.0	53.45	10.073	
8,825.0	8,394.4	8,554.6	8,394.4	18.2	33.6	85.75	-144.2	-1,194.0	531.2	477.9	53.33	9.960	
8,850.0	8,400.1	8,560.3	8,400.1	18.2	33.6	87.15	-144.2	-1,194.0	524.9	471.7	53.14	9.876	
8,875.0	8,404.5	8,564.7	8,404.5	18.2	33.6	88.29	-144.2	-1,194.0	519.5	466.7	52.88	9.825	
8,900.0	8,407.6	8,567.9	8,407.6	18.3	33.6	89.16	-144.2	-1,194.0	515.3	462.8	52.55	9.807 SF	
8,925.0	8,409.4	8,569.7	8,409.4	18.3	33.6	89.73	-144.2	-1,194.0	512.2	460.1	52.13	9.826	
8,947.3	8,410.0	8,570.2	8,410.0	18.3	33.6	90.00	-144.2	-1,194.0	510.5	458.8	51.70	9.874	
8,976.0	8,410.0	8,570.2	8,410.0	18.4	33.6	90.00	-144.2	-1,194.0	509.7	458.6	51.06	9.982	
9,000.0	8,410.0	8,570.2	8,410.0	18.4	33.6	90.00	-144.2	-1,194.0	510.3	459.8	50.46	10.113	
9,100.0	8,410.0	8,570.2	8,410.0	18.6	33.6	90.00	-144.2	-1,194.0	524.6	477.1	47.49	11.046	
9,200.0	8,409.9	8,570.2	8,409.9	18.8	33.6	90.00	-144.2	-1,194.0	556.8	512.5	44.22	12.592	
9,300.0	8,409.9	8,570.2	8,409.9	19.0	33.6	90.00	-144.2	-1,194.0	604.0	562.8	41.20	14.659	
9,400.0	8,409.9	8,570.2	8,409.9	19.3	33.6	90.00	-144.2	-1,194.0	663.0	624.3	38.75	17.109	
9,500.0	8,409.9	8,570.2	8,409.9	19.6	33.6	90.00	-144.2	-1,194.0	731.0	694.1	36.93	19.796	
9,600.0	8,409.9	8,570.2	8,409.9	19.9	33.6	90.00	-144.2	-1,194.0	805.7	770.1	35.65	22.603	
9,700.0	8,409.9	8,570.2	8,409.9	20.3	33.6	89.99	-144.2	-1,194.0	885.5	850.7	34.79	25.451	
9,800.0	8,409.9	8,570.1	8,409.9	20.6	33.6	89.99	-144.2	-1,194.0	968.9	934.7	34.24	28.295	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 710H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	-0.07	400.6	-0.5	400.6	395.9	4.71	85.146	
100.0	100.0	117.0	100.0	3.1	1.3	-0.07	400.6	-0.5	400.6	395.4	5.23	76.595	
200.0	200.0	217.0	200.0	3.2	1.8	-0.07	400.6	-0.5	400.6	395.0	5.68	70.524	
300.0	300.0	317.0	300.0	3.4	2.2	-0.07	400.6	-0.5	400.6	394.5	6.10	65.676	
400.0	400.0	417.0	400.0	3.5	2.5	-0.07	400.6	-0.5	400.6	394.1	6.50	61.675	
500.0	500.0	517.0	500.0	3.6	2.8	-0.07	400.6	-0.5	400.6	393.8	6.87	58.293	
600.0	600.0	617.0	600.0	3.7	3.0	-0.07	400.6	-0.5	400.6	393.4	7.23	55.383	
700.0	700.0	717.0	700.0	3.9	3.3	-0.07	400.6	-0.5	400.6	393.1	7.58	52.841	
800.0	800.0	817.0	800.0	4.0	3.5	-0.07	400.6	-0.5	400.6	392.7	7.92	50.594	
900.0	900.0	917.0	900.0	4.1	3.7	111.11	400.6	-0.5	401.3	393.0	8.24	48.678	
1,000.0	999.8	1,017.3	1,000.3	4.3	3.9	111.76	400.6	-0.6	403.2	394.6	8.54	47.203	
1,100.0	1,099.5	1,119.7	1,102.7	4.5	4.2	112.63	400.2	-2.3	406.0	397.2	8.83	45.981	
1,200.0	1,198.7	1,222.3	1,205.2	4.7	4.4	113.56	399.2	-6.8	409.7	400.5	9.11	44.963	
1,300.0	1,297.5	1,325.0	1,307.6	4.9	4.7	114.55	397.5	-14.0	414.1	404.7	9.39	44.076	
1,400.0	1,395.6	1,427.9	1,410.0	5.1	5.0	115.58	395.2	-23.8	419.3	409.6	9.69	43.295	
1,500.0	1,493.1	1,530.9	1,512.2	5.3	5.3	116.65	392.3	-36.4	425.4	415.4	9.99	42.600	
1,600.0	1,589.6	1,634.2	1,614.3	5.5	5.6	117.75	388.8	-51.7	432.4	422.1	10.30	41.971	
1,694.3	1,679.9	1,731.8	1,710.3	5.7	6.0	118.81	384.9	-68.6	439.7	429.1	10.61	41.462	
1,700.0	1,685.3	1,737.6	1,716.1	5.7	6.0	118.88	384.7	-69.7	440.2	429.6	10.62	41.445	
1,800.0	1,780.4	1,841.5	1,817.7	6.1	6.4	119.95	379.9	-90.5	447.9	436.7	11.24	39.860	
1,900.0	1,875.6	1,945.9	1,919.3	6.2	6.8	120.65	374.4	-114.1	454.8	443.2	11.54	39.406	
2,000.0	1,970.8	2,046.6	2,016.8	6.3	7.1	121.10	368.8	-138.6	460.9	449.1	11.83	38.955	
2,100.0	2,065.9	2,146.4	2,113.4	6.4	7.5	121.53	363.1	-162.9	467.1	454.9	12.18	38.354	
2,200.0	2,161.1	2,246.1	2,210.0	6.6	7.9	121.94	357.5	-187.2	473.3	460.7	12.54	37.748	
2,300.0	2,256.3	2,345.9	2,306.5	6.7	8.3	122.34	351.9	-211.6	479.5	466.6	12.91	37.141	
2,400.0	2,351.4	2,445.7	2,403.1	6.9	8.7	122.73	346.3	-235.9	485.7	472.4	13.29	36.536	
2,500.0	2,446.6	2,545.4	2,499.7	7.0	9.1	123.12	340.7	-260.3	491.9	478.3	13.69	35.936	
2,600.0	2,541.8	2,645.2	2,596.3	7.2	9.6	123.49	335.0	-284.6	498.2	484.1	14.10	35.343	
2,700.0	2,636.9	2,744.9	2,692.8	7.4	10.0	123.85	329.4	-308.9	504.5	490.0	14.51	34.759	
2,800.0	2,732.1	2,844.7	2,789.4	7.5	10.4	124.21	323.8	-333.3	510.8	495.9	14.94	34.185	
2,900.0	2,827.3	2,944.4	2,886.0	7.7	10.9	124.55	318.2	-357.6	517.2	501.8	15.38	33.623	
3,000.0	2,922.4	3,044.2	2,982.6	7.9	11.3	124.89	312.6	-381.9	523.5	507.7	15.83	33.073	
3,100.0	3,017.6	3,143.9	3,079.1	8.1	11.8	125.22	307.0	-406.3	529.9	513.6	16.29	32.537	
3,200.0	3,112.8	3,243.7	3,175.7	8.2	12.2	125.54	301.3	-430.6	536.2	519.5	16.75	32.014	
3,300.0	3,207.9	3,343.4	3,272.3	8.4	12.7	125.86	295.7	-454.9	542.6	525.4	17.22	31.506	
3,400.0	3,303.1	3,443.2	3,368.8	8.6	13.2	126.17	290.1	-479.3	549.1	531.4	17.71	31.011	
3,500.0	3,398.3	3,542.9	3,465.4	8.8	13.6	126.46	284.5	-503.6	555.5	537.3	18.19	30.532	
3,600.0	3,493.4	3,642.7	3,562.0	9.0	14.1	126.76	278.9	-527.9	561.9	543.3	18.69	30.066	
3,700.0	3,588.6	3,742.4	3,658.6	9.2	14.6	127.04	273.2	-552.3	568.4	549.2	19.19	29.615	
3,800.0	3,683.8	3,842.2	3,755.1	9.4	15.0	127.32	267.6	-576.6	574.9	555.2	19.70	29.177	
3,900.0	3,778.9	3,941.9	3,851.7	9.6	15.5	127.60	262.0	-601.0	581.4	561.1	20.22	28.753	
4,000.0	3,874.1	4,041.7	3,948.3	9.8	16.0	127.87	256.4	-625.3	587.9	567.1	20.74	28.343	
4,100.0	3,969.3	4,141.4	4,044.9	10.0	16.5	128.13	250.8	-649.6	594.4	573.1	21.27	27.946	
4,200.0	4,064.4	4,241.2	4,141.4	10.2	16.9	128.38	245.2	-674.0	600.9	579.1	21.80	27.562	
4,300.0	4,159.6	4,340.9	4,238.0	10.4	17.4	128.63	239.5	-698.3	607.4	585.1	22.34	27.190	
4,400.0	4,254.8	4,440.7	4,334.6	10.6	17.9	128.88	233.9	-722.6	614.0	591.1	22.88	26.830	
4,500.0	4,349.9	4,540.4	4,431.2	10.8	18.4	129.12	228.3	-747.0	620.5	597.1	23.43	26.481	
4,600.0	4,445.1	4,640.2	4,527.7	11.0	18.8	129.35	222.7	-771.3	627.1	603.1	23.99	26.144	
4,700.0	4,540.3	4,739.9	4,624.3	11.2	19.3	129.58	217.1	-795.6	633.7	609.1	24.54	25.818	
4,800.0	4,635.4	4,839.7	4,720.9	11.4	19.8	129.81	211.4	-820.0	640.3	615.2	25.11	25.502	
4,900.0	4,730.6	4,939.4	4,817.5	11.6	20.3	130.03	205.8	-844.3	646.9	621.2	25.67	25.196	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 710H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,825.8	5,039.2	4,914.0	11.8	20.8	130.25	200.2	-868.6	653.5	627.2	26.24	24.900	
5,100.0	4,920.9	5,138.9	5,010.6	12.0	21.2	130.46	194.6	-893.0	660.1	633.3	26.82	24.614	
5,200.0	5,016.1	5,238.7	5,107.2	12.2	21.7	130.67	189.0	-917.3	666.7	639.3	27.40	24.336	
5,300.0	5,111.3	5,338.4	5,203.8	12.4	22.2	130.87	183.4	-941.7	673.4	645.4	27.98	24.067	
5,400.0	5,206.4	5,438.2	5,300.3	12.7	22.7	131.07	177.7	-966.0	680.0	651.4	28.56	23.807	
5,500.0	5,301.6	5,537.9	5,396.9	12.9	23.2	131.27	172.1	-990.3	686.7	657.5	29.15	23.554	
5,600.0	5,396.8	5,637.7	5,493.5	13.1	23.7	131.46	166.5	-1,014.7	693.3	663.6	29.74	23.309	
5,700.0	5,491.9	5,737.4	5,590.1	13.3	24.1	131.65	160.9	-1,039.0	700.0	669.7	30.34	23.072	
5,800.0	5,587.1	5,837.2	5,686.6	13.5	24.6	131.83	155.3	-1,063.3	706.7	675.7	30.94	22.842	
5,900.0	5,682.3	5,936.9	5,783.2	13.7	25.1	132.01	149.6	-1,087.7	713.3	681.8	31.54	22.618	
6,000.0	5,777.4	6,036.7	5,879.8	14.0	25.6	132.19	144.0	-1,112.0	720.0	687.9	32.14	22.401	
6,100.0	5,872.6	6,136.4	5,976.3	14.2	26.1	132.37	138.4	-1,136.3	726.7	694.0	32.75	22.191	
6,200.0	5,967.8	6,236.2	6,072.9	14.4	26.6	132.54	132.8	-1,160.7	733.4	700.1	33.36	21.986	
6,276.2	6,040.3	6,312.2	6,146.5	14.6	26.9	132.67	128.5	-1,179.2	738.5	704.7	33.82	21.839	
6,300.0	6,063.0	6,336.0	6,169.5	14.6	27.1	132.71	127.2	-1,185.0	740.1	706.1	33.96	21.794	
6,400.0	6,158.5	6,435.8	6,266.1	14.8	27.5	132.85	121.5	-1,209.4	745.9	711.4	34.55	21.590	
6,500.0	6,254.6	6,535.7	6,362.8	15.1	28.0	132.88	115.9	-1,233.7	750.6	715.5	35.11	21.381	
6,600.0	6,351.1	6,635.6	6,459.6	15.3	28.5	132.80	110.3	-1,258.1	754.1	718.4	35.63	21.166	
6,700.0	6,448.1	6,735.5	6,556.3	15.5	29.0	132.62	104.7	-1,282.5	756.4	720.3	36.11	20.945	
6,800.0	6,545.4	6,835.4	6,653.1	15.7	29.5	132.33	99.0	-1,306.9	757.5	720.9	36.56	20.721	
6,900.0	6,643.2	6,935.3	6,749.8	15.9	30.0	131.94	93.4	-1,331.2	757.5	720.5	36.96	20.494	
7,000.0	6,741.3	7,035.1	6,846.4	16.1	30.5	131.44	87.8	-1,355.6	756.3	719.0	37.32	20.265	
7,100.0	6,839.7	7,134.8	6,942.9	16.3	31.0	130.83	82.2	-1,379.9	754.1	716.5	37.63	20.037	
7,200.0	6,938.5	7,234.3	7,039.2	16.5	31.5	130.11	76.6	-1,404.2	750.8	712.9	37.90	19.812	
7,300.0	7,037.5	7,333.6	7,135.4	16.7	31.9	129.28	71.0	-1,428.4	746.5	708.4	38.11	19.591	
7,400.0	7,136.7	7,432.8	7,231.4	16.9	32.4	128.32	65.4	-1,452.6	741.3	703.1	38.26	19.377	
7,500.0	7,236.1	7,531.7	7,327.2	17.1	32.9	127.24	59.8	-1,476.7	735.3	696.9	38.34	19.177	
7,600.0	7,335.7	7,622.6	7,415.4	17.3	33.4	126.19	54.9	-1,498.0	728.9	690.6	38.35	19.008	
7,700.0	7,435.4	7,713.4	7,504.0	17.4	33.8	125.18	50.5	-1,517.2	722.9	684.6	38.34	18.854	
7,800.0	7,535.3	7,804.6	7,593.5	17.6	34.2	124.19	46.5	-1,534.5	717.2	678.9	38.31	18.723	
7,900.0	7,635.2	7,896.2	7,683.8	17.8	34.6	123.25	43.0	-1,549.7	711.8	673.6	38.24	18.614	
8,000.0	7,735.2	7,988.2	7,774.7	17.9	35.1	122.34	39.9	-1,562.8	706.7	668.6	38.16	18.519	
8,064.8	7,800.0	8,048.0	7,834.1	17.9	35.3	10.81	38.2	-1,570.2	703.5	665.5	38.08	18.474	
8,100.0	7,835.2	8,080.5	7,866.4	17.9	35.4	10.53	37.4	-1,573.9	701.9	663.9	38.03	18.454	
8,197.3	7,932.5	8,170.8	7,956.2	17.9	35.8	9.86	35.4	-1,582.6	698.1	660.2	37.94	18.400	
8,200.0	7,935.2	8,173.3	7,958.7	17.9	35.8	10.04	35.3	-1,582.8	698.0	660.1	37.94	18.399	
8,225.0	7,960.2	8,196.6	7,981.9	18.0	35.9	9.93	34.9	-1,584.7	696.4	658.4	37.99	18.332	
8,250.0	7,985.1	8,219.7	8,005.0	18.0	36.0	9.88	34.5	-1,586.4	693.6	655.6	37.99	18.258	
8,275.0	8,009.8	8,242.8	8,028.0	18.0	36.1	9.88	34.1	-1,588.0	689.6	651.6	38.00	18.148	
8,300.0	8,034.4	8,265.6	8,050.8	18.0	36.2	9.94	33.8	-1,589.5	684.3	646.3	38.02	18.000	
8,325.0	8,058.7	8,288.2	8,073.3	18.0	36.3	10.05	33.5	-1,590.8	677.9	639.8	38.05	17.816	
8,350.0	8,082.6	8,310.5	8,095.6	18.0	36.3	10.22	33.2	-1,592.0	670.3	632.2	38.09	17.597	
8,375.0	8,106.1	8,332.5	8,117.5	18.0	36.4	10.46	33.0	-1,593.0	661.5	623.3	38.14	17.344	
8,400.0	8,129.2	8,354.0	8,139.0	18.0	36.5	10.76	32.8	-1,593.9	651.5	613.3	38.20	17.057	
8,425.0	8,151.7	8,375.0	8,160.0	18.0	36.5	11.15	32.6	-1,594.6	640.5	602.2	38.27	16.736	
8,450.0	8,173.6	8,395.5	8,180.5	18.0	36.6	11.62	32.5	-1,595.2	628.4	590.0	38.35	16.384	
8,475.0	8,194.8	8,415.4	8,200.4	18.0	36.6	12.18	32.3	-1,595.7	615.2	576.7	38.44	16.004	
8,500.0	8,215.3	8,434.7	8,219.6	18.0	36.7	12.86	32.3	-1,596.1	601.0	562.4	38.54	15.595	
8,525.0	8,235.1	8,453.2	8,238.2	18.0	36.7	13.68	32.2	-1,596.4	585.8	547.1	38.65	15.157	
8,550.0	8,254.0	8,471.0	8,256.0	18.0	36.7	14.64	32.1	-1,596.6	569.6	530.9	38.77	14.692	
8,575.0	8,272.0	8,488.0	8,273.0	18.0	36.8	15.79	32.1	-1,596.7	552.6	513.7	38.91	14.201	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 710H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,600.0	8,289.1	8,504.4	8,289.4	18.0	36.8	17.17	32.1	-1,596.7	534.7	495.6	39.06	13.689	
8,625.0	8,305.2	8,520.3	8,305.2	18.0	36.8	18.83	32.1	-1,596.7	516.0	476.8	39.24	13.152	
8,650.0	8,320.3	8,535.4	8,320.3	18.1	36.8	20.83	32.1	-1,596.7	496.6	457.1	39.43	12.592	
8,675.0	8,334.4	8,549.4	8,334.4	18.1	36.8	23.23	32.1	-1,596.7	476.4	436.7	39.65	12.014	
8,700.0	8,347.3	8,562.4	8,347.3	18.1	36.8	26.14	32.1	-1,596.7	455.6	415.7	39.90	11.419	
8,725.0	8,359.1	8,574.2	8,359.1	18.1	36.8	29.66	32.1	-1,596.7	434.2	394.0	40.17	10.808	
8,750.0	8,369.8	8,584.8	8,369.8	18.1	36.8	33.94	32.1	-1,596.7	412.3	371.8	40.48	10.185	
8,775.0	8,379.2	8,594.2	8,379.2	18.1	36.8	39.10	32.1	-1,596.7	390.0	349.2	40.84	9.550	
8,800.0	8,387.4	8,602.4	8,387.4	18.2	36.8	45.24	32.1	-1,596.7	367.4	326.1	41.24	8.908	
8,825.0	8,394.4	8,609.4	8,394.4	18.2	36.8	52.37	32.1	-1,596.7	344.5	302.8	41.71	8.259	
8,850.0	8,400.1	8,615.1	8,400.1	18.2	36.8	60.31	32.1	-1,596.7	321.5	279.2	42.26	7.607	
8,875.0	8,404.5	8,619.5	8,404.5	18.2	36.8	68.67	32.1	-1,596.7	298.4	255.5	42.90	6.956	
8,900.0	8,407.6	8,622.6	8,407.6	18.3	36.8	76.87	32.1	-1,596.7	275.4	231.8	43.65	6.309	
8,925.0	8,409.4	8,624.5	8,409.4	18.3	36.8	84.33	32.1	-1,596.7	252.6	208.1	44.55	5.671	
8,947.3	8,410.0	8,625.0	8,410.0	18.3	36.8	90.01	32.1	-1,596.7	232.6	187.1	45.50	5.113	
9,000.0	8,410.0	8,625.0	8,410.0	18.4	36.8	90.01	32.1	-1,596.7	187.5	139.1	48.45	3.870	
9,100.0	8,410.0	8,625.0	8,410.0	18.6	36.8	90.00	32.1	-1,596.7	120.2	63.6	56.62	2.123	Caution - Monitor Closely
9,153.6	8,410.0	8,625.0	8,410.0	18.7	36.8	90.00	32.1	-1,596.7	107.6	50.6	56.97	1.888	Caution - Monitor Closely, CC, ES, SF
9,200.0	8,409.9	8,625.0	8,409.9	18.8	36.8	90.00	32.1	-1,596.7	117.1	65.9	51.24	2.286	Caution - Monitor Closely
9,300.0	8,409.9	8,625.0	8,409.9	19.0	36.8	89.99	32.1	-1,596.7	181.7	142.1	39.55	4.593	
9,400.0	8,409.9	8,625.0	8,409.9	19.3	36.8	89.99	32.1	-1,596.7	268.8	233.0	35.87	7.496	
9,500.0	8,409.9	8,624.9	8,409.9	19.6	36.8	89.99	32.1	-1,596.7	362.7	327.8	34.90	10.394	
9,600.0	8,409.9	8,624.9	8,409.9	19.9	36.8	89.98	32.1	-1,596.7	459.2	424.5	34.67	13.243	
9,700.0	8,409.9	8,624.9	8,409.9	20.3	36.8	89.98	32.1	-1,596.7	556.9	522.2	34.67	16.061	
9,800.0	8,409.9	8,624.9	8,409.9	20.6	36.8	89.98	32.1	-1,596.7	655.3	620.5	34.75	18.858	
9,900.0	8,409.9	8,624.9	8,409.9	21.0	36.8	89.97	32.1	-1,596.7	754.1	719.3	34.84	21.642	
10,000.0	8,409.9	8,624.9	8,409.9	21.4	36.8	89.97	32.1	-1,596.7	853.2	818.3	34.95	24.414	
10,100.0	8,409.9	8,624.9	8,409.9	21.9	36.8	89.96	32.1	-1,596.7	952.5	917.4	35.05	27.179	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 906H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	30.78	200.6	119.5	233.5	228.8	4.71	49.632	
100.0	100.0	117.0	100.0	3.1	1.3	30.78	200.6	119.5	233.5	228.3	5.23	44.653	
200.0	200.0	217.0	200.0	3.2	1.8	30.78	200.6	119.5	233.5	227.9	5.68	41.126	
300.0	300.0	317.0	300.0	3.4	2.2	30.78	200.6	119.5	233.5	227.4	6.09	38.315	
400.0	400.0	417.0	400.0	3.5	2.5	30.78	200.6	119.5	233.5	227.0	6.49	35.998	
500.0	500.0	517.0	500.0	3.6	2.8	30.78	200.6	119.5	233.5	226.7	6.86	34.041	
600.0	600.0	617.0	600.0	3.7	3.0	30.78	200.6	119.5	233.5	226.3	7.22	32.359	
700.0	700.0	717.0	700.0	3.9	3.3	30.78	200.6	119.5	233.5	226.0	7.56	30.891	
800.0	800.0	817.0	800.0	4.0	3.5	30.78	200.6	119.5	233.5	225.6	7.89	29.595 CC, ES	
900.0	900.0	917.0	900.0	4.1	3.7	141.99	200.6	119.5	234.9	226.6	8.27	28.402	
1,000.0	999.8	1,017.4	1,000.4	4.3	3.9	142.73	200.6	119.5	239.0	230.4	8.63	27.712	
1,100.0	1,099.5	1,120.2	1,103.1	4.5	4.2	144.30	199.0	120.4	245.2	236.2	8.97	27.324	
1,200.0	1,198.7	1,222.3	1,205.2	4.7	4.4	146.77	194.9	122.6	253.2	243.9	9.31	27.184 SF	
1,300.0	1,297.5	1,323.5	1,306.1	4.9	4.7	149.97	188.5	125.9	263.6	253.9	9.66	27.281	
1,400.0	1,395.6	1,423.5	1,405.6	5.1	4.9	153.70	179.9	130.5	277.0	267.0	10.02	27.655	
1,500.0	1,493.1	1,522.0	1,503.4	5.3	5.2	157.76	169.2	136.2	294.1	283.7	10.38	28.343	
1,600.0	1,589.6	1,618.7	1,599.0	5.5	5.5	161.95	156.5	143.0	315.3	304.6	10.72	29.404	
1,694.3	1,679.9	1,707.7	1,686.7	5.7	5.8	165.80	143.1	150.1	339.4	328.5	10.98	30.924	
1,700.0	1,685.3	1,713.0	1,691.9	5.7	5.8	166.03	142.3	150.5	341.0	330.0	10.99	31.031	
1,800.0	1,780.4	1,806.1	1,783.6	6.1	6.1	169.73	128.0	158.1	369.8	358.3	11.52	32.091	
1,900.0	1,875.6	1,899.1	1,875.2	6.2	6.4	172.92	113.7	165.7	399.8	388.0	11.79	33.900	
2,000.0	1,970.8	1,992.2	1,966.9	6.3	6.7	175.67	99.5	173.3	430.9	418.8	12.07	35.687	
2,100.0	2,065.9	2,085.3	2,058.5	6.4	7.0	178.06	85.2	180.9	462.8	450.4	12.36	37.433	
2,200.0	2,161.1	2,178.4	2,150.2	6.6	7.4	-179.86	70.9	188.5	495.3	482.6	12.66	39.121	
2,300.0	2,256.3	2,271.4	2,241.9	6.7	7.7	-178.02	56.7	196.1	528.3	515.4	12.97	40.741	
2,400.0	2,351.4	2,364.5	2,333.5	6.9	8.1	-176.40	42.4	203.6	561.8	548.5	13.28	42.289	
2,500.0	2,446.6	2,457.6	2,425.2	7.0	8.5	-174.95	28.1	211.2	595.7	582.0	13.61	43.761	
2,600.0	2,541.8	2,550.6	2,516.8	7.2	8.8	-173.66	13.9	218.8	629.8	615.9	13.95	45.157	
2,700.0	2,636.9	2,643.7	2,608.5	7.4	9.2	-172.50	-0.4	226.4	664.2	649.9	14.29	46.477	
2,800.0	2,732.1	2,736.8	2,700.1	7.5	9.6	-171.45	-14.7	234.0	698.9	684.2	14.64	47.723	
2,900.0	2,827.3	2,829.8	2,791.8	7.7	10.0	-170.50	-28.9	241.6	733.7	718.7	15.00	48.899	
3,000.0	2,922.4	2,922.9	2,883.4	7.9	10.4	-169.64	-43.2	249.2	768.7	753.3	15.36	50.031	
3,100.0	3,017.6	3,016.9	2,976.0	8.1	10.7	-168.85	-57.6	256.8	803.8	788.1	15.71	51.175	
3,200.0	3,112.8	3,112.2	3,070.0	8.2	11.1	-168.16	-71.5	264.2	838.8	822.7	16.10	52.111	
3,300.0	3,207.9	3,207.9	3,164.5	8.4	11.5	-167.57	-84.8	271.3	873.7	857.2	16.49	52.997	
3,400.0	3,303.1	3,303.9	3,259.4	8.6	11.9	-167.09	-97.5	278.0	908.4	891.5	16.88	53.827	
3,500.0	3,398.3	3,400.2	3,354.7	8.8	12.3	-166.68	-109.5	284.4	942.8	925.5	17.27	54.606	
3,600.0	3,493.4	3,496.8	3,450.5	9.0	12.7	-166.35	-120.8	290.4	977.0	959.4	17.66	55.339	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 907H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	24.05	200.6	89.5	219.6	214.9	4.71	46.676	
100.0	100.0	117.0	100.0	3.1	1.3	24.05	200.6	89.5	219.6	214.4	5.23	41.992	
200.0	200.0	217.0	200.0	3.2	1.8	24.05	200.6	89.5	219.6	213.9	5.68	38.671	
300.0	300.0	317.0	300.0	3.4	2.2	24.05	200.6	89.5	219.6	213.5	6.10	36.022	
400.0	400.0	417.0	400.0	3.5	2.5	24.05	200.6	89.5	219.6	213.1	6.49	33.838	
500.0	500.0	517.0	500.0	3.6	2.8	24.05	200.6	89.5	219.6	212.8	6.86	31.993	
600.0	600.0	617.0	600.0	3.7	3.0	24.05	200.6	89.5	219.6	212.4	7.22	30.406	
700.0	700.0	717.0	700.0	3.9	3.3	24.05	200.6	89.5	219.6	212.1	7.57	29.020	
800.0	800.0	817.0	800.0	4.0	3.5	24.05	200.6	89.5	219.6	211.7	7.90	27.797 CC, ES	
900.0	900.0	917.0	900.0	4.1	3.7	135.32	200.6	89.5	220.9	212.6	8.27	26.714	
1,000.0	999.8	1,016.8	999.8	4.3	3.9	136.20	200.6	89.5	224.6	216.0	8.61	26.100	
1,100.0	1,099.5	1,116.5	1,099.5	4.5	4.1	137.61	200.6	89.5	231.0	222.0	8.94	25.831 SF	
1,200.0	1,198.7	1,215.7	1,198.7	4.7	4.3	139.45	200.6	89.5	240.2	230.9	9.28	25.879	
1,300.0	1,297.5	1,314.5	1,297.5	4.9	4.5	141.59	200.6	89.5	252.3	242.7	9.62	26.221	
1,400.0	1,395.6	1,412.6	1,395.6	5.1	4.7	143.93	200.6	89.5	267.6	257.6	9.97	26.843	
1,500.0	1,493.1	1,510.1	1,493.1	5.3	4.9	146.36	200.6	89.5	286.2	275.9	10.32	27.733	
1,600.0	1,589.6	1,606.6	1,589.6	5.5	5.0	148.76	200.6	89.5	308.3	297.6	10.68	28.876	
1,694.3	1,679.9	1,696.9	1,679.9	5.7	5.2	150.96	200.6	89.5	332.3	321.3	11.00	30.218	
1,700.0	1,685.3	1,702.3	1,685.3	5.7	5.2	151.10	200.6	89.5	333.8	322.8	11.01	30.320	
1,800.0	1,780.4	1,797.4	1,780.4	6.1	5.3	153.43	200.6	89.5	361.3	349.7	11.56	31.245	
1,900.0	1,875.6	1,892.6	1,875.6	6.2	5.5	155.44	200.6	89.5	389.3	377.4	11.85	32.853	
2,000.0	1,970.8	1,987.8	1,970.8	6.3	5.6	157.18	200.6	89.5	417.6	405.5	12.13	34.414	
2,100.0	2,065.9	2,082.9	2,065.9	6.4	5.8	158.70	200.6	89.5	446.3	433.8	12.42	35.926	
2,200.0	2,161.1	2,178.1	2,161.1	6.6	5.9	160.04	200.6	89.5	475.2	462.5	12.71	37.384	
2,300.0	2,256.3	2,273.3	2,256.3	6.7	6.0	161.22	200.6	89.5	504.3	491.3	13.00	38.789	
2,400.0	2,351.4	2,368.4	2,351.4	6.9	6.2	162.28	200.6	89.5	533.6	520.3	13.29	40.141	
2,500.0	2,446.6	2,463.6	2,446.6	7.0	6.3	163.23	200.6	89.5	563.1	549.5	13.59	41.440	
2,600.0	2,541.8	2,568.7	2,551.7	7.2	6.5	164.19	200.0	89.2	592.2	578.2	13.91	42.563	
2,700.0	2,636.9	2,681.3	2,664.2	7.4	6.6	165.21	196.9	87.2	619.0	604.7	14.25	43.431	
2,800.0	2,732.1	2,795.3	2,778.0	7.5	6.8	166.27	191.0	83.3	643.2	628.6	14.60	44.063	
2,900.0	2,827.3	2,910.5	2,892.7	7.7	7.0	167.37	182.1	77.5	665.0	650.0	14.97	44.432	
3,000.0	2,922.4	3,026.7	3,008.1	7.9	7.2	168.52	170.1	69.8	684.2	668.9	15.36	44.553	
3,100.0	3,017.6	3,143.8	3,123.8	8.1	7.5	169.73	155.2	60.0	700.9	685.2	15.75	44.509	
3,200.0	3,112.8	3,245.6	3,224.1	8.2	7.7	170.81	140.4	50.4	716.0	699.9	16.11	44.455	
3,300.0	3,207.9	3,343.7	3,320.6	8.4	7.9	171.80	126.1	41.2	731.3	714.8	16.50	44.310	
3,400.0	3,303.1	3,441.7	3,417.1	8.6	8.2	172.76	111.8	31.9	746.8	729.8	16.91	44.152	
3,500.0	3,398.3	3,539.7	3,513.7	8.8	8.4	173.67	97.6	22.6	762.4	745.1	17.33	43.985	
3,600.0	3,493.4	3,637.8	3,610.2	9.0	8.7	174.55	83.3	13.4	778.3	760.5	17.76	43.813	
3,700.0	3,588.6	3,735.8	3,706.8	9.2	9.0	175.39	69.0	4.1	794.3	776.1	18.20	43.640	
3,800.0	3,683.8	3,833.8	3,803.3	9.4	9.3	176.20	54.7	-5.2	810.5	791.9	18.65	43.467	
3,900.0	3,778.9	3,931.9	3,899.9	9.6	9.7	176.98	40.4	-14.5	826.9	807.8	19.10	43.297	
4,000.0	3,874.1	4,029.9	3,996.4	9.8	10.0	177.73	26.2	-23.7	843.4	823.8	19.55	43.130	
4,100.0	3,969.3	4,127.9	4,093.0	10.0	10.3	178.45	11.9	-33.0	860.0	840.0	20.01	42.969	
4,200.0	4,064.4	4,226.0	4,189.5	10.2	10.7	179.15	-2.4	-42.3	876.8	856.3	20.48	42.813	
4,300.0	4,159.6	4,324.0	4,286.0	10.4	11.0	179.81	-16.7	-51.5	893.6	872.7	20.95	42.664	
4,400.0	4,254.8	4,422.0	4,382.6	10.6	11.4	-179.54	-30.9	-60.8	910.6	889.2	21.42	42.521	
4,500.0	4,349.9	4,520.1	4,479.1	10.8	11.8	-178.92	-45.2	-70.1	927.7	905.9	21.89	42.385	
4,600.0	4,445.1	4,618.1	4,575.7	11.0	12.1	-178.33	-59.5	-79.4	944.9	922.6	22.35	42.273	
4,700.0	4,540.3	4,710.5	4,666.7	11.2	12.5	-177.80	-72.7	-87.9	962.5	939.7	22.79	42.233	
4,800.0	4,635.4	4,800.0	4,755.0	11.4	12.8	-177.32	-84.9	-95.9	980.8	957.6	23.23	42.215	
4,900.0	4,730.6	4,894.0	4,847.9	11.6	13.2	-176.87	-97.1	-103.8	999.7	976.1	23.69	42.197	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 908H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	16.53	200.5	59.5	209.2	204.5	4.71	44.457	
100.0	100.0	117.0	100.0	3.1	1.3	16.53	200.5	59.5	209.2	204.0	5.23	39.994	
200.0	200.0	217.0	200.0	3.2	1.8	16.53	200.5	59.5	209.2	203.5	5.68	36.827	
300.0	300.0	317.0	300.0	3.4	2.2	16.53	200.5	59.5	209.2	203.1	6.10	34.300	
400.0	400.0	417.0	400.0	3.5	2.5	16.53	200.5	59.5	209.2	202.7	6.49	32.215	
500.0	500.0	517.0	500.0	3.6	2.8	16.53	200.5	59.5	209.2	202.3	6.87	30.454	
600.0	600.0	617.0	600.0	3.7	3.0	16.53	200.5	59.5	209.2	202.0	7.23	28.938	
700.0	700.0	717.0	700.0	3.9	3.3	16.53	200.5	59.5	209.2	201.6	7.58	27.615	
800.0	800.0	817.0	800.0	4.0	3.5	16.53	200.5	59.5	209.2	201.3	7.91	26.445 CC, ES	
900.0	900.0	917.0	900.0	4.1	3.7	127.85	200.5	59.5	210.2	202.0	8.26	25.448	
1,000.0	999.8	1,017.6	1,000.6	4.3	3.9	128.91	200.5	59.5	213.5	204.9	8.59	24.856	
1,100.0	1,099.5	1,121.7	1,104.6	4.5	4.2	130.37	199.6	57.8	217.7	208.8	8.94	24.363	
1,200.0	1,198.7	1,225.9	1,208.8	4.7	4.4	131.99	197.3	53.7	222.3	213.0	9.28	23.943	
1,300.0	1,297.5	1,330.3	1,312.9	4.9	4.7	133.76	193.6	47.0	227.3	217.7	9.66	23.542	
1,400.0	1,395.6	1,434.9	1,417.0	5.1	5.0	135.65	188.5	37.9	232.9	222.8	10.06	23.153	
1,500.0	1,493.1	1,539.7	1,520.9	5.3	5.3	137.65	182.1	26.2	239.0	228.5	10.50	22.769	
1,600.0	1,589.6	1,642.2	1,622.2	5.5	5.6	139.72	174.5	12.6	245.9	234.9	10.96	22.435	
1,694.3	1,679.9	1,735.5	1,714.4	5.7	5.9	141.86	167.5	-0.2	254.9	243.5	11.41	22.338	
1,700.0	1,685.3	1,741.2	1,720.0	5.7	5.9	142.01	167.0	-0.9	255.5	244.1	11.43	22.347	
1,800.0	1,780.4	1,839.9	1,817.5	6.1	6.3	144.43	159.5	-14.4	266.7	254.6	12.17	21.921 SF	
1,900.0	1,875.6	1,938.7	1,915.0	6.2	6.6	146.65	152.1	-28.0	278.4	265.8	12.65	22.004	
2,000.0	1,970.8	2,037.4	2,012.6	6.3	6.9	148.69	144.6	-41.5	290.5	277.3	13.16	22.071	
2,100.0	2,065.9	2,136.2	2,110.1	6.4	7.3	150.57	137.1	-55.0	302.9	289.2	13.69	22.125	
2,200.0	2,161.1	2,234.9	2,207.6	6.6	7.6	152.30	129.6	-68.5	315.6	301.4	14.24	22.168	
2,300.0	2,256.3	2,333.7	2,305.2	6.7	8.0	153.89	122.1	-82.0	328.6	313.8	14.80	22.202	
2,400.0	2,351.4	2,432.4	2,402.7	6.9	8.4	155.37	114.6	-95.5	341.8	326.4	15.38	22.228	
2,500.0	2,446.6	2,531.2	2,500.2	7.0	8.8	156.73	107.1	-109.0	355.2	339.2	15.96	22.249	
2,600.0	2,541.8	2,629.9	2,597.8	7.2	9.2	158.00	99.6	-122.5	368.8	352.2	16.56	22.265	
2,700.0	2,636.9	2,728.7	2,695.3	7.4	9.6	159.17	92.1	-136.0	382.6	365.4	17.17	22.278	
2,800.0	2,732.1	2,827.4	2,792.9	7.5	10.0	160.27	84.6	-149.6	396.5	378.7	17.79	22.288	
2,900.0	2,827.3	2,926.2	2,890.4	7.7	10.4	161.29	77.2	-163.1	410.5	392.1	18.41	22.296	
3,000.0	2,922.4	3,024.9	2,987.9	7.9	10.8	162.24	69.7	-176.6	424.7	405.6	19.04	22.302	
3,100.0	3,017.6	3,123.7	3,085.5	8.1	11.2	163.13	62.2	-190.1	438.9	419.3	19.68	22.308	
3,200.0	3,112.8	3,222.4	3,183.0	8.2	11.6	163.97	54.7	-203.6	453.3	433.0	20.32	22.312	
3,300.0	3,207.9	3,321.2	3,280.5	8.4	12.0	164.75	47.2	-217.1	467.8	446.8	20.96	22.316	
3,400.0	3,303.1	3,419.9	3,378.1	8.6	12.4	165.49	39.7	-230.6	482.3	460.7	21.61	22.320	
3,500.0	3,398.3	3,518.7	3,475.6	8.8	12.8	166.18	32.2	-244.1	496.9	474.6	22.26	22.324	
3,600.0	3,493.4	3,617.5	3,573.2	9.0	13.2	166.83	24.7	-257.6	511.6	488.7	22.91	22.328	
3,700.0	3,588.6	3,716.2	3,670.7	9.2	13.6	167.45	17.2	-271.2	526.3	502.7	23.57	22.331	
3,800.0	3,683.8	3,815.0	3,768.2	9.4	14.1	168.03	9.8	-284.7	541.1	516.9	24.23	22.335	
3,900.0	3,778.9	3,913.7	3,865.8	9.6	14.5	168.59	2.3	-298.2	556.0	531.1	24.89	22.338	
4,000.0	3,874.1	4,012.5	3,963.3	9.8	14.9	169.11	-5.2	-311.7	570.9	545.3	25.55	22.342	
4,100.0	3,969.3	4,111.2	4,060.8	10.0	15.3	169.61	-12.7	-325.2	585.8	559.6	26.21	22.346	
4,200.0	4,064.4	4,210.0	4,158.4	10.2	15.8	170.08	-20.2	-338.7	600.8	573.9	26.88	22.350	
4,300.0	4,159.6	4,308.7	4,255.9	10.4	16.2	170.53	-27.7	-352.2	615.8	588.2	27.55	22.354	
4,400.0	4,254.8	4,407.5	4,353.4	10.6	16.6	170.96	-35.2	-365.7	630.9	602.6	28.22	22.358	
4,500.0	4,349.9	4,506.2	4,451.0	10.8	17.0	171.37	-42.7	-379.2	645.9	617.1	28.89	22.362	
4,600.0	4,445.1	4,605.0	4,548.5	11.0	17.5	171.76	-50.2	-392.8	661.1	631.5	29.56	22.366	
4,700.0	4,540.3	4,703.7	4,646.1	11.2	17.9	172.13	-57.7	-406.3	676.2	646.0	30.23	22.370	
4,800.0	4,635.4	4,802.5	4,743.6	11.4	18.3	172.49	-65.1	-419.8	691.4	660.5	30.90	22.374	
4,900.0	4,730.6	4,901.2	4,841.1	11.6	18.7	172.83	-72.6	-433.3	706.6	675.0	31.57	22.379	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 908H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		No-Go Distance (usft)	Separation Factor
5,000.0	4,825.8	5,000.0	4,938.7	11.8	19.2	173.16	-80.1	-446.8	721.8	689.6		32.25	22.383
5,100.0	4,920.9	5,098.7	5,036.2	12.0	19.6	173.47	-87.6	-460.3	737.0	704.1		32.92	22.387
5,200.0	5,016.1	5,197.5	5,133.7	12.2	20.0	173.77	-95.1	-473.8	752.3	718.7		33.60	22.392
5,300.0	5,111.3	5,296.2	5,231.3	12.4	20.5	174.06	-102.6	-487.3	767.6	733.3		34.27	22.396
5,400.0	5,206.4	5,395.0	5,328.8	12.7	20.9	174.33	-110.1	-500.8	782.9	748.0		34.95	22.401
5,500.0	5,301.6	5,493.8	5,426.3	12.9	21.3	174.60	-117.6	-514.4	798.2	762.6		35.63	22.405
5,600.0	5,396.8	5,592.5	5,523.9	13.1	21.8	174.86	-125.1	-527.9	813.6	777.3		36.30	22.410
5,700.0	5,491.9	5,691.3	5,621.4	13.3	22.2	175.10	-132.5	-541.4	828.9	791.9		36.98	22.414
5,800.0	5,587.1	5,790.0	5,719.0	13.5	22.6	175.34	-140.0	-554.9	844.3	806.6		37.66	22.418
5,900.0	5,682.3	5,888.8	5,816.5	13.7	23.1	175.57	-147.5	-568.4	859.7	821.3		38.34	22.423
6,000.0	5,777.4	5,987.5	5,914.0	14.0	23.5	175.79	-155.0	-581.9	875.1	836.0		39.02	22.427
6,100.0	5,872.6	6,086.3	6,011.6	14.2	23.9	176.01	-162.5	-595.4	890.5	850.8		39.70	22.431
6,200.0	5,967.8	6,185.0	6,109.1	14.4	24.4	176.21	-170.0	-608.9	905.9	865.5		40.38	22.436
6,276.2	6,040.3	6,260.3	6,183.4	14.6	24.7	176.37	-175.7	-619.2	917.6	876.7		40.88	22.445
6,300.0	6,063.0	6,283.3	6,206.1	14.6	24.8	176.42	-177.4	-622.4	921.3	880.2		41.04	22.450
6,400.0	6,158.5	6,368.4	6,290.3	14.8	25.1	176.58	-183.6	-633.4	936.2	894.6		41.62	22.492
6,500.0	6,254.6	6,453.3	6,374.5	15.1	25.5	176.73	-189.1	-643.4	950.9	908.7		42.19	22.537
6,600.0	6,351.1	6,538.1	6,458.6	15.3	25.9	176.87	-194.0	-652.2	965.4	922.6		42.74	22.586
6,700.0	6,448.1	6,622.7	6,542.8	15.5	26.2	176.99	-198.3	-660.0	979.5	936.3		43.27	22.640
6,800.0	6,545.4	6,700.0	6,619.8	15.7	26.5	177.09	-201.7	-666.1	993.5	949.8		43.71	22.728

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 909H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS													Offset Well Error: 0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	8.37	200.6	29.5	202.7	198.0	4.71	43.082	
100.0	100.0	117.0	100.0	3.1	1.3	8.37	200.6	29.5	202.7	197.5	5.23	38.756	
200.0	200.0	217.0	200.0	3.2	1.8	8.37	200.6	29.5	202.7	197.0	5.68	35.685	
300.0	300.0	317.0	300.0	3.4	2.2	8.37	200.6	29.5	202.7	196.6	6.10	33.233	
400.0	400.0	417.0	400.0	3.5	2.5	8.37	200.6	29.5	202.7	196.2	6.50	31.210	
500.0	500.0	517.0	500.0	3.6	2.8	8.37	200.6	29.5	202.7	195.8	6.87	29.499	
600.0	600.0	617.0	600.0	3.7	3.0	8.37	200.6	29.5	202.7	195.5	7.23	28.028	
700.0	700.0	717.0	700.0	3.9	3.3	8.37	200.6	29.5	202.7	195.1	7.58	26.743	
800.0	800.0	817.0	800.0	4.0	3.5	8.37	200.6	29.5	202.7	194.8	7.92	25.607 CC, ES	
900.0	900.0	917.0	900.0	4.1	3.7	119.75	200.6	29.5	203.6	195.3	8.25	24.665	
1,000.0	999.8	1,017.3	1,000.3	4.3	3.9	120.96	200.5	29.5	206.2	197.6	8.56	24.075	
1,100.0	1,099.5	1,119.8	1,102.8	4.5	4.2	122.55	199.9	27.7	209.9	201.0	8.88	23.637	
1,200.0	1,198.7	1,222.5	1,205.4	4.7	4.4	124.25	198.4	23.4	214.3	205.1	9.20	23.306	
1,300.0	1,297.5	1,325.3	1,308.0	4.9	4.7	126.02	196.0	16.4	219.4	209.9	9.52	23.037	
1,400.0	1,395.6	1,428.4	1,410.5	5.1	5.0	127.86	192.7	6.8	225.3	215.4	9.88	22.816	
1,500.0	1,493.1	1,531.6	1,512.8	5.3	5.3	129.73	188.5	-5.4	232.0	221.8	10.25	22.630	
1,600.0	1,589.6	1,635.0	1,615.1	5.5	5.6	131.61	183.4	-20.3	239.5	228.9	10.66	22.471	
1,694.3	1,679.9	1,732.7	1,711.2	5.7	6.0	133.38	177.7	-36.7	247.4	236.3	11.06	22.365	
1,700.0	1,685.3	1,738.6	1,717.0	5.7	6.0	133.49	177.4	-37.8	247.9	236.8	11.08	22.368	
1,800.0	1,780.4	1,840.7	1,817.0	6.1	6.4	135.17	170.6	-57.4	255.9	244.1	11.78	21.730	
1,900.0	1,875.6	1,940.2	1,914.3	6.2	6.7	136.63	163.9	-77.0	263.8	251.6	12.20	21.620	
2,000.0	1,970.8	2,039.7	2,011.6	6.3	7.1	138.01	157.2	-96.5	271.9	259.2	12.65	21.487	
2,100.0	2,065.9	2,139.1	2,108.9	6.4	7.4	139.30	150.4	-116.1	280.0	266.9	13.13	21.336	
2,200.0	2,161.1	2,238.6	2,206.2	6.6	7.8	140.52	143.7	-135.6	288.4	274.8	13.62	21.171	
2,300.0	2,256.3	2,338.1	2,303.5	6.7	8.2	141.67	137.0	-155.2	296.8	282.7	14.14	20.995	
2,400.0	2,351.4	2,437.6	2,400.8	6.9	8.6	142.76	130.2	-174.7	305.4	290.7	14.67	20.812	
2,500.0	2,446.6	2,537.0	2,498.1	7.0	9.0	143.79	123.5	-194.3	314.1	298.8	15.23	20.625	
2,600.0	2,541.8	2,636.5	2,595.4	7.2	9.4	144.76	116.8	-213.8	322.8	307.0	15.80	20.437	
2,700.0	2,636.9	2,736.0	2,692.7	7.4	9.9	145.69	110.0	-233.4	331.7	315.3	16.38	20.248	
2,800.0	2,732.1	2,835.4	2,790.0	7.5	10.3	146.56	103.3	-253.0	340.6	323.6	16.98	20.062	
2,900.0	2,827.3	2,934.9	2,887.3	7.7	10.7	147.39	96.6	-272.5	349.6	332.0	17.59	19.878	
3,000.0	2,922.4	3,034.4	2,984.6	7.9	11.1	148.18	89.8	-292.1	358.7	340.5	18.21	19.698	
3,100.0	3,017.6	3,133.8	3,081.9	8.1	11.6	148.92	83.1	-311.6	367.8	349.0	18.84	19.523	
3,200.0	3,112.8	3,233.3	3,179.1	8.2	12.0	149.64	76.4	-331.2	377.0	357.6	19.48	19.354	
3,300.0	3,207.9	3,332.8	3,276.4	8.4	12.5	150.31	69.6	-350.7	386.3	366.2	20.13	19.190	
3,400.0	3,303.1	3,432.2	3,373.7	8.6	12.9	150.96	62.9	-370.3	395.6	374.8	20.79	19.031	
3,500.0	3,398.3	3,531.7	3,471.0	8.8	13.3	151.58	56.2	-389.8	404.9	383.5	21.45	18.879	
3,600.0	3,493.4	3,631.2	3,568.3	9.0	13.8	152.17	49.4	-409.4	414.3	392.2	22.12	18.732	
3,700.0	3,588.6	3,730.7	3,665.6	9.2	14.2	152.73	42.7	-428.9	423.8	401.0	22.80	18.591	
3,800.0	3,683.8	3,830.1	3,762.9	9.4	14.7	153.27	36.0	-448.5	433.3	409.8	23.48	18.456	
3,900.0	3,778.9	3,929.6	3,860.2	9.6	15.1	153.78	29.2	-468.1	442.8	418.6	24.16	18.326	
4,000.0	3,874.1	4,029.1	3,957.5	9.8	15.6	154.28	22.5	-487.6	452.3	427.5	24.85	18.201	
4,100.0	3,969.3	4,128.5	4,054.8	10.0	16.0	154.75	15.8	-507.2	461.9	436.4	25.55	18.082	
4,200.0	4,064.4	4,228.0	4,152.1	10.2	16.5	155.20	9.0	-526.7	471.5	445.3	26.24	17.967	
4,300.0	4,159.6	4,327.5	4,249.4	10.4	17.0	155.64	2.3	-546.3	481.2	454.2	26.94	17.857	
4,400.0	4,254.8	4,426.9	4,346.7	10.6	17.4	156.06	-4.4	-565.8	490.8	463.2	27.65	17.752	
4,500.0	4,349.9	4,526.4	4,444.0	10.8	17.9	156.46	-11.2	-585.4	500.5	472.2	28.36	17.651	
4,600.0	4,445.1	4,625.9	4,541.3	11.0	18.3	156.85	-17.9	-604.9	510.2	481.2	29.07	17.554	
4,700.0	4,540.3	4,725.3	4,638.6	11.2	18.8	157.22	-24.6	-624.5	520.0	490.2	29.78	17.461	
4,800.0	4,635.4	4,824.8	4,735.9	11.4	19.2	157.58	-31.4	-644.0	529.7	499.2	30.49	17.372	
4,900.0	4,730.6	4,924.3	4,833.2	11.6	19.7	157.92	-38.1	-663.6	539.5	508.3	31.21	17.287	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 909H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,825.8	5,023.7	4,930.5	11.8	20.2	158.26	-44.8	-683.1	549.3	517.4	31.93	17.204	
5,100.0	4,920.9	5,123.2	5,027.8	12.0	20.6	158.58	-51.6	-702.7	559.1	526.5	32.65	17.125	
5,200.0	5,016.1	5,222.7	5,125.1	12.2	21.1	158.89	-58.3	-722.3	568.9	535.6	33.37	17.049	
5,300.0	5,111.3	5,322.2	5,222.4	12.4	21.6	159.19	-65.0	-741.8	578.8	544.7	34.09	16.976	
5,400.0	5,206.4	5,421.6	5,319.6	12.7	22.0	159.48	-71.8	-761.4	588.6	553.8	34.82	16.906	
5,500.0	5,301.6	5,521.1	5,416.9	12.9	22.5	159.76	-78.5	-780.9	598.5	563.0	35.54	16.839	
5,600.0	5,396.8	5,620.6	5,514.2	13.1	22.9	160.03	-85.2	-800.5	608.4	572.1	36.27	16.774	
5,700.0	5,491.9	5,720.0	5,611.5	13.3	23.4	160.29	-92.0	-820.0	618.3	581.3	37.00	16.711	
5,800.0	5,587.1	5,819.5	5,708.8	13.5	23.9	160.55	-98.7	-839.6	628.2	590.5	37.73	16.651	
5,900.0	5,682.3	5,919.0	5,806.1	13.7	24.3	160.80	-105.4	-859.1	638.2	599.7	38.46	16.592	
6,000.0	5,777.4	6,018.4	5,903.4	14.0	24.8	161.03	-112.2	-878.7	648.1	608.9	39.19	16.536	
6,100.0	5,872.6	6,117.9	6,000.7	14.2	25.3	161.27	-118.9	-898.2	658.0	618.1	39.93	16.482	
6,200.0	5,967.8	6,217.4	6,098.0	14.4	25.7	161.49	-125.6	-917.8	668.0	627.4	40.66	16.430	
6,276.2	6,040.3	6,293.2	6,172.1	14.6	26.1	161.66	-130.8	-932.7	675.6	634.4	41.21	16.393	
6,300.0	6,063.0	6,316.8	6,195.3	14.6	26.2	161.72	-132.4	-937.3	677.9	636.5	41.38	16.382	
6,400.0	6,158.5	6,416.4	6,292.7	14.8	26.7	161.92	-139.1	-956.9	686.7	644.6	42.11	16.305	
6,500.0	6,254.6	6,516.2	6,390.3	15.1	27.1	162.07	-145.9	-976.5	693.8	651.0	42.84	16.197	
6,600.0	6,351.1	6,616.0	6,487.9	15.3	27.6	162.17	-152.6	-996.2	699.3	655.7	43.55	16.057	
6,700.0	6,448.1	6,715.9	6,585.7	15.5	28.1	162.22	-159.4	-1,015.8	703.1	658.8	44.25	15.888	
6,800.0	6,545.4	6,815.9	6,683.5	15.7	28.5	162.23	-166.1	-1,035.5	705.2	660.2	44.95	15.690	
6,900.0	6,643.2	6,915.9	6,781.3	15.9	29.0	162.18	-172.9	-1,055.1	705.7	660.0	45.63	15.465	
7,000.0	6,741.3	7,015.9	6,879.1	16.1	29.5	162.08	-179.7	-1,074.8	704.5	658.2	46.30	15.216	
7,100.0	6,839.7	7,105.9	6,967.3	16.3	29.9	161.97	-185.6	-1,091.9	702.3	655.4	46.90	14.976	
7,200.0	6,938.5	7,200.0	7,059.7	16.5	30.3	161.85	-191.2	-1,108.3	700.0	652.5	47.50	14.736	
7,300.0	7,037.5	7,285.3	7,143.8	16.7	30.7	161.74	-196.0	-1,122.0	697.4	649.4	48.02	14.522	
7,400.0	7,136.7	7,375.0	7,232.4	16.9	31.1	161.63	-200.5	-1,135.1	694.7	646.1	48.55	14.308	
7,500.0	7,236.1	7,464.8	7,321.3	17.1	31.5	161.51	-204.5	-1,147.0	691.8	642.7	49.06	14.102	
7,600.0	7,335.7	7,554.6	7,410.4	17.3	31.9	161.39	-208.2	-1,157.5	688.7	639.2	49.53	13.904	
7,700.0	7,435.4	7,644.4	7,499.7	17.4	32.2	161.27	-211.3	-1,166.6	685.4	635.4	49.98	13.714	
7,800.0	7,535.3	7,734.3	7,589.2	17.6	32.6	161.14	-214.0	-1,174.5	682.0	631.6	50.40	13.533	
7,900.0	7,635.2	7,824.3	7,678.9	17.8	32.9	161.01	-216.3	-1,181.0	678.3	627.6	50.77	13.360	
8,000.0	7,735.2	7,914.3	7,768.7	17.9	33.3	160.88	-218.1	-1,186.2	674.5	623.4	51.12	13.196	
8,064.8	7,800.0	7,972.6	7,827.0	17.9	33.5	49.84	-219.0	-1,188.9	671.9	620.7	51.28	13.103	
8,100.0	7,835.2	8,000.0	7,854.4	17.9	33.5	49.80	-219.3	-1,190.0	670.6	619.3	51.29	13.074	
8,197.3	7,932.5	8,092.0	7,946.4	17.9	33.8	49.72	-220.3	-1,192.6	667.9	616.4	51.53	12.961	
8,200.0	7,935.2	8,094.5	7,948.8	17.9	33.8	49.92	-220.3	-1,192.6	667.8	616.3	51.54	12.958	
8,225.0	7,960.2	8,117.0	7,971.3	18.0	33.9	50.04	-220.4	-1,193.1	666.9	615.2	51.71	12.896	
8,250.0	7,985.1	8,139.4	7,993.8	18.0	33.9	50.31	-220.5	-1,193.4	665.1	613.4	51.77	12.847	
8,275.0	8,009.8	8,161.8	8,016.1	18.0	34.0	50.73	-220.6	-1,193.7	662.7	610.8	51.86	12.779	
8,300.0	8,034.4	8,183.9	8,038.3	18.0	34.0	51.31	-220.7	-1,193.8	659.5	607.5	51.96	12.693	
8,325.0	8,058.7	8,205.8	8,060.2	18.0	34.1	52.04	-220.7	-1,193.9	655.6	603.6	52.04	12.599	
8,350.0	8,082.6	8,228.3	8,082.6	18.0	34.1	52.94	-220.7	-1,193.9	651.1	599.1	51.99	12.524	
8,375.0	8,106.1	8,251.8	8,106.1	18.0	34.1	54.03	-220.7	-1,193.9	645.8	593.7	52.12	12.392	
8,400.0	8,129.2	8,274.8	8,129.2	18.0	34.1	55.30	-220.7	-1,193.9	639.9	587.7	52.26	12.244	
8,425.0	8,151.7	8,297.3	8,151.7	18.0	34.1	56.73	-220.7	-1,193.9	633.4	581.0	52.42	12.082	
8,450.0	8,173.6	8,319.2	8,173.6	18.0	34.1	58.32	-220.7	-1,193.9	626.3	573.7	52.60	11.908	
8,475.0	8,194.8	8,340.4	8,194.8	18.0	34.1	60.07	-220.7	-1,193.9	618.7	566.0	52.78	11.723	
8,500.0	8,215.3	8,361.0	8,215.3	18.0	34.1	61.96	-220.7	-1,193.9	610.8	557.8	52.97	11.530	
8,525.0	8,235.1	8,380.7	8,235.1	18.0	34.1	63.98	-220.7	-1,193.9	602.4	549.3	53.17	11.331	
8,550.0	8,254.0	8,399.6	8,254.0	18.0	34.1	66.12	-220.7	-1,193.9	593.9	540.5	53.36	11.129	
8,575.0	8,272.0	8,417.7	8,272.0	18.0	34.1	68.34	-220.7	-1,193.9	585.2	531.6	53.55	10.927	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 909H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+MS												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,600.0	8,289.1	8,434.8	8,289.1	18.0	34.1	70.62	-220.7	-1,193.9	576.4	522.7	53.74	10.727	
8,625.0	8,305.2	8,450.9	8,305.2	18.0	34.1	72.92	-220.7	-1,193.9	567.8	513.9	53.90	10.533	
8,650.0	8,320.3	8,466.0	8,320.3	18.1	34.1	75.22	-220.7	-1,193.9	559.3	505.2	54.05	10.348	
8,675.0	8,334.4	8,480.0	8,334.4	18.1	34.1	77.46	-220.7	-1,193.9	551.1	496.9	54.16	10.174	
8,700.0	8,347.3	8,493.0	8,347.3	18.1	34.1	79.62	-220.7	-1,193.9	543.3	489.0	54.24	10.016	
8,725.0	8,359.1	8,504.8	8,359.1	18.1	34.2	81.65	-220.7	-1,193.9	536.0	481.7	54.27	9.877	
8,750.0	8,369.8	8,515.4	8,369.8	18.1	34.2	83.53	-220.7	-1,193.9	529.4	475.2	54.24	9.760	
8,775.0	8,379.2	8,524.9	8,379.2	18.1	34.2	85.22	-220.7	-1,193.9	523.6	469.5	54.16	9.668	
8,800.0	8,387.4	8,533.1	8,387.4	18.2	34.2	86.69	-220.7	-1,193.9	518.7	464.7	54.00	9.604	
8,825.0	8,394.4	8,540.0	8,394.4	18.2	34.2	87.92	-220.7	-1,193.9	514.7	461.0	53.77	9.572 SF	
8,850.0	8,400.1	8,545.7	8,400.1	18.2	34.2	88.89	-220.7	-1,193.9	511.8	458.4	53.47	9.573	
8,875.0	8,404.5	8,550.2	8,404.5	18.2	34.2	89.59	-220.7	-1,193.9	510.1	457.0	53.08	9.610	
8,899.3	8,407.6	8,553.2	8,407.6	18.3	34.2	90.00	-220.7	-1,193.9	509.5	456.9	52.63	9.682	
8,900.0	8,407.6	8,553.3	8,407.6	18.3	34.2	90.01	-220.7	-1,193.9	509.5	456.9	52.61	9.684	
8,925.0	8,409.4	8,555.1	8,409.4	18.3	34.2	90.13	-220.7	-1,193.9	510.2	458.1	52.07	9.797	
8,947.3	8,410.0	8,555.6	8,410.0	18.3	34.2	90.00	-220.7	-1,193.9	511.8	460.2	51.53	9.931	
9,000.0	8,410.0	8,555.6	8,410.0	18.4	34.2	90.00	-220.7	-1,193.9	519.3	469.3	50.08	10.371	
9,100.0	8,410.0	8,555.6	8,410.0	18.6	34.2	90.00	-220.7	-1,193.9	547.6	500.7	46.92	11.670	
9,200.0	8,409.9	8,555.6	8,409.9	18.8	34.2	90.00	-220.7	-1,193.9	591.6	547.8	43.75	13.522	
9,300.0	8,409.9	8,555.6	8,409.9	19.0	34.2	90.00	-220.7	-1,193.9	648.1	607.2	40.97	15.818	
9,400.0	8,409.9	8,555.6	8,409.9	19.3	34.2	90.00	-220.7	-1,193.9	714.3	675.5	38.76	18.429	
9,500.0	8,409.9	8,555.6	8,409.9	19.6	34.2	90.00	-220.7	-1,193.9	787.6	750.5	37.09	21.233	
9,600.0	8,409.9	8,555.6	8,409.9	19.9	34.2	89.99	-220.7	-1,193.9	866.3	830.4	35.89	24.140	
9,700.0	8,409.9	8,555.6	8,409.9	20.3	34.2	89.99	-220.7	-1,193.9	949.0	913.9	35.03	27.088	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 910H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 10273-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	17.0	0.0	3.0	0.2	-0.14	200.5	-0.5	200.5	195.8	4.71	42.621	
100.0	100.0	117.0	100.0	3.1	1.3	-0.14	200.5	-0.5	200.5	195.3	5.23	38.340	
200.0	200.0	217.0	200.0	3.2	1.8	-0.14	200.5	-0.5	200.5	194.9	5.68	35.301	
300.0	300.0	317.0	300.0	3.4	2.2	-0.14	200.5	-0.5	200.5	194.4	6.10	32.875	
400.0	400.0	417.0	400.0	3.5	2.5	-0.14	200.5	-0.5	200.5	194.0	6.50	30.872	
500.0	500.0	517.0	500.0	3.6	2.8	-0.14	200.5	-0.5	200.5	193.7	6.87	29.179	
600.0	600.0	617.0	600.0	3.7	3.0	-0.14	200.5	-0.5	200.5	193.3	7.23	27.722	
700.0	700.0	717.0	700.0	3.9	3.3	-0.14	200.5	-0.5	200.5	193.0	7.58	26.450	
800.0	800.0	817.0	800.0	4.0	3.5	-0.14	200.5	-0.5	200.5	192.6	7.92	25.326	
900.0	900.0	917.0	900.0	4.1	3.7	111.28	200.5	-0.5	201.2	192.9	8.24	24.404	
1,000.0	999.8	1,017.1	1,000.1	4.3	3.9	112.61	200.5	-0.5	203.1	194.6	8.54	23.776	
1,100.0	1,099.5	1,118.5	1,101.5	4.5	4.2	114.34	200.1	-2.3	206.1	197.2	8.84	23.322	
1,200.0	1,198.7	1,220.0	1,202.9	4.7	4.4	116.20	198.9	-6.6	209.8	200.7	9.12	23.001	
1,300.0	1,297.5	1,321.7	1,304.3	4.9	4.6	118.14	197.0	-13.6	214.4	205.0	9.41	22.777	
1,400.0	1,395.6	1,423.5	1,405.7	5.1	4.8	120.14	194.5	-23.1	220.0	210.2	9.71	22.641	
1,500.0	1,493.1	1,525.6	1,506.9	5.3	5.1	122.17	191.2	-35.4	226.4	216.4	10.03	22.583	
1,600.0	1,589.6	1,627.8	1,607.9	5.5	5.3	124.20	187.2	-50.2	233.8	223.5	10.35	22.594	
1,694.3	1,679.9	1,724.4	1,703.0	5.7	5.5	126.11	182.8	-66.6	241.8	231.1	10.66	22.685	
1,700.0	1,685.3	1,730.2	1,708.7	5.7	5.5	126.23	182.5	-67.7	242.3	231.6	10.67	22.700	
1,800.0	1,780.4	1,833.0	1,809.5	6.1	5.7	128.00	177.1	-87.9	250.5	239.2	11.27	22.222	
1,900.0	1,875.6	1,936.4	1,910.1	6.2	5.9	129.14	171.0	-110.8	257.5	245.9	11.56	22.266	
2,000.0	1,970.8	2,037.8	2,008.2	6.3	6.1	129.79	164.4	-135.4	263.3	251.4	11.84	22.241	
2,100.0	2,065.9	2,137.7	2,104.8	6.4	6.2	130.37	157.8	-159.9	268.9	256.8	12.16	22.121	
2,200.0	2,161.1	2,237.5	2,201.3	6.6	6.4	130.91	151.3	-184.4	274.7	262.2	12.47	22.019	
2,300.0	2,256.3	2,337.3	2,297.8	6.7	6.6	131.44	144.7	-208.8	280.4	267.6	12.80	21.909	
2,400.0	2,351.4	2,437.1	2,394.4	6.9	6.8	131.94	138.2	-233.3	286.1	273.0	13.13	21.795	
2,500.0	2,446.6	2,536.9	2,490.9	7.0	7.0	132.43	131.6	-257.7	291.9	278.4	13.47	21.677	
2,600.0	2,541.8	2,636.7	2,587.5	7.2	7.2	132.90	125.1	-282.2	297.7	283.9	13.81	21.555	
2,700.0	2,636.9	2,736.5	2,684.0	7.4	7.4	133.34	118.5	-306.7	303.5	289.4	14.16	21.432	
2,800.0	2,732.1	2,836.3	2,780.5	7.5	7.6	133.77	111.9	-331.1	309.4	294.8	14.52	21.307	
2,900.0	2,827.3	2,936.1	2,877.1	7.7	7.7	134.19	105.4	-355.6	315.2	300.3	14.88	21.181	
3,000.0	2,922.4	3,035.9	2,973.6	7.9	7.9	134.59	98.8	-380.1	321.1	305.8	15.25	21.056	
3,100.0	3,017.6	3,135.7	3,070.1	8.1	8.1	134.98	92.3	-404.5	326.9	311.3	15.62	20.930	
3,200.0	3,112.8	3,235.5	3,166.7	8.2	8.3	135.35	85.7	-429.0	332.8	316.8	16.00	20.806	
3,300.0	3,207.9	3,335.3	3,263.2	8.4	8.6	135.71	79.2	-453.4	338.7	322.4	16.38	20.682	
3,400.0	3,303.1	3,435.1	3,359.7	8.6	8.8	136.05	72.6	-477.9	344.7	327.9	16.76	20.560	
3,500.0	3,398.3	3,534.9	3,456.3	8.8	9.0	136.39	66.1	-502.4	350.6	333.4	17.15	20.439	
3,600.0	3,493.4	3,634.7	3,552.8	9.0	9.2	136.71	59.5	-526.8	356.5	339.0	17.55	20.320	
3,700.0	3,588.6	3,734.5	3,649.4	9.2	9.4	137.03	52.9	-551.3	362.5	344.5	17.94	20.202	
3,800.0	3,683.8	3,834.3	3,745.9	9.4	9.6	137.33	46.4	-575.8	368.5	350.1	18.34	20.087	
3,900.0	3,778.9	3,934.1	3,842.4	9.6	9.8	137.62	39.8	-600.2	374.4	355.7	18.75	19.974	
4,000.0	3,874.1	4,033.9	3,939.0	9.8	10.0	137.91	33.3	-624.7	380.4	361.3	19.15	19.863	
4,100.0	3,969.3	4,133.7	4,035.5	10.0	10.2	138.18	26.7	-649.2	386.4	366.8	19.56	19.754	
4,200.0	4,064.4	4,233.5	4,132.0	10.2	10.4	138.45	20.2	-673.6	392.4	372.4	19.97	19.647	
4,300.0	4,159.6	4,333.3	4,228.6	10.4	10.7	138.71	13.6	-698.1	398.4	378.0	20.39	19.543	
4,400.0	4,254.8	4,433.1	4,325.1	10.6	10.9	138.96	7.1	-722.5	404.4	383.6	20.80	19.441	
4,500.0	4,349.9	4,532.9	4,421.7	10.8	11.1	139.20	0.5	-747.0	410.5	389.2	21.22	19.341	
4,600.0	4,445.1	4,632.7	4,518.2	11.0	11.3	139.44	-6.0	-771.5	416.5	394.9	21.64	19.243	
4,700.0	4,540.3	4,732.5	4,614.7	11.2	11.5	139.67	-12.6	-795.9	422.5	400.5	22.07	19.147	
4,800.0	4,635.4	4,832.3	4,711.3	11.4	11.8	139.89	-19.2	-820.4	428.6	406.1	22.49	19.054	
4,900.0	4,730.6	4,932.1	4,807.8	11.6	12.0	140.11	-25.7	-844.9	434.6	411.7	22.92	18.963	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 910H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 10273-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,825.8	5,031.9	4,904.3	11.8	12.2	140.32	-32.3	-869.3	440.7	417.3	23.35	18.873	
5,100.0	4,920.9	5,131.7	5,000.9	12.0	12.4	140.53	-38.8	-893.8	446.8	423.0	23.78	18.786	
5,200.0	5,016.1	5,231.6	5,097.4	12.2	12.6	140.73	-45.4	-918.2	452.8	428.6	24.21	18.701	
5,300.0	5,111.3	5,331.4	5,193.9	12.4	12.9	140.92	-51.9	-942.7	458.9	434.3	24.65	18.617	
5,400.0	5,206.4	5,431.2	5,290.5	12.7	13.1	141.11	-58.5	-967.2	465.0	439.9	25.09	18.536	
5,500.0	5,301.6	5,531.0	5,387.0	12.9	13.3	141.30	-65.0	-991.6	471.1	445.5	25.52	18.456	
5,600.0	5,396.8	5,630.8	5,483.6	13.1	13.5	141.48	-71.6	-1,016.1	477.2	451.2	25.96	18.379	
5,700.0	5,491.9	5,730.6	5,580.1	13.3	13.8	141.65	-78.1	-1,040.6	483.3	456.9	26.40	18.302	
5,800.0	5,587.1	5,830.4	5,676.6	13.5	14.0	141.82	-84.7	-1,065.0	489.4	462.5	26.85	18.228	
5,900.0	5,682.3	5,930.2	5,773.2	13.7	14.2	141.99	-91.3	-1,089.5	495.5	468.2	27.29	18.155	
6,000.0	5,777.4	6,030.0	5,869.7	14.0	14.4	142.15	-97.8	-1,113.9	501.6	473.8	27.73	18.084	
6,100.0	5,872.6	6,129.8	5,966.2	14.2	14.7	142.31	-104.4	-1,138.4	507.7	479.5	28.18	18.015	
6,200.0	5,967.8	6,229.6	6,062.8	14.4	14.9	142.47	-110.9	-1,162.9	513.8	485.2	28.63	17.947	
6,276.2	6,040.3	6,305.6	6,136.3	14.6	15.1	142.58	-115.9	-1,181.5	518.5	489.5	28.96	17.901	
6,300.0	6,063.0	6,329.4	6,159.3	14.6	15.1	142.63	-117.5	-1,187.3	519.9	490.8	29.06	17.887	
6,400.0	6,158.5	6,429.3	6,255.9	14.8	15.4	142.72	-124.0	-1,211.8	525.0	495.5	29.51	17.789	
6,500.0	6,254.6	6,529.2	6,352.6	15.1	15.6	142.69	-130.6	-1,236.3	528.7	498.7	29.95	17.655	
6,600.0	6,351.1	6,629.1	6,449.3	15.3	15.8	142.54	-137.2	-1,260.8	531.0	500.6	30.37	17.485	
6,700.0	6,448.1	6,729.1	6,545.9	15.5	16.0	142.26	-143.7	-1,285.3	532.0	501.2	30.79	17.280	
6,800.0	6,545.4	6,829.0	6,642.6	15.7	16.3	141.87	-150.3	-1,309.8	531.6	500.4	31.19	17.042	
6,900.0	6,643.2	6,928.9	6,739.2	15.9	16.5	141.34	-156.9	-1,334.3	529.8	498.2	31.59	16.774	
7,000.0	6,741.3	7,028.7	6,835.7	16.1	16.7	140.69	-163.4	-1,358.7	526.7	494.8	31.97	16.477	
7,100.0	6,839.7	7,128.3	6,932.1	16.3	17.0	139.90	-169.9	-1,383.2	522.4	490.1	32.34	16.155	
7,200.0	6,938.5	7,227.9	7,028.4	16.5	17.2	138.96	-176.5	-1,407.6	516.9	484.2	32.69	15.809	
7,300.0	7,037.5	7,327.2	7,124.4	16.7	17.4	137.87	-183.0	-1,431.9	510.2	477.1	33.03	15.443	
7,400.0	7,136.7	7,426.3	7,220.3	16.9	17.7	136.60	-189.5	-1,456.2	502.3	469.0	33.36	15.059	
7,500.0	7,236.1	7,525.2	7,315.9	17.1	17.9	135.15	-196.0	-1,480.4	493.5	459.9	33.66	14.661	
7,600.0	7,335.7	7,623.8	7,411.3	17.3	18.1	133.50	-202.5	-1,504.6	483.8	449.9	33.94	14.255	
7,700.0	7,435.4	7,716.9	7,501.5	17.4	18.3	131.79	-208.4	-1,526.8	473.8	439.6	34.17	13.864	
7,800.0	7,535.3	7,808.9	7,591.2	17.6	18.5	130.11	-213.8	-1,546.7	464.4	430.0	34.39	13.504	
7,900.0	7,635.2	7,900.0	7,680.5	17.8	18.7	128.46	-218.5	-1,564.4	455.6	421.0	34.56	13.182	
8,000.0	7,735.2	7,994.3	7,773.3	17.9	18.9	126.77	-222.8	-1,580.5	447.5	412.7	34.72	12.887	
8,064.8	7,800.0	8,054.8	7,833.0	17.9	19.1	14.75	-225.3	-1,589.7	442.5	407.7	34.78	12.721	
8,100.0	7,835.2	8,087.7	7,865.6	17.9	19.1	14.21	-226.5	-1,594.3	440.0	405.2	34.81	12.640	
8,197.3	7,932.5	8,179.2	7,956.3	17.9	19.3	12.85	-229.6	-1,605.6	433.9	399.1	34.88	12.440	
8,200.0	7,935.2	8,181.7	7,958.8	17.9	19.3	13.01	-229.6	-1,605.9	433.8	398.9	34.89	12.435	
8,225.0	7,960.2	8,205.3	7,982.2	18.0	19.3	12.78	-230.3	-1,608.5	431.7	396.7	35.00	12.336	
8,250.0	7,985.1	8,228.7	8,005.6	18.0	19.4	12.63	-231.0	-1,610.9	428.4	393.4	35.02	12.232	
8,275.0	8,009.8	8,252.1	8,028.8	18.0	19.4	12.55	-231.6	-1,613.2	424.0	388.9	35.06	12.093	
8,300.0	8,034.4	8,275.3	8,051.9	18.0	19.5	12.56	-232.2	-1,615.3	418.3	383.2	35.10	11.919	
8,325.0	8,058.7	8,300.0	8,076.5	18.0	19.5	12.65	-232.7	-1,617.4	411.5	376.4	35.15	11.708	
8,350.0	8,082.6	8,320.8	8,097.2	18.0	19.6	12.85	-233.2	-1,619.1	403.5	368.4	35.18	11.472	
8,375.0	8,106.1	8,343.0	8,119.4	18.0	19.6	13.14	-233.6	-1,620.7	394.4	359.2	35.22	11.199	
8,400.0	8,129.2	8,364.8	8,141.1	18.0	19.6	13.54	-234.0	-1,622.2	384.2	348.9	35.27	10.894	
8,425.0	8,151.7	8,386.1	8,162.4	18.0	19.7	14.07	-234.4	-1,623.6	372.9	337.6	35.32	10.559	
8,450.0	8,173.6	8,406.9	8,183.1	18.0	19.7	14.74	-234.7	-1,624.8	360.5	325.2	35.37	10.194	
8,475.0	8,194.8	8,427.0	8,203.2	18.0	19.7	15.59	-235.0	-1,625.9	347.1	311.7	35.42	9.801	
8,500.0	8,215.3	8,446.5	8,222.7	18.0	19.8	16.63	-235.2	-1,626.8	332.8	297.3	35.47	9.381	
8,525.0	8,235.1	8,465.3	8,241.5	18.0	19.8	17.93	-235.4	-1,627.6	317.5	281.9	35.53	8.935	
8,550.0	8,254.0	8,483.3	8,259.5	18.0	19.8	19.32	-235.6	-1,628.3	301.2	265.7	35.59	8.464	
8,575.0	8,272.0	8,500.0	8,276.1	18.0	19.9	21.44	-235.8	-1,628.9	284.2	248.6	35.65	7.971	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - _WILD THING FED COM 910H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 10273-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error:	0.0 usft
Reference	Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
8,600.0	8,289.1	8,516.9	8,293.0	18.0	19.9	23.89	-235.9	-1,629.4	266.4	230.7	35.73	7.456		
8,625.0	8,305.2	8,532.4	8,308.5	18.0	19.9	26.87	-236.0	-1,629.8	247.9	212.1	35.81	6.922		
8,650.0	8,320.3	8,546.9	8,323.0	18.1	19.9	30.55	-236.1	-1,630.1	228.7	192.8	35.90	6.373		
8,675.0	8,334.4	8,560.4	8,336.5	18.1	19.9	35.09	-236.2	-1,630.3	209.1	173.1	36.00	5.809		
8,700.0	8,347.3	8,572.8	8,348.9	18.1	20.0	40.62	-236.2	-1,630.5	189.1	153.0	36.12	5.235		
8,725.0	8,359.1	8,584.2	8,360.3	18.1	20.0	47.21	-236.3	-1,630.6	168.9	132.6	36.28	4.655		
8,750.0	8,369.8	8,594.5	8,370.6	18.1	20.0	54.77	-236.3	-1,630.7	148.7	112.2	36.48	4.077		
8,775.0	8,379.2	8,603.7	8,379.8	18.1	20.0	62.93	-236.3	-1,630.8	129.0	92.2	36.72	3.512		
8,800.0	8,387.4	8,611.7	8,387.8	18.2	20.0	71.09	-236.3	-1,630.8	110.2	73.2	37.03	2.976 Normal Operations		
8,825.0	8,394.4	8,618.5	8,394.6	18.2	20.0	78.49	-236.3	-1,630.9	93.5	56.0	37.46	2.495 Caution - Monitor Closely		
8,850.0	8,400.1	8,624.0	8,400.1	18.2	20.0	84.52	-236.3	-1,630.9	80.4	42.4	37.94	2.119 Caution - Monitor Closely		
8,875.0	8,404.5	8,628.4	8,404.5	18.2	20.0	88.81	-236.3	-1,630.9	73.2	35.3	37.92	1.931 Caution - Monitor Closely		
8,885.0	8,405.9	8,629.8	8,405.9	18.3	20.0	89.99	-236.3	-1,630.9	72.5	34.7	37.88	1.915 Caution - Monitor Closely, CC, ES, SF		
8,900.0	8,407.6	8,631.5	8,407.6	18.3	20.0	91.16	-236.3	-1,630.9	74.0	36.4	37.65	1.966 Caution - Monitor Closely		
8,925.0	8,409.4	8,633.3	8,409.4	18.3	20.0	91.47	-236.3	-1,630.9	82.7	45.7	37.03	2.233 Caution - Monitor Closely		
8,947.3	8,410.0	8,633.9	8,410.0	18.3	20.0	90.00	-236.3	-1,630.9	95.5	59.0	36.50	2.616 Normal Operations		
9,000.0	8,410.0	8,633.9	8,410.0	18.4	20.0	89.99	-236.3	-1,630.9	135.7	100.0	35.77	3.794		
9,100.0	8,410.0	8,633.9	8,410.0	18.6	20.0	89.99	-236.3	-1,630.9	226.6	191.3	35.38	6.406		
9,200.0	8,409.9	8,633.8	8,409.9	18.8	20.0	89.98	-236.3	-1,630.9	323.0	287.7	35.29	9.152		
9,300.0	8,409.9	8,633.8	8,409.9	19.0	20.0	89.98	-236.3	-1,630.9	421.0	385.7	35.26	11.939		
9,400.0	8,409.9	8,633.8	8,409.9	19.3	20.0	89.97	-236.3	-1,630.9	519.8	484.5	35.26	14.743		
9,500.0	8,409.9	8,633.8	8,409.9	19.6	20.0	89.97	-236.3	-1,630.9	619.0	583.7	35.27	17.550		
9,600.0	8,409.9	8,633.8	8,409.9	19.9	20.0	89.96	-236.3	-1,630.9	718.4	683.1	35.29	20.355		
9,700.0	8,409.9	8,633.8	8,409.9	20.3	20.0	89.96	-236.3	-1,630.9	817.9	782.6	35.33	23.152		
9,800.0	8,409.9	8,633.8	8,409.9	20.6	20.0	89.95	-236.3	-1,630.9	917.6	882.2	35.38	25.936		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWPO	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - OXBOW 23-24 B2MP FED COM 1Y - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-r.5 GYRO-NS, 589-r.5 MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,300.0	8,409.2	18,648.0	8,371.7	84.9	254.9	-84.94	11,023.5	-2,164.6	947.4	616.8	330.63	2.866	Normal Operations
19,400.0	8,409.2	18,648.0	8,371.7	85.7	254.9	-84.94	11,023.5	-2,164.6	859.2	535.4	323.78	2.654	Normal Operations
19,491.6	8,409.2	18,648.0	8,371.7	86.4	254.9	-84.94	11,023.5	-2,164.6	780.9	465.6	315.35	2.476	Caution - Monitor Closely
19,500.0	8,409.2	18,648.0	8,371.7	86.4	254.9	-84.92	11,023.5	-2,164.6	773.9	459.4	314.49	2.461	Caution - Monitor Closely
19,522.8	8,409.2	18,648.0	8,371.7	86.6	254.9	-84.86	11,023.5	-2,164.6	754.9	442.7	312.16	2.418	Caution - Monitor Closely
19,600.0	8,409.2	18,648.0	8,371.7	87.2	254.9	-84.86	11,023.5	-2,164.6	691.9	389.9	301.96	2.291	Caution - Monitor Closely
19,700.0	8,409.2	18,648.0	8,371.7	87.9	254.9	-84.86	11,023.5	-2,164.6	615.1	331.1	284.06	2.166	Caution - Monitor Closely
19,800.0	8,409.2	18,648.0	8,371.7	88.7	254.9	-84.86	11,023.5	-2,164.6	546.0	287.1	258.92	2.109	Caution - Monitor Closely, SF
19,900.0	8,409.2	18,648.0	8,371.7	89.4	254.9	-84.86	11,023.5	-2,164.6	487.7	263.0	224.63	2.171	Caution - Monitor Closely
20,000.0	8,409.2	18,648.0	8,371.7	90.2	254.9	-84.86	11,023.5	-2,164.6	444.5	261.9	182.52	2.435	Caution - Monitor Closely, ES
20,100.0	8,409.2	18,648.0	8,371.7	90.9	254.9	-84.86	11,023.5	-2,164.6	421.0	276.0	144.99	2.904	Normal Operations
20,151.4	8,409.2	18,648.0	8,371.7	91.3	254.9	-84.86	11,023.5	-2,164.6	417.9	281.3	136.58	3.059	CC
20,200.0	8,409.2	18,648.0	8,371.7	91.7	254.9	-84.86	11,023.5	-2,164.6	420.7	281.3	139.37	3.019	
20,300.0	8,409.2	18,648.0	8,371.7	92.4	254.9	-84.86	11,023.5	-2,164.6	443.5	273.1	170.44	2.602	Normal Operations
20,400.0	8,409.1	18,648.0	8,371.7	93.2	254.9	-84.86	11,023.5	-2,164.6	486.2	274.9	211.32	2.301	Caution - Monitor Closely
20,500.0	8,409.1	18,648.0	8,371.7	93.9	254.9	-84.86	11,023.5	-2,164.6	544.2	297.8	246.34	2.209	Caution - Monitor Closely
20,600.0	8,409.1	18,648.0	8,371.7	94.7	254.9	-84.86	11,023.5	-2,164.6	613.1	340.3	272.71	2.248	Caution - Monitor Closely
20,700.0	8,409.1	18,648.0	8,371.7	95.4	254.9	-84.86	11,023.5	-2,164.6	689.6	397.8	291.85	2.363	Caution - Monitor Closely
20,800.0	8,409.1	18,648.0	8,371.7	96.2	254.9	-84.86	11,023.5	-2,164.6	771.5	465.8	305.70	2.524	Normal Operations
20,900.0	8,409.1	18,648.0	8,371.7	96.9	254.9	-84.86	11,023.5	-2,164.6	857.3	541.5	315.85	2.714	Normal Operations
21,000.0	8,409.1	18,648.0	8,371.7	97.7	254.9	-84.86	11,023.5	-2,164.6	945.9	622.4	323.43	2.925	Normal Operations

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - OXBOW 26-25 B2DA FED COM 1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-r.5 GYRO-NS, 590-r.5 MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,000.0	8,409.3	18,600.0	8,357.9	75.2	253.8	-82.97	9,698.4	-2,153.7	922.8	602.8	319.92	2.884	Normal Operations
18,100.0	8,409.3	18,600.0	8,357.9	76.0	253.8	-82.97	9,698.4	-2,153.7	835.0	523.4	311.55	2.680	Normal Operations
18,200.0	8,409.3	18,600.0	8,357.9	76.7	253.8	-82.97	9,698.4	-2,153.7	750.2	450.0	300.24	2.499	Caution - Monitor Closely
18,300.0	8,409.3	18,600.0	8,357.9	77.5	253.8	-82.97	9,698.4	-2,153.7	669.7	385.0	284.68	2.352	Caution - Monitor Closely
18,400.0	8,409.3	18,600.0	8,357.9	78.2	253.8	-82.97	9,698.4	-2,153.7	595.1	332.0	263.08	2.262	Caution - Monitor Closely
18,500.0	8,409.3	18,600.0	8,357.9	79.0	253.8	-82.97	9,698.4	-2,153.7	529.0	295.7	233.27	2.268	Caution - Monitor Closely
18,600.0	8,409.3	18,600.0	8,357.9	79.7	253.8	-82.97	9,698.4	-2,153.7	474.8	280.7	194.08	2.446	Caution - Monitor Closely
18,700.0	8,409.3	18,600.0	8,357.9	80.5	253.8	-82.97	9,698.4	-2,153.7	437.2	286.9	150.25	2.910	Normal Operations
18,800.0	8,409.3	18,600.0	8,357.9	81.2	253.8	-82.97	9,698.4	-2,153.7	420.4	297.2	123.28	3.410	
18,821.7	8,409.3	18,600.0	8,357.9	81.4	253.8	-82.97	9,698.4	-2,153.7	419.9	296.8	123.05	3.412	CC
18,900.0	8,409.3	18,600.0	8,357.9	81.9	253.8	-82.97	9,698.4	-2,153.7	427.1	286.6	140.53	3.039	
19,000.0	8,409.3	18,600.0	8,357.9	82.7	253.8	-82.97	9,698.4	-2,153.7	456.2	271.8	184.31	2.475	Caution - Monitor Closely, ES
19,100.0	8,409.3	18,600.0	8,357.9	83.4	253.8	-82.97	9,698.4	-2,153.7	503.7	276.6	227.14	2.218	Caution - Monitor Closely
19,200.0	8,409.2	18,600.0	8,357.9	84.2	253.8	-82.97	9,698.4	-2,153.7	565.1	304.7	260.49	2.170	Caution - Monitor Closely, SF
19,300.0	8,409.2	18,600.0	8,357.9	84.9	253.8	-82.97	9,698.4	-2,153.7	636.4	351.8	284.62	2.236	Caution - Monitor Closely
19,400.0	8,409.2	18,600.0	8,357.9	85.7	253.8	-82.97	9,698.4	-2,153.7	714.6	412.8	301.79	2.368	Caution - Monitor Closely
19,491.6	8,409.2	18,600.0	8,357.9	86.4	253.8	-82.97	9,698.4	-2,153.7	790.6	477.4	313.19	2.524	Normal Operations
19,500.0	8,409.2	18,600.0	8,357.9	86.4	253.8	-83.00	9,698.4	-2,153.7	797.7	483.4	314.30	2.538	Normal Operations
19,522.8	8,409.2	18,600.0	8,357.9	86.6	253.8	-83.09	9,698.4	-2,153.7	817.1	499.7	317.34	2.575	Normal Operations
19,600.0	8,409.2	18,600.0	8,357.9	87.2	253.8	-83.09	9,698.4	-2,153.7	883.8	559.7	324.16	2.727	Normal Operations
19,700.0	8,409.2	18,600.0	8,357.9	87.9	253.8	-83.09	9,698.4	-2,153.7	972.6	641.6	330.95	2.939	Normal Operations

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWPO	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - OXBOW 26-25 B2EH FED COM 1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 197-r.5 MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,600.0	8,409.4	18,530.0	8,355.6	64.9	254.2	-82.62	8,313.5	-2,147.6	935.7	611.4	324.30	2.885	Normal Operations
16,700.0	8,409.4	18,530.0	8,355.6	65.6	254.2	-82.62	8,313.5	-2,147.6	847.5	530.9	316.62	2.677	Normal Operations
16,800.0	8,409.4	18,530.0	8,355.6	66.4	254.2	-82.62	8,313.5	-2,147.6	762.2	456.0	306.17	2.489	Caution - Monitor Closely
16,900.0	8,409.4	18,530.0	8,355.6	67.1	254.2	-82.62	8,313.5	-2,147.6	680.8	389.2	291.66	2.334	Caution - Monitor Closely
17,000.0	8,409.4	18,530.0	8,355.6	67.8	254.2	-82.62	8,313.5	-2,147.6	605.1	333.9	271.25	2.231	Caution - Monitor Closely
17,100.0	8,409.4	18,530.0	8,355.6	68.6	254.2	-82.62	8,313.5	-2,147.6	537.4	294.9	242.51	2.216	Caution - Monitor Closely, SF
17,200.0	8,409.4	18,530.0	8,355.6	69.3	254.2	-82.62	8,313.5	-2,147.6	481.1	277.8	203.25	2.367	Caution - Monitor Closely, ES
17,300.0	8,409.4	18,530.0	8,355.6	70.1	254.2	-82.62	8,313.5	-2,147.6	440.5	285.4	155.11	2.840	Normal Operations
17,400.0	8,409.4	18,530.0	8,355.6	70.8	254.2	-82.62	8,313.5	-2,147.6	420.3	305.9	114.40	3.674	
17,436.8	8,409.4	18,530.0	8,355.6	71.1	254.2	-82.62	8,313.5	-2,147.6	418.7	309.7	109.04	3.840	CC
17,500.0	8,409.4	18,530.0	8,355.6	71.5	254.2	-82.62	8,313.5	-2,147.6	423.5	305.4	118.04	3.587	
17,600.0	8,409.4	18,530.0	8,355.6	72.3	254.2	-82.62	8,313.5	-2,147.6	449.4	288.5	160.90	2.793	Normal Operations
17,700.0	8,409.4	18,530.0	8,355.6	73.0	254.2	-82.62	8,313.5	-2,147.6	494.5	287.4	207.13	2.388	Caution - Monitor Closely
17,800.0	8,409.3	18,530.0	8,355.6	73.8	254.2	-82.62	8,313.5	-2,147.6	554.3	310.2	244.03	2.271	Caution - Monitor Closely
17,900.0	8,409.3	18,530.0	8,355.6	74.5	254.2	-82.62	8,313.5	-2,147.6	624.4	353.4	271.00	2.304	Caution - Monitor Closely
18,000.0	8,409.3	18,530.0	8,355.6	75.2	254.2	-82.62	8,313.5	-2,147.6	701.8	411.5	290.31	2.417	Caution - Monitor Closely
18,100.0	8,409.3	18,530.0	8,355.6	76.0	254.2	-82.62	8,313.5	-2,147.6	784.3	480.1	304.19	2.578	Normal Operations
18,200.0	8,409.3	18,530.0	8,355.6	76.7	254.2	-82.62	8,313.5	-2,147.6	870.5	556.1	314.33	2.769	Normal Operations
18,300.0	8,409.3	18,530.0	8,355.6	77.5	254.2	-82.62	8,313.5	-2,147.6	959.4	637.5	321.89	2.980	Normal Operations

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWPO	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - OXBOW 26-25 B2LI FED COM 1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-r.5 MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
14,800.0	8,409.6	18,553.7	8,362.7	51.8	253.3	-83.78	6,557.3	-2,155.5	980.8	657.7	323.10	3.036	
14,900.0	8,409.5	18,553.7	8,362.7	52.5	253.3	-83.78	6,557.3	-2,155.5	892.1	576.3	315.82	2.825	Normal Operations
15,000.0	8,409.5	18,553.7	8,362.7	53.2	253.3	-83.78	6,557.3	-2,155.5	806.0	500.0	306.04	2.634	Normal Operations
15,100.0	8,409.5	18,553.7	8,362.7	54.0	253.3	-83.78	6,557.3	-2,155.5	723.5	430.9	292.66	2.472	Caution - Monitor Closely
15,200.0	8,409.5	18,553.7	8,362.7	54.7	253.3	-83.78	6,557.3	-2,155.5	646.1	372.0	274.05	2.357	Caution - Monitor Closely
15,300.0	8,409.5	18,553.7	8,362.7	55.4	253.3	-83.78	6,557.3	-2,155.5	575.5	327.5	248.00	2.321	Caution - Monitor Closely, SF
15,400.0	8,409.5	18,553.7	8,362.7	56.1	253.3	-83.78	6,557.3	-2,155.5	514.9	302.9	212.02	2.429	Caution - Monitor Closely
15,500.0	8,409.5	18,553.7	8,362.7	56.9	253.3	-83.78	6,557.3	-2,155.5	468.0	302.7	165.24	2.832	Normal Operations, ES
15,600.0	8,409.5	18,553.7	8,362.7	57.6	253.3	-83.78	6,557.3	-2,155.5	439.1	323.9	115.20	3.812	
15,680.7	8,409.5	18,553.7	8,362.7	58.2	253.3	-83.78	6,557.3	-2,155.5	431.7	337.9	93.76	4.604	CC
15,700.0	8,409.5	18,553.7	8,362.7	58.3	253.3	-83.78	6,557.3	-2,155.5	432.1	337.8	94.33	4.581	
15,800.0	8,409.5	18,553.7	8,362.7	59.0	253.3	-83.78	6,557.3	-2,155.5	447.9	319.8	128.06	3.497	
15,900.0	8,409.5	18,553.7	8,362.7	59.8	253.3	-83.78	6,557.3	-2,155.5	484.2	306.1	178.13	2.718	Normal Operations
16,000.0	8,409.5	18,553.7	8,362.7	60.5	253.3	-83.78	6,557.3	-2,155.5	536.9	315.7	221.22	2.427	Caution - Monitor Closely
16,100.0	8,409.5	18,553.7	8,362.7	61.2	253.3	-83.78	6,557.3	-2,155.5	601.8	348.2	253.64	2.373	Caution - Monitor Closely
16,200.0	8,409.5	18,553.7	8,362.7	62.0	253.3	-83.78	6,557.3	-2,155.5	675.3	398.2	277.08	2.437	Caution - Monitor Closely
16,300.0	8,409.5	18,553.7	8,362.7	62.7	253.3	-83.78	6,557.3	-2,155.5	754.9	461.0	293.96	2.568	Normal Operations
16,400.0	8,409.4	18,553.7	8,362.7	63.4	253.3	-83.78	6,557.3	-2,155.5	838.9	532.7	306.25	2.739	Normal Operations
16,500.0	8,409.4	18,553.7	8,362.7	64.2	253.3	-83.78	6,557.3	-2,155.5	926.1	610.7	315.35	2.937	Normal Operations

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWPO	Offset TVD Reference:	Reference Datum

Offset Design: WTF COM PROJECT - TROJANS BQT STATE 1H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 200-r.5 GYRO-NS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,775.0	8,379.2	8,381.2	8,364.1	18.1	32.9	-65.71	418.8	-2,334.7	989.8	938.0	51.85	19.091	
8,800.0	8,387.4	8,389.7	8,372.6	18.2	33.0	-69.20	418.9	-2,334.8	971.9	919.9	51.92	18.720	
8,825.0	8,394.4	8,396.9	8,379.8	18.2	33.0	-72.73	418.9	-2,335.0	953.8	901.8	51.98	18.350	
8,850.0	8,400.1	8,402.8	8,385.7	18.2	33.0	-76.24	418.9	-2,335.1	935.7	883.7	52.04	17.983	
8,875.0	8,404.5	8,407.4	8,390.3	18.2	33.0	-79.67	419.0	-2,335.1	917.7	865.7	52.09	17.619	
8,900.0	8,407.6	8,410.7	8,393.6	18.3	33.0	-82.98	419.0	-2,335.2	899.9	847.8	52.14	17.260	
8,925.0	8,409.4	8,412.6	8,395.6	18.3	33.0	-86.12	419.0	-2,335.2	882.3	830.1	52.19	16.907	
8,947.3	8,410.0	8,413.3	8,396.2	18.3	33.0	-88.75	419.0	-2,335.2	866.8	814.6	52.22	16.598	
9,000.0	8,410.0	8,413.5	8,396.5	18.4	33.0	-88.78	419.0	-2,335.2	831.5	779.2	52.32	15.893	
9,100.0	8,410.0	8,414.0	8,397.0	18.6	33.0	-88.82	419.0	-2,335.2	770.0	717.4	52.55	14.651	
9,200.0	8,409.9	8,414.5	8,397.4	18.8	33.0	-88.86	419.0	-2,335.3	717.1	664.2	52.86	13.567	
9,300.0	8,409.9	8,415.0	8,397.9	19.0	33.0	-88.91	419.0	-2,335.3	675.0	621.8	53.22	12.683	
9,400.0	8,409.9	8,415.5	8,398.4	19.3	33.0	-88.95	419.0	-2,335.3	645.8	592.2	53.63	12.042	
9,500.0	8,409.9	8,416.0	8,398.9	19.6	33.0	-89.00	419.0	-2,335.3	631.2	577.2	54.02	11.684	
9,543.0	8,409.9	8,416.2	8,399.1	19.7	33.0	-89.01	419.0	-2,335.3	629.8	575.6	54.18	11.624 CC, ES, SF	
9,600.0	8,409.9	8,416.4	8,399.4	19.9	33.0	-89.04	419.0	-2,335.3	632.3	578.0	54.35	11.634	
9,700.0	8,409.9	8,416.9	8,399.8	20.3	33.0	-89.08	419.0	-2,335.3	649.0	594.5	54.57	11.893	
9,800.0	8,409.9	8,417.4	8,400.3	20.6	33.0	-89.12	419.0	-2,335.3	680.2	625.5	54.67	12.441	
9,900.0	8,409.9	8,417.8	8,400.7	21.0	33.1	-89.16	419.0	-2,335.3	723.9	669.2	54.67	13.242	
10,000.0	8,409.9	8,418.3	8,401.2	21.4	33.1	-89.21	419.0	-2,335.3	778.1	723.5	54.60	14.251	
10,100.0	8,409.9	8,418.7	8,401.6	21.9	33.1	-89.25	419.0	-2,335.3	840.7	786.3	54.49	15.429	
10,200.0	8,409.9	8,419.1	8,402.1	22.3	33.1	-89.29	419.0	-2,335.3	910.1	855.7	54.37	16.739	
10,300.0	8,409.9	8,419.6	8,402.5	22.8	33.1	-89.33	419.0	-2,335.3	984.7	930.5	54.25	18.152	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Reference Depths are relative to GL @ 2923.0usft

Offset Depths are relative to Offset Datum

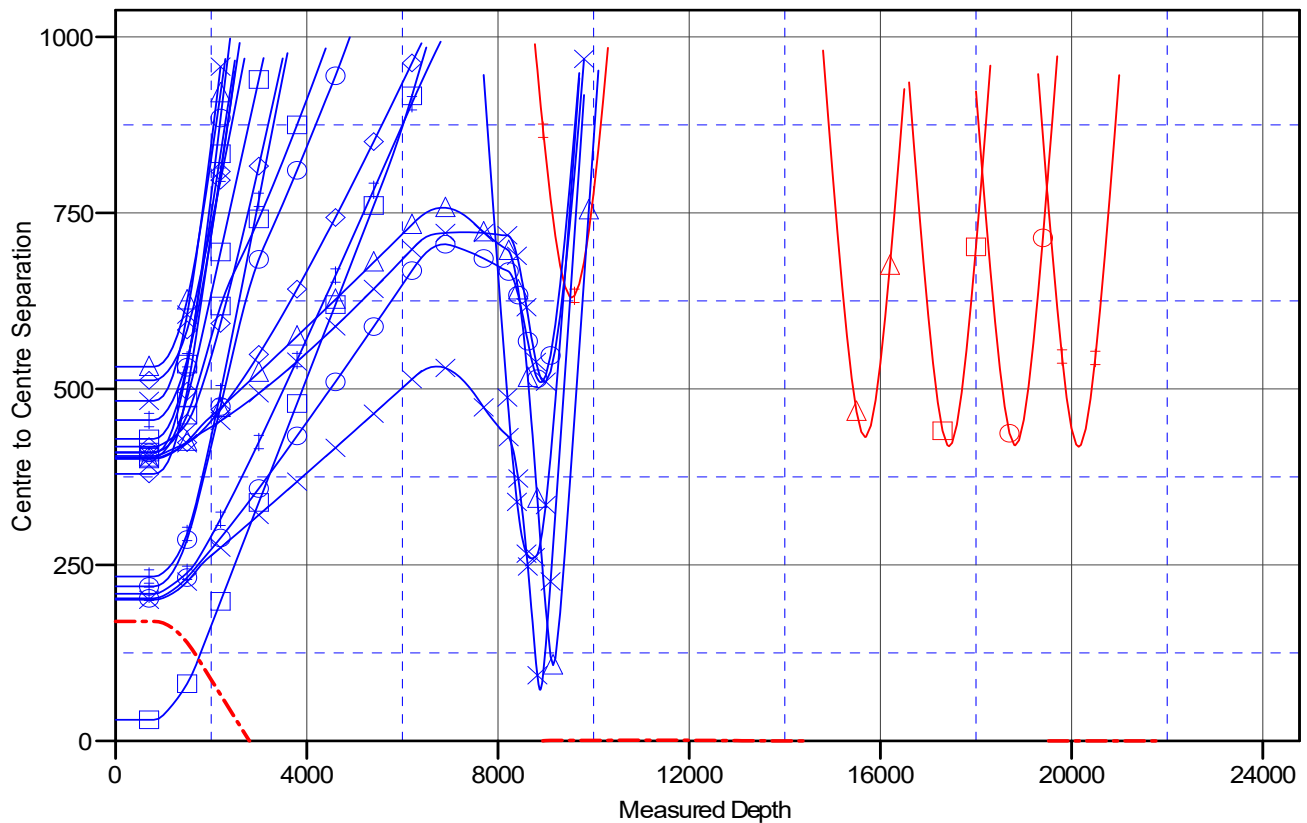
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _WILD THING FED COM 504H

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

Grid Convergence at Surface is: 0.16°

Ladder Plot



LEGEND

_PUDGE FEDERAL COM 902H, OWB, PWP0 V0 _PUDGE FEDERAL COM 903H, OWB, PWP0 V0 _PUDGE FEDERAL COM 70H, OWB, PWP0 V0 _PUDGE FEDERAL COM 702H, OWB, PWP0 V0 _PUDGE FEDERAL COM 50H, OWB, PWP0 V0 _PUDGE FEDERAL COM 904H, OWB, PWP0 V0 _PUDGE FEDERAL COM 50H, OWB, PWP0 V0 _PUDGE FEDERAL COM 90H, OWB, PWP0 V0 - OXBOW 26-25 B2EH FED COM 1H, OWB, AWP V0	_WILD THING FED COM 708H, OWB, PWP0 V0 _WILD THING FED COM 709H, OWB, PWP0 V0 - OXBOW 26-25 B2LI FED COM 1H, OWB, AWP V0 - TROJANS BOT STATE 1H, OWB, AWP V0 _WILD THING FED COM 710H, OWB, PWP0 V0 - OXBOW 23-24 B2MP FED COM 1Y, OWB, AWP V0 _WILD THING FED COM 707H, OWB, PWP0 V0 _WILD THING FED COM 907H, OWB, PWP0 V0 _WILD THING FED COM 503H, OWB, PWP0 V0	_WILD THING FED COM 706H, OWB, PWP0 V0 _WILD THING FED COM 909H, OWB, PWP0 V0 - OXBOW 26-25 B2DA FED COM 1H, OWB, AWP V0 _WILD THING FED COM 910H, OWB, PWP0 V0 _WILD THING FED COM 906H, OWB, PWP0 V0 _WILD THING FED COM 908H, OWB, PWP0 V0 - RICK VAUGHN FED COM 50H, OWB, PWP2 V0
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CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	GL @ 2923.0usft
Reference Site:	WTF COM PROJECT	MD Reference:	GL @ 2923.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP0	Offset TVD Reference:	Reference Datum

Reference Depths are relative to GL @ 2923.0usft

Offset Depths are relative to Offset Datum

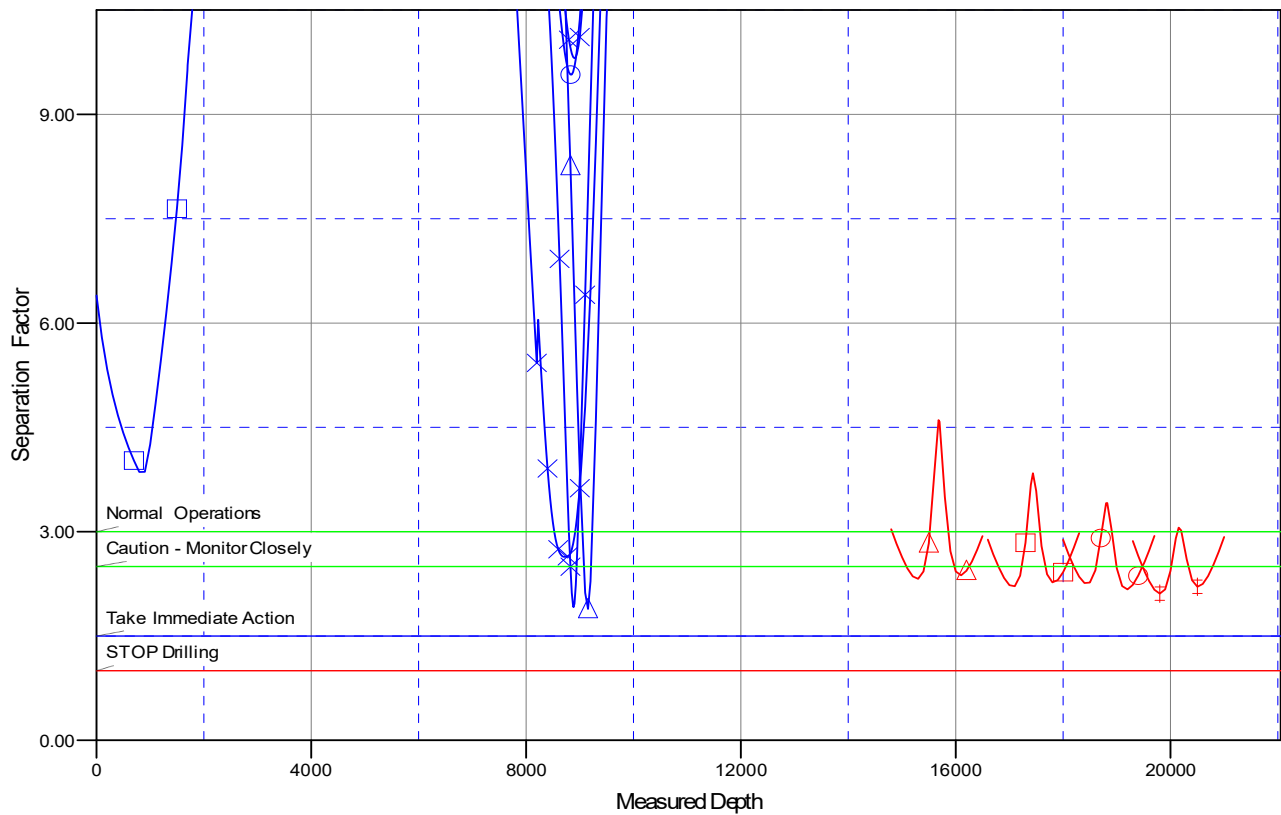
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: _WILD THING FED COM 504H

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

Grid Convergence at Surface is: 0.16°

Separation Factor Plot



LEGEND

_PUDGE FEDERAL COM 902H, OWB, PWP0 V0 _PUDGE FEDERAL COM 903H, OWB, PWP0 V0 _PUDGE FEDERAL COM 70H, OWB, PWP0 V0 _PUDGE FEDERAL COM 702H, OWB, PWP0 V0 _PUDGE FEDERAL COM 50H, OWB, PWP0 V0 _PUDGE FEDERAL COM 904H, OWB, PWP0 V0 _PUDGE FEDERAL COM 50H, OWB, PWP0 V0 _PUDGE FEDERAL COM 90H, OWB, PWP0 V0 - OXBOW 26-25 B2EH FED COM 1H, OWB, AWP V0	_WILD THING FED COM 708H OWB, PWP0 V0 _WILD THING FED COM 709H OWB, PWP0 V0 - OXBOW 26-25 B2LI FED COM 1H, OWB, AWP V0 - TROJANS BOT STATE 1H, OWB, AWP V0 _WILD THING FED COM 710H OWB, PWP0 V0 - OXBOW 23-24 B2MP FED COM 1Y, OWB, AWP V0 _WILD THING FED COM 707H OWB, PWP0 V0 _WILD THING FED COM 907H OWB, PWP0 V0 _WILD THING FED COM 503H OWB, PWP0 V0	_WILD THING FED COM 706H OWB, PWP0 V0 _WILD THING FED COM 909H OWB, PWP0 V0 - OXBOW 26-25 B2DA FED COM 1H, OWB, AWP V0 _WILD THING FED COM 910H OWB, PWP0 V0 _WILD THING FED COM 908H OWB, PWP0 V0 _WILD THING FED COM 908H OWB, PWP0 V0 - RICK VAUGHN FED COM 50H, OWB, PWP2 V0
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CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)

WTF COM PROJECT

_WILD THING FED COM 504H

OWB

Plan: PWP0

Standard Planning Report

30 June, 2025

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Company:	DELAWARE BASIN WEST	TVD Reference:	GL @ 2923.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	GL @ 2923.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project	ATLAS PROSPECT (DBW)		
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		

Site		WTF COM PROJECT			
Site Position:		Northing:	397,873.03 usft	Latitude:	32° 5' 36.560 N
From:	Map	Easting:	596,088.55 usft	Longitude:	104° 1' 22.981 W
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	

Well	_WILD THING FED COM 504H					
Well Position	+N/-S	0.0 usft	Northing:	392,805.45 usft	Latitude:	32° 4' 46.426 N
	+E/-W	0.0 usft	Easting:	595,477.96 usft	Longitude:	104° 1' 30.248 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	2,923.0 usft
Grid Convergence:		0.16 °				

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	4/6/2023	6.62	59.66	47,410.05809543

Design	PWP0				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:		Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
		0.0	0.0	0.0	352.20

Plan Survey Tool Program		Date	6/30/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,000.0 PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp	
2	8,213.7	22,081.6 PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-St	

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Company:	DELAWARE BASIN WEST	TVD Reference:	GL @ 2923.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	GL @ 2923.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,694.3	17.89	249.04	1,679.9	-49.5	-129.3	2.00	2.00	0.00	249.04	
6,276.2	17.89	249.04	6,040.3	-552.9	-1,443.4	0.00	0.00	0.00	0.00	
8,064.8	0.00	0.00	7,800.0	-652.0	-1,702.0	1.00	-1.00	0.00	180.00	
8,197.3	0.00	0.00	7,932.5	-652.0	-1,702.0	0.00	0.00	0.00	0.00	
8,947.3	90.00	359.81	8,410.0	-174.5	-1,703.6	12.00	12.00	-0.03	359.81	
14,171.0	90.00	359.81	8,409.6	5,049.1	-1,721.3	0.00	0.00	0.00	0.00	
19,491.6	90.00	359.81	8,409.2	10,369.7	-1,739.3	0.00	0.00	0.00	0.00	
19,522.8	90.01	359.18	8,409.2	10,400.8	-1,739.5	2.00	0.00	-2.00	-89.90	
22,081.6	90.01	359.18	8,409.0	12,959.4	-1,776.0	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Company:	DELAWARE BASIN WEST	TVD Reference:	GL @ 2923.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	GL @ 2923.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
900.0	2.00	249.04	900.0	-0.6	-1.6	-0.4	2.00	2.00	0.00
1,000.0	4.00	249.04	999.8	-2.5	-6.5	-1.6	2.00	2.00	0.00
1,100.0	6.00	249.04	1,099.5	-5.6	-14.7	-3.6	2.00	2.00	0.00
1,200.0	8.00	249.04	1,198.7	-10.0	-26.0	-6.3	2.00	2.00	0.00
1,300.0	10.00	249.04	1,297.5	-15.6	-40.6	-9.9	2.00	2.00	0.00
1,400.0	12.00	249.04	1,395.6	-22.4	-58.5	-14.3	2.00	2.00	0.00
1,500.0	14.00	249.04	1,493.1	-30.4	-79.5	-19.4	2.00	2.00	0.00
1,600.0	16.00	249.04	1,589.6	-39.7	-103.6	-25.3	2.00	2.00	0.00
1,694.3	17.89	249.04	1,679.9	-49.5	-129.3	-31.5	2.00	2.00	0.00
Start 4581.9 hold at 1694.3 MD									
1,700.0	17.89	249.04	1,685.3	-50.2	-130.9	-31.9	0.00	0.00	0.00
1,800.0	17.89	249.04	1,780.4	-61.1	-159.6	-38.9	0.00	0.00	0.00
1,900.0	17.89	249.04	1,875.6	-72.1	-188.3	-45.9	0.00	0.00	0.00
2,000.0	17.89	249.04	1,970.8	-83.1	-217.0	-52.9	0.00	0.00	0.00
2,100.0	17.89	249.04	2,065.9	-94.1	-245.7	-59.9	0.00	0.00	0.00
2,200.0	17.89	249.04	2,161.1	-105.1	-274.3	-66.9	0.00	0.00	0.00
2,300.0	17.89	249.04	2,256.3	-116.1	-303.0	-73.9	0.00	0.00	0.00
2,400.0	17.89	249.04	2,351.4	-127.1	-331.7	-80.9	0.00	0.00	0.00
2,500.0	17.89	249.04	2,446.6	-138.1	-360.4	-87.8	0.00	0.00	0.00
2,600.0	17.89	249.04	2,541.8	-149.0	-389.1	-94.8	0.00	0.00	0.00
2,700.0	17.89	249.04	2,636.9	-160.0	-417.7	-101.8	0.00	0.00	0.00
2,800.0	17.89	249.04	2,732.1	-171.0	-446.4	-108.8	0.00	0.00	0.00
2,900.0	17.89	249.04	2,827.3	-182.0	-475.1	-115.8	0.00	0.00	0.00
3,000.0	17.89	249.04	2,922.4	-193.0	-503.8	-122.8	0.00	0.00	0.00
3,100.0	17.89	249.04	3,017.6	-204.0	-532.5	-129.8	0.00	0.00	0.00
3,200.0	17.89	249.04	3,112.8	-215.0	-561.1	-136.8	0.00	0.00	0.00
3,300.0	17.89	249.04	3,207.9	-225.9	-589.8	-143.8	0.00	0.00	0.00
3,400.0	17.89	249.04	3,303.1	-236.9	-618.5	-150.8	0.00	0.00	0.00
3,500.0	17.89	249.04	3,398.3	-247.9	-647.2	-157.8	0.00	0.00	0.00
3,600.0	17.89	249.04	3,493.4	-258.9	-675.9	-164.7	0.00	0.00	0.00
3,700.0	17.89	249.04	3,588.6	-269.9	-704.5	-171.7	0.00	0.00	0.00
3,800.0	17.89	249.04	3,683.8	-280.9	-733.2	-178.7	0.00	0.00	0.00
3,900.0	17.89	249.04	3,778.9	-291.9	-761.9	-185.7	0.00	0.00	0.00
4,000.0	17.89	249.04	3,874.1	-302.9	-790.6	-192.7	0.00	0.00	0.00
4,100.0	17.89	249.04	3,969.3	-313.8	-819.3	-199.7	0.00	0.00	0.00
4,200.0	17.89	249.04	4,064.4	-324.8	-847.9	-206.7	0.00	0.00	0.00
4,300.0	17.89	249.04	4,159.6	-335.8	-876.6	-213.7	0.00	0.00	0.00
4,400.0	17.89	249.04	4,254.8	-346.8	-905.3	-220.7	0.00	0.00	0.00
4,500.0	17.89	249.04	4,349.9	-357.8	-934.0	-227.7	0.00	0.00	0.00
4,600.0	17.89	249.04	4,445.1	-368.8	-962.7	-234.7	0.00	0.00	0.00
4,700.0	17.89	249.04	4,540.3	-379.8	-991.3	-241.6	0.00	0.00	0.00
4,800.0	17.89	249.04	4,635.4	-390.7	-1,020.0	-248.6	0.00	0.00	0.00
4,900.0	17.89	249.04	4,730.6	-401.7	-1,048.7	-255.6	0.00	0.00	0.00
5,000.0	17.89	249.04	4,825.8	-412.7	-1,077.4	-262.6	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Company:	DELAWARE BASIN WEST	TVD Reference:	GL @ 2923.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	GL @ 2923.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	17.89	249.04	4,920.9	-423.7	-1,106.1	-269.6	0.00	0.00	0.00
5,200.0	17.89	249.04	5,016.1	-434.7	-1,134.7	-276.6	0.00	0.00	0.00
5,300.0	17.89	249.04	5,111.3	-445.7	-1,163.4	-283.6	0.00	0.00	0.00
5,400.0	17.89	249.04	5,206.4	-456.7	-1,192.1	-290.6	0.00	0.00	0.00
5,500.0	17.89	249.04	5,301.6	-467.7	-1,220.8	-297.6	0.00	0.00	0.00
5,600.0	17.89	249.04	5,396.8	-478.6	-1,249.5	-304.6	0.00	0.00	0.00
5,700.0	17.89	249.04	5,491.9	-489.6	-1,278.1	-311.6	0.00	0.00	0.00
5,800.0	17.89	249.04	5,587.1	-500.6	-1,306.8	-318.6	0.00	0.00	0.00
5,900.0	17.89	249.04	5,682.3	-511.6	-1,335.5	-325.5	0.00	0.00	0.00
6,000.0	17.89	249.04	5,777.4	-522.6	-1,364.2	-332.5	0.00	0.00	0.00
6,100.0	17.89	249.04	5,872.6	-533.6	-1,392.9	-339.5	0.00	0.00	0.00
6,200.0	17.89	249.04	5,967.8	-544.6	-1,421.6	-346.5	0.00	0.00	0.00
6,276.2	17.89	249.04	6,040.3	-552.9	-1,443.4	-351.8	0.00	0.00	0.00
Start Drop -1.00									
6,300.0	17.65	249.04	6,063.0	-555.5	-1,450.2	-353.5	1.00	-1.00	0.00
6,400.0	16.65	249.04	6,158.5	-566.1	-1,477.7	-360.2	1.00	-1.00	0.00
6,500.0	15.65	249.04	6,254.6	-576.0	-1,503.7	-366.5	1.00	-1.00	0.00
6,600.0	14.65	249.04	6,351.1	-585.4	-1,528.1	-372.5	1.00	-1.00	0.00
6,700.0	13.65	249.04	6,448.1	-594.1	-1,550.9	-378.0	1.00	-1.00	0.00
6,800.0	12.65	249.04	6,545.4	-602.3	-1,572.2	-383.2	1.00	-1.00	0.00
6,900.0	11.65	249.04	6,643.2	-609.8	-1,591.8	-388.0	1.00	-1.00	0.00
7,000.0	10.65	249.04	6,741.3	-616.7	-1,609.9	-392.4	1.00	-1.00	0.00
7,100.0	9.65	249.04	6,839.7	-623.0	-1,626.3	-396.4	1.00	-1.00	0.00
7,200.0	8.65	249.04	6,938.5	-628.7	-1,641.2	-400.0	1.00	-1.00	0.00
7,300.0	7.65	249.04	7,037.5	-633.8	-1,654.4	-403.3	1.00	-1.00	0.00
7,400.0	6.65	249.04	7,136.7	-638.2	-1,666.0	-406.1	1.00	-1.00	0.00
7,500.0	5.65	249.04	7,236.1	-642.0	-1,676.0	-408.5	1.00	-1.00	0.00
7,600.0	4.65	249.04	7,335.7	-645.3	-1,684.4	-410.6	1.00	-1.00	0.00
7,700.0	3.65	249.04	7,435.4	-647.8	-1,691.2	-412.2	1.00	-1.00	0.00
7,800.0	2.65	249.04	7,535.3	-649.8	-1,696.3	-413.5	1.00	-1.00	0.00
7,900.0	1.65	249.04	7,635.2	-651.2	-1,699.8	-414.3	1.00	-1.00	0.00
8,000.0	0.65	249.04	7,735.2	-651.9	-1,701.7	-414.8	1.00	-1.00	0.00
8,064.8	0.00	0.00	7,800.0	-652.0	-1,702.0	-414.9	1.00	-1.00	0.00
Start 132.5 hold at 8064.8 MD									
8,100.0	0.00	0.00	7,835.2	-652.0	-1,702.0	-414.9	0.00	0.00	0.00
8,197.3	0.00	0.00	7,932.5	-652.0	-1,702.0	-414.9	0.00	0.00	0.00
Start DLS 12.00 TFO 359.81									
8,200.0	0.32	359.81	7,935.2	-652.0	-1,702.0	-414.9	12.00	12.00	0.00
8,225.0	3.32	359.81	7,960.2	-651.2	-1,702.0	-414.1	12.00	12.00	0.00
8,250.0	6.32	359.81	7,985.1	-649.1	-1,702.0	-412.0	12.00	12.00	0.00
8,275.0	9.32	359.81	8,009.8	-645.7	-1,702.0	-408.6	12.00	12.00	0.00
8,300.0	12.32	359.81	8,034.4	-641.0	-1,702.0	-404.0	12.00	12.00	0.00
8,325.0	15.32	359.81	8,058.7	-635.0	-1,702.1	-398.1	12.00	12.00	0.00
8,350.0	18.32	359.81	8,082.6	-627.8	-1,702.1	-390.9	12.00	12.00	0.00
8,375.0	21.32	359.81	8,106.1	-619.3	-1,702.1	-382.5	12.00	12.00	0.00
8,400.0	24.32	359.81	8,129.2	-609.6	-1,702.1	-372.9	12.00	12.00	0.00
8,425.0	27.32	359.81	8,151.7	-598.7	-1,702.2	-362.1	12.00	12.00	0.00
8,450.0	30.32	359.81	8,173.6	-586.7	-1,702.2	-350.1	12.00	12.00	0.00
8,475.0	33.32	359.81	8,194.8	-573.5	-1,702.3	-337.1	12.00	12.00	0.00
8,500.0	36.32	359.81	8,215.3	-559.2	-1,702.3	-322.9	12.00	12.00	0.00
8,525.0	39.32	359.81	8,235.1	-543.9	-1,702.4	-307.7	12.00	12.00	0.00
8,550.0	42.32	359.81	8,254.0	-527.6	-1,702.4	-291.5	12.00	12.00	0.00
8,575.0	45.32	359.81	8,272.0	-510.3	-1,702.5	-274.4	12.00	12.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Company:	DELAWARE BASIN WEST	TVD Reference:	GL @ 2923.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	GL @ 2923.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,600.0	48.32	359.81	8,289.1	-492.0	-1,702.5	-256.3	12.00	12.00	0.00	
8,625.0	51.32	359.81	8,305.2	-472.9	-1,702.6	-237.4	12.00	12.00	0.00	
8,650.0	54.32	359.81	8,320.3	-453.0	-1,702.7	-217.6	12.00	12.00	0.00	
8,675.0	57.32	359.81	8,334.4	-432.3	-1,702.7	-197.1	12.00	12.00	0.00	
8,700.0	60.32	359.81	8,347.3	-410.9	-1,702.8	-175.9	12.00	12.00	0.00	
8,725.0	63.32	359.81	8,359.1	-388.9	-1,702.9	-154.1	12.00	12.00	0.00	
8,750.0	66.32	359.81	8,369.8	-366.3	-1,703.0	-131.7	12.00	12.00	0.00	
8,775.0	69.32	359.81	8,379.2	-343.1	-1,703.0	-108.7	12.00	12.00	0.00	
8,800.0	72.32	359.81	8,387.4	-319.5	-1,703.1	-85.3	12.00	12.00	0.00	
8,825.0	75.32	359.81	8,394.4	-295.5	-1,703.2	-61.5	12.00	12.00	0.00	
8,850.0	78.32	359.81	8,400.1	-271.2	-1,703.3	-37.4	12.00	12.00	0.00	
8,875.0	81.32	359.81	8,404.5	-246.6	-1,703.4	-13.0	12.00	12.00	0.00	
8,900.0	84.32	359.81	8,407.6	-221.8	-1,703.5	11.6	12.00	12.00	0.00	
8,925.0	87.32	359.81	8,409.4	-196.8	-1,703.5	36.3	12.00	12.00	0.00	
8,947.3	90.00	359.81	8,410.0	-174.5	-1,703.6	58.4	12.00	12.00	0.00	
Start 5223.6 hold at 8947.4 MD										
9,000.0	90.00	359.81	8,410.0	-121.9	-1,703.8	110.6	0.00	0.00	0.00	
9,100.0	90.00	359.81	8,410.0	-21.9	-1,704.1	209.7	0.00	0.00	0.00	
9,200.0	90.00	359.81	8,409.9	78.1	-1,704.5	308.8	0.00	0.00	0.00	
9,300.0	90.00	359.81	8,409.9	178.1	-1,704.8	408.0	0.00	0.00	0.00	
9,400.0	90.00	359.81	8,409.9	278.1	-1,705.1	507.1	0.00	0.00	0.00	
9,500.0	90.00	359.81	8,409.9	378.1	-1,705.5	606.2	0.00	0.00	0.00	
9,600.0	90.00	359.81	8,409.9	478.1	-1,705.8	705.3	0.00	0.00	0.00	
9,700.0	90.00	359.81	8,409.9	578.1	-1,706.2	804.4	0.00	0.00	0.00	
9,800.0	90.00	359.81	8,409.9	678.1	-1,706.5	903.6	0.00	0.00	0.00	
9,900.0	90.00	359.81	8,409.9	778.1	-1,706.8	1,002.7	0.00	0.00	0.00	
10,000.0	90.00	359.81	8,409.9	878.1	-1,707.2	1,101.8	0.00	0.00	0.00	
10,100.0	90.00	359.81	8,409.9	978.1	-1,707.5	1,200.9	0.00	0.00	0.00	
10,200.0	90.00	359.81	8,409.9	1,078.1	-1,707.8	1,300.0	0.00	0.00	0.00	
10,300.0	90.00	359.81	8,409.9	1,178.1	-1,708.2	1,399.2	0.00	0.00	0.00	
10,400.0	90.00	359.81	8,409.9	1,278.1	-1,708.5	1,498.3	0.00	0.00	0.00	
10,500.0	90.00	359.81	8,409.9	1,378.1	-1,708.9	1,597.4	0.00	0.00	0.00	
10,600.0	90.00	359.81	8,409.8	1,478.1	-1,709.2	1,696.5	0.00	0.00	0.00	
10,700.0	90.00	359.81	8,409.8	1,578.1	-1,709.5	1,795.6	0.00	0.00	0.00	
10,800.0	90.00	359.81	8,409.8	1,678.1	-1,709.9	1,894.8	0.00	0.00	0.00	
10,900.0	90.00	359.81	8,409.8	1,778.1	-1,710.2	1,993.9	0.00	0.00	0.00	
11,000.0	90.00	359.81	8,409.8	1,878.1	-1,710.6	2,093.0	0.00	0.00	0.00	
11,100.0	90.00	359.81	8,409.8	1,978.1	-1,710.9	2,192.1	0.00	0.00	0.00	
11,200.0	90.00	359.81	8,409.8	2,078.1	-1,711.2	2,291.2	0.00	0.00	0.00	
11,300.0	90.00	359.81	8,409.8	2,178.1	-1,711.6	2,390.3	0.00	0.00	0.00	
11,400.0	90.00	359.81	8,409.8	2,278.1	-1,711.9	2,489.5	0.00	0.00	0.00	
11,500.0	90.00	359.81	8,409.8	2,378.1	-1,712.2	2,588.6	0.00	0.00	0.00	
11,600.0	90.00	359.81	8,409.8	2,478.1	-1,712.6	2,687.7	0.00	0.00	0.00	
11,700.0	90.00	359.81	8,409.8	2,578.1	-1,712.9	2,786.8	0.00	0.00	0.00	
11,800.0	90.00	359.81	8,409.8	2,678.1	-1,713.3	2,885.9	0.00	0.00	0.00	
11,900.0	90.00	359.81	8,409.8	2,778.1	-1,713.6	2,985.1	0.00	0.00	0.00	
12,000.0	90.00	359.81	8,409.8	2,878.1	-1,713.9	3,084.2	0.00	0.00	0.00	
12,100.0	90.00	359.81	8,409.7	2,978.1	-1,714.3	3,183.3	0.00	0.00	0.00	
12,200.0	90.00	359.81	8,409.7	3,078.1	-1,714.6	3,282.4	0.00	0.00	0.00	
12,300.0	90.00	359.81	8,409.7	3,178.1	-1,714.9	3,381.5	0.00	0.00	0.00	
12,400.0	90.00	359.81	8,409.7	3,278.1	-1,715.3	3,480.7	0.00	0.00	0.00	
12,500.0	90.00	359.81	8,409.7	3,378.1	-1,715.6	3,579.8	0.00	0.00	0.00	
12,600.0	90.00	359.81	8,409.7	3,478.1	-1,716.0	3,678.9	0.00	0.00	0.00	
12,700.0	90.00	359.81	8,409.7	3,578.1	-1,716.3	3,778.0	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Company:	DELAWARE BASIN WEST	TVD Reference:	GL @ 2923.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	GL @ 2923.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,800.0	90.00	359.81	8,409.7	3,678.1	-1,716.6	3,877.1	0.00	0.00	0.00
12,900.0	90.00	359.81	8,409.7	3,778.1	-1,717.0	3,976.3	0.00	0.00	0.00
13,000.0	90.00	359.81	8,409.7	3,878.1	-1,717.3	4,075.4	0.00	0.00	0.00
13,100.0	90.00	359.81	8,409.7	3,978.1	-1,717.7	4,174.5	0.00	0.00	0.00
13,200.0	90.00	359.81	8,409.7	4,078.1	-1,718.0	4,273.6	0.00	0.00	0.00
13,300.0	90.00	359.81	8,409.7	4,178.1	-1,718.3	4,372.7	0.00	0.00	0.00
13,400.0	90.00	359.81	8,409.7	4,278.1	-1,718.7	4,471.9	0.00	0.00	0.00
13,500.0	90.00	359.81	8,409.6	4,378.1	-1,719.0	4,571.0	0.00	0.00	0.00
13,600.0	90.00	359.81	8,409.6	4,478.1	-1,719.3	4,670.1	0.00	0.00	0.00
13,700.0	90.00	359.81	8,409.6	4,578.1	-1,719.7	4,769.2	0.00	0.00	0.00
13,800.0	90.00	359.81	8,409.6	4,678.1	-1,720.0	4,868.3	0.00	0.00	0.00
13,900.0	90.00	359.81	8,409.6	4,778.1	-1,720.4	4,967.4	0.00	0.00	0.00
14,000.0	90.00	359.81	8,409.6	4,878.1	-1,720.7	5,066.6	0.00	0.00	0.00
14,100.0	90.00	359.81	8,409.6	4,978.1	-1,721.0	5,165.7	0.00	0.00	0.00
14,171.0	90.00	359.81	8,409.6	5,049.1	-1,721.3	5,236.0	0.00	0.00	0.00
Start 5320.7 hold at 14171.0 MD									
14,200.0	90.00	359.81	8,409.6	5,078.1	-1,721.4	5,264.8	0.00	0.00	0.00
14,300.0	90.00	359.81	8,409.6	5,178.1	-1,721.7	5,363.9	0.00	0.00	0.00
14,400.0	90.00	359.81	8,409.6	5,278.1	-1,722.0	5,463.0	0.00	0.00	0.00
14,500.0	90.00	359.81	8,409.6	5,378.1	-1,722.4	5,562.2	0.00	0.00	0.00
14,600.0	90.00	359.81	8,409.6	5,478.1	-1,722.7	5,661.3	0.00	0.00	0.00
14,700.0	90.00	359.81	8,409.6	5,578.1	-1,723.1	5,760.4	0.00	0.00	0.00
14,800.0	90.00	359.81	8,409.6	5,678.1	-1,723.4	5,859.5	0.00	0.00	0.00
14,900.0	90.00	359.81	8,409.5	5,778.1	-1,723.7	5,958.6	0.00	0.00	0.00
15,000.0	90.00	359.81	8,409.5	5,878.1	-1,724.1	6,057.8	0.00	0.00	0.00
15,100.0	90.00	359.81	8,409.5	5,978.1	-1,724.4	6,156.9	0.00	0.00	0.00
15,200.0	90.00	359.81	8,409.5	6,078.1	-1,724.7	6,256.0	0.00	0.00	0.00
15,300.0	90.00	359.81	8,409.5	6,178.1	-1,725.1	6,355.1	0.00	0.00	0.00
15,400.0	90.00	359.81	8,409.5	6,278.1	-1,725.4	6,454.2	0.00	0.00	0.00
15,500.0	90.00	359.81	8,409.5	6,378.1	-1,725.8	6,553.4	0.00	0.00	0.00
15,600.0	90.00	359.81	8,409.5	6,478.1	-1,726.1	6,652.5	0.00	0.00	0.00
15,700.0	90.00	359.81	8,409.5	6,578.1	-1,726.4	6,751.6	0.00	0.00	0.00
15,800.0	90.00	359.81	8,409.5	6,678.1	-1,726.8	6,850.7	0.00	0.00	0.00
15,900.0	90.00	359.81	8,409.5	6,778.1	-1,727.1	6,949.8	0.00	0.00	0.00
16,000.0	90.00	359.81	8,409.5	6,878.1	-1,727.5	7,049.0	0.00	0.00	0.00
16,100.0	90.00	359.81	8,409.5	6,978.1	-1,727.8	7,148.1	0.00	0.00	0.00
16,200.0	90.00	359.81	8,409.5	7,078.1	-1,728.1	7,247.2	0.00	0.00	0.00
16,300.0	90.00	359.81	8,409.5	7,178.1	-1,728.5	7,346.3	0.00	0.00	0.00
16,400.0	90.00	359.81	8,409.4	7,278.1	-1,728.8	7,445.4	0.00	0.00	0.00
16,500.0	90.00	359.81	8,409.4	7,378.1	-1,729.1	7,544.6	0.00	0.00	0.00
16,600.0	90.00	359.81	8,409.4	7,478.1	-1,729.5	7,643.7	0.00	0.00	0.00
16,700.0	90.00	359.81	8,409.4	7,578.1	-1,729.8	7,742.8	0.00	0.00	0.00
16,800.0	90.00	359.81	8,409.4	7,678.1	-1,730.2	7,841.9	0.00	0.00	0.00
16,900.0	90.00	359.81	8,409.4	7,778.1	-1,730.5	7,941.0	0.00	0.00	0.00
17,000.0	90.00	359.81	8,409.4	7,878.1	-1,730.8	8,040.1	0.00	0.00	0.00
17,100.0	90.00	359.81	8,409.4	7,978.1	-1,731.2	8,139.3	0.00	0.00	0.00
17,200.0	90.00	359.81	8,409.4	8,078.1	-1,731.5	8,238.4	0.00	0.00	0.00
17,300.0	90.00	359.81	8,409.4	8,178.1	-1,731.8	8,337.5	0.00	0.00	0.00
17,400.0	90.00	359.81	8,409.4	8,278.1	-1,732.2	8,436.6	0.00	0.00	0.00
17,500.0	90.00	359.81	8,409.4	8,378.1	-1,732.5	8,535.7	0.00	0.00	0.00
17,600.0	90.00	359.81	8,409.4	8,478.1	-1,732.9	8,634.9	0.00	0.00	0.00
17,700.0	90.00	359.81	8,409.4	8,578.1	-1,733.2	8,734.0	0.00	0.00	0.00
17,800.0	90.00	359.81	8,409.3	8,678.1	-1,733.5	8,833.1	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Company:	DELAWARE BASIN WEST	TVD Reference:	GL @ 2923.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	GL @ 2923.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,900.0	90.00	359.81	8,409.3	8,778.1	-1,733.9	8,932.2	0.00	0.00	0.00	
18,000.0	90.00	359.81	8,409.3	8,878.1	-1,734.2	9,031.3	0.00	0.00	0.00	
18,100.0	90.00	359.81	8,409.3	8,978.1	-1,734.6	9,130.5	0.00	0.00	0.00	
18,200.0	90.00	359.81	8,409.3	9,078.1	-1,734.9	9,229.6	0.00	0.00	0.00	
18,300.0	90.00	359.81	8,409.3	9,178.1	-1,735.2	9,328.7	0.00	0.00	0.00	
18,400.0	90.00	359.81	8,409.3	9,278.1	-1,735.6	9,427.8	0.00	0.00	0.00	
18,500.0	90.00	359.81	8,409.3	9,378.1	-1,735.9	9,526.9	0.00	0.00	0.00	
18,600.0	90.00	359.81	8,409.3	9,478.1	-1,736.2	9,626.1	0.00	0.00	0.00	
18,700.0	90.00	359.81	8,409.3	9,578.1	-1,736.6	9,725.2	0.00	0.00	0.00	
18,800.0	90.00	359.81	8,409.3	9,678.1	-1,736.9	9,824.3	0.00	0.00	0.00	
18,900.0	90.00	359.81	8,409.3	9,778.1	-1,737.3	9,923.4	0.00	0.00	0.00	
19,000.0	90.00	359.81	8,409.3	9,878.1	-1,737.6	10,022.5	0.00	0.00	0.00	
19,100.0	90.00	359.81	8,409.3	9,978.1	-1,737.9	10,121.7	0.00	0.00	0.00	
19,200.0	90.00	359.81	8,409.2	10,078.1	-1,738.3	10,220.8	0.00	0.00	0.00	
19,300.0	90.00	359.81	8,409.2	10,178.1	-1,738.6	10,319.9	0.00	0.00	0.00	
19,400.0	90.00	359.81	8,409.2	10,278.1	-1,738.9	10,419.0	0.00	0.00	0.00	
19,491.6	90.00	359.81	8,409.2	10,369.7	-1,739.3	10,509.8	0.00	0.00	0.00	
Start DLS 2.00 TFO -89.90										
19,500.0	90.00	359.64	8,409.2	10,378.1	-1,739.3	10,518.1	2.00	0.00	-2.00	
19,522.8	90.01	359.18	8,409.2	10,400.8	-1,739.5	10,540.7	2.00	0.00	-2.00	
Start 2558.8 hold at 19522.8 MD										
19,600.0	90.01	359.18	8,409.2	10,478.1	-1,740.6	10,617.4	0.00	0.00	0.00	
19,700.0	90.01	359.18	8,409.2	10,578.1	-1,742.1	10,716.6	0.00	0.00	0.00	
19,800.0	90.01	359.18	8,409.2	10,678.1	-1,743.5	10,815.9	0.00	0.00	0.00	
19,900.0	90.01	359.18	8,409.2	10,778.0	-1,744.9	10,915.2	0.00	0.00	0.00	
20,000.0	90.01	359.18	8,409.2	10,878.0	-1,746.3	11,014.4	0.00	0.00	0.00	
20,100.0	90.01	359.18	8,409.2	10,978.0	-1,747.8	11,113.7	0.00	0.00	0.00	
20,200.0	90.01	359.18	8,409.2	11,078.0	-1,749.2	11,212.9	0.00	0.00	0.00	
20,300.0	90.01	359.18	8,409.2	11,178.0	-1,750.6	11,312.2	0.00	0.00	0.00	
20,400.0	90.01	359.18	8,409.1	11,278.0	-1,752.0	11,411.4	0.00	0.00	0.00	
20,500.0	90.01	359.18	8,409.1	11,378.0	-1,753.5	11,510.7	0.00	0.00	0.00	
20,600.0	90.01	359.18	8,409.1	11,478.0	-1,754.9	11,610.0	0.00	0.00	0.00	
20,700.0	90.01	359.18	8,409.1	11,578.0	-1,756.3	11,709.2	0.00	0.00	0.00	
20,800.0	90.01	359.18	8,409.1	11,678.0	-1,757.7	11,808.5	0.00	0.00	0.00	
20,900.0	90.01	359.18	8,409.1	11,777.9	-1,759.2	11,907.7	0.00	0.00	0.00	
21,000.0	90.01	359.18	8,409.1	11,877.9	-1,760.6	12,007.0	0.00	0.00	0.00	
21,100.0	90.01	359.18	8,409.1	11,977.9	-1,762.0	12,106.2	0.00	0.00	0.00	
21,200.0	90.01	359.18	8,409.1	12,077.9	-1,763.4	12,205.5	0.00	0.00	0.00	
21,300.0	90.01	359.18	8,409.1	12,177.9	-1,764.9	12,304.8	0.00	0.00	0.00	
21,400.0	90.01	359.18	8,409.1	12,277.9	-1,766.3	12,404.0	0.00	0.00	0.00	
21,500.0	90.01	359.18	8,409.1	12,377.9	-1,767.7	12,503.3	0.00	0.00	0.00	
21,600.0	90.01	359.18	8,409.0	12,477.9	-1,769.1	12,602.5	0.00	0.00	0.00	
21,700.0	90.01	359.18	8,409.0	12,577.9	-1,770.6	12,701.8	0.00	0.00	0.00	
21,800.0	90.01	359.18	8,409.0	12,677.9	-1,772.0	12,801.0	0.00	0.00	0.00	
21,900.0	90.01	359.18	8,409.0	12,777.8	-1,773.4	12,900.3	0.00	0.00	0.00	
22,000.0	90.01	359.18	8,409.0	12,877.8	-1,774.8	12,999.6	0.00	0.00	0.00	
22,081.6	90.01	359.18	8,409.0	12,959.4	-1,776.0	13,080.5	0.00	0.00	0.00	
TD at 22081.6										

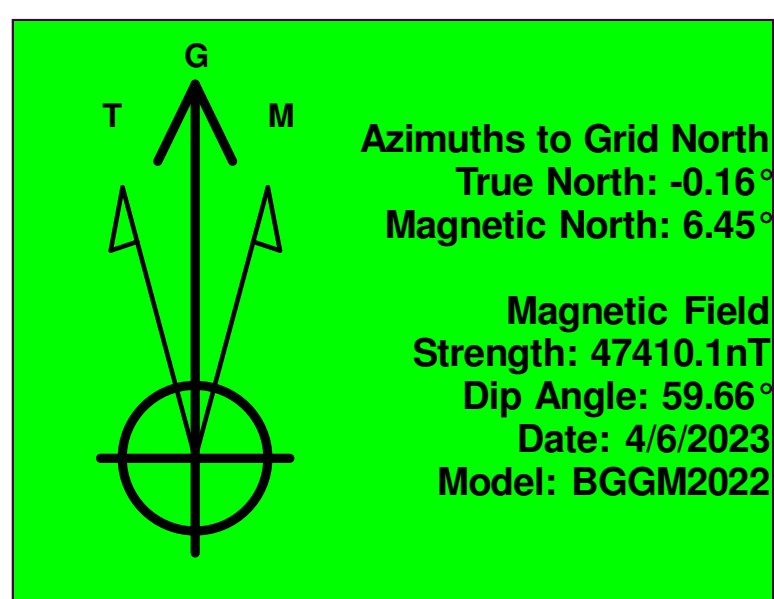
ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well _WILD THING FED COM 504H
Company:	DELAWARE BASIN WEST	TVD Reference:	GL @ 2923.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	GL @ 2923.0usft
Site:	WTF COM PROJECT	North Reference:	Grid
Well:	_WILD THING FED COM 504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
PBHL_WILD THING FEI	0.00	179.20	8,409.0	12,959.4	-1,776.0	405,764.86	593,701.97	32° 6' 54.728 N	104° 1' 50.467 W
- plan hits target center									
- Rectangle (sides W100.0 H2,600.0 D20.0)									
LTP_WILD THING FED	90.00	359.69	8,409.0	12,909.4	-1,775.3	405,714.86	593,702.69	32° 6' 54.233 N	104° 1' 50.460 W
- plan misses target center by 31.6usft at 22000.0usft MD (8409.0 TVD, 12877.8 N, -1774.8 E)									
- Circle (radius 50.0)									
PP3_WILD THING FED	0.00	179.80	8,409.2	10,369.7	-1,739.1	403,175.17	593,738.87	32° 6' 29.098 N	104° 1' 50.123 W
- plan misses target center by 0.2usft at 19491.6usft MD (8409.2 TVD, 10369.7 N, -1739.3 E)									
- Rectangle (sides W100.0 H5,330.0 D20.0)									
PP2_WILD THING FED	0.00	179.80	8,409.6	5,049.1	-1,721.3	397,854.52	593,756.69	32° 5' 36.442 N	104° 1' 50.089 W
- plan hits target center									
- Rectangle (sides W100.0 H5,233.0 D20.0)									
FTP_WILD THING FED	0.00	0.00	8,410.0	-174.9	-1,704.3	392,630.57	593,773.62	32° 4' 44.743 N	104° 1' 50.063 W
- plan misses target center by 0.7usft at 8947.0usft MD (8410.0 TVD, -174.9 N, -1703.6 E)									
- Circle (radius 50.0)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
22,081.6	8,409.0	5-1/2" Production Casing	5-1/2	6-3/4	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
800.0	800.0	0.0	0.0	Start Build 2.00
1,694.3	1,679.9	-49.5	-129.3	Start 4581.9 hold at 1694.3 MD
6,276.2	6,040.3	-552.9	-1,443.4	Start Drop -1.00
8,064.8	7,800.0	-652.0	-1,702.0	Start 132.5 hold at 8064.8 MD
8,197.3	7,932.5	-652.0	-1,702.0	Start DLS 12.00 TFO 359.81
8,947.3	8,410.0	-174.5	-1,703.6	Start 5223.6 hold at 8947.4 MD
14,171.0	8,409.6	5,049.1	-1,721.3	Start 5320.7 hold at 14171.0 MD
19,491.6	8,409.2	10,369.7	-1,739.3	Start DLS 2.00 TFO -89.90
19,522.8	8,409.2	10,400.8	-1,739.5	Start 2558.8 hold at 19522.8 MD
22,081.6	8,409.0	12,959.4	-1,776.0	TD at 22081.6



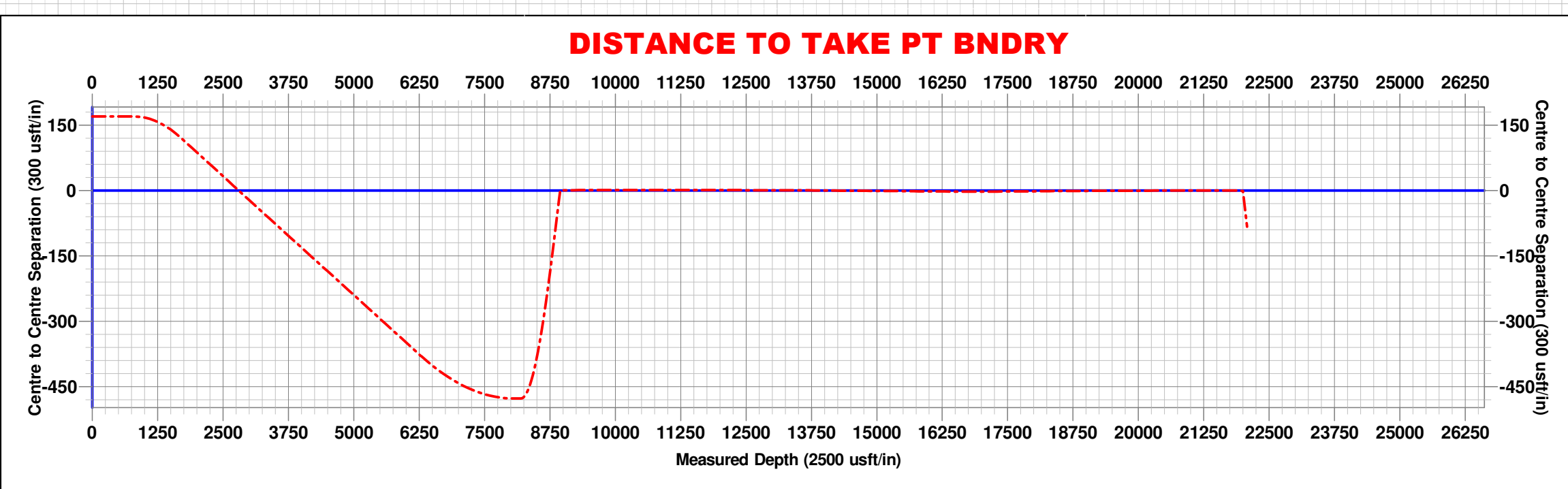
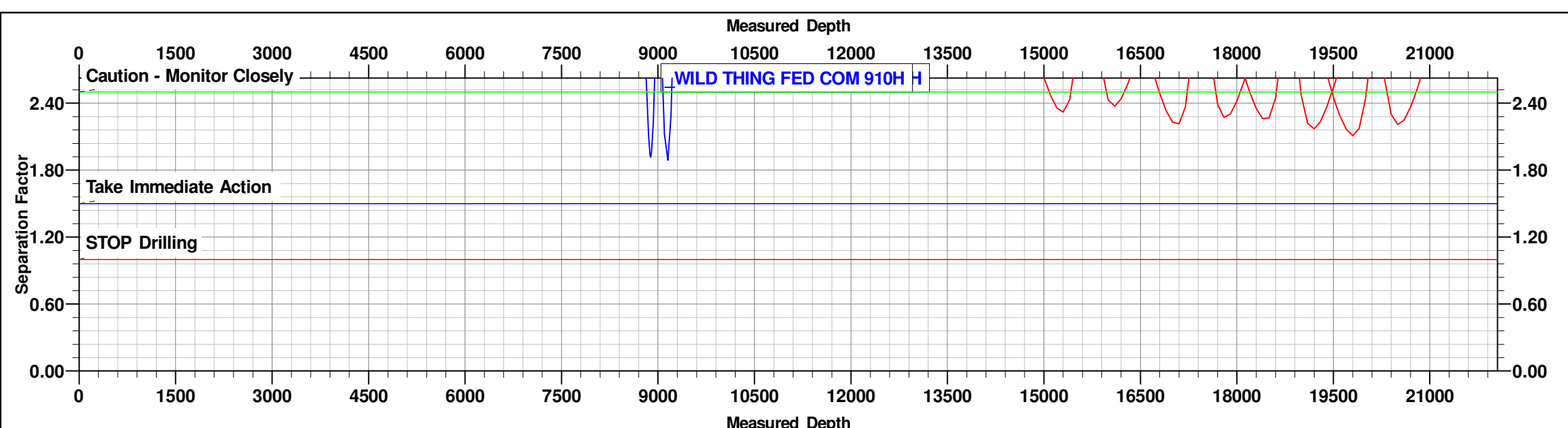
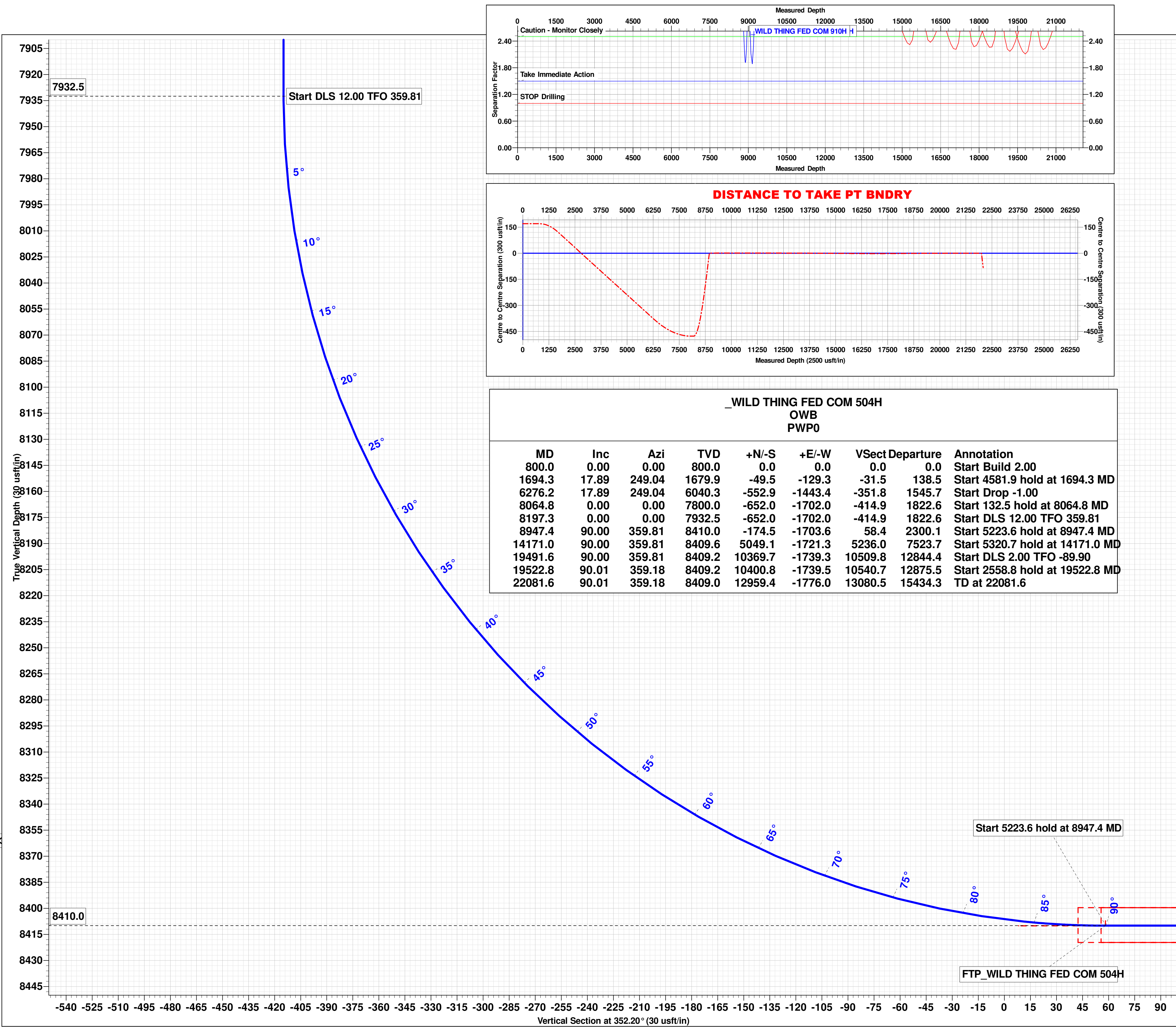
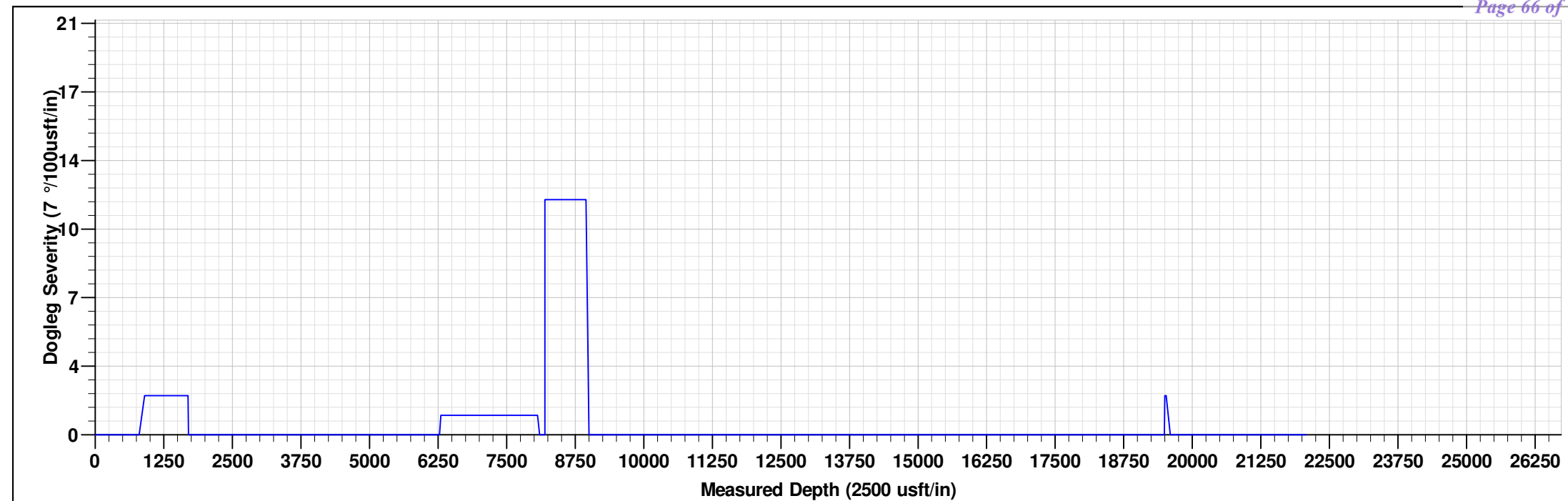
Project: ATLAS PROSPECT (DBW)
Site: WTF COM PROJECT
Well: _WILD THING FED COM 504H
Wellbore: OWB
Design: PWP0
GL: 2923.0
GL @ 2923.0ustf

_WILD THING FED COM 504H

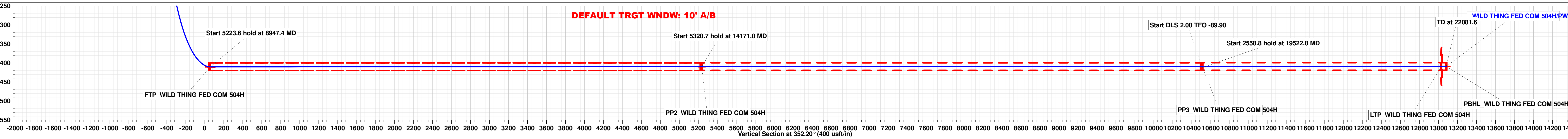
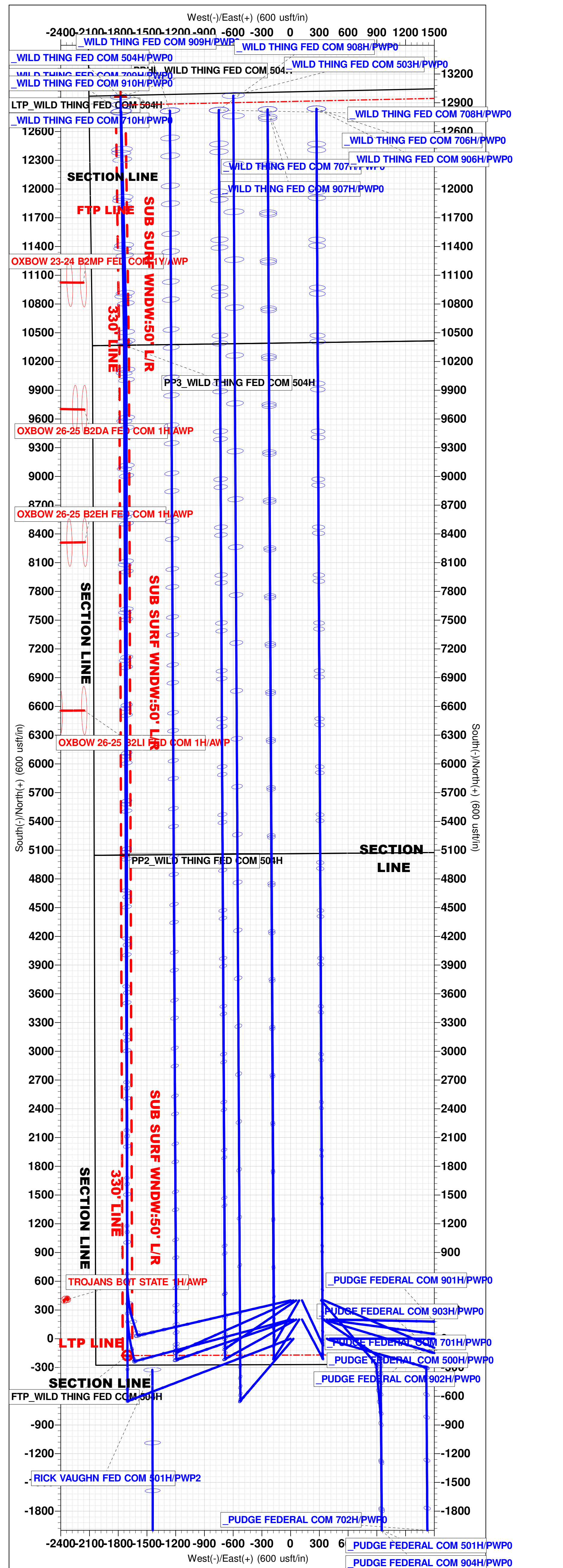
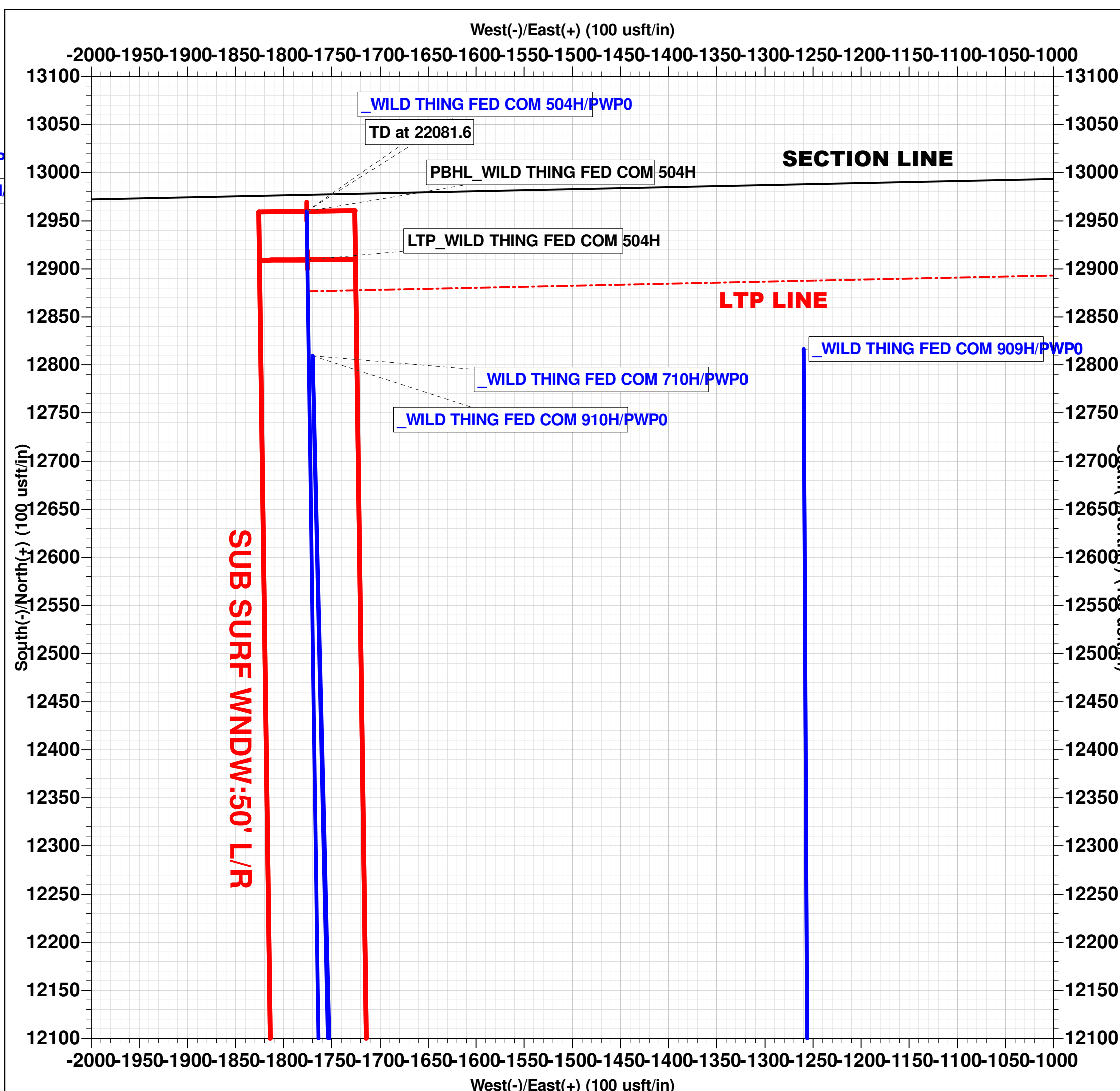
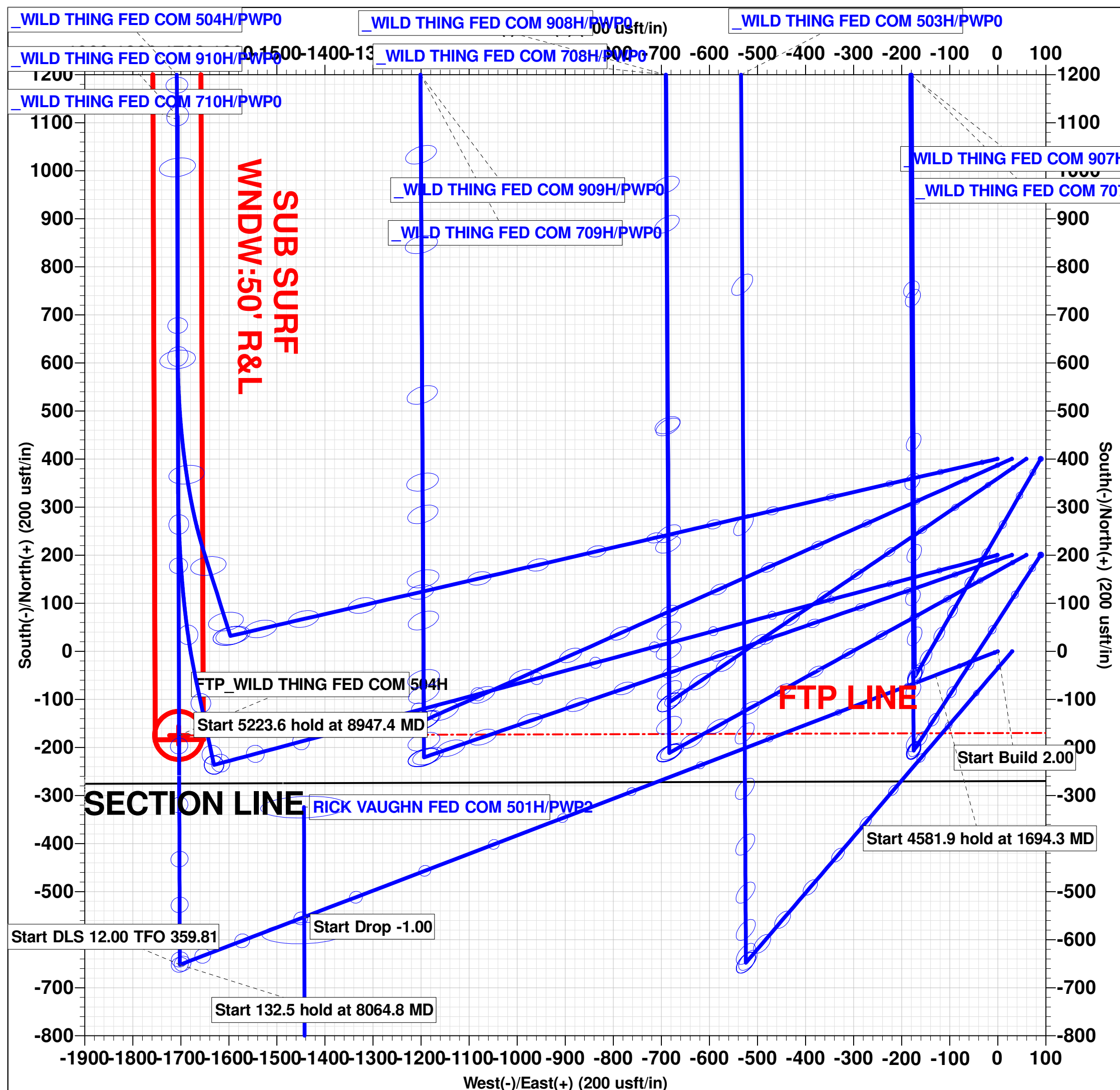
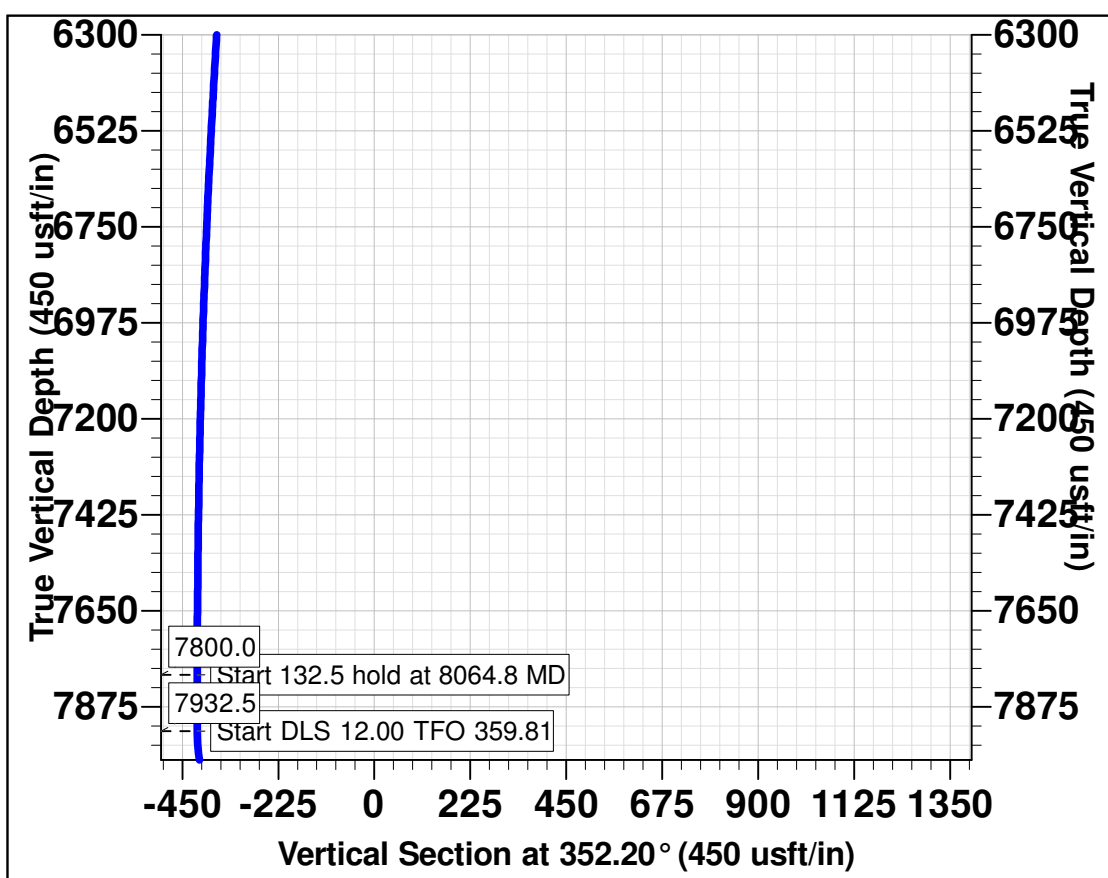
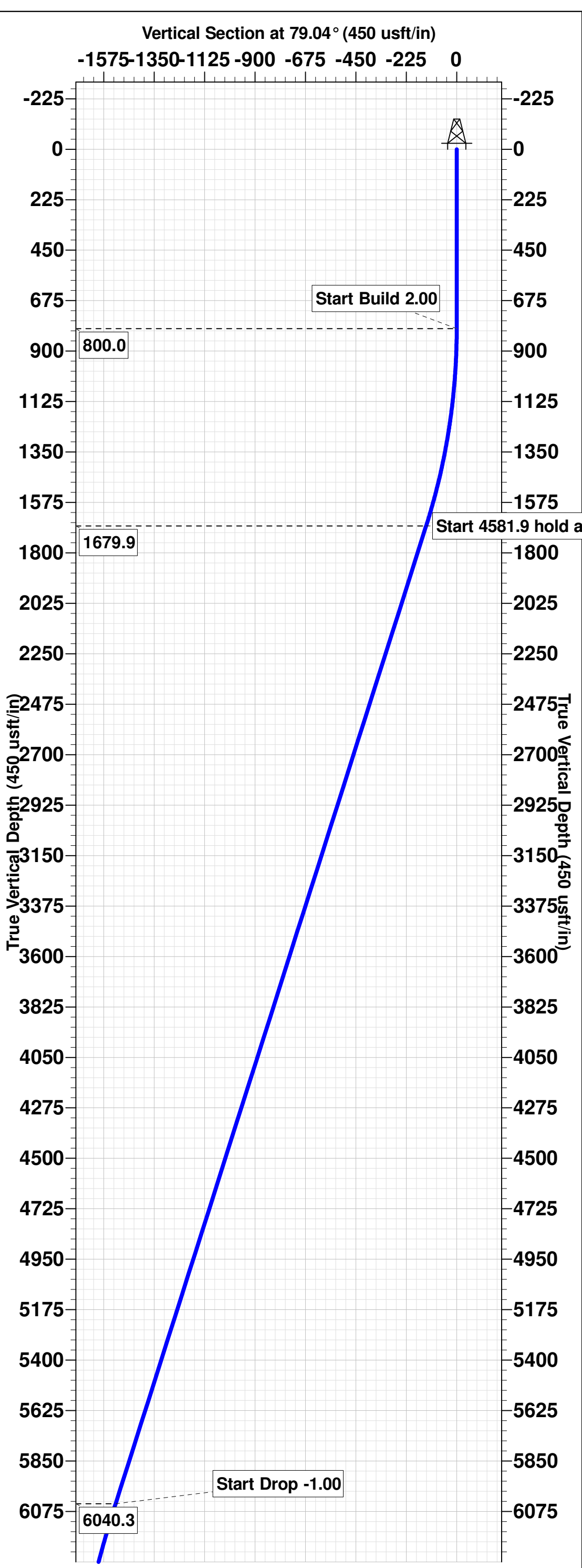
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	392805.45	595477.96	32° 4' 46.426 N	104° 1' 30.248 W

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
LTP_WILD THING FED COM 504H	8409.0	12909.4	-1775.3	405714.86	593702.69
PBHL_WILD THING FED COM 504H	8409.0	12959.4	-1776.0	405764.86	593701.97
PP3_WILD THING FED COM 504H	8409.2	10369.7	-1739.1	403175.17	593738.87
PP2_WILD THING FED COM 504H	8409.6	5049.1	-1721.3	397854.52	593756.69
FTP_WILD THING FED COM 504H	8410.0	-174.9	-1704.3	392630.57	593773.62



MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.0	Start Build 2.00
1694.3	17.89	249.04	1679.9	-49.5	-129.3	-31.5	138.5	Start 4581.9 hold at 1694.3 MD
6276.2	17.89	249.04	6040.3	-552.9	-1443.4	-351.8	1545.7	Start Drop -1.00
8064.8	0.00	0.00	7800.0	-652.0	-1702.0	-414.9	1822.6	Start 132.5 hold at 8064.8 MD
8197.3	0.00	0.00	7932.5	-652.0	-1702.0	-414.9	1822.6	Start DLS 12.00 TFO 359.81
8947.4	90.00	359.81	8410.0	-174.5	-1703.6	58.4	2300.1	Start 5223.6 hold at 8947.4 MD
14171.0	90.00	359.81	8409.6	5049.1	-1721.3	5236.0	7523.7	Start 5320.7 hold at 14171.0 MD
19491.6	90.00	359.81	8409.2	10369.7	-1739.3	10509.8	12844.4	Start DLS 2.00 TFO -89.90
19522.8	90.01	359.18	8409.2	10400.8	-1739.5	10540.7	12875.5	Start 2558.8 hold at 19522.8 MD
22081.6	90.01	359.18	8409.0	12959.4	-1776.0	13080.5	15434.3	TD at 22081.6



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: COG
WELL NAME & NO.: Wild Thing Fed Com 504H
LOCATION: 31-25S-29E-NMP
COUNTY: Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2876673** on 10/1/2025. Any previous COAs not addressed within the updated COAs still apply.*

Create COAs

H₂S Not Reported	Cave / Karst Medium	Waste Prevention Rule Waste Minimization Plan
Potash None	R-111-Q Design 	
Wellhead Multibowl ☒ Flex Hose ☒ Break Testing	Casing 3-String Well ☐ Liner ☐ Fluid Filled ☐ Casing Clearance Cementing ☐ DV Tool ☐ Bradenhead ☐ Echometer ☐ Offline Cement ☐ Open Annulus ☐ Pilot Hole	
Special Requirements		
☐ Capitan Reef	☐ Water Disposal	☒ COM ☐ Unit

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **550** feet (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface

- log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater (including lead cement.)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **9-5/8** inch Intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.
- **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst features.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is at least **200 feet** into previous casing string. Operator shall provide method of verification.
Excess calculates to -11%. Additional cement maybe required.

C. PRESSURE CONTROL

1. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.
2. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
3. Break testing has been approved for this well ONLY on those intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE**

working pressure and shall be higher than the MASP.) If in the event break testing is not utilized, then a full BOPE test would be conducted.

- a. Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation. **BOPE Break Testing is NOT permitted to drilling the production hole section.**
- b. While in transfer between wells, BOPE shall be secured by the hydraulic carrier or cradle.
- c. A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- d. As a minimum, a full BOPE test shall be performed at 21-day intervals.
- e. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**. Any well control event while drilling require notification to the BLM Petroleum Engineer (**575-706-2779**) prior to the commencement of any BOPE Break Testing operations.

D. SPECIAL REQUIREMENT(S)

Communitization Agreement:

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

Offline Cementing

Offline cementing has been approved for **all hole sections, excluding production**. Contact the BLM prior to the commencement of any offline cementing procedure.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Contact Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220;
[BLM NM CFO DrillingNotifications@BLM.GOV](mailto:BLM_NM_CFO_DrillingNotifications@BLM.GOV); (575) 361-2822

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or

- if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
 8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible

- hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve

open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

- iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Approved by Zota Stevens on 10/1/2025
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 515709

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 515709
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.	11/3/2025
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	11/3/2025